ASTER Bibliography

Updated April 16, 2016
Compiled by Minh Le, JPL Library Services

ASTER BIBLIOGRAPHY
Compiled by Minh N. Le
April 8, 2016

2016

Argyriou, A. V., R. M. Teeuw, D. Rust, and A. Sarris (2016), GIS multi-criteria decision analysis for assessment and mapping of neotectonic landscape deformation: A case study from Crete, *Geomorphology*, *253*, 262-274, doi: http://doi.org/10.1016/j.geomorph.2015.10.018.

Blomdin, R., et al. (2016), Glacial geomorphology of the Altai and Western Sayan Mountains, Central Asia, *Journal of Maps*, *12*(1), 123-136, doi: http://dx.doi.org/10.1080/17445647.2014.992177.

Guha, A., and K. Vinod Kumar (2016), New ASTER derived thermal indices to delineate mineralogy of different granitoids of an Archaean Craton and analysis of their potentials with reference to Ninomiya's indices for delineating quartz and mafic minerals of granitoids-An analysis in Dharwar Craton, India, *Ore Geology Reviews*, *74*, 76-87, doi: http://dx.doi.org/10.1016/j.oregeorev.2015.10.033.

Han, C., Y. Ma, X. Chen, and Z. Su (2016), Estimates of land surface heat fluxes of the Mt. Everest region over the Tibetan Plateau utilizing ASTER data, *Atmospheric Research*, *168*, 180-190, doi: http://dx.doi.org/10.1016/j.atmosres.2015.09.012.

Laukamp, C., W. Salama, and I. Gonzalez-alvarez (2016), Proximal and remote spectroscopic characterisation of regolith in the Albany-Fraser Orogen (Western Australia), *Ore Geology Reviews*, *73*, 540-554, doi: http://dx.doi.org/10.1016/j.oregeorev.2015.10.003.

Melkonian, A. K., M. J. Willis, M. E. Pritchard, and A. J. Stewart (2016), Recent changes in glacier velocities and thinning at Novaya Zemlya, *Remote Sensing of Environment*, *174*, 244-257, doi: http://dx.doi.org/10.1016/j.rse.2015.11.001.

Melkonian, A. K., M. J. Willis, M. E. Pritchard, and A. J. Stewart (2016), Recent changes in glacier velocities and thinning at Novaya Zemlya, *Remote Sensing of Environment*, *174*, 244-257, doi: http://doi.org/10.1016/j.rse.2015.11.001.

Okyay, U., and S. D. Khan (2016), Remote detection of fluid-related diagenetic mineralogical variations in the Wingate Sandstone at different spatial and spectral resolutions, *International Journal of Applied Earth Observation and Geoinformation*, *44*, 70-87, doi: http://dx.doi.org/10.1016/j.jag.2015.08.001.

Vijay, R., V. K. Kushwaha, A. S. Chaudhury, K. Naik, I. Gupta, R. Kumar, and S. R. Wate (2016), Assessment of tourism impact on land use/land cover and natural slope in Manali, India: a geospatial analysis, *Environmental Earth Sciences*, *75*(1), 1-9, doi: http://dx.doi.org/10.1007/s12665-015-4858-9.

Zhang, X., Q. Zeng, J. Jiao, and J. Zhang (2016), Fusion of space-borne multi-baseline and multi-frequency interferometric results based on extended Kalman filter to generate high quality DEMs, *ISPRS Journal of Photogrammetry and Remote Sensing*, *111*, 32-44, doi: http://dx.doi.org/10.1016/j.isprsjprs.2015.11.005.

2015

Abedi, M., G.-H. Norouzi, and N. Fathianpour (2015), Mineral potential mapping in central iran using fuzzy ordered weighted averaging method, *Geophysical Prospecting*, *63*(2), 461-477, doi: http://dx.doi.org/10.1111/1365-2478.12186.

Abou El-Magd, I., H. Mohy, and F. Basta (2015), Application of remote sensing for gold exploration in the Fawakhir area, Central Eastern Desert of Egypt, *Arabian Journal of Geosciences*, *8*(6), 3523-3536, doi: http://dx.doi.org/10.1007/s12517-014-1429-4.

Abrams, M., H. Tsu, G. Hulley, K. Iwao, D. Pieri, T. Cudahy, and J. Kargel (2015), The Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) after fifteen years: Review of global products, *International Journal of Applied Earth Observation and Geoinformation*, *38*, 292-301, doi: http://dx.doi.org/10.1016/j.jag.2015.01.013.

Abuzar, M., A. McAllister, and D. Whitfield (2015), Mapping irrigated farmlands using vegetation and thermal thresholds derived from landsat and ASTER data in an irrigation district of Australia, *Photogrammetric Engineering and Remote Sensing*, *81*(3), 229-238, doi: http://dx.doi.org/10.14358/PERS.81.3.229.

Adhikari, H., J. Heiskanen, E. E. Maeda, and P. K. E. Pellikka Does topographic normalization of landsat images improve fractional tree cover mapping in tropical mountains?, paper presented at 2015 36th International Symposium on Remote Sensing of Environment, May 11, 2015 - May 15, 2015, Berlin, Germany, International Society for Photogrammetry and Remote Sensing, doi: http://dx.doi.org/10.5194/isprsarchives-XL-7-W3-261-2015.

Afzal, P., R. A. Asl, A. Adib, and A. B. Yasrebi (2015), Application of Fractal Modelling for Cu Mineralisation Reconnaissance by ASTER Multispectral and Stream Sediment Data in Khoshname Area, NW Iran, *Journal of the Indian Society of Remote Sensing*, *43*(1), 121-132, doi: http://dx.doi.org/10.1007/s12524-014-0384-6.

Akbari, A., L. Sedaei, M. Naderi, A. A. Samah, and N. Sedaei (2015), The application of the Water Erosion Prediction Project (WEPP) model for the estimation of runoff and sediment on a monthly time resolution, *Environmental Earth Sciences*, *74*(7), 5827-5837, doi: http://dx.doi.org/10.1007/s12665-015-4600-7.

Akif Sarikaya, M., C. Yildirim, and A. Ciner (2015), Late Quaternary alluvial fans of Emli Valley in the Ecemis fault zone, south-central Turkey; insights from cosmogenic nuclides, *Geomorphology*, *228*, 512-525, doi: http://dx.doi.org/10.1016/j.geomorph.2014.10.008.

Al-Obeidat, F., A. T. Al-Taani, N. Belacel, L. Feltrin, and N. Banerjee (2015), A fuzzy decision tree for processing Satellite images and Landsat data, *Procedia Computer Science*, *52*, 1192-1197, doi: http://dx.doi.org/10.1016/j.procs.2015.05.157.

Ali, I., and A. Shukla (2015), A knowledge based approach for assessing debris cover dynamics and its linkages to glacier recession, paper presented at 2015 IEEE International Geoscience and Remote Sensing Symposium (IGARSS), 26-31 July 2015, Milan, Italy, 26-31 July 2015, doi: http://dx.doi.org/10.1109/IGARSS.2015.7326209.

Kang, J., R. Jin, and X. Li (2015), Regression Kriging-Based Upscaling of Soil Moisture Measurements From a Wireless Sensor Network and Multiresource Remote Sensing Information Over Heterogeneous Cropland, IEEE Geoscience and Remote Sensing Letters, 12(1), 92-96 doi: http://dx.doi.org/10.1109/LGRS.2014.2326775.

Ma, Y. F., S. M. Liu, F. Zhang, J. Zhou, Z. Z. Jia, and L. S. Song (2015), Estimations of Regional Surface Energy Fluxes Over Heterogeneous Oasis-Desert Surfaces in the Middle Reaches of the Heihe River During HiWATER-MUSOEXE, IEEE Geoscience and Remote Sensing Letters, 12(3), 671-675, doi: http://dx.doi.org/10.1109/lgrs.2014.2356652.

Mousivand, A., M. Menenti, B. Gorte, and W. Verhoef (2015), Multi-temporal, multi-sensor retrieval of terrestrial vegetation properties from spectral-directional radiometric data, Remote Sensing of Environment, 158, 311-330, doi: http://dx.doi.org/10.1016/j.rse.2014.10.030.

Yamamoto, S., T. Matsunaga, R. Nakamura, Y. Sekine, N. Hirata, and Y. Yamaguchi (2015), Rotational Pixel Swapping Method for Detection of Circular Features in Binary Images, Ieee Transactions on Geoscience and Remote Sensing, 53(2), 710-723, doi: http://dx.doi.org/10.1109/tgrs.2014.2327121.

Yu, W., and M. Ma (2015), Scale Mismatch Between In Situ and Remote Sensing Observations of Land Surface Temperature: Implications for the Validation of Remote Sensing LST Products, IEEE Geoscience and Remote Sensing Letters, 12(3), 497-501, doi: http://dx.doi.org/10.1109/LGRS.2014.2347953.

Zha, F., M. Ma, S. Chen, Y. Liu, Y. Li, and S. Huang (2015), Remote sensing lithologic classification of multispectral data based on the vegetation inhibition method in the vegetation coverage area, *Diqiu Kexue - Zhongguo Dizhi Daxue Xuebao/Earth Science - Journal of China University of Geosciences*, *40*(8), 1403-1408, doi: http://dx.doi.org/10.3799/dqkx.2015.125.

Zhang, H.-G., K. Yang, X.-L. Lou, D.-L. Li, A.-Q. Shi, and B. Fu (2015), Bathymetric mapping of submarine sand waves using multiangle sun glitter imagery: A case of the Taiwan Banks with ASTER stereo imagery, *Journal of Applied Remote Sensing*, *9*(1), 095988 doi: http://dx.doi.org/10.1117/1.JRS.9.095988.

Zhao, Q., S. W. Myint, E. A. Wentz, and C. Fan (2015), Rooftop surface temperature analysis in an Urban residential environment, *Remote Sensing*, *7*(9), 12135-12159, doi: http://dx.doi.org/10.3390/rs70912135.

Zhao, S., L. Wang, W. Cheng, H. Liu, and W. He (2015), Rectification methods comparison for the ASTER GDEM V2 data using the ICESat/GLA14 data in the Lvliang mountains, China, *Environmental Earth Sciences*, *74*(8), 6571-6590, doi: http://dx.doi.org/10.1007/s12665-015-4614-1.

Zhou, J., M. Li, S. Liu, Z. Jia, and Y. Ma (2015), Validation and performance evaluations of methods for estimating land surface temperatures from ASTER data in the middle reach of the Heihe River Basin, Northwest China, *Remote Sensing*, *7*(6), 7126-7156, doi: http://dx.doi.org/10.3390/rs70607126.

Zhu, H. R., L. Liu, X. N. Zhou, and G. J. Yang (2015), Ecological Model to Predict Potential Habitats of Oncomelania hupensis, the Intermediate Host of Schistosoma japonicum in the Mountainous Regions, China, *Plos Neglected Tropical Diseases*, *9*(8), doi: http://dx.doi.org/10.1371/journal.pntd.0004028.

Zou, Z.-c., and Y.-c. Deng (2015), Study on Numerical Simulation of Wind Field Using Three Kinds of Terrain Data, *Water Resources and Power*, *33*(1), 204-206.

2014

Adriano, B., H. Gokon, E. Mas, S. Koshimura, L. Wen, and M. Matsuoka (2014), Extraction of damaged areas due to the 2013 Haiyan Typhoon using ASTER data, paper presented at 2014 IEEE International Geoscience and Remote Sensing Symposium (IGARSS), 13-18 July 2014, Quebec City, QC 13-18 July 2014, doi: http://dx.doi.org/10.1109/IGARSS.2014.6946893.

Agapiou, A., D. D. Alexakis, and D. G. Hadjimitsis (2014), Spectral sensitivity of ALOS, ASTER, IKONOS, LANDSAT and SPOT satellite imagery intended for the detection of archaeological crop marks, International Journal of Digital Earth, 7(5), 351-372, doi: http://dx.doi.org/10.1080/17538947.2012.674159.

Agapiou, A., D. D. Alexakis, A. Sarris, and D. G. Hadjimitsis (2014), Evaluating the potentials of sentinel-2 for archaeological perspective, Remote Sensing, 6(3), 2176-2194, doi: http://dx.doi.org/10.3390/rs6032176.

Ahmadi, H., A. Das, M. Pourtaheri, C. B. Komaki, and H. Khairy (2014), Redefining the watershed line and stream networks via digital resources and topographic map using GIS and remote sensing (case study: the Neka River's watershed), Natural Hazards, 72(2), 711-722, doi: http://dx.doi.org/10.1007/s11069-014-1031-9.

Ahmed, M. F., and J. D. Rogers (2014), First-Approximation Landslide Inventory Maps for Northern Pakistan, Using ASTER DEM Data and Geomorphic Indicators, Environmental & Engineering Geoscience, 20(1), 67-83, doi: http://dx.doi.org/10.2113/gseegeosci.20.1.67.

Alexakis, D. D., et al. (2014), GIS and remote sensing techniques for the assessment

of land use change impact on flood hydrology: the case study of Yialias basin in Cyprus, Natural Hazards and Earth System Sciences, 14(2), 413-426, doi: http://dx.doi.org/10.5194/nhess-14-413-2014.

Altaf, S., G. Meraj, and S. A. Romshoo (2014), Morphometry and land cover based multi-criteria analysis for assessing the soil erosion susceptibility of the western Himalayan watershed, Environmental Monitoring and Assessment, 186(12), 8391-8412, doi: http://dx.doi.org/10.1007/s10661-014-4012-2.

Arai, K. (2014), Vicarious calibration of Terra/ASTER/VNIR with desert scenes together with cross calibration, paper presented at Earth Observing Systems XIX, August 17, 2014, San Diego, CA, doi: http://dx.doi.org/10.1117/12.2060226.

Athmania, D., and H. Achour (2014), External Validation of the ASTER GDEM2, GMTED2010 and CGIAR-CSI-SRTM v4.1 Free Access Digital Elevation Models (DEMs) in Tunisia and Algeria, Remote Sensing, 6(5), 4600-4620, doi: http://dx.doi.org/10.3390/rs6054600.

Bajabaa, S., M. Masoud, and N. Al-Amri (2014), Flash flood hazard mapping based on quantitative hydrology, geomorphology and GIS techniques (case study of Wadi Al Lith, Saudi Arabia), Arabian Journal of Geosciences, 7(6), 2469-2481, doi: http://dx.doi.org/10.1007/s12517-013-0941-2.

Becek, K. (2014), Assessing Global Digital Elevation Models Using the Runway Method: The Advanced Spaceborne Thermal Emission and Reflection Radiometer Versus the Shuttle Radar Topography Mission Case, IEEE Transactions on Geoscience and Remote Sensing, 52(8), 4823-4831, doi: http://dx.doi.org/10.1109/TGRS.2013.2285187.

Behling, R., S. Roessner, K. Segl, B. Kleinschmit, and H. Kaufmann (2014), Robust automated image co-registration of optical multi-sensor time series data: Database generation for multi-temporal landslide detection, Remote Sensing, 6(3), 2572-2600, doi: http://dx.doi.org/10.3390/rs6032572.

Bera, A. K., V. Singh, N. Bankar, S. S. Salunkhe, and J. R. Sharma (2014), Watershed Delineation in Flat Terrain of Thar Desert Region in North West India - A Semi Automated Approach Using DEM, Journal of the Indian Society of Remote Sensing, 42(1), 187-199, doi: http://dx.doi.org/10.1007/s12524-013-0308-x.

Bhardwaj, A., P. K. Joshi, Snehmani, M. K. Singh, L. Sam, and R. D. Gupta (2014), Mapping debris-covered glaciers and identifying factors affecting the accuracy, Cold Regions Science and Technology, 106, 161-174, doi: http://dx.doi.org/10.1016/j.coldregions.2014.07.006.

Bishop, M. A. (2014), Planetary dune analogues: a special issue on integrating models, remote sensing and field data, Earth Surface Processes and Landforms, 39(4), 564-568, doi: http://dx.doi.org/10.1002/esp.3519.

Biswas, T., R. D. Ramsey, J. A. Bissonette, and J. Symanzik (2014), Integration of two spectral indices to monitor loss of moist grasslands within the Jaldapara Wildlife Sanctuary, India, International Journal of Remote Sensing, 35(3), 1038-1063, doi: http://dx.doi.org/10.1080/01431161.2013.875631.

Blackett, M. (2014), Early Analysis of Landsat-8 Thermal Infrared Sensor Imagery of Volcanic Activity, Remote Sensing, 6(3), 2282-2295, doi: http://dx.doi.org/10.3390/rs6032282.

Bohon, W. (2014), Late Cenozoic-recent tectonics of the southwestern margin of the Tibetan Plateau, Ladakh, northwest India, Ph.D. thesis, 205 pp, Arizona State University, Tempe, AZ, doi: http://adsabs.harvard.edu/abs/2014PhDT.....48B.

Boyce, J. A., R. R. Keays, I. A. Nicholls, and P. Hayman (2014), Eruption centres of the

Hamilton area of the Newer Volcanics Province, Victoria, Australia: pinpointing volcanoes from a multifaceted approach to landform mapping, Australian Journal of Earth Sciences, 61(5), 735-754, doi: http://dx.doi.org/10.1080/08120099.2014.923508.

Bravard, J.-P., M. Goichot, and H. Tronchere (2014), An assessment of sediment transport processes in the lower Mekong River based on deposit grain sizes, the CM technique and flow-energy data, Geomorphology, 207, 174-189, doi: http://dx.doi.org/10.1016/j.geomorph.2013.11.004.

Campion, R. (2014), New lava lake at Nyamuragira volcano revealed by combined ASTER and OMI SO2 measurements, Geophysical Research Letters, 41(21), 7485-7492, doi: http://dx.doi.org/10.1002/2014GL061808.

Cannon, J. M., and M. A. Murphy (2014), Active lower crustal deformation and Himalayan seismic hazard revealed by stream channels and regional geology, Tectonophysics, 633, 34-42, doi: http://dx.doi.org/10.1016/j.tecto.2014.06.031.

Cao, L., T. Liu, and L. Wei (2014), A comparison of multi-resource remote sensing data for vegetation indices, IOP Conference Series: Earth and Environmental Science, 17(1), 012067, doi: http://dx.doi.org/10.1088/1755-1315/17/1/012067.

Caselles, E., C. Pitarch, and V. Caselles (2014), Estimation of the water table depth of the Calarasi district Island (Romania) at the Danube River using ASTER/DEM data, European Journal of Remote Sensing, 47(1), 169-180, doi: http://dx.doi.org/10.5721/EuJRS20144711.

Chatterjee, S., A. P. Krishna, and A. P. Sharma (2014), Geospatial assessment of soil erosion vulnerability at watershed level in some sections of the Upper Subarnarekha river basin, Jharkhand, India, Environmental Earth Sciences, 71(1), 357-374, doi: http://dx.doi.org/10.1007/s12665-013-2439-3.

Cheng, J., and S. Liang (2014), Estimating the broadband longwave emissivity of global bare soil from the MODIS shortwave albedo product, Journal of Geophysical Research-Atmospheres, 119(2), 614-634, doi: http://dx.doi.org/10.1002/2013JD020689.

Cheng, J., S. Liang, Y. C. Tzeng, and L. Dong (2014), Obtaining global land-surface broadband emissivity from MODIS collection 5 spectral albedos using a dynamic learning neural network, International Journal of Remote Sensing, 35(4), 1395-1416, doi: http://dx.doi.org/10.1080/01431161.2013.876517.

Cheng, J., S. Liang, L. Dong, B. Ren, and L. Shi (2014), Validation of the moderate-resolution imaging spectroradiometer land surface emissivity products over the Taklimakan Desert, Journal of Applied Remote Sensing, 8, 083675, doi: http://dx.doi.org/10.1117/1.JRS.8.083675.

Chevallier, P., B. Pouyaud, M. Mojaisky, M. Bolgov, O. Olsson, M. Bauer, and J. Froebrich (2014), River flow regime and snow cover of the Pamir Alay (Central Asia) in a changing climate, Hydrological Sciences Journal-Journal Des Sciences Hydrologiques, 59(8), 1491-1506, doi: http://dx.doi.org/10.1080/02626667.2013.838004.

Chirouze, J., et al. (2014), Intercomparison of four remote-sensing-based energy balance methods to retrieve surface evapotranspiration and water stress of irrigated fields in semi-arid climate, Hydrology and Earth System Sciences, 18(3), 1165-1188, doi: http://dx.doi.org/10.5194/hess-18-1165-2014.

Choe, B. H., L. L. Tornabene, and G. R. Osinski (2014), Mineral and lithologic spectral mapping of the Tunnunik impact structure in the Canadian Arctic using Landsat ETM 7+ and ASTER data, in 45th lunar and planetary science conference, edited, p. Abstract 2354, Lunar and Planetary Science, Houston, TX, doi: http://www.hou.usra.edu/meetings/lpsc2014/pdf/2354.pdf.

Cook, M. J., and J. R. Schott (2014), A novel confidence metric approach for a landsat land surface temperature product, paper presented at American Society for Photogrammetry and Remote Sensing

Annual Conference: Geospatial Power in Our Pockets, ASPRS 2014, Co-Located with Joint Agency Commercial Imagery Evaluation Workshop, JACIE 2014, March 23, 2014 - March 28, 2014, Louisville, KY, American Society for Photogrammetry and Remote Sensing.

Cook, M., J. R. Schott, J. Mandel, and N. Raqueno (2014), Development of an Operational Calibration Methodology for the Landsat Thermal Data Archive and Initial Testing of the Atmospheric Compensation Component of a Land Surface Temperature (LST) Product from the Archive, Remote Sensing, 6(11), 11244-11266, doi: http://dx.doi.org/10.3390/rs61111244.

Cox, H., K. Kelly, and L. Yetter (2014), Using Remote Sensing and Geospatial Technology for Climate Change Education, Journal of Geoscience Education, 62(4), 609-620, doi: http://dx.doi.org/10.5408/13-040.1.

Cramer, T. F. (2014), Using Landsat ETM+ and ASTER Sensors to Aid the Mineral Assessment of the Desert National Wildlife Refuge, Clark and Lincoln Counties, Nevada, M.S.

Csiszar, I., W. Schroeder, L. Giglio, E. Ellicott, K. P. Vadrevu, C. O. Justice, and B. Wind (2014), Active fires from the Suomi NPP Visible Infrared Imaging Radiometer Suite: Product status and first evaluation results, Journal of Geophysical Research-Atmospheres, 119(2), 803-816, doi: http://dx.doi.org/10.1002/2013JD020453.

Cuartero, A., M. E. Polo, P. G. Rodriguez, A. M. Felicisimo, and J. Ruiz-Cuetos (2014), The Use of Spherical Statistics to Analyze Digital Elevation Models: An Example From LIDAR and ASTER GDEM, IEEE Geoscience and Remote Sensing Letters, 11(7), 1200-1204, doi: http://dx.doi.org/10.1109/LGRS.2013.2288924.

Czapla-Myers, J., K. Thome, N. Anderson, and S. Biggar (2014), The absolute radiometric calibration of Terra imaging sensors: MODIS, MISR, and ASTER, paper presented at Earth Observing Systems XIX, August 17, 2014, San Diego, CA, doi: http://dx.doi.org/10.1117/12.2062529.

Dahanayaka, D. D. G. L., H. Tonooka, M. J. S. Wijeyaratne, A. Minato, and S. Ozawa (2014), Assessing the potential of satellite and ground spectral data for Chlorophyll-a monitoring in Lake Kasumigaura, Japan, paper presented at 2014 IEEE International Geoscience and Remote Sensing Symposium (IGARSS), 13-18 July 2014, Quebec City, QC 13-18 July 2014, doi: http://dx.doi.org/10.1109/IGARSS.2014.6947198.

Darvill, C. M., C. R. Stokes, M. J. Bentley, and H. Lovell (2014), A glacial geomorphological map of the southernmost ice lobes of Patagonia: the Bahia Inutil - San Sebastian, Magellan, Otway, Skyring and Rio Gallegos lobes, Journal of Maps, 10(3), 500-520, doi: http://dx.doi.org/10.1080/17445647.2014.890134.

Das, I., R. Hock, E. Berthier, and C. S. Lingle (2014), 21st-century increase in glacier mass loss in the Wrangell Mountains, Alaska, USA, from airborne laser altimetry and satellite stereo imagery, Journal of Glaciology, 60(220), 283-293, doi: http://dx.doi.org/10.3189/2014JoG13J119.

Delgado, F., M. Pritchard, R. Lohman, and J. A. Naranjo (2014), The 2011 Hudson volcano eruption (Southern Andes, Chile): Pre-eruptive inflation and hotspots observed with InSAR and thermal imagery, Bulletin of Volcanology, 76(5), 815 (811-819), doi: http://dx.doi.org/10.1007/s00445-014-0815-9.

Ding, C., X. Liu, W. Liu, M. Liu, and Y. Li (2014), Mafic-ultramafic and quartz-rich rock indices deduced from ASTER thermal infrared data using a linear approximation to the Planck function, Ore Geology Reviews, 60, 161-173, doi: http://dx.doi.org/10.1016/j.oregeorev.2014.01.005.

Du, X., D. Cao, G. Yang, S. Bernardes, Z. Li, and F. Li (2014), Estimating typical four-season thermal distribution and self-adaptive gradient based thresholding parameters over coal fire areas in china using aster and LDCM TIRs - A case study in the wuda coal field, China, paper presented at American Society for Photogrammetry and Remote Sensing Annual Conference: Geospatial Power in Our Pockets, ASPRS 2014, Co-Located with Joint Agency Commercial Imagery Evaluation Workshop, JACIE

2014, March 23, 2014 - March 28, 2014, Louisville, KY, American Society for Photogrammetry and Remote Sensing.

Ducati, J. R., R. E. Sarate, and J. M. G. Fachel (2014), Application Of Remote Sensing Techniques To Discriminate Between Conventional And Organic Vineyards In The Loire Valley, France, Journal International des Sciences de la Vigne et du Vin, 48(3), 135-144.

El Janati, M., A. Soulaimani, H. Admou, N. Youbi, A. Hafid, and K. P. Hefferan (2014), Application of ASTER remote sensing data to geological mapping of basement domains in arid regions: a case study from the Central Anti-Atlas, Iguerda inlier, Morocco, Arabian Journal of Geosciences, 7(6), 2407-2422, doi: http://dx.doi.org/10.1007/s12517-013-0945-y.

Elmahdy, S. I., and M. M. Mohamed (2014), Groundwater potential modelling using remote sensing and GIS: a case study of the Al Dhaid area, United Arab Emirates, Geocarto International, 29(4), 433-450, doi: http://dx.doi.org/10.1080/10106049.2013.784366.

Elsaid, M., H. Aboelkhair, A. Dardier, and E. Hermas (2014), Investigation of a relation between radiogenic heat production and kinetic surface temperature from multispectral ASTER-TIR data: a case study on Elmissikat-Eleridiya granites, Central Eastern Desert, Egypt, Arabian Journal of Geosciences, 7(11), 4615-4628, doi: http://dx.doi.org/10.1007/s12517-013-1118-8.

Farajzadeh, M., and N. Karimi (2014), Evidence for accelerating glacier ice loss in the Takht'e Solaiman Mountains of Iran from 1955 to 2010, Journal of Mountain Science, 11(1), 215-235, doi: http://dx.doi.org/10.1007/s11629-013-2714-5.

Fernandez-Manso, O., A. Fernandez-Manso, and C. Quintano (2014), Estimation of aboveground biomass in Mediterranean forests by statistical modelling of ASTER fraction images, International Journal of Applied Earth Observation and Geoinformation, 31, 45-56, doi: http://dx.doi.org/10.1016/j.jag.2014.03.005.

Flament, T., E. Berthier, and F. Remy (2014), Cascading water underneath Wilkes Land, East Antarctic ice sheet, observed using altimetry and digital elevation models, Cryosphere, 8(2), 673-687, doi: http://dx.doi.org/10.5194/tc-8-673-2014.

Fu, S., Z. Li, B. Tian, L. Zhao, and Z. Tang (2014), Fast glacier volume change detection based on least squares 3D surface matching of DEM, IOP Conference Series. Earth and Environmental Science, 17(1), 0-Paper no. 012134, doi: http://dx.doi.org/10.1088/1755-1315/17/1/012134.

Fuchs, M., J. Torizin, and F. Kuhn (2014), The effect of DEM resolution on the computation of the factor of safety using an infinite slope model, Geomorphology, 224, 16-26, doi: http://dx.doi.org/10.1016/j.geomorph.2014.07.015.

Fujita, K., and A. Sakai (2014), Modelling runoff from a Himalayan debris-covered glacier, Hydrology and Earth System Sciences, 18(7), 2679-2694, doi: http://dx.doi.org/10.5194/hess-18-2679-2014.

Fujita, W., Y. Shiokawa, and S. Tachikawa (2014), Introduction to Geo-Resource Information Archive System, GRIAS, Journal of MMIJ : Journal of the Mining and Materials Processing Institute of Japan, 130(6), 79-84, doi: http://ci.nii.ac.jp/naid/40020102553/en/.

Furusawa, T., Y. Fuchigami, S. Kobayashi, and M. Yokota (2014), Evaluation of Mangrove Biomass Changes due to Different Human Activities in Batam Island, Indonesia, Determined Using MODIS EVI and ASTER Data, People and culture in Oceania, 29, 35-50, doi: http://ci.nii.ac.jp/naid/110009797487.

Galletti, C. S., and S. W. Myint (2014), Land-use mapping in a mixed urban-agricultural arid landscape using object-based image analysis: A case study from Maricopa, Arizona, Remote Sensing, 6(7), 6089-6110, doi: http://dx.doi.org/10.3390/rs6076089.

Gan, W., H. Shen, L. Zhang, and G. Wei (2014), Normalization of NDVI from Different Sensor System using MODIS Products as Reference, IOP Conference Series: Earth and Environmental Science, 17(1), 012225, doi: http://dx.doi.org/10.1088/1755-1315/17/1/012225.

Gan, W., H. Shen, L. Zhang, and W. Gong (2014), Normalization of medium-resolution NDVI by the use of coarser reference data: method and evaluation, International Journal of Remote Sensing, 35(21), 7400-7429, doi: http://dx.doi.org/10.1080/01431161.2014.968684.

Gao, S. G., Z. L. Zhu, S. M. Liu, R. Jin, G. C. Yang, and L. Tan (2014), Estimating the spatial distribution of soil moisture based on Bayesian maximum entropy method with auxiliary data from remote sensing, International Journal of Applied Earth Observation and Geoinformation, 32, 54-66, doi: http://dx.doi.org/10.1016/j.jag.2014.03.003.

Ghosh, T., S. Basu, and S. Hazra (2014), Geological mapping of the Schuppen belt of north-east India using geospatial technology, Journal of Asian Earth Sciences, 79, 97-111, doi: http://dx.doi.org/10.1016/j.jseaes.2013.09.004.

Gil, A., Q. Yu, M. Abadi, and H. Calado (2014), Using ASTER Multispectral Imagery for Mapping Woody Invasive Species in Pico Da Vara Natural Reserve (Azores Islands, Portugal), Revista Arvore, 38(3), 391-401, doi: http://www.scielo.br/scielo.php?pid=S0100-67622014000300001&script=sci_arttext.

Gonzalez-Alvarez, I., et al. (2014), Greenfields exploration in the Albany-Fraser Orogen and on the southeast Yilgarn cratonic margin, Record - Geological Survey of Western Australia, 23-25, doi: http://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&cad=rja&uact=8&ved=0CCIQFjAA&url=http%3A%2F%2Fwww.researchgate.net%2Fprofile%2FIgnacio_Gonzalez-Alvarez%2Fpublication%2F260791271_GSWA_extended_abstracts_2014__Promoting_the_prospectivity_of_Western_Australia_Greenfields_exploration_in_the_AlbanyFraser_Orogen_and_on_the_southeast_Yilgarn_cratonic_margin%2Flinks%2F00b4953240e90a1554000000.pdf&ei=-NKiVOrGHZHloASBmoCACg&usg=AFQjCNHo57veUUvg59rlLcKspwC8bHvZEg&bvm=bv.82001339,d.cGU.

Guha, A., K. V. Kumar, E. N. D. Rao, and R. Parveen (2014), An image processing approach for converging ASTER-derived spectral maps for mapping Kolhan limestone, Jharkhand, India, Current science, 106(1), 40-49, doi: http://www.currentscience.ac.in/Volumes/106/01/0040.pdf.

Guillevic, P. C., et al. (2014), Validation of Land Surface Temperature products derived from the Visible Infrared Imaging Radiometer Suite (VIIRS) using ground-based and heritage satellite measurements, Remote Sensing of Environment, 154, 19-37, doi: http://dx.doi.org/10.1016/j.rse.2014.08.013.

Hasan, T. (2014), Geobotanical and geomorphological approach to map the surface lithology using remote sensor data, International Journal of Geomatics and Geosciences, 4(3), 558-572, doi: http://www.ipublishing.co.in/jggsarticles/volfour/EIJGGS4049.pdf.

He, G.W., B.H. Fu, M. Liu, S.H. Yang, P.L. Shi, and F. Liu (2014), Late-quaternary deformation and geomorphic features along the Longling-Ruili fault, Dizhen Dizhi, 36(2), 434-448, doi: http://dx.doi.org/10.3969/j.issn.0253-4967.2014.02.013.

Heege, T., V. Kiselev, M. Wettle, and N. N. Hung (2014), Operational multi-sensor monitoring of turbidity for the entire Mekong Delta, International Journal of Remote Sensing, 35(8), 2910-2926, doi: http://dx.doi.org/10.1080/01431161.2014.890300.

Herzfeld, U. C., B. McDonald, B. F. Wallin, W. Krabill, S. Manizade, J. Sonntag, H. Mayer, W. A. Yearsley, P. A. Chen, and A. Weltman (2014), Elevation changes and dynamic provinces of Jakobshavn Isbrae, Greenland, derived using generalized spatial surface roughness from ICESat GLAS and ATM data, Journal of Glaciology, 60(223), 834-848, doi: http://dx.doi.org/10.3189/2014JoG13J129.

Hewson, R., and D. Robson (2014), Using ASTER and geophysical mapping for mineral exploration in the Wagga Wagga and Cobar areas, N.S.W, Quarterly Notes - Geological Survey of New South Wales, 26, doi: http://www.publish.csiro.au/?act=view_file&file_id=PVv2014n171p45.pdf.

Hoshikawa, K., and M. Umezaki (2014), Effects of terrain-induced shade removal using global DEM data sets on land-cover classification, International Journal of Remote Sensing, 35(4), 1331-1355, doi: http://dx.doi.org/10.1080/01431161.2013.876122.

Hosseinjani Zadeh, M., M. H. Tangestani, F. Velasco Roldan, and I. Yusta (2014), Sub-pixel mineral mapping of a porphyry copper belt using EO-1 Hyperion data, Advances in Space Research, 53(3), 440-451, doi: http://dx.doi.org/10.1016/j.asr.2013.11.029.

Huang, W., C. Deng, and M. J. Day (2014), Differentiating tower karst (fenglin) and cockpit karst (fengcong) using DEM contour, slope, and centroid, Environmental Earth Sciences, 72(2), 407-416, doi: http://dx.doi.org/10.1007/s12665-013-2961-3.

Huang, L., Z. Li, B.-s. Tian, J.-m. Zhou, and Q. Chen (2014), Recognition of supraglacial debris in the Tianshan Mountains on polarimetric SAR images, Remote Sensing of Environment, 145, 47-54, doi: http://dx.doi.org/10.1016/j.rse.2014.01.020.

Hubbard, B. E., and N. Foley (2014), Planned remote sensing and laboratory spectral characterization of residual clay-hosted ion-adsorption type rare earth element (REE) deposits associated with deeply weathered laterite and bauxite soils, in Geological Society of America, Southeastern Section, 63rd annual meeting, 10–11 April 2014, Blacksburg, Virginia, edited, p. 91, Geological Society of America (GSA), Boulder, CO, doi: https://gsa.confex.com/gsa/2014SE/webprogram/Paper237526.html.

Hulley, G., S. Veraverbeke, and S. Hook (2014), Thermal-based techniques for land cover change detection using a new dynamic MODIS multispectral emissivity product (MOD21), Remote Sensing of Environment, 140, 755-765, doi: http://dx.doi.org/10.1016/j.rse.2013.10.014.

Hultquist, C., G. Chen, and K. Zhao (2014), A comparison of Gaussian process regression, random forests and support vector regression for burn severity assessment in diseased forests, Remote Sensing Letters, 5(8), 723-732, doi: http://dx.doi.org/10.1080/2150704X.2014.963733.

Huong, D. T. V., and R. Nagasawa (2014), Potential flood hazard assessment by integration of ALOS PALSAR and ASTER GDEM: A case study for the Hoa Chau commune, Hoa Vang district, in central Vietnam, Journal of Applied Remote Sensing, 8(1), 083626 doi: http://dx.doi.org/10.1117/1.jrs.8.083626.

Jacobson, C. R. (2014), The effects of endmember selection on modelling impervious surfaces using spectral mixture analysis: A case study in Sydney, Australia, International Journal of Remote Sensing, 35(2), 715-737, doi: http://dx.doi.org/10.1080/01431161.2013.871594.

James, N., and T. G. Sitharam (2014), Assessment of Seismically Induced Landslide Hazard for the State of Karnataka Using GIS Technique, Journal of the Indian Society of Remote Sensing, 42(1), 73-89, doi: http://dx.doi.org/10.1007/s12524-013-0306-z.

James, T. D., T. Murray, N. Selmes, K. Scharrer, and M. O'Leary (2014), Buoyant flexure and basal crevassing in dynamic mass loss at Helheim Glacier, Nature Geoscience, 7(8), 593-596, doi: http://dx.doi.org/10.1038/NGEO2204.

Jay, J. A. (2014), A geophysical survey of active volcanism in the Central and Southern Andes, Ph.D.thesis, 279 pp, Cornell University, doi: http://adsabs.harvard.edu/abs/2014PhDT.....23J.

Jerris, T. J. (2014), Development of structural basins and domes on the Sinn El-Kaddab plateau, Egypt: Insights from in situ data and application of moderate resolution orbital imagery of the Seiyal Fault, M.S. thesis, 64 pp, Missouri University of Science and Technology, doi: http://mst.bepress.com/masters_theses/7249.

Jimenez-Munoz, J., J. A. Sobrino, C. Mattar, G. Hulley, and F.-M. Gottsche (2014), Temperature and Emissivity Separation From MSG/SEVIRI Data, IEEE Transactions on Geoscience and Remote Sensing, 52(9), 5937-5951, doi: http://dx.doi.org/10.1109/TGRS.2013.2293791.

Jing, C. W., A. Shortridge, S. P. Lin, and J. P. Wu (2014), Comparison and validation of SRTM and ASTER GDEM for a subtropical landscape in Southeastern China, International Journal of Digital Earth, 7(12), 969-992, doi: http://dx.doi.org/10.1080/17538947.2013.807307.

Jing, C., Y. Bokun, W. Runsheng, T. Feng, Z. Yingjun, L. Dechang, Y. Suming, and S. Wei (2014), Regional-scale mineral mapping using ASTER VNIR/SWIR data and validation of reflectance and mineral map products using airborne hyperspectral CASI/SASI data, International Journal of Applied Earth Observation and Geoinformation, 33, 127-141, doi: http://dx.doi.org/10.1016/j.jag.2014.04.014.

Judah, A., B. Hu, and J. Wang (2014), An algorithm for boundary adjustment toward multi-scale adaptive segmentation of remotely sensed imagery, Remote Sensing, 6(5), 3583-3610, doi: http://dx.doi.org/10.3390/rs6053583.

Kalbi, S., A. Fallah, and S. Shataee (2014), Estimation of forest attributes in the Hyrcanian forests, comparison of advanced space-borne thermal emission and reflection radiometer and satellite poure I'observation de la terre-high resolution grounding data by multiple linear, and classification and regression tree regression models, Journal of Applied Remote Sensing, 8, 083632, doi: http://dx.doi.org/10.1117/1.JRS.8.083632.

Karimi, B., N. McQuarrie, J.-S. Lin, and W. Harbert (2014), Determining the geometry of the North Anatolian Fault east of the Marmara Sea through integrated stress modeling and remote sensing techniques, Tectonophysics, 623, 14-22, doi: http://dx.doi.org/10.1016/j.tecto.2014.03.015.

Karimpour, M. H., N. Mazhari, and A. M. Shafaroudi (2014), Discrimination of Different Erosion Levels of Porphyry Cu Deposits using ASTER Image Processing in Eastern Iran: a Case Study in the Maherabad, Shadan, and Chah Shaljami Areas, Acta Geologica Sinica-English Edition, 88(4), 1195-1213, doi: http://dx.doi.org/10.1111/1755-6724.12283.

Kato, S., T. Matsunaga, and H. Tonooka (2014), Statistical and in-situ validations of the ASTER spectral emissivity product at Railroad Valley, Nevada, USA, Remote Sensing of Environment, 145, 81-92, doi: http://dx.doi.org/10.1016/j.rse.2014.02.002.

Kellogg, C. H., and X. B. Zhou (2014), Impact of the construction of a large dam on riparian vegetation cover at different elevation zones as observed from remotely sensed data, International Journal of Applied Earth Observation and Geoinformation, 32, 19-34, doi: http://dx.doi.org/10.1016/j.jag.2014.03.021.

Kerdiles, H., S. Spyratos, and F. J. Gallego (2014), Assessment of cropland area on sloping land in DPRK, IOP Conference Series: Earth and Environmental Science, 17(1), 012043, doi: http://dx.doi.org/10.1088/1755-1315/17/1/012043.
Khalil, A., L. Hanich, R. Hakkou, and M. Lepage (2014), GIS-based environmental database for assessing the mine pollution; a case study of an abandoned mine site in Morocco, Journal of Geochemical Exploration, 144(Part C), 468-477, doi: http://dx.doi.org/10.1016/j.gexplo.2014.03.023.

Khan, A., K. S. Richards, G. T. Parker, A. McRobie, and B. Mukhopadhyay (2014), How large is the Upper Indus Basin? The pitfalls of auto-delineation using DEMs, Journal of Hydrology, 509, 442-453, doi: http://dx.doi.org/10.1016/j.jhydrol.2013.11.028.

Khromova, T., G. Nosenko, S. Kutuzov, A. Muraviev, and L. Chernova (2014), Glacier area changes in Northern Eurasia, Environmental Research Letters, 9(1), 015003, doi: http://dx.doi.org/10.1088/1748-9326/9/1/015003.

Kim, G., D.-S. Kim, K.-W. Park, J. Cho, K.-S. Han, and Y.-W. Lee (2014), Detecting wildfires with the Korean geostationary meteorological satellite, Remote Sensing Letters, 5(1), 19-26, doi: http://dx.doi.org/10.1080/2150704X.2013.862602.

Kobayashi, Y. (2014), Evaluation of Environmental Economic Value of Forest on Slope by Hedonic Approach, Journal of the City Planning Institute of Japan, 49(3), 213-218, doi: http://dx.doi.org/10.11361/journalcpij.49.213.

Korotchenko, R. A., A. N. Samchenko, and I. O. Yaroshchuk (2014), The spatiotemporal analysis of the bottom geomorphology in Peter the Great Bay of the Sea of Japan, Oceanology, 54(4), 497-504, doi: http://dx.doi.org/10.1134/s0001437014030047.

Kozhikkodan Veettil, B., U. Franz Bremer, A. Efrain Bica Grondona, and S. Florencio De Souza (2014), Recent changes occurred in the terminus of the Debriscovered Bilafond Glacier in the Karakoram Himalayas using remotely sensed images and digital elevation models (1978-2011), Journal of Mountain Science, 11(2), 398-406, doi: http://dx.doi.org/10.1007/s11629-013-2677-6.

Kropacek, J., N. Neckel, and A. Bauder (2014), Estimation of Mass Balance of the Grosser Aletschgletscher, Swiss Alps, from ICESat Laser Altimetry Data and Digital Elevation Models, Remote Sensing, 6(6), 5614-5632, doi: http://dx.doi.org/10.3390/rs6065614.

Kuroda, K., T. Kuroki, N. Iso, T. Soh, and K. Goto (2014), Accuracy Evaluation of Land Cover Classification by Compositing Satellite Data (LANDSAT,ASTER and ALOS) and Aerialphotograph, Proceedings of the General Meeting of the Association of Japanese Geographers, 2014s, 100090, doi: https://www.jstage.jst.go.jp/article/ajg/2014s/0/2014s_100090/_article.

Lasaponara, R., and N. Masini (2014), Beyond modern landscape features: New insights in the archaeological area of Tiwanaku in Bolivia from satellite data, International Journal of Applied Earth Observation and Geoinformation, 26, 464-471, doi: http://dx.doi.org/10.1016/j.jag.2013.09.006.

Lazzarini, M., and H. Ghedira (2014), Assimilation of Earth Observation Variables and In Situ Measurements in a Surface Energy Balance Model: A Case Study of a Desert City Area, IEEE Geoscience and Remote Sensing Letters, 11(1), 366-370, doi: http://dx.doi.org/10.1109/LGRS.2013.2258655.

Lazzarini, M., P. R. Marpu, Y. Eissa, and H. Ghedira (2014), Toward a Near Real-Time Product of Air Temperature Maps from Satellite Data and In Situ Measurements in Arid Environments, IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 7(7), 3093-3104, doi: http://dx.doi.org/10.1109/jstars.2014.2320762.

Lee, K. M., and J. H. Park (2014), Optical constants for Asian dust in midinfrared region, Journal of Geophysical Research-Atmospheres, 119(2), 927-942, doi: http://dx.doi.org/10.1002/2013jd020207.

Legleiter, C. J., M. Tedesco, L. C. Smith, A. E. Behar, and B. T. Overstreet (2014), Mapping the bathymetry of supraglacial lakes and streams on the Greenland ice sheet using field measurements and high-resolution satellite images, Cryosphere, 8(1), 215-228, doi: http://dx.doi.org/10.5194/tc-8-215-2014.

Li, Q., B. Zhang, L. Lu, and Q. Lin (2014), Hydrothermal alteration mapping using ASTER data in Baogutu porphyry deposit, China, IOP Conference Series: Earth and Environmental Science, 17(1), 012174, doi: http://dx.doi.org/10.1088/1755-1315/17/1/012174.

Li, J. G., M. E. Donselaar, S. E. H. Aria, R. Koenders, and A. M. Oyen (2014), Landsat imagery-based visualization of the geomorphological development at the terminus of a dryland river system, Quaternary International, 352, 100-110, doi: http://dx.doi.org/10.1016/j.quaint.2014.06.041.

Lin, Z., Z. Sheng, H. Mao, Y. Jin, W. Su, and G. Liu Vegetation type recognition based on decision tree, paper presented at 2014 Technical Congress on Resources, Environment and Engineering, CREE 2014, September 6, 2014 - September 7, 2014, Hong Kong, Taylor and Francis - Balkema.

Liu, X. X. (2014), Information extraction and metallogenic prediction of Qiangduo area in tibet based on multi-source remote sensing data, paper presented at 3rd International Conference on Energy and Environmental Protection, ICEEP 2014, April 26, 2014 - April 28, 2014, Xi'an, China, Trans Tech Publications Ltd, doi: http://dx.doi.org/10.4028/www.scientific.net/AMR.962-965.127.

Liu, K., X. Zhang, X. Li, and H. Jiang (2014), Multiscale analysis of urban thermal characteristics: case study of Shijiazhuang, China, Journal of Applied Remote Sensing, 8, 083649, doi: http://dx.doi.org/10.1117/1.JRS.8.083649.

Liu, B., J. Qu, Q. Niu, J. Wang, and K. Zhang (2014), Computational fluid dynamics evaluation of the effect of different city designs on the wind environment of a downwind natural heritage site, Journal of Arid Land, 6(1), 69-79, doi: http://dx.doi.org/10.1007/s40333-013-0192-9.

Liu, K., L. Liu, H. Liu, X. Li, and S. Wang (2014), Exploring the effects of biophysical parameters on the spatial pattern of rare cold damage to mangrove forests, Remote Sensing of Environment, 150, 20-33, doi: http://dx.doi.org/10.1016/j.rse.2014.04.019.

Liu, L., J. Zhou, F. Yin, M. Feng, and B. Zhang (2014), The Reconnaissance of Mineral Resources through ASTER Data-Based Image Processing, Interpreting and Ground Inspection in the Jiafushaersu Area, West Junggar, China, Journal of Earth Science, 25(2), 397-406, doi: http://dx.doi.org/10.1007/s12583-014-0423-9.

Liu, Z., M. Hu, Q. Chen, Y. Hu, and L. Wang (2014), Retrieval of land Surface Component Temperature by Particle Swarm Optimization Algorithm, Sensors and Transducers, 164(2), 256-264, doi: http://www.sensorsportal.com/HTML/DIGEST/february_2014/Vol_164/P_1860.pdf.

Liu, S., X. Tong, H. Xie, X. Liu, and J. Liu (2014), Motion of the Lambert Glacier estimated by using differential Interferometric Synthetic Aperture Radar, IOP Conference Series: Earth and Environmental Science, 17(1), 012139, doi: http://dx.doi.org/10.1088/1755-1315/17/1/012139.

Liu, L., J. Zhou, D. Jiang, D. F. Zhuang, and L. R. Mansaray (2014), Lithological discrimination of the mafic-ultramafic complex, Huitongshan, Beishan, China: Using ASTER data, Journal of Earth Science, 25(3), 529-536, doi: http://dx.doi.org/10.1007/s12583-014-0437-3.

Liu, X. L., J. G. Li, X. Li, Q. L. Wang, L. F. Zhang, and W. L. Liao (2014), Digital drainage network model of ebinur lake basin of bortala mongol autonomous prefecture based on DEM data, Applied Mechanics and Materials, 522-524, 1161-1165, doi: http://dx.doi.org/10.4028/www.scientific.net/AMM.522-524.1161.

Liu, J., X. Tong, S. Liu, S. Liu, L. Li, Z. Hong, and Y. Xu (2014), Glacier mass change evaluation in Lambert-Amery Area from 2002 to 2012 using ASTER stereo images and ICESat GLAS laser altimetry, IOP Conference Series: Earth and Environmental Science, 17(1), 012136, doi: http://dx.doi.org/10.1088/1755-1315/17/1/012136.

M. Nagao, T., T. Y. Nakajima, H. Letu, and H. Okamoto (2014), Cloud Microphysical Properties as Seen from Spaceborne Passive Multi-Spectral Imagers: Interpretation in Terms of Vertical and Horizontal Inhomogeneity by Using Modeling and Other Spaceborne Instruments, transactions of the japan society for aeronautical and space sciences, aerospace technology japan, 12(ists29), Tn_1-Tn_6, doi: http://dx.doi.org/10.2322/tastj.12.Tn_1.

Ma, W., Y. Ma, and H. Ishikawa (2014), Evaluation of the SEBS for upscaling the evapotranspiration based on in-situ observations over the Tibetan Plateau, Atmospheric Research, 138, 91-97, doi: http://dx.doi.org/10.1016/j.atmosres.2013.10.020.

Mallinis, G., G. Galidaki, and I. Gitas (2014), A Comparative Analysis of EO-1 Hyperion, Quickbird and Landsat TM Imagery for Fuel Type Mapping of a Typical Mediterranean Landscape, Remote Sensing, 6(2), 1684-1704, doi: http://dx.doi.org/10.3390/rs6021684.

Mangold, C. (2014), Mobile device visualization of cloud generated terrain viewsheds, paper presented at American Society for Photogrammetry and Remote Sensing Annual Conference: Geospatial Power in Our Pockets, ASPRS 2014, Co-Located with Joint Agency Commercial Imagery Evaluation Workshop, JACIE 2014, March 23, 2014 - March 28, 2014, Louisville, KY, American Society for Photogrammetry and Remote Sensing.

Marconcini, M., D. Marmanis, T. Esch, and A. Felbier (2014), A novel method for building height estmation using TanDEM-X data, paper presented at 2014 IEEE International Geoscience and Remote Sensing Symposium (IGARSS), 13-18 July 2014, Quebec City, QC 13-18 July 2014, doi: http://dx.doi.org/10.1109/IGARSS.2014.6947569.

Mars, J. C. (2014), Regional mapping of hydrothermally altered igneous rocks along the Urumieh-Dokhtar, Chagai, and Alborz Belts of western Asia using Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) data and Interactive Data Language (IDL) logical operators; a tool for porphyry copper exploration and assessment, U. S. Geological Survey. Scientific Investigations Report Rep. 2010–5090–O, 36 pp, U. S. Geological Survey, Reston, VA, doi: http://dx.doi.org/10.3133/sir20105090O.

Mashimbye, Z. E., W. P. De Clercq, and A. Van Niekerk (2014), An evaluation of digital elevation models (DEMs) for delineating land components, Geoderma, 213, 312-319, doi: http://dx.doi.org/10.1016/j.geoderma.2013.08.023.

McCorkel, J. (2014), Cross-calibration of Earth Observing System Terra satellite sensors MODIS and ASTER, paper presented at Earth Observing Systems XIX, August 17, 2014, San Diego, CA, doi: http://dx.doi.org/10.1117/12.2062498.

Meazell, P. K., II (2014), Porphyry copper exploration of the Hualapai Mountains, Mohave County, Arizona, USA: A multi-faceted approach, M.S.

Mechri, R., C. Ottle, O. Pannekoucke, and A. Kallel (2014), Genetic particle filter application to land surface temperature downscaling, Journal of Geophysical Research-Atmospheres, 119(5), 2131-2146, doi: http://dx.doi.org/10.1002/2013JD020354.

Melkonian, A. K., M. J. Willis, and M. E. Pritchard (2014), Satellite-derived volume loss rates and glacier speeds for the Juneau Icefield, Alaska, Journal of Glaciology, 60(222), 743-760, doi: http://dx.doi.org/10.3189/2014JoG13J181.

Menze, B. H., and J. A. Ur (2014), Multitemporal Fusion for the Detection of Static Spatial Patterns in Multispectral Satellite Images - With Application to Archaeological Survey, IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 7(8), 3513-3524, doi: http://dx.doi.org/10.1109/JSTARS.2014.2332492.

Merlin, O., J. Chirouze, A. Olioso, L. Jarlan, G. Chehbouni, and G. Boulet (2014), An image-based four-source surface energy balance model to estimate crop evapotranspiration from solar reflectance/thermal emission data (SEB-4S), Agricultural and Forest Meteorology, 184, 188-203, doi: http://dx.doi.org/10.1016/j.agrformet2013.10.002.

Ming, Y. F., and L. Yang (2014), The methods of mapping lithology with AVIRIS data, paper presented at 3rd International Conference on Energy and Environmental Protection, ICEEP 2014, April 26, 2014 - April 28, 2014, Xi'an, China, Trans Tech Publications Ltd, doi: http://dx.doi.org/10.4028/www.scientific.net/AMR.955-959.3879.

Mir, R. A., S. K. Jain, A. K. Saraf, and A. Goswami (2014), Glacier changes using satellite data and effect of climate in Tirungkhad basin located in western Himalaya, Geocarto International, 29(3), 293-313, doi: http://dx.doi.org/10.1080/10106049.2012.760655.

Mishra, B., M. S. Babel, and N. K. Tripathi (2014), Analysis of climatic variability and snow cover in the Kaligandaki River Basin, Himalaya, Nepal, Theoretical and Applied Climatology, 116(3-4), 681-694, doi: http://dx.doi.org/10.1007/s00704-013-0966-1.

Mishra, B. K., N. S. Rao, S. Rautray, and S. Pattanayak (2014), An Integrated Geoscientific Approach to Define Zones of Gold Mineralization --A Case Study in North Sudan, Open Journal of Geology, 4(5), 190-197, doi: http://dx.doi.org/10.4236/ojg.2014.45014.

Miyazaki, H., R. Shibasaki, and K. Iwao (2014), Development of high-resolution population database from ASTER-derived urban area map, paper presented at 2014 3rd International Workshop on Earth Observation and Remote Sensing Applications (EORSA), 11-14 June 2014, Changsha, China IEEE, 11-14 June 2014, doi: http://dx.doi.org/10.1109/EORSA.2014.6927879.

Moosavi, V., A. Talebi, and B. Shirmohammadi (2014), Producing a landslide inventory map using pixel-based and object-oriented approaches optimized by Taguchi method, Geomorphology, 204, 646-656, doi: http://dx.doi.org/10.1016/j.geomorph.2013.09.012.

Morel, L., E. Pottiaux, F. Durand, F. Fund, K. Boniface, P. S. De Oliveira, and J. Van Baelen (2014), Validity and behaviour of tropospheric gradients estimated by GPS in Corsica, Advances in Space Research, 55(1), 135-149, doi: http://dx.doi.org/10.1016/j.asr.2014.10.004.

Na, Y. T. (2014), Study on the application and comparative analysis of land surface temperature retrieval method based on multi-sensor remote sensing data, paper presented at 2nd International Conference on Advances in Energy and Environmental Science, ICAEES 2014, June 21, 2014 - June 22, 2014, Guangzhou, China, Trans Tech Publications Ltd, doi: http://dx.doi.org/10.4028/www.scientific.net/AMR.1010-1012.1276.

Naghadehi, K. M., A. Hezarkhani, and S. Asadzadeh (2014), Mapping the alteration footprint and structural control of Taknar IOCG deposit in east of Iran, using ASTER satellite data, International Journal of Applied Earth Observation and Geoinformation, 33, 57-66, doi: http://dx.doi.org/10.1016/j.jag.2014.04.016.

Nakazawa, S., and A. Iwasaki (2014), Super-resolution imaging using remote sensing platform, paper presented at 2014 IEEE International Geoscience and Remote Sensing Symposium (IGARSS), 13-18 July 2014, Quebec City, QC 13-18 July 2014, doi: http://dx.doi.org/10.1109/IGARSS.2014.6946851.

Narama, C., and R. Morita (2014), Discharge from debris-covered glacier in the Tien Shan, Central Asia, Proceedings of the General Meeting of the Association of Japanese Geographers, 2014s, 100205, doi: https://www.jstage.jst.go.jp/article/ajg/2014s/0/2014s_100205/_article.

Nauman, T. W., J. A. Thompson, and C. Rasmussen (2014), Semi-automated disaggregation of a conventional soil map using knowledge driven data mining and random forests in the Sonoran desert, USA, Photogrammetric Engineering and Remote Sensing, 80(4), 353-366, doi: http://dx.doi.org/10.14358/pers.80.4.353.

Newcomer, M. E., A. J. M. Kuss, T. Ketron, A. Remar, V. Choksi, and J. W. Skiles (2014), Estuarine sediment deposition during wetland restoration: a GIS and remote sensing modelling approach, Geocarto International, 29(4), 451-467, doi: http://dx.doi.org/10.1080/10106049.2013.798356.

Ni, W. J., Z. Y. Zhang, G. Q. Sun, Z. F. Guo, and Y. T. He (2014), The Penetration Depth Derived from the Synthesis of ALOS/PALSAR InSAR Data and ASTER GDEM for the Mapping of Forest Biomass, Remote Sensing, 6(8), 7303-7319, doi: http://dx.doi.org/10.3390/rs6087303.

Nichol, J., T. P. Hang, and E. Ng (2014), Temperature projection in a tropical city using remote sensing and dynamic modeling, Climate Dynamics, 42(11-12), 2921-2929, doi: http://dx.doi.org/10.1007/s00382-013-1748-2.

Othman, A. A., and R. Gloaguen (2014), Improving lithological mapping by SVM classification of spectral and morphological features: The discovery of a new chromite body in the Mawat ophiolite complex (Kurdistan, NE Iraq), Remote Sensing, 6(8), 6867-6896, doi: http://dx.doi.org/10.3390/rs6086867.

Partsinevelos, P., and G. Miliaresis (2014), Ship extraction and categorization from ASTER VNIR imagery, paper presented at 2nd International Conference on Remote Sensing and Geoinformation of the Environment, RSCy 2014, April 7, 2014 - April 10, 2014, Paphos, Cyprus, SPIE, doi: http://dx.doi.org/10.1117/12.2069202.

Patil, V. C., K. A. Al-Gaadi, R. Madugundu, E. H. M. Tola, S. A. Marey, A. M. Al-Omran, R. Khosla, S. K. Upadhyaya, D. J. Mulla, and A. Al-Dosari (2014), Delineation of Management Zones and Response of Spring Wheat (Triticum aestivum) to Irrigation and Nutrient Levels in Saudi Arabia, International Journal of Agriculture and Biology, 16(1), 104-110, doi: http://rp.ksu.edu.sa/sites/default/files/res-files/IJAB%20Paper.pdf.

Pena, J. M., P. A. Gutierrez, C. Hervas-Martinez, J. Six, R. E. Plant, and F. Lopez-Granados (2014), Object-Based Image Classification of Summer Crops with Machine Learning Methods, Remote Sensing, 6(6), 5019-5041, doi: http://dx.doi.org/10.3390/rs6065019.

Peres, L. F., R. Libonati, and C. C. DaCamara (2014), Land-Surface Emissivity Retrieval in MSG-SEVIRI TIR Channels Using MODIS Data, IEEE Transactions on Geoscience and Remote Sensing, 52(9), 5587-5600, doi: http://dx.doi.org/10.1109/tgrs.2013.2290778.

Pope, A., and W. G. Rees (2014), Impact of spatial, spectral, and radiometric properties of multispectral imagers on glacier surface classification, Remote Sensing of Environment, 141, 1-13, doi: http://dx.doi.org/10.1016/j.rse.2013.08.028.

Pournamdari, M., and M. Hashim (2014), Feature level fusion for enhanced geological mapping of ophiolile complex using ASTER and Landsat TM data, IOP Conference Series: Earth and Environmental Science, 18(1), 012145, doi: http://dx.doi.org/10.1088/1755-1315/18/1/012145.

Pournamdari, M., and M. Hashim (2014), Detection of chromite bearing mineralized zones in Abdasht ophiolite complex using ASTER and ETM+ remote sensing data, Arabian Journal of Geosciences, 7(5), 1973-1983, doi: http://dx.doi.org/10.1007/s12517-013-0927-0.

Pournamdari, M., M. Hashim, and A. B. Pour (2014), Application of ASTER and Landsat TM Data for Geological Mapping of Esfandagheh Ophiolite Complex, Southern Iran, Resour.Geol, 64(3), 233-246, doi: http://dx.doi.org/10.1111/rge.12038.

Pournamdari, M., M. Hashim, and A. B. Pour (2014), Spectral transformation of ASTER and Landsat TM bands for lithological mapping of Soghan ophiolite complex, south Iran, Advances in Space Research, 54(4), 694-709, doi: http://dx.doi.org/10.1016/j.asr.2014.04.022.

Pritchard, M. E., et al. (2014), Reconnaissance earthquake studies at nine volcanic areas of the central Andes with coincident satellite thermal and InSAR observations, Journal of Volcanology and Geothermal Research, 280, 90-103, doi: http://dx.doi.org/10.1016/j.jvolgeores.2014.05.004.

Qiu, B. W., C. Y. Zeng, C. C. Cheng, Z. H. Tang, J. Y. Gao, and Y. P. Sui (2014), Characterizing landscape spatial heterogeneity in multisensor images with variogram models, Chinese Geographical Science, 24(3), 317-327, doi: http://dx.doi.org/10.1007/s11769-013-0649-y.

Qu, Y., Y. Zhu, W. Han, J. Wang, and M. Ma (2014), Crop Leaf Area Index Observations With a Wireless Sensor Network and Its Potential for Validating Remote Sensing Products, IEEE Journal of Selected Topics In Applied Earth Observations And
Remote Sensing, 7(2), 431-444, doi: http://dx.doi.org/10.1109/JSTARS.2013.2289931.

Raj, K. B. G., K. V. Kumar, R. Mishra, and M. A. Mukhtar (2014), Remote Sensing based assessment of glacial lake growth on Milam glacier, Goriganga basin, Kumaon Himalaya, Journal of the Geological Society of India, 83(4), 385-392, doi: http://dx.doi.org/10.1007/s12594-014-0055-9.

Rajendran, S., and S. Nasir (2014), ASTER mapping of limestone formations and study of caves, springs and depressions in parts of Sultanate of Oman, Environmental Earth Sciences, 71(1), 133-146, doi: http://dx.doi.org/10.1007/s12665-013-2419-7.

Rajendran, S., and S. Nasir (2014), ASTER spectral sensitivity of carbonate rocks - Study in Sultanate of Oman, Advances in Space Research, 53(4), 656-673, doi: http://dx.doi.org/10.1016/j.asr.2013.11.047.

Rajendran, S., and S. Nasir (2014), Hydrothermal altered serpentinized zone and a study of Ni-magnesioferrite-magnetite-awaruite occurrences in Wadi Hibi, Northern Oman Mountain: Discrimination through ASTER mapping, Ore Geology Reviews, 62, 211-226, doi: http://dx.doi.org/10.1016/j.oregeorev.2014.03.016.

Rajendran, S., S. Nasir, T. M. Kusky, and S. al-Khirbash (2014), Remote sensing based approach for mapping of CO2 sequestered regions in Samail ophiolite massifs of the Sultanate of Oman, Earth-Science Reviews, 135, 122-140, doi: http://dx.doi.org/10.1016/j.earscirev.2014.04.004.

Ramachandran, V. R., S. K. Jacobs, A. H. Firpi, H. J. Mitchell, N. H. Tzeng, and B. M. Rodriguez (2014), Spectral comparison using k-means clustering, paper presented at 2014 IEEE Aerospace Conference, March 1, 2014 - March 8, 2014, Big Sky, MT, IEEE Computer Society, doi: http://dx.doi.org/10.1109/AERO.2014.6836472.

Rastner, P., T. Bolch, C. Notarnicola, and F. Paul (2014), A Comparison of Pixel- and Object-Based Glacier Classification With Optical Satellite Images, Ieee Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 7(3), 853-862, doi: http://dx.doi.org/10.1109/JSTARS.2013.2274668.

Rebesco, M., et al. (2014), Boundary condition of grounding lines prior to collapse, Larsen-B ice shelf, Antarctica, Science, 345(6202), 1354-1358, doi: http://dx.doi.org/10.1126/science.1256697.

Ren, H., R. Liu, G. Yan, X. Mu, Z.-L. Li, F. Nerry, and Q. Liu (2014), Angular Normalization of Land Surface Temperature and Emissivity Using Multiangular Middle and Thermal Infrared Data, IEEE Transactions on Geoscience and Remote Sensing, 52(8), 4913-4931, doi: http://dx.doi.org/10.1109/TGRS.2013.2285924.

Rexer, M., and C. Hirt (2014), Comparison of free high resolution digital elevation data sets (ASTER GDEM2, SRTM v2.1/v4.1) and validation against accurate heights from the Australian National Gravity Database, Australian Journal of Earth Sciences, 61(2), 213-226, doi: http://dx.doi.org/10.1080/08120099.2014.884983.

Robinson, N., J. Regetz, and R. P. Guralnick (2014), EarthEnv-DEM90: A nearly-global, void-free, multi-scale smoothed, 90m digital elevation model from fused ASTER and SRTM data, ISPRS Journal of Photogrammetry and Remote Sensing, 87, 57-67, doi: http://dx.doi.org/10.1016/j.isprsjprs.2013.11.002.

Rose, S. R., I. M. Watson, M. S. Ramsey, and C. G. Hughes (2014), Thermal deconvolution: Accurate retrieval of multispectral infrared emissivity from thermally-mixed volcanic surfaces, Remote Sensing of Environment, 140, 690-703, doi: http://dx.doi.org/10.1016/j.rse.2013.10.009.

Roupioz, L., F. Nerry, L. Jia, and M. Menenti (2014), Improved surface reflectance from remote sensing data with sub-pixel topographic information, Remote Sensing, 6(11), 10356-10374, doi: http://dx.doi.org/10.3390/rs61110356.

Rusli, N., M. R. Majid, and A. H. M. Din (2014), Google Earth's derived digital elevation model: A comparative assessment with Aster and SRTM data, IOP Conference Series: Earth and Environmental Science, 18(1), 012065, doi: http://dx.doi.org/10.1088/1755-1315/18/1/012065.

Salameh, E., H. Khoury, and W. U. Reimold (2014), Drilling the Waqf as Suwwan impact structure, International Journal of Earth Sciences = Geologische Rundschau, 103(1), 253-264, doi: http://dx.doi.org/10.1007/s00531-013-0932-2.

Salati, S., F. van Ruitenbeek, F. van der Meer, and B. Naimi (2014), Detection of Alteration Induced by Onshore Gas Seeps from ASTER and WorldView-2 Data, Remote Sensing, 6(4), 3188-3209, doi: http://dx.doi.org/10.3390/rs6043188.

Salem, S. M., N. M. Soliman, T. M. Ramadan, and R. O. Greiling (2014), Exploration of new gold occurrences in the alteration zones at the Barramiya District, Central Eastern Desert of Egypt using ASTER data and geological studies, Arabian Journal of Geosciences, 7(5), 1717-1731, doi: http://dx.doi.org/10.1007/s12517-013-0874-9.

Saran, S., G. Sterk, R. Nair, and R. S. Chatterjee (2014), Estimation of near surface soil moisture in a sloping terrain of a Himalayan watershed using ENVISAT ASAR multi-incidence angle alternate polarisation data, Hydrological Processes, 28(3), 895-904, doi: http://dx.doi.org/10.1002/hyp.9632.

Schenk, T., B. Csatho, C. van der Veen, and D. McCormick (2014), Fusion of multi-sensor surface elevation data for improved characterization of rapidly changing outlet glaciers in Greenland, Remote Sensing of Environment, 149, 239-251, doi: http://dx.doi.org/10.1016/j.rse.2014.04.005.

Senarath, S. U. S., and C.-J. Chen (2014), Implications of SRTM- and ASTER-Based DEMs on Hydrologic Responses at Various Catchment Scales, paper presented at World Environmental and Water Resources Congress 2014: Water without Borders, June 1-5, 2014, Portland, OR, American Society of Civil Engineers, doi: http://dx.doi.org/10.1061/9780784413548.227.

Shi, C., and W. Shao (2014), Knickpoints within the Suoshui watershed and the implication for the age of sandstone pillars in Zhangjiajie, China, Geomorphology, 221, 261-273, doi: http://dx.doi.org/10.1016/j.geomorph.2014.06.018.

Shilpi, R. M. Singh, and S. P. Maurya (2014), River network identification using Remote Sensing and GIS, paper presented at 2014 Students Conference on Engineering and Systems (SCES), 28-30 May 2014, Allahabad, India, IEEE, doi: http://dx.doi.org/10.1109/SCES.2014.6880095.

Sobrino, J. A., and J. C. Jimenez-Munoz (2014), Minimum configuration of thermal infrared bands for land surface temperature and emissivity estimation in the context of potential future missions, Remote Sensing of Environment, 148, 158-167, doi: http://dx.doi.org/10.1016/j.rse.2014.03.027.

Solberg, R., M. A. Killie, L. M. Andreassen, and M. Konig (2014), CryoClim; a new system and service for climate monitoring of the cryosphere, IOP Conference Series. Earth and Environmental Science, 17(1), 0-Paper no. 012008, doi: http://dx.doi.org/10.1088/1755-1315/17/1/012008.

Son, Y. S., M. K. Kang, and W. J. Yoon (2014), Pyrophyllite mapping in the Nohwa deposit, Korea, using ASTER remote sensing data, Geosciences Journal, 18(3), 295-305, doi: http://dx.doi.org/10.1007/s12303-014-0007-9.

Song, B., and K. Park (2014), Validation of ASTER Surface Temperature Data with In Situ Measurements to Evaluate Heat Islands in Complex Urban Areas, Advances in Meteorology, 620410, doi: http://dx.doi.org/10.1155/2014/620410.

Soydan, H., and H. S. Duzgun (2014), Evaluation of soil moisture content from ASTER and Worldview 2 imageries, paper presented at 2014 IEEE International Geoscience and Remote Sensing Symposium (IGARSS), 13-18 July 2014, Quebec City, QC 13-18 July 2014, doi: http://dx.doi.org/10.1109/IGARSS.2014.6947171.

Tashiro, T., and A. Iwasaki (2014), Generation of DEM and orthoimage of Borneo(Kalimantan) island using ASTER, paper presented at 2014 IEEE International Geoscience and Remote Sensing Symposium (IGARSS), 13-18 July 2014, Quebec City, QC 13-18 July 2014, doi: http://dx.doi.org/10.1109/IGARSS.2014.6946766.

Tayebi, M. H., M. H. Tangestani, and R. K. Vincent (2014), Alteration mineral mapping with ASTER data by integration of coded spectral ratio imaging and SOM neural network model, Turkish Journal of Earth Sciences, 23(6), 627-644, doi: http://dx.doi.org/10.3906/yer-1401-9.

Tayebi, M. H., M. H. Tangestani, R. K. Vincent, and D. Neal (2014), Spectral properties and ASTER-based alteration mapping of Masahim volcano facies, SE Iran, Journal of Volcanology and Geothermal Research, 287, 40-50, doi: http://dx.doi.org/10.1016/j.jvolgeores.2014.09.013.

Telfer, M. W., S. C. Mills, and A. E. Mather (2014), Extensive Quaternary aeolian deposits in the Drakensberg foothills, Rooiberge, South Africa, Geomorphology, 219, 161-175, doi: http://dx.doi.org/10.1016/j.geomorph.2014.05.006.

Van, d. M., d. W. van, and F. J. A. van Ruitenbeek (2014), Potential of ESA's Sentinel-2 for geological applications, Remote Sensing of Environment, 148, 124-133, doi: http://dx.doi.org/10.1016/j.rse.2014.03.022.

van der Meer, F., C. Hecker, F. van Ruitenbeek, H. van der Werff, C. de Wijkerslooth, and C. Wechsler (2014), Geologic remote sensing for geothermal exploration: A review, International Journal of Applied Earth Observation and Geoinformation, 33, 255-269, doi: http://dx.doi.org/10.1016/j.jag.2014.05.007.

Prior Updates:
February 21, 2013
Compiled by Ann Coppin, JPL Library

Future European and Japanese Remote-Sensing Sensors and Programs (1991), paper presented at Future European and Japanese Remote-Sensing Sensors and Programs, Apr 1-2 1991, , Publ by Int Soc for Optical Engineering, Bellingham, WA, USA.
Proceedings of the 3rd International Symposium: JERS-1 and Remote Sensing in the Future (Dai 3 Kai Kokusai Shinpojiumu: JERS-1 To Kongo No rimoto Senshingu Koenshu) (1991), paper presented at 3rd International Symposium: JERS-1 and Remote Sensing in the Future, , Tokyo, Japan.
, EOS Aster/HIRIS investigation, (1992).
Better Understanding of Earth Environment (1993), paper presented at Proceedings of the 13th Annual International Geoscience and Remote Sensing Symposium IGARSS'93, Aug 18-21 1993, , Publ by IEEE, Piscataway, NJ, USA.
Proceedings of IGARSS '93 - IEEE International Geoscience and Remote Sensing Symposium (1993), paper presented at Proceedings of IGARSS '93 - IEEE International Geoscience and Remote Sensing Symposium, 18-21 Aug. 1993, , IEEE.
Sensor systems for the early earth observing system platforms; Proceedings of the Conference, Orlando, FL, Apr. 13, 14, 1993 (1993), paper presented at UNITED STATES, .
, The effects of cloud inhomogeneities upon radiative fluxes, and the supply of a cloud truth validation dataset (Semiannual Progress Report, Jan. -Jun. 1994), (1994)*, NASA-CR-196080; NAS 1.26:196080*.
, The effects of cloud inhomogeneities upon radiative fluxes, and the supply of a cloud truth validation dataset; Topical Semiannual progress Report, January 1994, (1994)*, NASA-CR-196080; NAS 1.26:196080*, 71-71. 2
Abstracts for Geological Survey Seminar, No. 236, Application of Advanced Remote Sensing Data-ASTER Project, (1995) *Chishitsu Chousa Kenkyuu Houkoku = Bulletin of the Geological Survey of Japan, 46*(8), 445-448.
Advanced and next-generation satellites; Proceedings of the Meeting, Paris, France, Sept. 25-28, 1995 (1995), paper presented at UNITED STATES, .
, The effects of cloud inhomogeneities upon radiative fluxes, and the supply of a cloud truth validation dataset; Semiannual Report - Progress, December 1995, (1995)*, NASA-CR-200077; NAS 1.26:200077*, 7-7.
Platforms and systems; Proceedings of the Conference, Rome, Italy, Sept. 28, 29, 1994 (1995), paper presented at UNITED STATES, .
Earth observing system; Proceedings of the Conference, Denver, CO, Aug. 3-6, 1996 (1996), paper presented at UNITED STATES, .
, EOS Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER), (1996).
Infrared spaceborne remote sensing IV; Proceedings of the Conference, Denver, CO, Aug. 6, 7, 1996 (1996), paper presented at UNITED STATES, .

, ASTER simulation using existing remote sensing data and multispectral airborne scanner data (Silver Bell area, Arizona, USA). (1997) *Kobutsu Shigen Tansa Gijutsu Kaihatsu Chosa Hokokusho.Heisei 8 Nendo.Rimoto Senshingu ni yoru Tansa Gijutsu Kaihatsu*, PAGE.III.1(1)-III.66(TOTAL 45P).
, Development of ASTER, (1997).
, Development of exploration technique using remote sensing . Preparation of ASTER simulation data. Part 2. Pastos Largos district of Chile. (Agency of Natural Resources and Energy S). (1997) *Kobutsu Shigen Tansa Gijutsu Kaihatsu Chosa Hokokusho.Heisei 8 Nendo.Rimoto Senshingu ni yoru Tansa Gijutsu Kaihatsu*, PAGE.IV.1(1)-IV.30(TOTAL 28P). 3

Sensors, systems, and next-generation satellites; Proceedings of the Conference, London, United Kingdom, Sept. 22-25, 1997 (1997), paper presented at UNITED STATES, , Bellingham.
Earth observing systems III; Proceedings of the Meeting, San Diego, CA, July 19-21, 1998 (1998), paper presented at UNITED STATES, .
, Calibration and characterization of satellite sensors; Proceedings of the A0.2 Symposium of COSPAR Scientific Commission A, 32nd COSPAR Scientific Assembly, Nagoya, Japan, July 12-19, 1998, (1999) *Advances in Space Research, 23*(8).
, Report on the technical development survey for the mineral resources exploration. Technical development of the exploration made use of the remote sensing . ASTER data utility manual for the exploration of the metalliferous mineral resources. Fiscal 1999. (Agency of National Resources and Energy. S). (1999) *Kobutsu Shigen Tansa Gijutsu Kaihatsu Chosa Hokokusho.Heisei 10 Nendo.Rimoto Senshingu ni yoru Tansa Gijutsu Kaihatsu.Kinzoku Kobutsu Shigen Tansa no tameno ASTER Deta Riyo Manyuaru*, PAGE.199P.
, A Case Study of Analysis Using the Real ASTER Data in Chile. (2001) *Kobutsu Shigen Tansa Gijutsu Kaihatsu Chosa Hokokusho.Heisei 12 Nendo.Rimoto Senshingu ni yoru Tansa Gijutsu Kaihatsu*, PAGE.IV.1.I-IV.1.76(TOTAL 52P).
, Case study of ASTER data analysis at Goldfield and Cuprite, Nevada, USA. (2001) *Kobutsu Shigen Tansa Gijutsu Kaihatsu Chosa Hokokusho.Heisei 12 Nendo.Rimoto Senshingu ni yoru Tansa Gijutsu Kaihatsu*, PAGE.IV.2.I-IV.2.63(TOTAL 42P).
, Case Study of Mineral Exploration on ASTER Verification Program Oman Mountains, Sultanate of Oman. (2001) *Kobutsu Shigen Tansa Gijutsu Kaihatsu Chosa Hokokusho.Heisei 12 Nendo.Rimoto Senshingu ni yoru Tansa Gijutsu Kaihatsu*, PAGE.IV.3.I-IV.3.52(TOTAL 32P). 4

, Collection and Measurement of Spectral Data Set of Rocks and Minerals. (2001) *Kobutsu Shigen Tansa Gijutsu Kaihatsu Chosa Hokokusho.Heisei 12 Nendo.Rimoto Senshingu ni yoru Tansa Gijutsu Kaihatsu*, PAGE.I.I,I.II-I.III,I.1-I.29.
, EOS Aster/HIRIS Investigation, (2001).
, Examination of Indices for Discriminating Rock and Minerals and Their Universal Validity. (2001) *Kobutsu Shigen Tansa Gijutsu Kaihatsu Chosa Hokokusho.Heisei 12 Nendo.Rimoto Senshingu ni yoru Tansa Gijutsu Kaihatsu*, PAGE.III.I,III.II-III.III,III.1-III.52.
, The research of the practical application of copper ore mineral remote detection according to the ASTER simulation data. (2001) *Kobutsu Shigen Tansa Gijutsu Kaihatsu Chosa Hokokusho.Heisei 12 Nendo.Rimoto Senshingu ni yoru Tansa Gijutsu Kaihatsu*, PAGE.V.I-V.46(TOTAL 35P).
Sensors, Systems, and Next-Generation Satellites IV: Proceedings (2001), paper presented at Sensors, Systems, and Next-Generation Satellites IV, Sep 25-28 2000, , Society of Photo-Optical Instrumentation Engineers, Barcelona, Spain.
, TERRA Spacecraft, (2001)*, NASA/NP-2000-11-136-GSFC; NAS 1.83:11-136-GSFC; NONP-NASA-CD-2002075678*.
, TERRA Spacecraft, (2001)*, NASA/NP-2000-11-136-GSFC; NAS 1.83:11-136-GSFC; NONP-NASA-CD-2001109971*, 1 CD-ROM-1 CD-ROM.
, Upgrading of Spectral Database of Rock Samples and Mineral Samples. (2001) *Kobutsu Shigen Tansa Gijutsu Kaihatsu Chosa Hokokusho.Heisei 12 Nendo.Rimoto Senshingu ni yoru Tansa Gijutsu Kaihatsu*, PAGE.II.I,II.II-II.III,II.1-II.23.
, Feasibility Study of Advanced Earth Observation Sensor System, (2003) *Jisedaigata Chikyu Kansoku Sensa Shisutemu ni kansuru Chosa Kenkyu Hokokusho Heisei 15nen*, PAGE.235P. 5

, Tethys Ocean convergence region (around Turkey and Caucasus). The fiscal year of 2002. (2003) *Techisukai Shusoku Chiiki (Toruko, Kokasasu Shuhen) Heisei 14 Nendo.Kaigai Eisei Gazo Kaiseki Chosa Hokokusho*, PAGE.69P.

Proceedings of SPIE - Sensors, Systems, and Next-Generation Satellites VIII (2004), paper presented at Sensors, Systems, and Next-Generation Satellites VIII, Sep 13-15 2004, , International Society for Optical Engineering, Bellingham, WA 98227-0010, United States.
Sensors, systems, and next-generation satellites VII; Proceedings of SPIE, Vol. 5234 (2004), paper presented at Sensors, Systems, and Next-Generation Satellites VII; Barcelona, Spain; Sep. 8-10, 2003, .
, Volcanic observations from space; new results from the EOS Satellite instruments, (2004) *J. Volcanol. Geotherm. Res., 135*(1-2), 219.
2005 International Workshop on the Analysis of Multi-Temporal Remote Sensing Images (IEEE Cat. No. 05EX1064) (2005), paper presented at 2005 International Workshop on the Analysis of Multi-Temporal Remote Sensing Images, 16-18 May 2005, , IEEE.
Proceedings of SPIE - Sensors, Systems, and Next-Generation Satellites IX (2005), paper presented at Sensors, Systems, and Next-Generation Satellites IX, Sep 20-22 2005, , International Society for Optical Engineering, Bellingham WA, WA 98227-0010, United States.
, THERMAL ANOMALIES IN SOUTHERN CA FROM ASTER DATA; December 2005, (2005), 1-9.
Emerging and Future Technologies for Space-Based Operations Support to NATO Military Operations (2006), paper presented at Space Science and Technology Group Specialists' Meeting, , Bucharest Romania Romania.
Proceedings of SPIE - Optics for Natural Resources, Agriculture, and Foods (2006), paper presented at Optics for Natural Resources, Agriculture, and Foods, Oct 3-4 2006, , International Society for Optical Engineering, Bellingham WA, WA 98227-0010, United States. 6

Proceedings of SPIE - Sensors, Systems, and Next-Generation Satellites X (2006), paper presented at Sensors, Systems, and Next-Generation Satellites X, Sep 11-13 2006, , International Society for Optical Engineering, Bellingham WA, WA 98227-0010, United States, Stockholm, Sweden.
Proceedings of the 2004 High Spatial Resolution Commercial Imagery Workshop (2006), paper presented at 2004 High Spatial Resolution Commercial Imagery Workshop, .
Remote Sensing for Agriculture, Ecosystems, and Hydrology VIII (2006), paper presented at Remote Sensing for Agriculture, Ecosystems, and Hydrology VIII, Sep 11-13 2006, , International Society for Optical Engineering, Bellingham WA, WA 98227-0010, United States, Stockholm, Sweden.
Proceedings of SPIE: SAR Image Analysis, Modeling, and Techniques IX (2007), paper presented at SAR Image Analysis, Modeling, and Techniques IX, , SPIE, Bellingham WA, WA 98227-0010, United States.
Proceedings of SPIE: Remote Sensing of Clouds and the Atmosphere XIII (2008), paper presented at Remote Sensing of Clouds and the Atmosphere XIII, , SPIE.
Sensors, Systems, and Next-Genration Satellites XII (2008), paper presented at Sensors, Systems, and Next-Generation Satellites XII, September 15, 2008 - September 18, , SPIE.
Elevation models for geoscience (2010), vol. 345, , Geological Society of London, London, United Kingdom (GBR), United Kingdom (GBR).
Latest Trends on Engineering Mechanics, Structures, Engineering Geology - 3rd WSEAS International Conference on Engineering Mechanics, Structures, Engineering Geology, EMESEG'10, International Conference on Geography and Geology 2010, WORLDGEO'10 (2010), paper presented at 3rd WSEAS International Conference on Engineering Mechanics, Structures, Engineering Geology, EMESEG'10, International Conference on Geography and 7

Geology 2010, WORLDGEO'10, July 22, 2010 - July 24, , World Scientific and Engineering Academy and Society, Corfu Island, Greece.
, Cut Off By Floodwaters, (2011) *Aviat. Week Space Technol., 173*(2), 17.
, Identification of mineral resources in Afghanistan; detecting and mapping resource anomalies in prioritized areas using geophysical and remote sensing (ASTER and HyMap) data, (2011) *U.S. Geological Survey Open File Report, 2011-1229*, 327, doi:http://pubs.usgs.gov/of/2011/1229/.
, NASA improves free worldwide DEM, (2011) *Position (Alexandria, N.S.W.), 56*, 8.
, Western Australia has first Australian ASTER series maps, (2011) *Gold & Minerals Gazette, 6*(53), 51.
Abbott, E. A., A. B. Kahle, and V. J. Realmuto (1997), Development of the Kamokuma Entry, Kilauea Volcano, Hawaii, September 2-17, 1995,.
Abbott, E. A. (1991), Proceedings of the Third Thermal Infrared Multispectral Scanner (TIMS) Workshop, paper presented at Workshop held in Pasadena, CA, 22 May 1991, .

Abdeen, M. M. and S. M. Hassan (2009), Utilization of spectral signature and principal component analysis, of terra aster images for exploring new sites of building sand and gravels, northwest Gulf of Suez, Egypt, paper presented at 30th Asian Conference on Remote Sensing 2009, ACRS 2009, October 18, 2009 - October 23, 2009, Beijing, China, , Asian Association on Remote Sensing.
Abdeen, M. M. and F. A. Masoudi (2010), Utilization of multi-dates and multi-sensors remote sensing data in monitoring land use/land cover changes in Kuwait, paper presented at 31st Asian Conference on Remote Sensing 2010, ACRS 2010, November 1, 2010 - November 5, 2012, Hanoi, Viet Nam, , Asian Association on Remote Sensing. 8

Abdeen, M. M., A. K. Thurmond, M. G. Abdelsalam, and R. J. Stern (2001), Application of ASTER band-ratio images for geological mapping in arid regions; the Neoproterozoic Allaqi Suture, Egypt; Geological Society of America, 2001 annual meeting, *Abstracts with Programs - Geological Society of America, 33*(6), 289.
Abdelsalam, M. G., J. B. Thurmond, and A. K. Thurmond (2002), Resolving lithologic and temporal contrasts of lava flows using optical-radar fusion; Erte' Ale Volcano, Ethiopia; Geological Society of America, 2002 annual meeting, *Abstracts with Programs - Geological Society of America, 34*(6), 451.
Abdelsalam, M. G., A. M. Youssef, S. M. Arafat, and M. Alfarhan (2007), The rise and demise of the new lakes of Sahara, *Abstracts with Programs - Geological Society of America, 39*(6), 569.
Abdi, M. and M. H. Karimpour (2012), Application of Spectral Angle Mapper Classification to Discriminate Hydrothermal Alteration in Southwest Birjand, Iran, Using Advanced Spaceborne Thermal Emission and Reflection Radiometer Image Processing, *Acta Geologica Sinica-English Edition, 86*(5), 1289-1296, doi:http://dx.doi.org/10.1111/j.1755-6724.2012.00748.x.
Abedi, M., A. Gholami, and G. Norouzi (2013), A stable downward continuation of airborne magnetic data: A case study for mineral prospectivity mapping in Central Iran, *Computers and Geosciences, 52*, 269-280, doi:http://dx.doi.org/10.1016/j.cageo.2012.11.006.
Abílio de Carvalho Júnior, O., R. F. Guimarães, A. P. Ferreira de Carvalho, N. Correia da Silva, E. de Souza Martins, and R. A. Trancoso Gomes (2005), Vegetation mapping in the Parque Nacional, Brasilia (Brazil) area using advanced spaceborne thermal emission and reflection radiometer (ASTER) data and spectral identification method (SIM), paper presented at Remote Sensing for Environmental Monitoring, GIS Applications, and Geology V, Sep 19-20 2005, , Bruges; Belgium. 9

Aboelkhair, H., Y. Ninomiya, Y. Watanabe, and I. Sato (2010), Processing and interpretation of ASTER TIR data for mapping of rare-metal-enriched albite granitoids in the Central Eastern Desert of Egypt, *J. Afr. Earth Sci., 58*(1), 141-151, doi:10.1016/j.jafrearsci.2010.01.007.
Abrams, M. (1999), The ASTER Imaging Sensor on NASA's Terra Platform,.
Abrams, M. (2000), The Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER): data products for the high spatial resolution imager on NASA's Terra platform, *Int. J. Remote Sens., 21*(5), 847-859.
Abrams, M. (2000), The Avanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER),.
Abrams, M. (2003), The Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) on NASA's Terra spacecraft, paper presented at 30th International Symposium on Remote Sensing of the Environment, , Honolulu, HI.
Abrams, M. (2003), ASTER Users Workshop, *Earth Observer, 15*(3), 17-18.
Abrams, M. (2003), Natural hazards monitoring from the Advanced Spaceborne Thermal Emission and Reflection radiometer (ASTER) on NASA's Terra spacecraft, paper presented at 30th International Symposium on Remote Sensing of the Environment, , Honolulu, HI.
Abrams, M. (2003), Natural hazards monitoring with ASTER data, paper presented at ASPRS Annual Conference, Anchorage, Alaska, , Jet Propulsion Lab., California Inst. of Tech.; Pasadena, CA.
Abrams, M., L. Alberotanza, R. M. Cavalli, V. Cuomo, S. Pignatti, and V. Tramutoli (2001), Airborne and satellite hyperspectral data over the Venice test site, paper presented at Proceedings of the Spectra Workshop, Jun 12-13 2001, , European Space Agency.
Abrams, M. and B. Bailey (2001), Digital elevation models created from stereo terra Aster data,. 10

Abrams, M. and G. Bailey (2000), Evaluation of ASTER Data for Geologic Mapping in Semi-Arid Terrain,.
Abrams, M. and S. Hook (2000), Geologic Mapping with the MODIS ASTER (MASTER) Airborne Simulator at Cuprite, Nevada,.
Abrams, M. and S. Hook (2000), The Master Aircraft Instrument,.

Abrams, M. and A. Kahle (2000), The Advanced Spaceborne Thermal and Emission Radiometer (ASTER),.
Abrams, M., A. Kahle, and S. Hook (1998), EOS ASTER: High Resolution Imager for Earth Science, paper presented at ASPRS Annual Conference, .
Abrams, M., M. Kishino, T. Matsunaga, and M. Kato (2000), Water Quality and Temperature Mapping Using ASTER, paper presented at IGARSS 2000, .
Abrams, M. and H. Murakami (2001), Digital elevation models created from stereo ASTER data, paper presented at International Society for Optical Engineering 46th Annual Meeting, .
Abrams, M. and D. Pier (2002), Volcanic hazards monitoring with ASTER data,.
Abrams, M. and D. Pieri (2001), Volcanic hazards monitoring with ASTER data,.
Abrams, M. and D. Pieri (2003), Volcanic hazards monitoring with ASTER data, paper presented at IGARSS, .
Abrams, M., V. Realmuto, D. Pieri, and L. Glaze (1993), Present and Future Remote Sensing Methods for Observing and Monitoring Volcanoes,.
ABRAMS, M. (1992), Simulation of ASTER data using AVIRIS images, paper presented at Summaries of the Third Annual JPL Airborne Geoscience Workshop. Volume 1: AVIRIS Workshop p 83-84 (SEE N94-16666 03-42); UNITED STATES, . 11

Abrams, M. (1995), The EOS Advanced Spaceborne Thermal Emission Reflectance Radiometer (ASTER): High Resolution Imager for Earth Science,.
Abrams, M., B. Bailey, H. Tsu, and M. Hato (2010), The ASTER Global DEM, *Photogramm. Eng. Remote Sensing, 76*(4), 344-348.
Abrams, M. and S. J. Hook (1995), Simulated ASTER data for geologic studies, *IEEE Trans. Geosci. Remote Sens., 33*(3), 692-699.
AbuBakr, M., E. Ghoneim, F. El-Baz, M. Y. Zeineldin, and S. Zeid (2010), Remote sensing data integration and runoff modeling to estimate flash floods in El-Arish, Sinai, Egypt, *Abstracts with Programs - Geological Society of America, 42*(5), 316.
Achard, V., S. Lesage, and L. Poutier (2008), Retrieval of atmospheric temperature and water vapour content from thermal infrared hyperspectral data in a purpose of atmospheric compensation, paper presented at Remote Sensing of Clouds and the Atmosphere XII, Sep 17-19 2007, , SPIE, Bellingham WA, WA 98227-0010, United States, Florence, Italy.
Adiat, K. A. N., M. N. M. Nawawi, and K. Abdullah (2012), Assessing the accuracy of GIS-based elementary multi-criteria decision analysis as a spatial prediction tool; a case of predicting potential zones of sustainable ground water resources, *Journal of Hydrology, 440-441*, 75-89, doi:http://dx.doi.org/10.1016/j.jhydrol.2012.03.028.
Adjorlolo, C., M. A. Cho, O. Mutanga, and R. Ismail (2012), Optimizing spectral resolutions for the classification of C-3 and C-4 grass species, using wavelengths of known absorption features, *Journal of Applied Remote Sensing, 6*, 063560, doi:http://dx.doi.org/10.1117/1.JRS.6.063560.
Adler, J. J. (2010), Assessing supraglacial water volume and the changing dynamics of the surface topography near the Jakobshavn Glacier, Greenland, 159.
Agapiou, A., G. Papadavid, and D. G. Hadjimitsis (2009), Integration of wireless sensor network and remote sensing for monitoring and determining irrigation demand in Cyprus, 12

paper presented at Remote Sensing for Agriculture, Ecosystems, and Hydrology XI, September 1, 2009 - September 3, , SPIE, Berlin, Germany.
Agar, B. and D. W. Coulter (2007), Remote sensing and infrared reflectance spectroscopy; a decade perspective 1997-2007, paper presented at Exploration 07; 5th international conference on Mineral exploration, Sept. 9-12, 2007, Toronto, Canada, , [varies], [varies].
Ahadnejadreveshty, M., Y. Maruyama, and A. Rabet (2010), Estimation of rain-fed wheat cultivation by using satellite images (Case study: Khodabandeh district, Zanjan Province), paper presented at 31st Asian Conference on Remote Sensing 2010, ACRS 2010, November 1, 2010 - November 5, 2012, Hanoi, Viet Nam, , Asian Association on Remote Sensing.
Ahmad, S., S. I. Hasnain, C. D. (. Arha, V. S. (. Ramamurthy, K. N. (. Mathur, and U. K. (. Bassi (2004), Analysis of satellite imageries for characterization of glacio-morphological features of the Gangotri Glacier, Ganga headwater, Garhwal Himalaya; Workshop on Gangotri Glacier; proceedings [modified], *Special Publication Series - Geological Survey of India, 80*, 61-67.

Ahmed, M. H., B. M. El Leithy, J. R. Thompson, R. J. Flower, M. Ramdani, F. Ayache, and S. M. Hassan (2009), Application of remote sensing to site characterisation and environmental change analysis of North African coastal lagoons, *Hydrobiologia, 622*, 147-171, doi:10.1007/s10750-008-9682-8.
Ahmed, S. A., K. N. Chandrashekarappa, S. K. Raj, V. Nischitha, and G. Kavitha (2010), Evaluation of Morphometric Parameters Derived from ASTER and SRTM DEM - A study on Bandihole Sub-watershed Basin in Karnataka, *Journal of the Indian Society of Remote Sensing, 38*(2), 227-238.
Ahn, H. J. (2008), Urban surface temperature retrieval from space through emissivity classification, *DAI, 69*(05B), 129-2877. 13

Ahn, Y. and I. M. Howat (2011), Efficient automated glacier surface velocity measurement from repeat images using multi-image/multichip and null exclusion feature tracking, *IEEE Trans. Geosci. Remote Sens., 49*(8), 2838-2846, doi:10.1109/TGRS.2011.2114891.
Aiazzi, B., L. Alparone, S. Baronti, L. Santurri, and M. Selva (2005), Information-theoretic assessment of ASTER super-spectral imagery, paper presented at Image and Signal Processing for Remote Sensing XI; Bruges; Belgium; 20-22 Sept. 2005, .
Aiazzi, B., L. Alparone, S. Baronti, L. Santurri, and M. Selva (2005), Spatial resolution enhancement of ASTER thermal bands, paper presented at Image and Signal Processing for Remote Sensing XI; Bruges; Belgium; 20-22 Sept. 2005, .
Aizen, V. B., V. A. Kuzmichenok, E. M. Aizen, and A. B. Surazakov (2003), Tien Shan glacier's recession since the end of 19th century and during last 60 years by land instrumental, aerial photo and satellite remote sensing data, *EOS Trans. Am. Geophys. Union, 84*(46, Suppl.), Abstract C11B-0818.
Aizen, V. B., V. A. Kuzmichenok, A. B. Surazakov, and E. M. Aizen (2006), Glacier changes in the central and northern Tien Shan during the last 140 years based on surface and remote-sensing data; Papers from the international symposium on High-elevation glaciers and climate records, *Annals of Glaciology, 43*, 202-213.
Aizen, V. B., V. A. Kuzmichenok, A. B. Surazakov, and E. M. Aizen (2007), Glacier changes in the Tien Shan as determined from topographic and remotely sensed data; Northern Eurasia regional climate and environmental change, *Global Planet. Change, 56*(3-4), 328-340, doi:10.1016/j.gloplacha.2006.07.016.
AKAIKE, T. and Y. Yamaguchi (2006), Estimation of latent heat flux in forest areas by ASTER data.
Akamatsu, J., K. Nishimura, L. Jiang, M. Komazawa, T. Yano, K. Li, K. Nakamura, H. Morikawa, K. Sakai, and S. Udagawa (2006), 3D Basement Structure and Characteristics of 14

Active Faults of Lijiang Basin and Its Surroundings, Yunnan Province of Northwest China, and Mechanism for Basin Genesis, *EOS Transactions, American Geophysical Union, 87*.
Akar, I. (2009), How geographical information systems and remote sensing are used to determine morphometrical features of the drainage network of Kastro (Kasatura) Bay hydrological basin, *Int. J. Remote Sens., 30*(7), 1737-1748, doi:10.1080/01431160802639533.
Akasaka, A., M. Ono, Y. Sakurai, and B. Hayashida (1991), Short-wavelength infrared subsystem design status of ASTER, paper presented at Future European and Japanese Remote-Sensing Sensors and Programs, Apr 1-2 1991, , Publ by Int Soc for Optical Engineering, Bellingham, WA, USA.
Akasheh, O. Z., P. H. Gowda, T. A. Howell, B. R. Scanlon, and A. French (2008), Monitoring ET over Texas High Plains using two-source model and high resolution ASTER data, *Abstracts with Programs - Geological Society of America, 40*(6), 69.
Akgun, A., C. Kincal, and B. Pradhan (2012), Application of remote sensing data and GIS for landslide risk assessment as an environmental threat to Izmir city (west Turkey), *Environmental Monitoring and Assessment, 184*(9), 5453-5470, doi:http://dx.doi.org/10.1007/s10661-011-2352-8.
Akl, P. G. (2005), Temporal change detection using ASTER and USGS digital elevation models, *MAI, 44*(01), 43-140.
Akman, A. U., O. C. Kuyumcu, S. Onc, U. Z. Destegul, V. Baydar, I. Vural, K. Balci, and S. Cuhadar (2009), New geothermal resource findings around the Menderes Massif in the western Anatolia, Turkey, paper presented at Geothermal Resources Council Annual Meeting 2009, Geothermal 2009, October 4, 2009 - October 7, , Geothermal Resources Council, Reno, NV. 15

Akumu, C. E., S. Pathirana, S. Baban, and D. Bucher (2010), Monitoring coastal wetland communities in north-eastern NSW using ASTER and Landsat satellite data, *Wetlands Ecol. Manage., 18*(3), 357-365, doi:10.1007/s11273-010-9176-0.

Al Habshi, A., T. Youssef, M. Aizpuru, and F. Blasco (2007), New mangrove ecosystem data along the UAE coast using remote sensing, *Aquat. Ecosyst. Health Manage., 10*(3), 309-319.
Al Saud, M. (2008), Using ASTER images to analyze geologic linear features in Wadi Aurnah Basin, western Saudi Arabia, *The Open Remote Sensing Journal, 1*, 17-25, doi:http://dx.doi.org/10.2174/1875413900801010017.
Al Saud, M. (2009), Watershed Characterization of Wadi Aurnah, Western Arabian Peninsula, *J. Water Resour. Protect., 1*(5), 316-324, doi:http://dx.doi.org/10.4236/jwarp.2009.15038.
Al Saud, M. (2010), Mapping potential areas for groundwater storage in Wadi Aurnah Basin, western Arabian Peninsula, using remote sensing and geographic information system techniques, *Hydrogeol. J., 18*(6), 1481-1495, doi:10.1007/s10040-010-0598-9.
Al-Dousari, A., M. Sultan, and A. Milewski (2009), Constraints on groundwater recharge in arid environments from field, remote sensing data and rainfall-runoff models; case studies from Kuwait, *Abstracts with Programs - Geological Society of America, 41*(7), 580.
Alebachew, M., A. K. Thurmond, and M. G. Abdelsalam (2004), Optical-radar-DEM data integration for mapping morphologically-defined structures in extensional tectonic regions; examples from the Afar Depression, Ethiopia; AAPG annual meeting, *Annual Meeting Expanded Abstracts - American Association of Petroleum Geologists, 13*, 3.
Alecu, C., N. Chrysoulakis, S. Oancea, and G. Stancalie (2007), The georeferencing errors of satellite data in remote sensing applications, paper presented at Image and Signal Processing for Remote Sensing XIII, , SPIE, Bellingham WA, WA 98227-0010, United States.
Alecu, C., S. Oancea, and E. Bryant (2005), Multi-resolution analysis of MODIS and ASTER satellite data for water classification, paper presented at Remote Sensing for Environmental 16

Monitoring, GIS Applications, and Geology V, Sep 19-20 2005, , International Society for Optical Engineering, Bellingham WA, WA 98227-0010, United States.
Alecu, C., S. Oancea, and E. Bryant (2006), MODIS versus ASTER water classification, paper presented at Spectral Imaging: Eighth International Symposium on Multispectral Color Science, Jan 16-17 2006, , International Society for Optical Engineering, Bellingham WA, WA 98227-0010, United States.
Alecu, C., S. Oancea, and E. Bryant (2006), Multi-Resolution Analysis of MODIS and ASTER Satellite Data for Water Classification, paper presented at Emerging and Future Technologies for Space-Based Operations Support to NATO Military Operations, , Bucharest, Romania.
Alesheikh, A. A. and F. Sadeghi Naeeni Fard (2007), Design and implementation of a knowledge-based system to improve maximum likelihood classification accuracy, *Canadian Journal of Remote Sensing, 33*(6), 459-467.
Alexakis, D., D. Hadjimitsis, A. Agapiou, K. Themistokleous, and A. Retalis (2011), Monitoring urban land cover with the use of satellite remote sensing techniques as a means of flood risk assessment in Cyprus, paper presented at Sensors, Systems, and Next-Generation Satellites XV, September 19, 2011 - September 22, , SPIE.
Alexakis, D., A. Sarris, T. Astaras, and K. Albanakis (2009), Detection of Neolithic Settlements in Thessaly (Greece) Through Multispectral and Hyperspectral Satellite Imagery, *Sensors, 9*(2), 1167-1187, doi:10.3390/s90201167.
Alexandridis, T. K., C. A. Topaloglou, I. Pardalis, G. Tsakoumis, M. Vogiatzis, A. Andrianopoulos, V. Takavakoglou, S. Vougioukas, D. Bochtis, G. C. Zalidis, and N. G. Silleos (2008), Monitoring indicators for mediterranean wetland and agricultural area using ALOS data, paper presented at ALOS PI 2008 Symposium, November 3, 2008 - November 7, , European Space Agency, Island of Rhodes, Greece.
17

Alfarhan, M. S., S. M. Arafat, and M. G. Abdelsalam (2006), Interplay of Cretaceous-Quaternary faulting and folding in the south desert of Egypt; insights from remote sensing analysis; Geological Society of America, South-Central Section, 40th annual meeting, *Abstracts with Programs - Geological Society of America, 38*(1), 9.
Al-Hanbali, A., H. Al-Bilbisi, and A. Kondoh (2006), Monitoring the Dead Sea Area Changes Using Remote Sensing and GIS, *Journal of Japan Society of Hydrology and Water Research, 19*(6), 483-490.
Ali, K. A. (2007), Multi-resolution remote sensing data and GIS applications for retrieval of spatial evapotranspiration and surface energy flux components over the East African Rift basin, *Abstracts with Programs - Geological Society of America, 39*(6), 572-573.

Ali, Y. and N. Zagdaa (2009), Modeling forest fire hazard in mongolia using RS/GIS: A case study of Batsumber, paper presented at 30th Asian Conference on Remote Sensing 2009, ACRS 2009, October 18, 2009 - October 23, 2009, Beijing, China, , Asian Association on Remote Sensing.
Alimohammadi, M., P. Behnia, M. A. Ghorbani, and N. M. Amiri (2008), Application of SWIR and TIR spectral regions inferred from ASTER data to map the hydrothermal alteration and silicic parts accompanied by gold mineralization in the Hired mining area, southern Birjand, Iran, *Geophysical Research Abstracts, 10*, EGU2008-A-06562.
Alkevli, T. and M. Ercanoglu (2011), Assessment of ASTER satellite images in landslide inventory mapping: Yenice-Gokcebey (Western Black Sea Region, Turkey), *Bulletin of Engineering Geology and the Environment, 70*(4), 607-617.
Alkevli, T., B. Kocader, and K. C. Ozguner (2009), Turkiye kiyilarindaki kirliligin uazktan algilama yontemleri ile belirlenmesi (Mersin ve Iskenderun Korfezi ornegi)--Detecting coastal pollutions of Turkey with remote sensing techniques (sample from Mersin and Iskenderun Gulf), *Turkiye Jeoloji Kurultayi Bildiri Ozleri = Abstract of the Geological Congress of Turkey, 62*, 368-369. 18

Allain, M., A. Nguyen, E. Johnson, E. Williams, S. Tsai, S. Prichard, T. Freed, and J. W. Skiles (2011), A geospatial assessment of mountain pine beetle infestations and their effect on forest health in okanogan-wenatchee national forest, paper presented at American Society for Photogrammetry and Remote Sensing Annual Conference 2011, ASPRS 2011, May 1, 2011 - May 5, 2011, Milwaukee, WI, United States, , American Society for Photogrammetry and Remote Sensing.
Allen, S., I. Owens, and P. Sirguey (2008), Satellite remote sensing procedures for glacial terrain analyses and hazard assessment in the Aoraki Mount Cook region, New Zealand, *N. Z. J. Geol. Geophys., 51*(1), 73-87.
Allen, S. K., D. Schneider, and I. F. Owens (2009), First approaches towards modelling glacial hazards in the Mount Cook region of New Zealand's Southern Alps, *Natural Hazards and Earth System Sciences (NHESS), 9*(2), 481-499.
Allen, S., I. Owens, and C. Huggel (2008), A first estimate of mountain permafrost distribution in the Mount Cook region of New Zealand's Southern Alps, paper presented at Ninth international conference on Permafrost, Fairbanks, AK, United States, June 29-July 3, 2008, .
Allen, T. R. (2012), Estimating coastal lagoon tidal flooding and repletion with multidate ASTER thermal imagery, *Remote Sensing, 4*(10), 3110-3126, doi:http://dx.doi.org/10.3390/rs4103110.
Allen, T. R., G. Oertel, and G. McLeod (2011), Synoptic assessment of repletion and residual water dynamics in a coastal lagoon by thermal remote sensing: Great Machipongo Lagoon (Hog Island Bay), Virginia, USA, *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 4*(1), 147-158.
Alley, R. (1999), Algorithm Theoretical Basis Document for: Decorrelation Stretch: Version 2.2, August 15, 1996, 1-19. 19

Alley, R. and M. Jentoft-Nilsen (1999), Algorithm Theoretical Basis Document for: Brightness Temperature, 1-16.
Almeida, T. I. R., C. R. De Souza Filho, and R. Rossetto (2006), ASTER and Landsat ETM+ images applied to sugarcane yield forecast, *Int. J. Remote Sens., 27*(19), 4057-4069.
Almeida-Filho, R., F. R. S. Moreira, and C. H. Beisl (2005), The Serra da Cangalha astrobleme as revealed by ASTER and SRTM orbital data, *Int. J. Remote Sens., 26*(5), 833-838.
Alonso, C. A., M. Rios-Sanchez, and J. S. Gierke (2010), Lineament mapping for groundwater exploration using remotely sensed imagery in karst terrains, *Abstracts with Programs - Geological Society of America, 42*(5), 602.
Alonso-Benito, A., P. Hernandez-Leal, A. Gonzalez-Calvo, M. Arbelo, and A. Barreto (2008), Analysis of different methods for burnt area estimation using remote sensing and ground truth data, paper presented at IGARSS 2008 - 2008 IEEE International Geoscience and Remote Sensing Symposium, , IEEE.
Alonso-Contes, C. A. (2011), Lineament mapping for groundwater exploration using remotely sensed imagery in a karst terrain: Rio Tanama and Rio de Arecibo basins in the northern karst of Puerto Rico, 77.
Alphan, H., H. Doygun, and Y. I. Unlukaplan (2009), Post-classification comparison of land cover using multitemporal Landsat and ASTER imagery: the case of Kahramanmara angstrom, Turkey, *Environ. Monit. Assess., 151*(1-4), 327-336, doi:10.1007/s10661-008-0274-x.

Altaweel, M. (2005), The use of ASTER satellite imagery in archaeological contexts, *Archaeological Prospection, 12*(3), 151-166.
Altaweel, M. (2004), The land of Ashur: A study of landscape and settlement in the Assyrian heartland (Iraq), *DAI, 65*(06A), 431-2249. 20

Altobelli, A., T. Hubina, S. Sponza, and A. Sisto (2008), Effect of abiotic and biotic factors on the abundance of waterbirds in Grado-Marano Lagoon (Italy), paper presented at Remote Sensing for Agriculture, Ecosystems, and Hydrology X, , SPIE - The International Society for Optical Engineering.
Alvan, H. V. and F. H. Azad (2011), Satellite remote sensing in earthquake prediction. A review, paper presented at National Postgraduate Conference (NPC), 2011:Energy & Sustainability: Exploring the Innovative Minds, , IEEE, Kuala Lumpur, Malaysia.
Aly, M. H., A. G. Klein, and J. R. Giardino (2003), Discrimination of rock glaciers on Nevado Sajama, Bolivia, using remote sensing; Geological Society of America, 2003 annual meeting, *Abstracts with Programs - Geological Society of America, 35*(6), 259.
Amarsaikhan, D., M. Ganzorig, and T. Moon (2005), Investigation of urban temperature changes using multitemporal thermal infrared images, paper presented at 26th Asian Conference on Remote Sensing, ACRS 2005 and 2nd Asian Space Conference, ASC, November 7, 2005 - November 11, 2005, Ha Noi, Viet nam, , Asian Association on Remote Sensing.
Ambinakudige, S. and K. Joshi (2011), Remote sensing estimates of glacier mass balance changes in the Himalayas of Nepal, *American Geophysical Union Fall Meeting, 2011*, Abstract C53E-0718, doi:http://www.agu.org/cgi-bin/SFgate/SFgate?language=English&verbose=0&listenv=table&application=fm11&convert=&convert hl=&refinequery=&formintern=&formextern=&transquery=an%3dc53e&_lines=&multiple=0&descripto r=%2fdata%2fepubs%2fwais%2findexes%2ffm11%2ffm11%7c.
Ambinakudige, S. (2009), Estimation of planimetric and volumetric changes in Gangotri Glacier in Himalayas using multi-spectral satellite images, paper presented at Association of American Geographers 2009 annual meeting, Las Vegas, NV, United States, March 22-27, 2009, , Association of American Geographers, Washington, DC, United States (USA). 21

Amer, R. M. (2011), Geoenvironmental and structural studies for developing new water resources in arid and semi-arid regions using remote sensing and GIS, 149, doi:http://adsabs.harvard.edu/abs/2011PhDT.....58A.
Amer, R., T. Kusky, and A. El Mezayen (2012), Remote sensing detection of gold related alteration zones in Um Rus area, Central Eastern Desert of Egypt, *Advances in Space Research, 49*(1), 121-134.
Amer, R., T. Kusky, and A. Ghulam (2010), Lithological mapping in the Central Eastern Desert of Egypt using ASTER data, *J. Afr. Earth Sci., 56*(2-3), 75-82, doi:10.1016/j.jafrearsci.2009.06.004.
Amici, S., M. F. Buongiorno, S. Corradini, S. Pugnaghi, and M. Sgavetti (2007), Airborne FTIR measurements over the Mt Etna volcano: preliminary results from the 2003 FASA campaign, *Int. J. Remote Sens., 28*(17), 3871-3893.
Amici, S., L. Merucci, S. Pugnaghi, and S. Corradini (2006), On ground Italian volcanic area spectral characterization for the calibration/validation of remote sensing data, paper presented at Sensors, Systems, and Next-Generation Satellites X, Sep 11-13 2006, , International Society for Optical Engineering, Bellingham WA, WA 98227-0010, United States, Stockholm, Sweden.
Amici, S., C. Tolomei, F. Doumaz, and S. Vinci (2008), Mt. Teide and Mt. Etna volcanic rocks characterization (VIS-IR) at different scales and its organization in a spectral library, *EOS Trans. Am. Geophys. Union, 89*(53, Suppl.), @Abstract V11C-2055.
Amici, S., A. Piscini, and M. F. Buongiorno (2010), Aster temperature and emissivity validation on Volcano Teide, paper presented at 2010 30th IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2010, July 25, 2010 - July 30, , Institute of Electrical and Electronics Engineers Inc, Honolulu, HI. 22

Ananicheva, M. D. and G. A. Kapustin (2011), Izmeneniye sostoyaniya gornykh lednikovykh sistem Rossiyskoy Subarktiki; otsenka po kosmicheskim snimkam i katalogu lednikov SSSR/ Change of mountain glacial systems in the Russian sub-Arctic; analysis based on space photography and catalog of glaciers in the USSR, in *Polyarnaya kriosfera i vody sushi /Polar cryosphere and continental waters,* , edited by V. M. Kotlyakov, pp. 114-121, Moscow, Russian Federation, Paulsen Editions.
Ananicheva, M. D. (2012), Current state of glaciers in the Koryak Range and prediction of their evolution until the middle of the 21st century, *Led i Sneg = Ice and Snow, 117*, 15-23.

Andermann, C. and R. Gloaguen (2009), Estimation of erosion in tectonically active orogenies. Example from the Bhotekoshi catchment, Himalaya (Nepal), *Int. J. Remote Sens., 30*(12), 3075-3096, doi:10.1080/01431160802558733.
Anderson, E. D. and B. W. Rockwell (2008), Energy and minerals for America's future/custom tools, scripting, and tweaks; Proceedings of the U.S. Geological Survey Seventh biennial geographic information science workshop, *U.S. Geological Survey Scientific Investigations Report, SIR 2008-5074*, 18.
Andrews Deller, M. E. (2004), Locating dateable minerals in laterites using remote sensing; an example from Eritrea, NE Africa; Italia 2004; 32nd international geological congress; abstracts, *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 32*, 1324.
Andrews Deller, M. E. (2007), Space technology for disaster management; data access and its place in the community, in *Mapping hazardous terrain using remote sensing,* , vol. 283, edited by R. M. Teeuw, pp. 149-164, London, United Kingdom (GBR), Geological Society of London.
Anon (2000), Terra satellite data verified as NASA measures rates of global change, *Opt. Photonics News, 11*(10), 8-9. 23

Anonymous (2011), Mapping minerals transforming exploration, *Prospect (Perth.1992), 2011*(September-November), 24-25, doi:http://www.dsd.wa.gov.au/documents/Prospect_Sept_Nov_2011.pdf.
Aoki, Y., H. Ohmae, and S. Kitamura (1991), Thermal infrared subsystem design status of ASTER, paper presented at Future European and Japanese Remote-Sensing Sensors and Programs, Apr 1-2 1991, , Int Soc for Optical Engineering, Bellingham, WA, USA, Orlando, FL.
Aosier, B., K. Tsuchiya, and M. Kaneko (2004), Oasis and forests in Xinjiang, China retreived from aster data, paper presented at 35th COSPAR Scientific Assembly, .
Aosier, B., M. Kaneko, and M. Takada (2008), Comparison of NDVI of ground measurement, atmospheric corrected ASTER LIB data and ASTER surface reflectance product (AST07) data, paper presented at 2007 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2007, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Aosier, B., M. Kaneko, and M. Takada (2008), Evaluation of the forest damage by typhoon using remote sensing technique, paper presented at 2007 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2007, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Aoyama Takashi and O. H. (2006), Verification of heavy rain damage in Fukui Prefecture using Terra / ASTER images and DEM data.
Aoyama Takashi, O. H. , and T. Funaki (2005), Verification of Downpour damage in Fukui Prefecture using Terra / ASTER images.
Araar, M., M. Derbali, and J. F. Jullien (1998), Buckling of the multi-vaulted 'Aster' shell under axial compression alone or combined with an external pressure, *Struct. Eng. Mech., 6*(7), 827-839. 24

Arai K, Terayama Y, and E. K. (1998), An assessment of vicarious calibration accuracy for ASTER /VNIR.
Arai Kohei and M. M. (2006), Sensor fusion by means of wavelet Multi-Resolution Analysis: MRA.
Arai Kohei and T. Y. (2000), Effectiveness of 8.3.MU.m Band on Sea Surface Temperature Estimation and Its Optimum Center Wavelength Maximizing SST Estimation Accuracy. *Journal of the Japan Society of Photogrammetry and Remote Sensing, 39,NO.4*, PAGE.19-24.
Arai Kohei and Y. N. (2003), Evaluation of RMS error and Confidence interval depending on how to take Specimen group in Sea surface temperature estimation using ASTER /TIR Thermal InfraRed data by Regression analysis.
Arai Kohei, Tateyama Yuichi, and T. Y. (1993), An accuracy assessment of interactive calibration of ASTER /TIR with MODIS.
Arai, H., S. Tsuchida, and K. Thome (1996), Calibration plan and preliminary field campaign for ASTER, paper presented at Advanced and next generation satellites II; Proceedings of the Meeting, Taormina, Italy; UNITED STATES; 23-26 Sept. 1996, , Bellingham.
Arai, K. (1996), Interactive calibration of the sensors onboard the same platform, *Advances in Space Research, 17*(1), 21-28.
Arai, K. (2000), Sea surface temperature (SST) estimation accuracy assessment for ASTER/TIR - An effectiveness of 8.3 μm of water vapour absorption band for SST retrieval, *Canadian Journal of Remote Sensing, 26*(6), 576-579.

Arai, K. (2001), Early results from the vicarious calibration of Terra/ASTER/SWIR, *Advances in Space Research, 28*(1), 77-82. 25

Arai, K. (2009), Reflectance based vicarious calibration of ASTER/VNIR with aerosol refractive index and size distribution estimation using measured atmospheric polarization irradiance, paper presented at Polarization Science and Remote Sensing IV, , SPIE, San Diego, CA.
Arai, K. and A. Basuki (2010), A Cellular Automata Based Approach for Prediction of Hot Mudflow Disaster Area, in *Computational Science and Its Applications – ICCSA 2010,* , vol. 6017, edited by Anonymous , pp. 87-98, Berlin, Springer.
Arai, K. (1994), Method for surface temperature retrieval with ASTER/TIR, paper presented at Proceedings of the 1994 International Geoscience and Remote Sensing Symposium. Part 1 (of 4), Aug 8-12 1994, , IEEE, Piscataway, NJ, USA.
Arai, K. (1997), Inflight test site cross calibration between mission instruments onboard the same platform, *Advances in Space Research, 19*(9), 1317-1324.
Arai, K. (1999), Preliminary vicarious calibration for EOS-AM1/ASTER with field campaigns, *Advances in Space Research, Volume 23*(no. 8), 1449-1457.
Arai, K. (2005), Radiometric performance evaluation of ASTER /VNIR and SWIR onboard Terra Satellite.
Arai, K. (2008), Nonlinear mixture model of mixed pixels in remote sensing satellite images based on Monte Carlo simulation, *Advances in Space Research, 41*(11), 1715-1723.
ARAI, K., S. MUKAI, H. WATANABE, T. TSUKADA, T. TAGAWA, and Saga Univ. (Japan). Dept. of Information Science. (1992), Influence due to satellite attitude jitter on estimation of Digital Elevation Model (DEM), paper presented at ESA, Environment Observation and Climate Modelling Through International Space Projects. Navigation and Mobile Communications. Image Processing, GIS, and Space-Assisted Mapping p 259-262 (SEE N93-23507 08-43); INTERNATIONAL ORGANIZATION, .
Arai, K., A. Ono, and Y. Yamaguch (1993), Accuracy assessment of the interactive calibration of ASTER/TIR with MODIS, paper presented at Proceedings of the 13th Annual International 26

Geoscience and Remote Sensing Symposium, Aug 18-21 1993, , Publ by IEEE, Piscataway, NJ, USA.
Arai, K., A. Ono, and Y. Yamaguchi (1994), In-flight test site calibration of EOS-AM 1/ ASTER/ TIR with MODIS, *Advances in Space Research, 14*(3), 4; p. (3)227-(3)230.
Arai, K., Rokugawa, Takashima, T. Matsunaga, Tonooka, Machida, and Okada (1996), The Field Experiments for ASTER Vicarious Calibration (Part 1).
Arai, K., K. Thome, S. Tsuchida, K. Maekawa, and H. Tonooka (2001), Early Results from the Vicarious Calibration Activities for ASTER /VNIR and SWIR in Japan. *Journal of Remote Sensing Society of Japan, 21,NO.5*, PAGE.431-439.
Arai, K., K. J. Thome, S. Tsuchida, T. Takashima, Y. Kawada, S. Machida, and H. Tonooka (2000), Field Experiment in Tsukuba Test Site for ASTER Vicarious Calibration. Visible to Near Infrared and Shortwave Infrared Radiometers. *Journal of Remote Sensing Society of Japan, 20,NO.1*, PAGE.55-62.
Arai, K. and H. Tonooka (2005), Radiometric performance evaluation of ASTER VNIR, SWIR, and TIR, *IEEE Trans. Geosci. Remote Sens., 43*(12), 2725-2732.
Arai, K. and L. XingMing (2006), Vicarious calibration of ASTER/VNIR with ground based measurements of refractive index and size distribution of aerosol, paper presented at 2006 IEEE International Geoscience and Remote Sensing Symposium, IGARSS, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
ARAI, K. and T. YAMAGUCHI (2010), Prediction of Missing ASTER/VNIR Data Based on Kalman Filter Using Simultaneously Acquired MODIS Data as a Mean Value of Time Series Data in Revision Process of Filter Status, *Journal of Remote Sensing Society of Japan, 30*(3), 141-148, doi:https://www.jstage.jst.go.jp/article/rssj/30/3/30_3_141/_pdf.
Arakawa, Y., M. Kato, T. Tachikawa, and K. Okada (2005), Terra/ASTER urgent observation of earthquake and tsunami damaged area in north Sumatra, Indonesia and data analysis by 27

using NDXI, paper presented at 26th Asian Conference on Remote Sensing, ACRS 2005 and 2nd Asian Space Conference, ASC, November 7, 2005 - November 11, 2005, Ha Noi, Viet nam, , Asian Association on Remote Sensing.
Arakawa, Y., Y. Takehana, and T. Onuma (2004), Application of Terra/ASTER satellites for petroleum exploration; Abstracts from the 110th symposium of Society of Exploration Geophysicists of Japan, *Butsuri-Tansa = Geophysical Exploration, 57*(4), 415.

Arakawa, Y. (2005), Terra/Advanced Space-Borne Thermal Emission and Reflection Radiometer (ASTER) application for oil and gas exploration, *Abstracts: Annual Meeting - American Association of Petroleum Geologists, 14*, A6.
Archkasov, S. N., A. A. Genike, L. A. Sinenko, and L. S. Yunoshev (1995), Metrological certification of geodetic space navigation equipment, *Geodeziya i Kartograftya (Russia)*, 1-12.
Arciniegas, G. A., W. Bijker, N. Kerle, and V. A. Tolpekin (2007), Coherence- and amplitude-based analysis of seismogenic damage in Bam, Iran, using ENVISAT ASAR data, *IEEE Trans. Geosci. Remote Sens., 45*(6), 1571-1581.
Arefi, H. and P. Reinartz (2011), Accuracy enhancement of ASTER global digital elevation models using ICESat data, *Remote Sensing, 3*(7), 1323-1343.
Arellano-Baeza, A. A., R. V. Garcia, M. Trejo-Soto, and A. Martinez Bringas (2009), Use of the ASTER satellite images for evaluation of structural changes in the Popocatepetl volcano related to microseismicity, *Advances in Space Research, 43*(2), 224-230.
Arellano-Baeza, A. A., A. T. Zverev, and V. A. Malinnikov (2006), Study of changes in the lineament structure, caused by earthquakes in South America by applying the lineament analysis to the Aster (Terra) satellite data, *Natural Hazards and Oceanographic Processes from Satellite Data, 37*(4), 690-697.
Arellano-Baeza, A. (2007), Use of high resolution satellite images for tracking of accumulation and displacement of faults in the Earth's crust, previous to earthquakes, by applying the 28

lineament extraction technique, paper presented at Earth; our changing planet; proceedings of IUGG XXIV general assembly , Perugia, ITA, Italy, July 2-13, 2007, , IUGG, [location varies], International (III).
Arellano-Baeza, A., R. Ortega-Bustamante, and F. M. Perez (2007), Study of changes in the Popocatepetl Volcano geologic deformations caused by microseismicity, by applying the lineament analysis to the ASTER (Terra) satellite images, paper presented at Earth; our changing planet; proceedings of IUGG XXIV general assembly , Perugia, ITA, Italy, July 2-13, 2007, , IUGG, [location varies], International (III).
Argenti, G., L. Bottai, M. Chiesi, F. Maselli, N. Stagliano, and S. Targetti (2011), Analysis and assessment of mountain pastures by integration of multispectral and ancillary data, *Rivista Italiana Di Telerilevamento, 43*(1), 45-57.
Argialas, D. and A. Tzotsos (2006), Automatic extraction of physiographic features and alluvial fans in nevada, USA from digital elevation models and satellite imagery through multiresolution segmentation and objectoriented classification, paper presented at Annual Conference of the American Society for Photogrammetry and Remote Sensing 2006: Prospecting for Geospatial Information Integration, ASPRS 2006, May 1, 2006 - May 5, 2006, Reno, NV, , American Society for Photogrammetry and Remote Sensing.
Arigony-Neto, J., H. Saurer, R. Jana, F. Rau, J. C. Simoes, and H. Gossmann (2006), Monitoring snow parameters on the Antarctic Peninsula using satellite data; a new methodological approach, *EARSeL eProceedings, 5*(1), 100-110.
Ariizumi, Y., H. Fukui, and K. Hirose (2005), Land use change in mangrove areas of southern Vietnam using satellite images, paper presented at 26th Asian Conference on Remote Sensing, ACRS 2005 and 2nd Asian Space Conference, ASC, November 7, 2005 - November 11, 2005, Ha Noi, Viet nam, , Asian Association on Remote Sensing. 29

Armand, N. A., V. V. Efremenko, L. Pantani, and I. Pippi (1997), Environmental monitoring in Italy by the optical sensors of the PRIRODA/MIR module, paper presented at Proc. SPIE Vol. 3221, p. 496-502, Sensors, Systems, and Next-Generation Satellites, Hiroyuki Fujisada; Ed. .
Arnold, G. T., M. F. Fitzgerald, J. S. Myers, P. S. Grant, S. E. Platnick, S. Tsay, M. D. King, R. O. Green, and L. Remer (1996), MODIS Airborne Simulator radiometric calibration, paper presented at Earth observing system; Proceedings of the Conference, Denver, CO; UNITED STATES; 3-6 Aug. 1996, , Society of Photo-Optical Instrumentation Engineers, Denver, CO.
Arrowsmith, J. R. (2005), Testing hypotheses about geologic processes in the Colorado Plateau-Basin and Range transition zone using an integrated geospatial data system; Geological Society of America, 2005 annual meeting, *Abstracts with Programs - Geological Society of America, 37*(7), 204.

Arrowsmith, J. R., G. R. Keller, L. Prashad, M. Diaz, W. L. Stefanov, C. Eisinger, M. Fouch, S. Reynolds, S. M. Richard, and P. A. Pearthree (2002), A geospatial data system for the transition between the Colorado Plateau and Basin and Range Provinces; an essential tool for basic and applied research in earth science and urban ecology; Geological Society of America, 2002 annual meeting, *Abstracts with Programs - Geological Society of America, 34*(6), 224.
Arsenault, K. R., A. Pinheiro, R. Stodt, D. Toll, and P. R. Houser (2006), Improving Drought Monitoring and Prediction Using LIS and Satellite Products.
Arvelyna Yessy and O. M. (2006), The Observation of SAR, Optical and Altimeter Data for Internal Wave Monitoring in Tsushima Strait.
Arvelyna, Y. and M. Oshima (2005), Preliminary study of internal wave effects to chlorophyll distribution in the lombok strait and adjacent areas, paper presented at Active and Passive Remote Sensing of the Oceans, Nov 8-9 2004, , International Society for Optical Engineering, Bellingham, WA 98227-0010, United States. 30

Arvelyna, Y. and M. Oshima (2005), Wavelet analysis for internal wave detection in ERS SAR and ASTER image data, paper presented at SICE Annual Conference 2005, Aug 8-10 2005, , Society of Instrument and Control Engineers (SICE), Tokyo, 113, Japan.
Arvelyna, Y. and M. Oshima (2006), The observation of SAR, optical and altimeter data to study the generation of internal wave in tsushima strait, paper presented at Symposium on 15 years of Progress in Radar Altimetry, Mar 13-18 2006, , European Space Agency, Noordwijk, 2200 AG, Netherlands, Venice, Italy.
Arvelyna, Y. and M. Oshima (2007), New application of wavelet transform for internal wave detection SAR and optical image: A case study in Japan waters, paper presented at OCEANS 2007 - Europe, , Institute of Electrical and Electronics Engineers Computer Society, Piscataway, NJ 08855-1331, United States.
Arvelyna, Y., M. Oshima, and Y. Arakawa (2005), Multi-satellite data observation for internal wave detection in southwest coast of Japan, paper presented at Active and Passive Remote Sensing of the Oceans, Nov 8-9 2004, , International Society for Optical Engineering, Bellingham, WA 98227-0010, United States.
Arvelyna, Y., M. Oshima, and T. Sumimoto (2006), The application of wavelet transform for oceanic feature detection in SAR and optical image, paper presented at Sixth International Symposium on Instrumentation and Control Technology: Signal Analysis, Measurement Theory, Photo-Electronic Technology, and Artificial Intelligence, , International Society for Optical Engineering, Bellingham WA, WA 98227-0010, United States, Beijing, China.
Arzhannikova, A. V. and S. G. Arzhannikov (2008), New data on paleoseismic dislocations in the Great Lakes basin, western Mongolia, *Doklady Earth Sciences, 418*(1), 1-4, doi:10.1134/S1028334X08010017.
ASAKA, T., H. NISHIKAWA, H. FUJII, K. KUDO, IWASHITA KEISHI, T. KONDO, and Y. Yamamoto (2006), Experimental Study on Evaluation of Digital Terrain Models by Mutual DEM Data of ASTER L3A01 Data Products. 31

Asaki, T., H. Fukasawa, Y. Ito, M. Furuno, H. Cho, and S. Sueoka (2004), Copper explorations based on a satellite -image analysis technique in Northern Chile: the recent results of exploration activity. *Shigen Chishitsu, 54*(1), 27-36.
Asano, S., Y. Nakayama, and D. Fukada (2005), Experimental integration analysis of satellite data and disaster maps of Mt. Fuji eruption.
Asefi, S., J. Li, U. S. Nair, D. K. Ray, R. M. Welch, N. Padilla, E. Barrios, and M. E. Benedict (2005), An integrated hydrological and atmospheric model to predict malaria epidemics, paper presented at 85th AMS Annual Meeting, American Meteorological Society - Combined Preprints, Jan 9-13 2005, , American Meteorological Society, Boston, MA 02108-3693, United States.
Asefi, S., J. Li, U. S. Nair, D. K. Ray, R. M. Welch, N. Padilla, E. Barrios, and M. E. Benedict (2005), An integrated hydrological and atmospheric model to predict malaria epidemics, paper presented at 85th AMS Annual Meeting, American Meteorological Society - Combined Preprints, Jan 9-13 2005, , American Meteorological Society, Boston, MA 02108-3693, United States.
Ashida, Y. (2002), Exploration and Exploitation of Conventional and New Energy Resources in Japan, *Shigen-to-Sozai, 118*(8), 536-545.

Asilo, S. L., E. C. Paringit, C. B. Casiwan, W. B. Collado, M. Mehdiyev, M. K. Hazarica, L. Samarakkon, and D. Kamthonkiat (2007), Fusion techniques for rice area maping using multitemporal Radarsat-1 images in Pangasinan and Nueva ECJA, paper presented at 28th Asian Conference on Remote Sensing 2007, ACRS 2007, November 12, 2007 - November 16, 2007, Kuala Lumpur, Malaysia, , Asian Association on Remote Sensing.
Aslett, Z. (2010), Evaluation of multi-scale hyperspectral reflectance and emittance image data for remote mineral mapping in northeastern Death Valley National Park, California and Oasis Valley, Nevada, 338. 32

Asner, G. P. and K. B. Heidebrecht (2002), Spectral unmixing of vegetation, soil and dry carbon cover in arid regions: Comparing multispectral and hyperspectral observations, *Int. J. Remote Sens., 23*(19), 3939-3958.
Asner, G. P., D. E. Knapp, A. Balaji, and G. Paez-Acosta (2009), Automated mapping of tropical deforestation and forest degradation: CLASlite, *Journal of Applied Remote Sensing, 3*, 033543, doi:10.1117/1.3223675.
Assiri, A., A. Alsaleh, and H. Mousa (2008), Massive sulphide deposits exploration useing ASTER image analysis, paper presented at 29th Asian Conference on Remote Sensing 2008, ACRS 2008, November 10, 2008 - November 14, 2008, Colombo, Sri Lanka, , Asian Association on Remote Sensing.
Assiri, A. and H. Mousa (2008), Using ASTER imagery for massive sulphide deposits exploration, paper presented at 2008 Microwaves, Radar and Remote Sensing Symposium, MRRS 2008, , Institute of Electrical and Electronics Engineers Computer Society.
Ata, H. A. (2008), A test of the validity of morphometric analysis in determining tectonic activity from ASTER derived DEMs in the Jordan-Dead Sea Transform zone, *DAI, 69*(05B), 220-2874.
Atsuko, N., M. Takurou, and M. Hitoshi (2005), Evaluating relationships between the damage of wildfire and vegetation distribution using terra/aster satellite data, paper presented at American Society for Photogrammetry and Remote Sensing - Annual Conference 2005 - Geospatial Goes Global: From Your Neighborhood to the Whole Planet, March 7, 2005 - March 11, 2005, Baltimore, MD, , American Society for Photogrammetry and Remote Sensing.
Atwood, D. K., F. Meyer, and A. Arendt (2010), Using L-band SAR coherence to delineate glacier extent, *Canadian Journal of Remote Sensing, 36*, S186-S195.
Auda Y, Blasco F, Gastellu-Etchegorry J P, Marty G, and D. C. (2002), Essai preliminaire de detection des champs d'ambroisie par teledetection spatiale; Preliminary studies of the 33

detection of Ambrosia populations by spatial remote sensing, *Rev. Fr. Allergol. Immunol. Clin., 42*, 533-538.
Auda, Y., F. Blasco, J. P. Gastellu-Etchegorry, G. Marty, and C. Dechamp (2002), Preliminary studies of the detection of Ambrosia populations by spatial remote sensing, *Revue Francaise D Allergologie Et D Immunologie Clinique, 42*(5), 533-538.
Audin, L., C. David, S. Hall, D. Farber, and G. Herail (2006), Geomorphic evidences of Recent tectonic activity in the fore-arc, southern Peru, *Revista de la Asociacion Geologica Argentina, 61*(4), 545-554.
Aung, T. T., Y. Okamura, K. Satake, W. Swe, T. L. Swe, H. Saw, and S. T. Tun (2006), Search For Paleoseismolgical Evidences Of Subduction-zone Earthquakes Along The Northwestern (Rakhine) Coast Of Myanmar, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
Avouac, J., F. Ayoub, S. Leprince, O. Konca, D. Helmberger, C. (. Prentice, W. (. Ellsworth, and P. (. Hellweg (2006), Surface ruptures and rupture kinematics of the 2005, Mw 7.6 Kashmir earthquake from sub-pixel correlation of ASTER images and seismic waveforms analysis; 2006 Annual meeting, Seismological Society of America; 100th anniversary earthquake conference, *Seismol. Res. Lett., 77*(2), 206.
Avouac, J. -., F. Ayoub, S. Leprince, O. Konca, and D. Helmberger (2006), Surface ruptures and rupture kinematics of the 2005, Mw 7.6 Kashmir earthquake from sub-pixel correlation of ASTER images and seismic waveforms analysis, paper presented at 100th Anniversary Earthquake Conference including the 8th U.S. National Conference on Earthquake Engineering (8NCEE), the SSA Centennial Meeting, and the OES Disaster Resistant California Conference; San Francisco, CA; USA; 18-22 Apr. 2006, , Earthquake Engineering Research Institute.
Avouac, J., F. Ayoub, S. Leprince, O. Konca, and D. V. Helmberger (2006), The 2005, M_w 7.6 Kashmir earthquake: Sub-pixel correlation of ASTER images and seismic waveforms analysis, *Earth Planet. Sci. Lett., 249*(3-4), 514-528. 34

Avtar, R., H. Sawada, and R. Suzuki (2012), Use of DEMs data to estimate height changes due to Deforestation, paper presented at 2012 IEEE International Geoscience and Remote Sensing Symposium (IGARSS), 22-27 July 2012, Munich, Germany, .
Aydin, G., L. Atatanir, and A. Yorulmaz (2012), Investigation and mapping of risk areas for harmful boron content and the relationship to salt and sodium content in soils of Soke Plain, Aydin, Turkey, *Archives of Agronomy and Soil Science, 58*, S232-S237, doi:http://dx.doi.org/10.1080/03650340.2012.698731.
Aynekulu, E., T. Kassawmar, and L. Tamene (2008), Applicability of ASTER imagery in mapping land use /cover as a basis for biodiversity studies in drylands of northern Ethiopia. *Afr. J. Ecol., 46*, 19-23.
Ayoub, F., S. Leprince, R. Binet, K. W. Lewis, O. Aharonson, and J. -. Avouac (2008), Influence of camera distortions on satellite image registration and change detection applications, paper presented at 2008 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2008, , IEEE.
Azad Hossain, A. K. M., G. Easson, and V. K. Boken (2006), Mapping spatial variation in surface moisture using reflective and thermal aster imagery for southern Africa, paper presented at Annual Conference of the American Society for Photogrammetry and Remote Sensing 2006: Prospecting for Geospatial Information Integration, ASPRS 2006, May 1, 2006 - May 5, 2006, Reno, NV, , American Society for Photogrammetry and Remote Sensing.
Azizi, H., M. A. Tarverdi, and A. Akbarpour (2010), Extraction of hydrothermal alterations from ASTER SWIR data from east Zanjan, northern Iran, *Advances in Space Research, 46*(1), 99-109, doi:10.1016/j.asr.2010.03.014.
Azizzadeh, M., S. Shahriari, and F. M. M. Alizadeh (2008), Fracture analysis of the Kuh-e Asmari Anticline using remote sensing techniques; a case study from Zagros Mountain, SW Iran, *International Journal of Geoinformatics, 4*(2), 43-50. 35

Baba Sosuke and M. M. (2003), Local heat environmental analysis from ASTER.
Babiker, M., M. Miles, O. Johannessen, and S. Sandven (2008), Solid-ice flux indicators from Petermann Glacier, North Greenland; interannual to decadal variability, *Geophysical Research Abstracts, 10*, @EGU2008-A-01203, doi:http://meetings.copernicus.org/www.cosis.net/abstracts/EGU2008/01203/EGU2008-A-01203.pdf.
Backus, D. H., C. S. Doctor, and M. E. Johnson (2007), The remote sensing of sand dunes in Baja Califonia, Mexico; Geological Society of America, Northeastern Section, 42nd annual meeting, *Abstracts with Programs - Geological Society of America, 39*(1), 41-42.
Backus, D. H., M. E. Johnson, and R. Riosmena-Rodriguez (2012), Distribution, Sediment Source, and Coastal Erosion of Fan-Delta Systems on Isla Cerralvo (Lower Gulf of California, Mexico), *J. Coast. Res., 28*(1), 210-224, doi:http://dx.doi.org/10.2112/11T-00011.1.
Bagan, H., P. J. Baruah, Q. Wang, and Y. Yasuoka (2007), Cropland Area Extraction in China with Multi-Temporal MODIS Data, *EOS Transactions, American Geophysical Union, 88*(52,).
Bagan, H., Q. Wang, M. Watanabe, S. Kameyama, and Y. Bao (2008), Land-cover classification using ASTER multi-band combinations based on wavelet fusion and SOM neural network, *Photogramm. Eng. Remote Sensing, 74*(3), 333-342.
Bagan, H., Q. Wang, Y. Yang, Y. Yasuoka, and Y. Bao (2007), Land cover classification using moderate resolution imaging spectrometer-enhanced vegetation index time-series data and self-organizing map neural network in Inner Mongolia, China, *Journal of Applied Remote Sensing, 1*(1), 013545.
Bagan, H., Q. Wang, Y. Yasuoka, and M. Watanabe (2006), Synergetic use of modis, aster, and landsat data for land cover classification in arid and semi-arid area of North China, paper presented at 27th Asian Conference on Remote Sensing, ACRS 2006, October 9, 2006 - October 13, 2006; Ulaanbaatar, Mongolia, , Asian Association on Remote Sensing. 36

Bagan, H. and Y. Yamagata (2010), Improved Subspace Classification Method for Multispectral Remote Sensing Image Classification, *Photogramm. Eng. Remote Sensing, 76*(11), 1239-1251.
BAGHDADI Nicolas, GRANDJEAN Gilles, LAHONDERE Didier, PAILLOU Philippe, and L. Y. (2005), Apport de l'imagerie satellitaire radar pour l'exploration geologique en zones arides; The contribution of radar satellite imagery to geological exploration in arid areas, *Comptes Rendus Geoscience, 337*, 719-728.
Baghdadi, N. and C. Oliveros (2007), Potential of ASAR /Envisat data for mud bank monitoring in French Guiana compared to ASTER imagery, *J. Coast. Res., 23*(6), 1509-1517.

Baghdadi, N., N. Gratiot, J. Lefebvre, C. Oliveros, and A. Bourguignon (2004), Coastline and mudbank monitoring in French Guiana; contributions of radar and optical satellite imagery, *Canadian Journal of Remote Sensing, 30*(2), 109-122.
Baghmar, N. K. and S. Mustak (2011), Morphometric analysis of Pairi River basin using remote sensing and GIS, paper presented at 32nd Asian Conference on Remote Sensing 2011, ACRS 2011, October 3, 2011 - October 7, 2011, Tapei, Taiwan, , Asian Association on Remote Sensing.
Bahri, E. M. (2007), Caracterisation spectrale de la degradation des milieux naturels en regions semi-arides, a partir des donnees ASTER: Cas du Moyen Atlas au Maroc, *MAI, 46*(05), 50-2618.
Bai, X., S. Tang, Q. Zhu, and Y. Shuai (2003), Study of Relation between Thermal Distribution and the Underground Medium in Urban Area, paper presented at 2003 IGARSS: Learning From Earth's Shapes and Colours, Jul 21-25 2003, , Institute of Electrical and Electronics Engineers Inc. 37

Bai, X., K. Xiong, Y. Li, and A. Lan (2006), Quantitative Research of the Space Dependence of Different Grades Rocky Desertification and the Factor of Population in Karst Mountain Area, *Journal of Mountain Science, 24*(2), 242-248.
Bai, X., K. Xiong, X. Su, and A. Lan (2005), THE ECOLOGICAL EFFECTS OF KARST ROCKY DESERTIFICATION LANDSCAPE AND LANDS--A Case Study in Zhenfeng County,Guizhou Province, *Carsologica Sinica, 24*(4), 276-281.
Bajo, J. V., B. Martinez-Hackert, C. D. Escobar, and R. E. Gutierrez (2009), Titan2D Based Pyroclastic Flows Hazard Maps for Santa Ana Volcano, El Salvador, *EOS Transactions, American Geophysical Union, 90*(22 Suppl.), V71B-06, doi:http://people.ucalgary.ca/~cguconf/CGU2009CD/html/V71B-06.html.
Bajo, J. V. and B. Martinez-Hackert (2009), Validating and comparing results from the Tungurahua Volcano case study using TITAN 2D simulation and ASTER image, paper presented at Association of American Geographers 2009 annual meeting, Las Vegas, NV, United States, March 22-27, 2009, , Association of American Geographers, Washington, DC, United States (USA).
Bajracharya, B., K. Uddin, N. Chettri, B. Shrestha, and S. A. Siddiqui (2010), Understanding Land Cover Change Using a Harmonized Classification System in the Himalaya A Case Study From Sagarmatha National Park, Nepal, *Mountain Research and Development, 30*(2), 143-156, doi:10.1659/MRD-JOURNAL-D-09-00044.1.
Balamurugan, G., S. Rajendran, and V. Tirukumaran (2010), Impacts of climate, topograpy and weathearing profile on hydrogeology and water resources assesment in semi-arid terrain. Using earth observation -1 ALI, ASTER-DEM and GIS techniques, *International Journal of Geomatics and Geosciences, 1*(2), 119-130.
Balandis, V. and I. Zolnikov (2004), GIS-modeling of geological and hydrogeochemical features of Uronai ore unit, *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 32, Part 1*, 547. 38

Balasubramani, K. and K. Kumaraswamy (2013), Application of Geospatial Technology and Information Value Technique in Landslide Hazard Zonation Mapping: A Case Study of Giri Valley, Himachal Pradesh, *Disaster Advances, 6*(1), 38-47, doi:http://www.disasterjournal.net/disaster_back_issue/disas_2013_1/6.pdf.
Baldridge, A. M., S. J. Hook, C. I. Grove, and G. Rivera (2009), The ASTER spectral library version 2.0, *Remote Sens. Environ., 113*(4), 711-715.
Baldridge, A. M., J. D. Farmer, and J. E. Moersch (2001), Confirmation of Spectrally Interpreted Mineralogy of Badwater Basin, Death Valley, CA: Applications to Identification of Evaporite Minerals on the Martian Surface, paper presented at General Meeting of the NASA Astrobiology Insititute; 01 Apr. 2001, .
Baldridge, A. M., J. D. Farmer, and J. E. Moersch (2004), Mars remote-sensing analog studies in the Badwater Basin, Death Valley, California, *Journal of Geophysical Research.E.Planets, 109*(E12), 5, doi:10.1029/2004JE002315.
Baldridge, A. M., J. D. Farmer, J. E. Moersch, and E. M. (. Goolish (2001), Confirmation of spectrally interpreted mineralogy of Badwater Basin, Death Valley, CA; applications to identification of evaporite minerals on the Martian surface, *Astrobiology, 1*(3), 357-358.
Balick, L. and A. Gillespie (2001), Multiscale thermal-infrared measurements of the mauna loa caldera, hawaii, *DE2001-776327;LA-UR-01-1570*, 1-8.

Balick, L., A. Gillespie, E. Abbott, D. Sabol, A. Kahle, C. Borel, and M. Pendergast (2001), Multiscale thermal-infrared measurements of the Mauna Loa caldera, Hawai'i, paper presented at Algorithms for Multispectral, Hyperspectral, and Ultraspectral Imagery VII, Apr 16-19 2001, , Society of Photo-Optical Instrumentation Engineers.
Balick, L. K., A. P. Rodger, and W. B. Clodius (2004), Multispectral Thermal Imager Land Surface Temperature Retrieval Framework, paper presented at Remote Sensing for 39

Agriculture, Ecosystems, and Hydrology V, Sep 8-10 2003, , International Society for Optical Engineering, Bellingham, WA 98227-0010, United States.
Bamber, J. (2006), Remote sensing in glaciology, in *Glacier science and environmental change,* , edited by P. G. Knight, United Kingdom (GBR), Blackwell Publishing, Oxford, United Kingdom (GBR).
Baraer, M., B. G. Mark, and J. M. McKenzie (2011), Past peak water in Peru's Cordillera Blanca: diagnosing the demise of glacier influence on stream discharge, *American Geophysical Union Fall Meeting, 2011*, Abstract C33F-08, doi:http://www.agu.org/cgi-bin/SFgate/SFgate?language=English&verbose=0&listenv=table&application=fm11&convert=&convert hl=&refinequery=&formintern=&formextern=&transquery=past%20peak%20water&_lines=&multiple =0&descriptor=%2fdata%2fepubs%2fwais%2findexes%2ffm11.
Baral, D. J., R. P. Singh, and C. M. (. Knox-Robinson (2004), Using remote sensing and DEM data in iron ore prospecting; SEG 2004; Predictive mineral discovery under cover; SEG conference and exhibition; extended abstracts, *Publication - Geology Department and Extension Service, University of Western Australia, 33*, 403.
Baral, D. J. and R. P. Singh (2004), Use of remote sensing, DEM and geoexploration data for iron ore prospecting; Italia 2004; 32nd international geological congress; abstracts, *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 32*, 1324-1325.
Baraldi, A., L. Durieux, D. Simonetti, G. Conchedda, F. Holecz, and P. Blonda (2010), Automatic Spectral Rule-Based Preliminary Classification of Radiometrically Calibrated SPOT-4/-5/IRS, AVHRR/MSG, AATSR, IKONOS/QuickBird/OrbView/GeoEye, and DMC/SPOT-1/-2 Imagery-Part II: Classification Accuracy Assessment, *IEEE Trans. Geosci. Remote Sens., 48*(3), 1326-1354, doi:10.1109/TGRS.2009.2032064. 40

Baraldi, A., V. Puzzolo, P. Blonda, L. Bruzzone, and C. Tarantino (2006), Automatic spectral rule-based preliminary mapping of calibrated landsat TM and ETM+ images, *IEEE Trans. Geosci. Remote Sens., 44*(9), 2563-2585.
Barbagallo, S., S. Consoli, G. D'Urso, R. G. Gaggia, and A. Toscano (2004), Remote sensing of crop water requirements in orange orchards using high spatial resolution sensors, paper presented at Remote Sensing for Agriculture, Ecosystems, and Hydrology V, Sep 8-10 2003, , International Society for Optical Engineering, Bellingham, WA 98227-0010, United States, Barcelona, Spain.
Barcaza, G., M. Aniya, T. Matsumoto, and T. Aoki (2009), Satellite-Derived Equilibrium Lines in Northern Patagonia Icefield, Chile, and Their Implications to Glacier Variations, *Arctic Antarctic and Alpine Research, 41*(2), 174-182, doi:10.1657/1938-4246-41.2.174.
Barianto, D. H., L. D. Setijadji, and K. Watanabe (2007), Improving Geological Map of Soil Covered Area in Yogyakarta Region by Using FTIR and ASTER Image, Response to 2006 Earthquake, *EOS Transactions, American Geophysical Union, 88*(23 Joint Assembly; Suppl.), Abstract GS23B-05.
Barker, A. D. and B. Hallet (2010), Thinning of glaciers in the Khumbu Himal from 1955 to 2008, *U.S. Geological Survey Open File Report, OF 2010-1099*, @unpaginated.
Barr, I. D. and C. D. Clark (2012), Late Quaternary glaciations in Far NE Russia; combining moraines, topography and chronology to assess regional and global glaciation synchrony, *Quaternary Science Reviews, 53*, 72-87, doi:http://dx.doi.org/10.1016/j.quascirev.2012.08.004.
Barr, I. D. and C. D. Clark (2012), An updated moraine map of Far NE Russia, *Journal of Maps, 8*(4), 431-436, doi:http://dx.doi.org/10.1080/17445647.2012.726931.
Barrand, N. E. and T. Murray (2006), Multivariate controls on the incidence of glacier surging in the Karakoram Himalaya, *Arct. Antarct. Alp. Res., 38*(4), 489-498. 41

Barras, J. A., J. C. Brock, R. A. Morton, and L. J. Travers (2010), Remotely sensed imagery revealing the effects of Hurricanes Gustav and Ike on coastal Louisiana, 2008, *U.S.Geological Survey Data Series, DS-0566*.

Barreto, A., M. Arbelo, L. Nuez-Casillas, P. Hernandez-Leal, A. Gonzalez-Calvo, and A. Alonso-Benito (2009), Recovering spectral emissivity with ASTER-thermal data from Tenerife Island, paper presented at Geoscience and Remote Sensing Symposium,2009 IEEE International,IGARSS 2009, , IEEE, Cape Town, South Africa.
Barreto, A., M. Arbelo, P. A. Hernandez-Leal, L. Nunez-Casillas, M. Mira, and C. Coll (2010), Evaluation of Surface Temperature and Emissivity Derived from ASTER Data: A Case Study Using Ground-Based Measurements at a Volcanic Site, *J. Atmos. Ocean. Technol., 27*(10), 1677-1688, doi:10.1175/2010JTECHA1447.1.
Barreto-Neto, A. A. and C. R. de Souza Filho (2008), Application of fuzzy logic to the evaluation of runoff in a tropical watershed, *Environmental Modelling and Software, 23*(2), 244-253.
Bartholy, J., R. Pongracz, and Z. Dezso (2003), Application of satellite information to urban climatology (2003 - 12SATMET).
Bartl, N., B. Bretis, B. Grasemann, and D. Lockhart (2010), Non-cylindrical fold growth in the Zagros fold and thrust belt (Kurdistan, NE-Iraq), *Geophysical Research Abstracts, 12*, EGU2010-6462.
Barton, D. C. and J. P. Evans (2010), Analysis of paleo-migration of CO (sub 2) using satellite imagery, correlation of geophysical and field data in an effort to determine top seal integrity, with implications for CO (sub 2) sequestration, *Abstracts with Programs - Geological Society of America, 42*(5), 112, doi:https://gsa.confex.com/gsa/2010AM/finalprogram/abstract_180629.htm. 42

Basayigit, L., M. Akgul, and H. Senol (2009), Estimation of Different Soil Properties by Using Reflectance Values of TERRA-ASTER Bands, *Asian Journal of Chemistry, 21*(2), 1137-1144.
Bass, L. and V. Kuznetsov (2007), The behaviour of cloud and clear sky brightness in the vicinity of the cloud edge, *EOS Transactions, American Geophysical Union, 88*(52,; Suppl. Volume 1-2).
Basuki, A., T. Harsono, and K. Arai (2009), Modeling and Simulation of Hot Mudflow Movement Prediction Using Cellular Automata, paper presented at Third Asia International Conference on Modelling & Simulation, 2009. Asia Modelling Symposium 2009 (AMS '09), , IEEE Computer Society, Bandung/Bali, Indonesia.
Bawazir, A. S., M. P. Bleiweiss, Z. A. Samani, C. Almy, and T. Schmugge (2005), ASTER Observations of Water Surface Temperature for Elephant Butte Reservoir in New Mexico, *41*, 0393.
Bawazir, A. S., Z. Samani, M. Bleiweiss, R. Skaggs, and T. Schmugge (2009), Using ASTER satellite data to calculate riparian evapotranspiration in the Middle Rio Grande, New Mexico, *Int. J. Remote Sens., 30*(21), 5593-5603, doi:10.1080/01431160802695683.
Bawazir, S., Z. Samani, T. Schmugge, M. Bleiweiss, R. Skaggs, and M. MacIas (2007), Estimating riparian et through remote sensing in the middle Rio Grande, paper presented at World Environmental and Water Resources Congress 2006: Examining the Confluence of Environmental and Water Concerns, May 21, 2006 - May 25, 2006, Omaha, NE, , American Society of Civil Engineers (ASCE).
Bax, G., M. Searle, and J. Frankelius (2008), The new digital geological map of Mt. Everest; based on field work and remote sensing, *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 33*, Abstract 1345123.
Bayraktar, H. and B. Bayram (2007), Monitoring irrigation areas using ASTER/TERRA images: Diyarbakir, paper presented at American Society for Photogrammetry and Remote Sensing, 43

ASPRS Annual Conference 2007: Identifying Geospatial Solutions, May 7, 2007 - May 11, 2007, Tampa, FL, , American Society for Photogrammetry and Remote Sensing.
Bayraktar, H. and B. Bayram (2009), Fuzzy logic analysis of flood disaster monitoring and assessment of damage in se anatolia turkey, paper presented at 4th International Conference on Recent Advances in Space Technologies 2009, RAST '09, June 11, 2009 - June 13, , IEEE Computer Society.
Beaulieu, A., H. Gaonac'h, and S. Lovejoy (2007), Anisotropic scaling of remotely sensed drainage basins: the differential anisotropy scaling technique, *Nonlinear Processes in Geophysics, 14*(4), 337-350.
Beaulieu, A. (2004), Proprietes invariantes d'echelle et anisotropes de morphologies d'erosion fluviatile. Scale-invariant and anisotropic properties of fluvial erosion morphologies,.
Beaulieu, A. (2004), Scaling and anisotropic properties of erosional landforms (French text), *DAI, 66*(05B), 132-2468.
Beaulieu, A. and H. Gaonach (2002), Investigation of anisotropy over the Ethiopian Plateau with remote sensing data; a scale by scale study of the anisotropy with fast Fourier transform and 2D structure function, *EOS Trans. Am. Geophys. Union, 83*(47), 650.

Beck, H., G. Salvini, J. Schellekens, S. Bruijnzeel, and R. De Jeu (2009), Hydrological impacts of land cover change in the Dragonja catchment (Slovenia), paper presented at Remote Sensing for Agriculture, Ecosystems, and Hydrology XI, September 1, 2009 - September 3, , SPIE, Berlin, Germany.
Beck, P. S. A., E. Kalmbach, D. Joly, A. Stien, and L. Nilsen (2005), Modelling local distribution of an Arctic dwarf shrub indicates an important role for remote sensing of snow cover, *Remote Sens. Environ., 98*(1), 110-121. 44

Becker, D. B., A. Milewski, M. Sultan, and R. Becker (2009), A Web-based GIS vehicle for the assessment of groundwater potential in arid lands; case studies from Eastern Desert of Egypt and the Sinai Peninsula, *Abstracts with Programs - Geological Society of America, 41*(7), 578.
Becker, D. B., M. Sultan, R. Becker, A. Milewski, F. Soliman, A. W. Abdeldayem, R. Balekai, and M. Rashed (2007), An integrated approach for the assessment of the renewable ground water resources of Sinai, Egypt, *Abstracts with Programs - Geological Society of America, 39*(6), 482-483.
Becker, M. W. and A. Daw (2005), Influence of lake morphology and clarity on water surface temperature as measured by EOS ASTER, *Remote Sens. Environ., 99*(3), 288-294.
Bedell, R. (2001), Geological mapping with the ASTER Satellite; new global satellite data that is a significant leap in remote sensing geologic and alteration mapping; Regional tectonics and structural control of ore; the major gold trends of northern Nevada; proceedings and field trip guide [modified], *Special Publication - Geological Society of Nevada, 33*, 329-333.
Bedell, R. (2004), Remote sensing in mineral exploration, *SEG Newsletter, 58*, 1-13.
Bedell, R. (2009), Remote sensing in mineral exploration, *Reviews in Economic Geology, 16*, 3-10.
Bedell, R. L. (2001), ASTER satellite remote sensing; a significant leap in factual geologic mapping; Geological Society of America, 2001 annual meeting, *Abstracts with Programs - Geological Society of America, 33*(6), 348.
Bedini, E. (2011), Mineral mapping in the Kap Simpson complex, central East Greenland, using HyMap and ASTER remote sensing data, *Advances in Space Research, 47*(1), 60-73, doi:10.1016/j.asr.2010.08.021.
Beekhuizen, J. and K. C. Clarke (2010), Toward accountable land use mapping: Using geocomputation to improve classification accuracy and reveal uncertainty, *International* 45

Journal of Applied Earth Observation and Geoinformation, 12(3), 127-137, doi:10.1016/j.jag.2010.01.005.
Beeson, P. C., D. A. Miller, and C. J. Duffy (2011), Identifying ephemeral and perennial stream reaches using apparent thermal inertia of an ungauged basin in Central New Mexico, *Geocarto Int., 26*(3), 183-194, doi:http://dx.doi.org/10.1080/10106049.2011.553290.
Beeson, P. C. (2009), Integrated hydrologic modeling in an ungauged ephemeral watershed; Rio Salado, New Mexico, doi:https://etda.libraries.psu.edu/paper/9339/.
Belward, A. S., H. J. Stibig, H. Eva, F. Rembold, T. Bucha, A. Hartley, R. Beuchle, D. Khudhairy, M. Michielon, and D. Mollicone (2007), Mapping severe damage to land cover following the 2004 Indian Ocean tsunami using moderate spatial resolution satellite imagery, *Int. J. Remote Sens., 28*(13), 2977-2994.
Benedix, G. K. and V. E. Hamilton (2007), Infrared (2.5 to 14mu M) reflectance microspectroscopy of meteoritic minerals in thin section, *Abstracts of Papers Submitted to the Lunar and Planetary Science Conference, 38*, @Abstract 1805.
Benger, S. N. (2003), Remote Sensing of Vegetation Surrogates for Regolith Landform Mapping, paper presented at 2003 IGARSS: Learning From Earth's Shapes and Colours, Jul 21-25 2003, , Institute of Electrical and Electronics Engineers Inc.
Benger, S. N. (2008), Remote sensing of ecological responses to changes in the hydrological cycles of the tonle sap, Cambodia, paper presented at 2007 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2007, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Benn, D., J. Gulley, and S. S. Thompson (2011), Englacial drainage systems in Himalayan debris-covered glaciers, and implications for supraglacial lake evolution, *American Geophysical Union Fall Meeting, 2011*, Abstract C53E-0720, doi:http://www.agu.org/cgi-bin/SFgate/SFgate?language=English&verbose=0&listenv=table&application=fm11&convert=&46

converthl=&refinequery=&formintern=&formextern=&transquery=an%3dc53e&_lines=&multiple=0&descriptor=%2fdata%2fepubs%2fwais%2findexes%2ffm11%2ffm11%7c.
Benoit, C., C. Otte, B. Boudevillan, C. Guerin, B. De Solan, D. Boisgontier, O. Deudon, J. Testud, E. Moreau, E. Lebouar, and A. Olioso (2008), Use of geostationary satellite thermal infrared data to monitor surface exchanges at local scale over heterogeneous landscape: Application to Meteosat 8 data, paper presented at 2007 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2007, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Benoit, S., W. Christelle, and d. Nicolas (2010), A new map of the lava flow field of Nyamulagira (D.R. Congo) from satellite imagery, *J. Afr. Earth Sci., 58*(5), 778-786, doi:10.1016/j.jafrearsci.2010.07.005.
Bentz, C. M., A. T. Politano, P. Genovez, J. A. Lorenzzetti, and M. Kampel (2008), The contribution of ASTER, CBERS, R99/SIPAM e OrbiSAR-1 data to improve the oceanic monitoring - An example of oil and frontal eddy detection, paper presented at 2007 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2007, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Berendes, T., S. K. Sengupta, R. M. Welch, B. A. Wielicki, and M. Navar (1992), Cumulus cloud based height estimation from high spatial resolution Landsat data: A Hough transform approach, *IEEE Trans. Geosci. Remote Sens., 30*(3), 430-443.
Bergmann, M., R. Hoff, and J. R. Ducati (2008), Espectrorradiometria e processamento de imagem ASTER para validacao de dados geologicos e de solos como contribuicao ao estabelecimento de terroirs na "Metade Sul" (RS, Brasil). Radiospectrometry and ASTER image processing to validate soil and geologic data for the development of terroirs in the "Southern Half" (Rio Grande do Sul, Brazil), paper presented at Sociedade Brasileira de Geologia; 44 degrees congresso, Curitiba, Brazil, Oct. 26-31, 2008/ Geological Society of Brazil; annals of the 44th congress, , Sociedade Brasileira de Geologia, Porto Alegre, Brazil (BRA). 47

Berk, A. (2008), Analytically derived conversion of spectral band radiance to brightness temperature, *Journal of Quantitative Spectroscopy and Radiative Transfer, 109*(7), 1266-1276.
Berking, J., J. Meister, B. Ullrich, M. Schott, G. Kaufmann, and B. Schuett (2011), Geoarchaeological Methods for Landscape Reconstruction at the Excavation Site of Naga, Central Sudan, *Erde, 142*(3), 289-313, doi:http://die-erde.de/DIE-ERDE_2011-3_Berking-S.pdf.
Bernardin, T., E. Cowgill, R. D. Gold, B. Hamann, O. Kreylos, and A. Schmitt (2006), Interactive Mapping on Virtual Terrain Models Using RIMS (Real-time, Interactive Mapping System), *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
Berry, J., C. Dacre, A. Lundgren, E. Demyanick, and D. Coulter (2008), Stepwise processing and photointerpretation; keys in using ASTER imagery for mineral indications of hydrocarbon microseepage, *Abstracts: Annual Meeting - American Association of Petroleum Geologists, 2008*, #90078.
Berthier, E. and T. Toutin (2008), SPOT5-HRS digital elevation models and the monitoring of glacier elevation changes in North-West Canada and South-East Alaska, *Remote Sens. Environ., 112*(5), 2443-2454.
Berthier, E., H. Vadon, D. Baratoux, Y. Arnaud, C. Vincent, K. L. Feigl, F. Remy, and B. Legresy (2005), Surface motion of mountain glaciers derived from satellite optical imagery, *Remote Sens. Environ., 95*(1), 14-28.
Berthier, E., Y. Arnaud, R. Kumar, S. Ahmad, P. Wagnon, and P. Chevallier (2007), Remote sensing estimates of glacier mass balances in the Himachal Pradesh (Western Himalaya, India), *Remote Sens. Environ., 108*(3), 327-338. 48

Berthier, E., E. Schiefer, G. K. C. Clarke, B. Menounos, and F. Remy (2010), Contribution of Alaska glaciers to sea-level rise derived from satellite imagery, *Nature Geoscience, 3*(2), 92-95, doi:10.1038/NGEO737.
Berthier, E., C. A. Shuman, and T. A. Scambos (2011), Continuing mass losses of Larsen B tributary glaciers (Antarctic Peninsula) during 2006-2011, *American Geophysical Union Fall Meeting, 2011*, Abstract C41E-0479.

Bertoldi, L., M. Massironi, D. Visona, R. Carosi, C. Montomoli, F. Gubert, G. Naletto, and M. G. Pelizzo (2011), Mapping the Buraburi granite in the Himalaya of Western Nepal: Remote sensing analysis in a collisional belt with vegetation cover and extreme variation of topography, *Remote Sensing of Environment, 115*(5), 1129-1144, doi:http://dx.doi.org/10.1016/j.rse.2010.12.016.
Bertoldi, W., N. A. Drake, and A. M. Gurnell (2011), Interactions between river flows and colonizing vegetation on a braided river: exploring spatial and temporal dynamics in riparian vegetation cover using satellite data, *Earth Surf. Process. Landforms, 36*(11), 1474-1486, doi:10.1002/esp.2166.
Besler, H., A. Bolten, O. Bubenzer, A. Hilgers, and A. J. van Loon (2008), *The Great Sand Sea in Egypt; formation, dynamics and environmental change; a sediment-analytical approach*, vol. 59, , Elsevier, Amsterdam-Oxford-New York, Netherlands (NLD), Netherlands (NLD).
Beukelman, G. S. (2004), Studies of Quaternary faulting along the southern margin of the western Snake River plain, Idaho using remote sensing and GIS; Geological Society of America, Rocky Mountain Section, 56th annual meeting; Geological Society of America, Cordilleran Section, 100th annual meeting, *Abstracts with Programs - Geological Society of America, 36*(4), 78-79.
Bhambri, R., T. Bolch, and R. K. Chaujar (2011), Mapping of debris-covered glaciers in the Garhwal Himalayas using ASTER DEMs and thermal data, *Int. J. Remote Sens., 32*(23), 8095-8119, doi:10.1080/01431161.2010.532821. 49

Bhambri, R. and T. Bolch (2009), Glacier mapping: a review with special reference to the Indian Himalayas, *Prog. Phys. Geogr., 33*(5), 672-704, doi:10.1177/0309133309348112.
Bhambri, R., T. Bolch, R. K. Chaujar, and S. C. Kulshreshtha (2011), Glacier changes in the Garhwal Himalaya, India, from 1968 to 2006 based on remote sensing, *J. Glaciol., 57*(203), 543-556.
Bhattarai, K., D. Conway, and M. Yousef (2009), Determinants of deforestation in Nepal's Central Development Region, *J. Environ. Manage., 91*(2), 471-488, doi:10.1016/j.jenvman.2009.09.016.
Bianchetti, R. A. and J. P. Fairley (2007), Mineral pattern identification at two hydrothermal areas using ASTER data, *Abstracts with Programs - Geological Society of America, 39*(6), 167.
Biggar, S. F., P. N. Slater, and D. I. Gellman (1994), Uncertainties in the in-flight calibration of sensors with reference to measured ground sites in the 0.4-1.1 μm range, *Remote Sens. Environ., 48*(2), 245-252.
Biggar, S. F. and P. N. Slater (1993), Prefiight cross-calibration radiometer for Eos AM-1 platform visible and near-IR sources, paper presented at Sensor systems for the early earth observing system platforms; Proceedings of the Conference, Orlando, FL; UNITED STATES; 13-14 Apr. 1993, , Bellingham.
Biggar, S. F., K. J. Thome, J. T. McCorkel, and J. M. D'Amico (2005), Vicarious calibration of the ASTER SWIR sensor including crosstalk correction, paper presented at Earth Observing Systems X, Jul 31-Aug 2 2005, , International Society for Optical Engineering, Bellingham WA, WA 98227-0010, United States, San Diego, CA.
Biggar, S. F., K. J. Thome, P. R. Spyak, and E. F. Zalewski (1999), Solar-radiation based calibration in the range 740 to 2400 nm, paper presented at Sensors, Systems, and Next-Generation Satellites III, Sep 20-Sep 23 1999, , Society of Photo-Optical Instrumentation Engineers, Bellingham, WA, USA, Florence, Italy. 50

Bindschadler, R. and P. Vornberger (2005), Guiding the South Pole Traverse with ASTER imagery, *J. Glaciol., 51*(172), 179-180.
Binyan, Y., F. Wenjie, TaoXin, and XuXiru (2008), Study on urban heat island of Beijing using ASTER data: A quantative remote sensing perspective, paper presented at IGARSS 2008 - 2008 IEEE International Geoscience and Remote Sensing Symposium, , IEEE.
Biro, K., B. Pradhan, M. Buchroithner, and F. Makeschin (2013), Land Use/Land Cover Change Analysis And Its Impact On Soil Properties In The Northern Part Of Gadarif Region, Sudan, *Land Degrad. Dev., 24*(1), 90-102, doi:http://dx.doi.org/10.1002/ldr.1116.
Bishop, C. (2008), Hyperspectral image analysis for mineral exploration in Pulang, Yunnan Province, China, *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 33*, @Abstract 1322939, doi:http://www.cprm.gov.br/33IGC/1322939.html.
Bishop, C. A., J. G. Liu, and P. J. Mason (2011), Hyperspectral remote sensing for mineral exploration in Pulang, Yunnan Province, China, *Int. J. Remote Sens., 32*(9), 2409-2426, doi:10.1080/01431161003698336.

Bishop, M. P. and J. F. Shroder (2005), Field and satellite observations of supra-glacial lake fluctuations on the Baltoro Glacier, Karakoram Himalaya, Pakistan, *EOS Trans. Am. Geophys. Union, 86*(52, SUPPL.), @Abstract H21A-1314.
Bishop, M. P., J. F. Shroder, H. N. Bulley, U. K. Haritashya, and J. A. Olsenholler (2006), Glacier Downwasting-Altitude Patterns in the Western Himalaya, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
Bishop, M. (2004), Concepts of landscape evolution illustrated by ASTER digital data; Mount Elephant-Terrinallum Volcano, Newer Volcanic Province, Victoria; Dynamic Earth; past, present and future, *Abstracts - Geological Society of Australia, 73*, 253. 51

Bishop, M. P. and J. F. Shroder (2011), Geomorphometric analysis of topography for understanding alpine glacier dynamics in The Himalaya, *Abstracts with Programs - Geological Society of America, 43*(5), 64, doi:https://gsa.confex.com/gsa/2011AM/finalprogram/abstract_193171.htm.
Bishop, M. P. and J. F. Shroder Jr (2009), Glacier response to climate forcing in the Karakoram Himalaya, Pakistan, paper presented at Association of American Geographers 2009 annual meeting, Las Vegas, NV, United States, March 22-27, 2009, , Association of American Geographers, Washington, DC, United States (USA).
Bishop, M. P., J. F. Shroder Jr, U. K. Haritashya, and H. N. N. Bulley (2007), Remote sensing and GIS for alpine glacier change detection in the Himalaya, in *Mountains witnesses of global changes; research in the Himalaya and Karakoram; SHARE-Asia project,* , vol. 10, edited by R. Baudo et al, pp. 209-234.
Bishop, M. P., J. F. Shroder, U. K. Haritashya, H. N. N. Bulley, and J. A. Olsenholler (2007), Glacier fluctuations in the Nanga Parbat Himalaya, Pakistan, paper presented at Earth; our changing planet; proceedings of IUGG XXIV general assembly, Perugia, ITA, Italy, July 2-13, 2007, , IUGG, [location varies], International (III).
Bishop, M. and W. Abdalati (2004), Climate and Glaciers: Assessing with ASTER Data,.
Bistacchi, A., N. Bucceri, G. Dal Piaz, G. Dal Piaz, M. Massironi, B. Monopoli, and A. Schiavo (2004), Interpretation and processing of Aster data for geological mapping of Precambrian units in the eastern Anti-Atlas (Morocco), *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 32, Part 2*, 940.
Bitelli, G., P. V. Curzi, and E. Mandanici (2009), Morphological and lithological aspects in the northeastern Libyan desert by remote sensing, paper presented at Remote Sensing for Environmental Monitoring, GIS Applications, and Geology IX, August 31, 2009 - September 3, , SPIE, Berlin, Germany. 52

Bitelli, G. and L. Gusella (2008), Remote sensing satellite imagery and risk management; image based information extraction, *WIT Transactions on Information and Communication Technologies, 39*, 149-158, doi:10.2495/RISK080161.
Blackett, M. and M. J. Wooster (2011), Evaluation of SWIR-based methods for quantifying active volcano radiant emissions using NASA EOS-ASTER data, *Geomatics, Natural Hazards and Risk, 2*(1), 51-78.
Blackwell, W. J. (2004), A neural network technique for atmospheric compensation and temperature/emissivity separation using LWIR/MWIR hyperspectral data, paper presented at Algorithms and Technologies for MultiSpectral, Hyperspectral, and Ultraspectral Imagery X, Apr 12-15 2004, , International Society for Optical Engineering, Bellingham, WA 98227-0010, United States.
Blanchard, S. D., J. Rogan, and D. W. Woodcock (2010), Geomorphic Change Analysis Using ASTER and SRTM Digital Elevation Models in Central Massachusetts, USA, *GIScience & Remote Sensing, 47*(1), 1-24, doi:10.2747/1548-1603.47.1.1.
Blanco, P. D., G. I. Metternicht, and H. F. Del Valle (2009), Improving the discrimination of vegetation and landform patterns in sandy rangelands: a synergistic approach, *Int. J. Remote Sens., 30*(10), 2579-2605, doi:10.1080/01431160802552785.
Bland, M., J. Dehn, and K. Dean (2001), Thermal Time Series of the 2000 Eruption of Bezymianny Volcano, an Attempt at Thermal Interferometry, *42*, 1034.
Blaszczyk, M., J. A. Jania, and J. O. Hagen (2009), Tidewater glaciers of Svalbard: Recent changes and estimates of calving fluxes, *Polish Polar Research, 30*(2), 85-142.
Blinn, C. E., R. H. Wynne, J. M. Galbraith, D. Howell, and C. Houdeshell (2008), Exploration and development of ASTER indices for use in digital soils mapping, *Abstracts with Programs - Geological Society of America, 40*(6), 60. 53

Blom, R. G., D. C. Comer, A. Yatsko, D. Holcomb, and B. F. Byrd (2003), Progress on application of airborne radar and GIS to San Clemente Island archaeology; Geological Society of America, 2003 annual meeting, *Abstracts with Programs - Geological Society of America, 35*(6), 100.
Blome, C. D. and D. V. Smith (2010), Geology of the Chickasaw National Recreation Area, south-central Oklahoma; a multidisciplinary geologic approach, *Abstracts with Programs - Geological Society of America, 42*(5), 562-562.
Bo, C. (2007), Clay information extraction based on SAM of ASTER SWIR image, paper presented at 28th Asian Conference on Remote Sensing 2007, ACRS 2007, November 12, 2007 - November 16, 2007, Kuala Lumpur, Malaysia, , Asian Association on Remote Sensing.
Boaz, R. I. (2006), PQLX: A Software Tool to Evaluate Seismic Station Performance, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
Boccardo, P., E. B. Mondino, and F. G. Tonolo (2003), Urban areas classification tests using high resolution pan-sharpened satellite images, paper presented at 2nd GRSS/ISPRS Joint Workshop on Remote Sensing and Data Fusion over Urban Areas. URBAN 2003, 22-23 May 2003, , IEEE.
Boger, R. A. and N. Sultana (2010), Watershed modeling in Nigeria using ArcSWAT; building sustainability through community involvement, *Abstracts with Programs - Geological Society of America, 42*(5), 271.
Bohannon, R. G. (2009), Afghanistan, a dangerous, mysterious land whose geology is poorly known; new geologic-mapping philosophies shed light on how this complex terrane was assembled, *Abstracts with Programs - Geological Society of America, 41*(7), 279.
Bohme, B., F. Steinbruch, R. Gloaguen, H. Heilmeier, and B. Merkel (2006), Geomorphology, hydrology, and ecology of Lake Urema, central Mozambique, with focus on lake extent changes, *Phys. Chem. Earth, 31*(15-16), 745-752. 54

Boken, V. K. and G. L. Easson (2005), Modeling Groundwater Depth in the Mississippi Delta Using Weather and ASTER Satellite Data, *EOS Transactions, American Geophysical Union, 34*, 02.
Bolch, T. (2007), Climate change and glacier retreat in northern Tien Shan (Kazakhstan, *Global Planet. Change, 56*(1-2), 1-12.
Bolch, T., M. F. Buchroithner, J. Peters, M. Baessler, and S. Bajracharya (2008), Identification of glacier motion and potentially dangerous glacial lakes in the Mt. Everest region/Nepal using spaceborne imagery, *Natural Hazards and Earth System Sciences, 8*(6), 1329-1340.
Bolch, T., M. F. Buchroithner, T. Pieczonka, and M. Baessler (2008), Glacier change and glacial lake formation in Khumbu Himalaya using digital elevation models and satellite data, *Geophysical Research Abstracts, 10*, EGU2008-A-10508.
Bolch, T., B. Menounos, and R. Wheate (2008), Remotely-sensed Western Canadian glacier inventory 1985-2005 and regional glacier recession rates, *Geophysical Research Abstracts, 10*, EGU2008-A-10403.
Bolch, T., T. Pieczonka, and D. I. Benn (2011), Multi-decadal mass loss of glaciers in the Everest area (Nepal Himalaya) derived from stereo imagery, *Cryosphere, 5*(2), 349-358, doi:10.5194/tc-5-349-2011.
Bolch, T. (2007), Analysis of glacier recession in northern Tien Shan in the last 50 years using GIS and remote sensing, paper presented at Earth; our changing planet; proceedings of IUGG XXIV general assembly , Perugia, ITA, Italy, July 2-13, 2007, , IUGG, [location varies], International (III).
Bolch, T., R. Bhambri, U. Kamp, and T. Pieczonka (2011), Glacier length, area and volume changes in the Himalaya; an overview and specific examples, *American Geophysical Union Fall Meeting, 2011*, Abstract C43A-02. 55

Bolch, T., M. Buchroithner, T. Pieczonka, and A. Kunert (2008), Planimetric and volumetric glacier changes in the Khumbu Himal, Nepal, since 1962 using Corona, Landsat TM and ASTER data, *J. Glaciol., 54*(187), 592-600.
Bolch, T. and U. Kamp (2006), Glacier mapping in high mountains using DEMs, Landsat and ASTER data; Proceedings of the eighth international symposium on High mountain remote sensing cartography, *Grazer Schriften der Geographie und Raumforschung, 41*, 37-48.
Bolch, T., J. Peters, A. Yegorov, B. Pradhan, M. Buchroithner, and V. Blagoveshchensky (2011), Identification of potentially dangerous glacial lakes in the northern Tien Shan, *Nat. Hazards, 59*(3), 1691-1714, doi:http://dx.doi.org/10.1007/s11069-011-9860-2.

Boloki, M. and P. Rashed (2009), Using ASTER image processing for hydrothermal alteration and key alteration minerals mapping in Siyahrud area, Iran, *International Journal of Geology, 3*(2), 38-43.
Boloki, M. and P. Rashed (2010), Using ASTER image processing for hydrothermal alteration and key alteration minerals mapping, paper presented at 3rd WSEAS International Conference on Engineering Mechanics, Structures, Engineering Geology, EMESEG'10, International Conference on Geography and Geology 2010, WORLDGEO'10, July 22, 2010 - July 24, , World Scientific and Engineering Academy and Society, Corfu Island, Greece.
Bolorchuluun, C., O. Batkhishig, D. Amarsaikhan, and V. Battsengel (2006), Application of multi-temporal satellite data and GIS for the environmental change detection, paper presented at 27th Asian Conference on Remote Sensing, ACRS 2006, October 9, 2006 - October 13, 2006; Ulaanbaatar, Mongolia, , Asian Association on Remote Sensing.
Bolten, A., O. Bubenzer, and F. Darius (2006), A digital elevation model as a base for the reconstruction of holocene land-use potential in arid regions, *Geoarchaeology-an International Journal, 21*(7), 751-762. 56

Bolten, A. and O. Bubenzer (2006), New elevation data (SRTM/ASTER) for geomorphological and geoarchaeological research in arid regions; Holocene landscape development and geoarchaeological research, *Zeitschrift fuer Geomorphologie.Supplementband, 142*, 265-279.
Bolten, A., O. Bubenzer, and F. Darius (2004), Geomorphological and archeological datasets as base for the reconstruction of Holocene land use potential in arid Africa, *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 32, Part 2*, 950.
Bonnici, M. and P. Eisner (2007), Geomorphometric analysis of SRTM data voids in the Sahara, paper presented at 69th European Association of Geoscientists and Engineers Conference and Exhibition 2007 - "Securing The Future", , Society of Petroleum Engineers.
Borchardt, S. and M. H. Trauth (2012), Remotely-sensed evapotranspiration estimates for an improved hydrological modeling of the early Holocene mega-lake Suguta, northern Kenya Rift, *Palaeogeogr. , Palaeoclimatol. , Palaeoecol., 361-362*, 14-20, doi:http://dx.doi.org/10.1016/j.palaeo.2012.07.009.
Bordi, F., S. Neeck, and C. Scolese (1999), Contribution of EOS Terra to earth science, paper presented at Sensors, Systems, and Next-Generation Satellites III, Sep 20-Sep 23 1999, , Society of Photo-Optical Instrumentation Engineers, Bellingham, WA, USA.
Bordi, F., C. J. Scolese, and S. P. Neeck (1997), EOS AM - Progress, plans, and promise, paper presented at IAF, International Astronautical Congress, 48th, Turin, Italy; INTERNATIONAL ORGANIZATION; 6-10 Oct. 1997, .
Borel, C. C., W. B. Clodius, J. J. Szymanski, and J. Theiler (1999), Comparing robust and physics-based sea surface temperature retrievals for high resolution, multi-spectral thermal sensors using one or multiple looks, paper presented at Proceedings of the 1999 Algorithms for Multispectral and Hyperspectral Imagery V, Apr 5-Apr 6 1999, , Society of Photo-Optical Instrumentation Engineers, Bellingham, WA, USA. 57

Borisova, D., H. Nikolov, M. Danov, and V. Tsanev (2007), Comparison between reflectance/emittance spectra of iron-containing minerals, paper presented at 3rd International Conference on Recent Advances in Space Technologies, RAST 2007, , IEEE, Istanbul, Turkey.
Bortels, L., J. C. -. Chan, R. Merken, and N. Koedam (2011), Long-term monitoring of wetlands along the Western-Greek Bird Migration Route using Landsat and ASTER satellite images: Amvrakikos Gulf (Greece), *Journal for Nature Conservation, 19*(4), 215-223, doi:10.1016/j.jnc.2011.01.004.
Boschetti, M., D. Stroppiana, and P. A. Brivio (2010), Mapping Burned Areas in a Mediterranean Environment Using Soft Integration of Spectral Indices from High-Resolution Satellite Images, *Earth Interact., 14*, 17, doi:10.1175/2010EI349.1.
BOTHWELL, G., G. GELLER, S. LARSON, A. MORRISON, and D. NICHOLS (1993), ASTER, a multinational Earth observing concept, paper presented at SpaceOps 1992: Proceedings of the Second International Symposium on Ground Data Systems for Space Mission Operations p 45-50 (SEE N94-23832 06-66); UNITED STATES, .
Bouaziz, M., A. Wijaya, and R. Gloaguen (2009), Gully erosion mapping using ASTER data and drainage network analysis in the main ETHIOPIAN rift, paper presented at Geoscience and Remote Sensing Symposium,2009 IEEE International,IGARSS 2009, , IEEE, Cape Town, South Africa.

Bouaziz, M., A. Wijaya, and R. Gloaguen (2011), Remote gully erosion mapping using aster data and geomorphologic analysis in the Main Ethiopian Rift, *Geo-spatial Information Science, 14*(4), 246-254, doi:http://dx.doi.org/10.1007/s11806-011-0565-1.
Bourguignon, A., G. Delpont, S. Chevrel, and S. Chabrillat (2007), Detection and mapping of shrink-swell clays in SW France, using ASTER imagery, in *Mapping hazardous terrain using remote sensing,* , vol. 283, edited by R. M. Teeuw, pp. 117-124, London, United Kingdom (GBR), Geological Society of London. 58

Bouroubi, M. Y. (2009), Logiciel de restitution des reflectances au sol pour l'amelioration de la qualite de l'information extraite des images satellitales a haute resolution spatiale/Software correction of ground reflectances for improving the quality of information extracted from satellite imagery at high spatial resolution, 259, doi:http://hdl.handle.net/1866/3264;https://papyrus.bib.umontreal.ca/jspui/handle/1866/3264.
Bowman, L. J., L. Kapelanczyk, A. S. Colvin, O. Matias, and W. I. Rose (2008), Estimating thermal energy emission and eruption rates at Guatemalan volcanoes using thermal data from a FLIR camera, ASTER and MODIS data sources, *EOS Trans. Am. Geophys. Union, 89*(53, Suppl.), @Abstract V11C-2066.
Bown, F., A. Rivera, C. Acua, G. Casassa, J. Carrasco, and F. Pelliciotti (2007), Updated inventory and recent variations of glaciers at the Aconcagua Basin, central Chile, paper presented at Earth: Our Changing Planet. Proceedings of IUGG XXIV general assembly, Perugia, ITA, Italy, July 2-13, 2007, , IUGG, [location varies], International (III).
Bown, F., A. Rivera, C. Acuna, and J. (. Jacka (2008), Recent glacier variations at the Aconcagua Basin, central Chilean Andes; Papers from the cryspheric section of the International Union of Geodesy and Geophysics meeting, *Annals of Glaciology, 48*, 43-48, doi:10.3189/172756408784700572.
Boyle, D. P., J. Huntingiton, D. Toll, S. Bowser, D. Frevert, R. Stodt, D. Clark, K. R. Arsenault, and A. Pinhero (2006), Improving US Bureau of Reclamation Water Supply, Demand Monitoring and Forecasting Using NASA Earth Data Products for the Carson and Truckee River Basins.
Bradley, B., K. Wetherill, K. Vanderbilt, and J. Nickeson (2007), Integrating ground observations of phenology with remotely sensed measurements: A 2007 growing season experiment at Sevilleta LTER, *EOS Transactions, American Geophysical Union, 88*(52,; Suppl. Volume 1-2). 59

Braitenberg, C., G. Romeo, Q. Taccetti, and I. Nagy (2006), The very-broad-band long-base tiltmeters of Grotta Gigante (Trieste, Italy): secular term tilting and the great Sumatra-Andaman islands earthquake of December 26, 2004, *Journal of Geodynamics, 41*(1-3), 164-74.
Brandmeier, M. (2010), Remote sensing of Carhuarazo volcanic complex using ASTER imagery in Southern Peru to detect alteration zones and volcanic structures - a combined approach of image processing in ENVI and ArcGIS/ArcScene, *Geocarto International, 25*(8), 629-648, doi:http://dx.doi.org/10.1080/10106049.2010.519787.
Braun, M., A. Humbert, and A. Moll (2008), Structure and dynamics of Wilkins Ice Shelf (Antarctic Peninsula) by means of multi-sensor remote sensing, *Geophysical Research Abstracts, 10*, @EGU2008-A-00776, doi:http://meetings.copernicus.org/www.cosis.net/abstracts/EGU2008/00776/EGU2008-A-00776.pdf.
Bravo, C., A. Rivera, J. Clavero, R. (. Villalba, and M. (. Grosjean (2006), Reconstruccion de sistemas paleo-glaciares de los volcanes Villarrica y Mocho en la region de Los Lagos, Chile. Reconstruction of paleo-glacier systems of the Villarrica and Mocho Volcanoes, Los Lagos, Chile, paper presented at Reconstrucciones regionales de las variaciones climaticas en America del Sur durante el Holoceno tardio, simposio internacional -- Reconstructing past regional climate variations in South America over the late Holocene, international symposium, , PAGES (Past Global Changes), Bern, Switzerland (CHE), Malargue, Argentina.
Breitkreuz, C., H. Ehle, G. Franz, W. Reimer, and F. Schreiter (2004), Quantitative geometric analysis of phonolitic mesa flows in the Neogene Meidob volcanic field (NW Sudan) based on ASTER satellite images, *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 32, Part 1*, 757. 60

BRENNER, R., J. LALA, G. NAGLE, A. SCHOR, and J. TURKOVICH (1994), Advanced information processing system: Hosting of advanced guidance, navigation and control algorithms on AIPS using ASTER (Final Report), *NASA-CR-194960; NAS 1.26:194960*.

Brenning, A., P. Fieguth, S. Long, M. A. Pena, and A. S. Soliman (2011), Remote sensing of the mountain cryosphere using texture filters and apparent thermal inertia, *American Geophysical Union Fall Meeting, 2011*, Abstract C31A-0588, doi:http://www.agu.org/cgi-bin/SFgate/SFgate?language=English&verbose=0&listenv=table&application=fm11&convert=&convert hl=&refinequery=&formintern=&formextern=&transquery=an%3dc31a&_lines=&multiple=0&descripto r=%2fdata%2fepubs%2fwais%2findexes%2ffm11%2ffm11%7c.
Brenning, A., M. A. Pena, S. Long, and A. Soliman (2012), Thermal remote sensing of ice-debris landforms using ASTER: an example from the Chilean Andes, *Cryosphere, 6*(2), 367-382, doi:http://dx.doi.org/10.5194/tc-6-367-2012.
Breunig, F. M., L. S. Galvao, and A. R. Formaggio (2008), Detection of sandy soil surfaces using ASTER-derived reflectance, emissivity and elevation data: Potential for the identification of land degradation, *Int. J. Remote Sens., 29*(6), 1833-1840.
Breunig, F. M., L. S. Galvao, A. R. Formaggio, and E. G. Couto (2009), The Combined use of Reflectance, Emissivity and Elevation Aster/terra Data for Tropical Soil Studies, *Revista Brasileira De Ciencia do Solo, 33*(6), 1785-1794.
Brivio, P. A., B. Petrucci, M. Boschetti, P. Carrara, M. Pepe, A. Rampini, D. Stroppiana, and P. Zaffaroni (2009), A multi-year geographic database of fire affected areas derived from satellite images in the National Parks of Italy, *Rivista Italiana Di Telerilevamento, 41*(2), 65-78.
Broadbent, E. N., D. J. Zarin, G. P. Asner, M. Pena-Claros, A. Cooper, and R. Littell (2006), Recovery of forest structure and spectral properties after selective logging in lowland Bolivia, *Ecol. Appl., 16*(3), 1148-1163. 61

Brock, J. C., K. K. Yates, R. B. Halley, I. B. Kuffner, C. W. Wright, and B. G. Hatcher (2006), Northern Florida reef tract benthic metabolism scaled by remote sensing, *Marine Ecology-Progress Series, 312*, 123-139.
Brooks, A. P., J. Spencer, J. G. Shellberg, J. Knight, and L. Lymburner (2008), Using remote sensing to quantify sediment budget components in a large tropical river - Mitchell River, Gulf of Carpentaria, paper presented at Sediment Dynamics in Changing Environments - 2008 Symposium of the International Commission on Continental Erosion, ICCE, December 01,2008 - December 05, , IAHS Press.
Brooks, A. P., J. G. Shellberg, J. Knight, and J. Spencer (2009), Alluvial gully erosion; an example from the Mitchell fluvial megafan, Queensland, Australia; Gully erosion processes; monitoring and modelling, *Earth Surf. Process. Landforms, 34*(14), 1951-1969, doi:http://dx.doi.org/10.1002/esp.1883.
Brooks, C., D. Schaub, T. A. Erickson, and R. Shuchman (2006), Detection of Wetlands Using Multi-Sensor Multi-Temporal Remote Sensing Data, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
Brooks, C. N., D. L. Schaub, R. B. Powell, N. H. F. French, and R. A. Shuchman (2006), Multi-temporal and multi-platform agricultural land cover classification in southeastern Michigan, paper presented at Annual Conference of the American Society for Photogrammetry and Remote Sensing 2006: Prospecting for Geospatial Information Integration, ASPRS 2006, May 1, 2006 - May 5, 2006, Reno, NV, , American Society for Photogrammetry and Remote Sensing.
Brovelli, M. A., X. Liu, and F. Sanso (2010), Local detection of three-dimensional systematic errors in satellite DSMs: Case studies of SRTM and ASTER in Lombardy, paper presented at 2nd International ICST Conference on Personal Satellite Services, PSATS 2010, February 4, 2010 - February 5, , Springer Verlag. 62

Brown, A. J., S. J. Hook, J. K. Crowley, J. S. Kargel, N. T. Bridges, A. M. Baldridge, and C. R. de Souza Filho (2007), Exploring Australian dry lake systems as terrestrial analogs for Martian acidic weathering environments, *Abstracts with Programs - Geological Society of America, 39*(6), 283.
Brown, H. E., M. A. Diuk-Wasser, Y. Guan, S. Caskey, and D. Fish (2008), Comparison of three satellite sensors at three spatial scales to predict larval mosquito presence in Connecticut wetlands, *Remote Sens. Environ., 112*(5), 2301-2308.
Brown, I., E. M. Moulard, J. Nakamura, W. Schroeder, M. Maldonado, S. S. Vasconcelos, and D. Selhorst (2007), Forest Fires in Southwestern Amazonia During 2005: Extent and Distribution in Eastern Acre State, Brazil, *EOS Transactions, American Geophysical Union, 88*(25 (2007 Joint Assembly; Suppl.)), A51A-02.

Brown, J., J. Harper, W. T. Pfeffer, N. Humphrey, and J. Bradford (2011), High-resolution study of layering within the percolation and soaked facies of the Greenland ice sheet, *Annals of Glaciology, 52*(59), 35-42, doi:http://dx.doi.org/10.3189/172756411799096286.
Brown, M. J., A. Ivey, T. N. McPherson, D. Boswell, and E. R. Pardyjak (2004), A study of the Oklahoma City urban heat Island using ground measurements and remote sensing, paper presented at 5th Symposium on the Urban Environment, Aug 23-26 2004, , American Meteorological Society, Boston, MA 02108-3693, United States.
Bruhn, R. L., R. R. Forster, and A. Ford (2004), Field Measurements of Ice Dynamics and Glacier Morphology at Bering Glacier, 103.
Bruning, J. N. (2008), A digital processing and data compilation approach for using remotely sensed imagery to identify geological lineaments in hard-rock terrains; an application for groundwater exploration in Nicaragua,.
Bruning, J. N., J. S. Gierke, and A. L. MacLean (2009), A digital processing and data compilation approach for using remotely sensed imagery to identify geological lineaments in 63

hard-rock terrains: An application for groundwater exploration in Nicaragua, paper presented at American Society for Photogrammetry and Remote Sensing Annual Conference 2009, ASPRS 2009, March 9, 2009 - March 13, 2009, Baltimore, MD, , American Society for Photogrammetry and Remote Sensing.
Bruning, J. N., J. S. Gierke, and A. L. Maclean (2011), An Approach to Lineament Analysis for Groundwater Exploration in Nicaragua, *Photogramm. Eng. Remote Sensing, 77*(5), 509-519.
Bruno, M., C. Hurter, and R. Benhacene (2008), A solution to interface evolution issues: The multi-layer interface, paper presented at 28th Annual CHI Conference on Human Factors in Computing Systems, , Association for Computing Machinery.
Bubenzer, O. and A. Bolten (2008), Evaluation and combination of new elevation data (ASTER/SRTM) for geomorphological and geoarchaeological questions, *Geophysical Research Abstracts, 10*, EGU2008-A-10845.
Bubenzer, O. and A. Bolten (2008), The use of new elevation data (SRTM/ASTER) for the detection and morphometric quantification of Pleistocene megadunes (draa) in the eastern Sahara and the southern Namib, *Geomorphology, 102*(2), 221-231, doi:10.1016/j.geomorph.2008.05.003.
Buchroithner, M. F. and T. Bolch (2007), An automated method to delineate the ice extension of the debris-covered glaciers at Mt. Everest based on ASTER imagery; Proceedings of the 9th international symposium on High mountain remote sensing cartography, *Grazer Schriften der Geographie und Raumforschung, 43*, 71-78.
Buck, P. and D. E. Sabol (2010), Prehistoric land use in the Mt Trumbull region, NW Arizona, USA, *Abstracts with Programs - Geological Society of America, 42*(5), 606-607.
Budde, M. E., G. B. Senay, J. P. Verdin, and J. D. Rowland (2006), Validation of a Simplified Energy Balance Model for Estimating Irrigated Cropland and Water use in Afghanistan, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.). 64

Budkewitsch, P., K. Staenz, and R. Hitchcock (2004), Hyperspectral imaging in Arctic barren lands for mineral exploration, *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 32, Part 2*, 941-942.
Buenemann, M. (2007), Quantifying the spatio-temporal dynamics of woody plant encroachment using an integrative remote sensing, GIS, and spatial modeling approach, *DAI, 68*(01B), 468-171.
Bugmann, H., A. B. Gurung, F. Ewert, W. Haeberli, A. Guisan, D. Fagre, and A. KÃ.Ã.b (2007), Modeling the Biophysical Impacts of Global Change in Mountain Biosphere Reserves, *Mountain Res. Dev., 27*(1), 66-77, doi:10.1659/0276-4741(2007)27[66:MTBIOG]2.0.CO;2.
Buhe Aosier and T. M. (2005), The basic research on wetlands environmental evaluation using Terra / ASTER satellite data, *Report of Hokkaido Institute of Environmental Sciences, NO.31*, PAGE.57-63.
Buhe, A., M. O. N. Kaneko, and M. Halik (2004), Extraction of Poplar euphratica Forest in Tarim River Basin, using Terra / ASTER satellite data.
Buhe, A. (2005), The basic research on wetlands environmental evaluation using Terra/ASTER satellite data, paper presented at The 52nd Annual Meeting of the Ecological Society of Japan, , Ecological Society of Japan.
Buhe, A., Kaneko M., O. N. , H. Mahamut, and K. Tsuchiya (2006), Extraction of Poplar (Populus euphratica) Forest and Tamarix (Tamarix taklamakanensis) Bushes in Taklamakan Desert Using Terra / ASTER Data, *Journal of Arid Land Studies, 15,NO.4*, PAGE.391-397.

Buhe, A., J. Ma, Q. Wang, M. Kaneko, and R. Fukuyama (2004), Scaling Transformation of Remote Sensing Digital Image with Multiple Resolutions from Different Sensors, *Acta Geographica Sinica, 59*(1), 101-110.
Buhe, A., K. Tsuchiya, M. Kaneko, N. Ohtaishi, and M. Halik (2007), Land cover of oases and forest in XinJiang, China retrieved from ASTER data, *Advances in Space Research, 39*, 39-45. 65

Buheaosier, T. M., M. Kaneko, K. Tsuchiya, and H. Fukuma (2002), The Classification of Vegetation of Wetland Based on Remote Sensing Methods, Over Kushiro Wetland Hokkaido Japan. *Report of Hokkaido Institute of Environmental Sciences, NO.29*, PAGE.53-58.
Buheaosier, K. Tsuchiya, M. Kaneko, and S. J. Sung (2003), Comparison of image data acquired with AVHRR, MODIS, ETM + and ASTER over Hokkaido, Japan, *Advances in Space Research, 32*(11), 2211-2216.
Bulatovic, V., Z. Susic, and T. Ninkov (2012), Estimate of the ASTER GDEM regional systematic errors and their removal, *Int. J. Remote Sens., 33*(18), 5915-5926, doi:http://dx.doi.org/10.1080/01431161.2012.676744.
Bull, K. F., C. J. Nye, D. J. Schneider, J. W. Vallance, and R. Wessels (2006), Timing, distribution, and character of proximal products of the 2006 eruption of Augustine Volcano, Alaska, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
Bullard, J. E., K. White, and I. Livingstone (2011), Morphometric analysis of aeolian bedforms in the Namib Sand Sea using ASTER data, *Earth Surf. Process. Landforms, 36*(11), 1534-1549, doi:10.1002/esp.2189.
Bulley, H. N., M. P. Bishop, J. F. Shroder, and U. K. Haritashya (2007), Integration of Classification Tree Analyses and Spatial Metrics to Assess Changes in Supraglacial Lakes in the Karakoram Himalaya, *EOS Transactions, American Geophysical Union, 88*(52,; Suppl. Volume 1-2).
Bulley, H. N. N., M. P. Bishop, J. F. Shroder, and U. K. Haritashya (2013), Integration of classification tree analyses and spatial metrics to assess changes in supraglacial lakes in the Karakoram Himalaya, *Int. J. Remote Sens., 34*(2), 387-411, doi:http://dx.doi.org/10.1080/01431161.2012.705915. 66

Burgess, P. and M. A. Murphy (2003), Geometry and kinematics of Recent deformation of the Himalayan hinterland, southwest Tibet and northwest Nepal; Geological Society of America, 2003 annual meeting, *Abstracts with Programs - Geological Society of America, 35*(6), 548.
Burnham, J. H. and R. S. Sletten (2010), Spatial distribution of soil organic carbon in northwest Greenland and underestimates of high Arctic carbon stores, *Global Biogeochem. Cycles, 24*, GB3012, doi:10.1029/2009GB003660.
Burns, P. J., A. W. Nolin, D. P. Lettenmaier, G. K. Clarke, B. S. Naz, and K. E. Gleason (2011), Calibration and assessment of a distributed hydrologic model applied to a glacierized basin in the Cordillera Blanca, Peru, *American Geophysical Union Fall Meeting, 2011*, Abstract C53D-0711.
Butler, J. J., S. W. Brown, R. D. Saunders, B. C. Johnson, S. F. Biggar, E. F. Zalewski, B. L. Markham, P. N. Gracey, J. B. Young, and R. A. Barnes (2003), Radiometric measurement comparison on the integrating sphere source used to calibrate the Moderate Resolution Imaging Spectroradiometer (MODIS) and the Landsat 7 Enhanced Thematic Mapper Plus (ETM+), *Journal of Research of the National Institute of Standards and Technology, 108*(3), 199-228.
Butler, J. J., H. H. Kieffer, R. A. Barnes, and T. C. Stone (2003), On-Orbit Cross-Calibration of AM Satellite Remote Sensing Instruments using the Moon, 1.
Butt, M. J., M. Umar, and R. Qamar (2013), Landslide dam and subsequent dam-break flood estimation using HEC-RAS model in Northern Pakistan, *Nat. Hazards, 65*(1), 241-254, doi:http://dx.doi.org/10.1007/s11069-012-0361-8.
Buyantuyev, A. and J. Wu (2010), Urban heat islands and landscape heterogeneity: linking spatiotemporal variations in surface temperatures to land-cover and socioeconomic patterns, *Landscape Ecol., 25*(1), 17-33, doi:10.1007/s10980-009-9402-4. 67

Buyuksalih, G. and K. Jacobsen (2006), Generation and validation of digital elevation models based on satellite images, *Revue Francaise de Photogrammetrie et de Teledetection*(184), 17-22.
Byrne, M., U. Kamp, and T. Bolch (2009), Glacier monitoring in Ladakh and Zanskar, northwestern India, paper presented at Association of American Geographers 2009 annual meeting, Las Vegas, NV, United States, March 22-27, 2009, , Association of American Geographers, Washington, DC, United States (USA).

Byrnes, J. M., D. C. Finnegan, S. W. Anderson, and M. S. Ramsey (2006), Analyses of Amboy Crater, Mojave Desert, California, as an analog for small Martian volcanoes; Lunar and planetary science, XXXVII; papers presented to the Thirty-seventh lunar and planetary science conference, *Abstracts of Papers Submitted to the Lunar and Planetary Science Conference, 37*.
Byrnes, J. M., D. C. Finnegan, M. S. Ramsey, and S. W. Anderson (2007), Multispectral analyses of Martian-analog surfaces, Amboy Crater, Mojave Desert, California; Lunar and planetary science; XXXVIII; papers presented to the Thirty-eighth lunar and planetary science conference, *Abstracts of Papers Submitted to the Lunar and Planetary Science Conference, 38*, @Abstract 1908.
Byrnes, J. M., M. S. Ramsey, S. W. Anderson, K. C. Prade, and D. C. Finnegan (2008), Thermal remote sensing analysis of Martian-analog volcanic surfaces, Amboy Crater, Mojave Desert, California, *LPI Contribution, 1391*, @Abstract 1988.
Byrnes, J. M., M. S. Ramsey, and D. A. Crown (2004), Surface unit characterization of the Mauna Ulu flow field, Kilauea Volcano, Hawai'i, using integrated field and remote sensing analyses; Volcanic observations from space; new results from the EOS Satellite instruments, *J. Volcanol. Geotherm. Res., 135*(1-2), 169-193, doi:10.1016/j.jvolgeores.2003.12.016.
Cabrol, N. A., A. N. Hock, M. Sunagua, and E. A. Grin (2006), Evolution of aqueous habitat and life in high-altitude lakes during rapid climate change; astrobiological methods & geo and biosignatures; Lunar and planetary science, XXXVII; papers presented to the Thirty-seventh 68

lunar and planetary science conference, *Abstracts of Papers Submitted to the Lunar and Planetary Science Conference, 37*.
Caceres, F., H. Ali-Ammar, and E. Pirard (2009), Mapping evaporitic minerals in Sud Lipez salt lakes, Bolivia, using remote sensing, *Reviews in Economic Geology, 16*, 199-208.
Cahalan, R. F., A. Marshak, G. Wen, and T. Varnai (2006), How can 3D radiative transfer help correctly interpret satellite data on aerosol-cloud interactions? *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
CAI, D., J. MA, Y. NIAN, S. Liu, and D. Shangguan (2006), The study of glacier change using remote sensing in Mt. Muztagta, *Journal of Lanzhou University.Natural Science, 42*(1), 13-17.
Cai, G., M. Du, and Y. Xue (2008), Monitoring of seasonal change of urban heat island effect in Beijing using Aster data, paper presented at International Conference on Earth Observation Data Processing and Analysis, ICEODPA, , SPIE.
Cai, G., M. Du, and Y. Xue (2011), Monitoring of urban heat island effect in Beijing combining ASTER and TM data, *Int. J. Remote Sens., 32*(5), 1213-1232.
Cai, G., M. Du, Y. Xue, and S. Li (2008), Analysis of an urban heat sink using thermal inertia model from ASTER data in Beijing, China, paper presented at IGARSS 2008 - 2008 IEEE International Geoscience and Remote Sensing Symposium, , IEEE.
Cai, G., X. Huang, M. Du, and Y. Liu (2010), Detection of natural oil seeps signature from SST and ATI in South Yellow Sea combining ASTER and MODIS data, *Int. J. Remote Sens., 31*(17), 4869-4885.
Cai, G., J. Wu, Y. Xue, W. Wan, and X. Huang (2008), Oil spill detection from thermal anomaly using ASTER data in Yinggehai of Hainan, China, paper presented at 2007 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2007, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States. 69

Cai, Y., G. Sun, and B. Liu (2005), Mapping of water body in Poyang Lake from partial spectral unmixing of MODIS data, paper presented at 2005 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2005, Jul 25-29 2005, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Caihong Yu, Xiaobo Wu, Shouxun Yan, and Chunsheng Xiao (2010), Information extraction of red clay and siliceous limestone in red clay-type gold deposit in southwestern Guizhou, China, using short-wave infrared reflectance data of ASTER, paper presented at 18th International Conference on Geoinformatics, 18-20 June, 2010, Beijing, China, .
Calvin, W. M. and J. D. Shoffner (2009), Remote sensing image analysis at Leviathan Mine, CA; a sedimentary sulfate Mars analog site, *LPI Contribution, 1468*, 1210.
Calvin, W. M., R. G. Vaughan, C. Kratt, and J. D. Shoffner (2007), Mapping sulfate systems using advanced remote sensing techniques, *Abstracts with Programs - Geological Society of America, 39*(6), 282.

Calvin, W., M. F. Coolbaugh, R. G. Vaughan, and R. G. (. Bloomquist (2002), Geothermal site characterization using multi- and hyperspectral imagery; Geothermal energy; the baseload renewable resource, paper presented at Geothermal Resources Council 2002 annual meeting, Reno, NV, United States, Sept. 22-25, 2002, , GRC - Geothermal Resources Council, Davis, CA, United States (USA).
Calvin, W., M. Coolbaugh, and R. G. Vaughan (2002), Thermal infrared remote sensing for geothermal site characterization; Geological Society of America, 2002 annual meeting, *Abstracts with Programs - Geological Society of America, 34*(6), 551.
Camargo, F. F., C. M. Almeida, G. A. O. P. Costa, R. Q. Feitosa, D. A. B. Oliveira, C. Heipke, and R. S. Ferreira (2012), An open source object-based framework to extract landform classes, *Expert Systems with Applications, 39*(1), 541-554. 70

Camargo, F. F., C. M. Almeida, T. G. Florenzano, C. Heipke, R. Q. Feitosa, and G. A. O. P. Costa (2011), ASTER/Terra Imagery and a Multilevel Semantic Network for Semi-automated Classification of Landforms in a Subtropical Area, *Photogramm. Eng. Remote Sensing, 77*(6), 619-629.
Camargo, F. F., T. G. Florenzano, C. M. de Almeida, and C. G. de Oliveira (2009), Geomorphological mapping using object-based analysis and ASTER DEM in the Paraiba do Sul Valley, Brazil, *Int. J. Remote Sens., 30*(24), 6613-6620, doi:10.1080/01431160903111044.
Camargo, F. F., T. G. Florenzano, C. M. De Almeida, C. G. De Oliveira, and R. Q. Feitosa (2009), Object-Based Analysis and ASTER/Terra Data for Classifying Relief Units, *Boletim De Ciencias Geodesicas, 15*(1), 81-102.
Cammalleri, C., M. C. Anderson, G. Ciraolo, G. D'Urso, W. P. Kustas, G. La Loggia, and M. Minacapilli (2012), Applications of a remote sensing-based two-source energy balance algorithm for mapping surface fluxes without in situ air temperature observations, *Remote Sens. Environ., 124*, 502-515, doi:http://dx.doi.org/10.1016/j.rse.2012.06.009.
Cammalleri, C. and G. Ciraolo (2012), State and parameter update in a coupled energy/hydrologic balance model using ensemble Kalman filtering, *Journal of Hydrology, 416-417*, 171-181, doi:http://dx.doi.org/10.1016/j.jhydrol.2011.11.049.
Cammalleri, C., G. Ciraolo, and M. Minacapilli (2008), Spatial sharpening of land surface temperature for daily energy balance applications, paper presented at Remote Sensing for Agriculture, Ecosystems, and Hydrology X, , SPIE - The International Society for Optical Engineering.
Cammalleri, C., G. Ciraolo, A. Maltese, and M. Minacapilli (2012), Comparative Analysis of Surface Energy Balance Models for Actual Evapotranspiration Estimation through Remotely Sensed Images, in *Multiscale Hydrologic Remote Sensing: Perspectives and Applications,* , edited by N. Chang, pp. 65-85, Boca Raton, FL, Taylor & Francis/CRC Press. 71

Campion, R., M. Martinez-Cruz, T. Lecocq, C. Caudron, J. Pacheco, G. Pinardi, C. Hermans, S. Carn, and A. Bernard (2012), Space- and ground-based measurements of sulphur dioxide emissions from Turrialba Volcano (Costa Rica), *Bulletin of Volcanology, 74*(7), 1757-1770, doi:http://dx.doi.org/10.1007/s00445-012-0631-z.
Campion, R., G. G. Salerno, P. Coheur, D. Hurtmans, L. Clarisse, K. Kazahaya, M. Burton, T. Caltabiano, C. Clerbaux, and A. Bernard (2010), Measuring volcanic degassing of SO2 in the lower troposphere with ASTER band ratios, *J. Volcanol. Geotherm. Res., 194*(1-3), 42-54.
Canisius, F., K. Honda, and M. Tokunaga (2009), Updating geomorphic features of watersheds and their boundaries in hazardous areas using satellite synthetic aperture radar, *Int. J. Remote Sens., 30*(22), 5919-5933, doi:10.1080/01431160902791879.
Cannon, J. M. R. (2011), The East Jhomolari Fault System and the timing of east-west extension in NW Bhutan, 70, doi:http://www.geo.utep.edu/pub/cannon/thesis/pages%201-12.pdf.
Cao, D., A. Wang, Y. Guan, and G. Wang (2009), Multidirectional and multiscale edge analysis of potential field data, *Abstracts with Programs - Geological Society of America, 41*(7), 278-279.
Cao, X., A. Onishi, J. Chen, and H. Imura (2010), Quantifying the cool island intensity of urban parks using ASTER and IKONOS data, *Landscape Urban Plann., 96*(4), 224-231.
Capolongo, D., M. Marangi, F. Albanese, and L. Pennetta (2008), Modelli digitali del terreno tratti da immagini satellitari; analisi e validazione dei DEM ASTER per applicazioni geomorfologiche. Digital terrain models from satellite imagery; analysis and validation of ASTER DEMs for geomorphologic applications, *Memorie Descrittive della Carta Geologica d'Italia, 78*, 31-47. 72

Capolongo, D., A. Petroselli, F. Nardi, E. R. Vivoni, and S. Grimaldi (2006), Evaluation of ASTER DEM for hydro-geomorphological applications, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
Capolsini, P., S. Andrefouet, C. Rion, and C. Payri (2003), A comparison of Landsat ETM+, SPOT HRV, Ikonos, ASTER, and airborne MASTER data for coral reef habitat mapping in South Pacific islands, *Canadian Journal of Remote Sensing, 29*(2), 187-200.
Capra, L. (2006), Volcanic natural dams associated with sector collapses; textural and sedimentological constrains on their stability, *Italian Journal of Engineering Geology and Environment (Testo Stampato), 2006, Special*, 157-163.
Capra, L., N. Davila, G. Norini, J. C. Gavilanes, and N. Varley (2007), Recent lahars at Volcano de Colima (Mexico); origin and hazard evaluation, paper presented at Earth; our changing planet; proceedings of IUGG XXIV general assembly , Perugia, ITA, Italy, July 2-13, 2007, , IUGG, [location varies],.
Carpenter, P. J., Ding Aizhong, L. Cheng, E. Sturnfield, Liu Puxin, and Chu Fulu (2009), Use of geophysics, SRTM and remote sensing to characterize groundwater contamination from oil shale wastes in south China, *Abstracts: Annual Meeting - American Association of Petroleum Geologists, 2009*, doi:http://www.searchanddiscovery.com/abstracts/html/2009/annual/abstracts/carpenter.htm.
Carpenter, P. J., A. Ding, L. Cheng, E. Sturnfield, P. Liu, and F. Chu (2009), Use of geophysics, SRTM and remote sensing to characterize groundwater contamination from oil shale wastes in south China, *Environmental Geosciences, 16*(2), 108-109.
Carruba, S., C. R. Perotti, M. Rinaldi, F. Zucca, A. Cotti, and L. M. Gaudenzi (2005), Structural analysis of the Al Qarqaf Arch (Libya) by remote sensing of satellite data, paper presented at Riunione annuale del Gruppo Italiano di Geologia Strutturale, Spoleto, Italy, Feb. 21-22, 2005, , Societa Geologica Italiana, Rome, Italy (ITA). 73

Carter, A., M. Ramsey, O. Girina, A. Belousov, A. Durant, I. Skilling, and A. Wolfe (2008), Spaceborne and field-based observations of Bezymianny Volcano, Kamchatka from 2000- 2008, *EOS Transactions, American Geophysical Union, 89*(53, Suppl.), V43A-2140.
Carter, A. J., M. S. Ramsey, A. Belousov, R. Wessels, and J. Dehn (2005), The January 2005 eruption of Bezymianny Volcano, Russia: Comparing ground and airborne thermal camera images to rapid-response ASTER satellite data, *EOS, Transactions, American Geophysical Union, vol. 86*(52, Suppl.), Abstract V31A-0604.
Carter, A. J., M. S. Ramsey, and A. B. Belousov (2007), Detection of a new summit crater on Bezymianny Volcano lava dome: satellite and field-based thermal data, *Bulletin of Volcanology, 69*(7), 811-815.
Carter, A. J., M. S. Ramsey, A. J. Durant, and I. P. Skilling (2006), Multitemporal Three Dimensional Imaging of Volcanic Products on the Macro- and Micro- Scale, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.), V53B-1752.
Carter, A. J., M. S. Ramsey, and O. Girina (2007), Explosive eruption at Bezymianny Volcano, Russia, captured by satellite data, *EOS Transactions, American Geophysical Union, 88*(25 (2007 Joint Assembly; Suppl.)), V23A-11.
Carter, A. J., M. S. Ramsey, and S. M. van Manen (2007), Thermal infrared investigation of the pyroclastic flow deposits and dome region of Bezymianny volcano, Kamchatka, Russia, *EOS, Transactions, American Geophysical Union, 21; 88*(52, Suppl. Volume 1-2), 0386.
Carter, A. J., O. Girina, M. S. Ramsey, and Y. V. Demyanchuk (2008), ASTER and field observations of the 24 December 2006 eruption of Bezymianny Volcano, Russia, *Remote Sens. Environ., 112*(5), 2569-2577.
Carter, A. J. and M. S. Ramsey (2009), ASTER- and field-based observations at Bezymianny Volcano: Focus on the 11 May 2007 pyroclastic flow deposit, *Remote Sens. Environ., 113*(10), 2142-2151. 74

Carter, A. J., M. S. Ramsey, A. J. Durant, I. P. Skilling, and A. Wolfe (2009), Micron-scale roughness of volcanic surfaces from thermal infrared spectroscopy and scanning electron microscopy, *Journal of Geophysical Research-Solid Earth, 114*, B02213, doi:10.1029/2008JB005632.
Carter, A. J. (2008), Quantitative thermal infrared analyses of volcanic processes and products; application to Bezymianny Volcano, Russia, 195.
Carter, A. and M. Ramsey (2010), Long-term volcanic activity at Shiveluch volcano: Nine years of ASTER spaceborne thermal infrared observations, *Remote Sensing, 2*(11), 2571-2583.

CASCORBI, U. (2007), Integration of invasion ecology theories into the analysis of designed plant communities : a case study in Southern Germany, *Landscape Ecol., 22*, 1371-1381.
Casey, K. A., A. Kaab, and D. I. Benn (2012), Geochemical characterization of supraglacial debris via in situ and optical remote sensing methods: a case study in Khumbu Himalaya, Nepal, *Cryosphere, 6*(1), 85-100, doi:http://dx.doi.org/10.5194/tc-6-85-2012.
Casey, K. and A. Kaab (2012), Estimation of supraglacial dust and debris geochemical composition via satellite reflectance and emissivity, *Remote Sensing, 4*(9), 2554-2575, doi:http://dx.doi.org/10.3390/rs4092554.
Casillas, H. A.,Jr (2004), A geophysical study of the Uncompaghre Uplift, Colorado and Utah; Geological Society of America, South-Central Section, 38th annual meeting, *Abstracts with Programs - Geological Society of America, 36*(1), 27-28.
Casillas, H. A. and G. R. Keller (2004), A geophysical study of the Uncompaghre Uplift, Colorado and Utah; AAPG Southwest Section meeting; abstracts, *Abstracts - AAPG Southwest Section Meeting, 2004*, @unpaginated.
Castro Godoy, S. E., I. M. Di Tommaso, G. Marin, M. Kaku, I. Kohno, C. Marquetti, and D. Azcurra (2002), Datos ASTER en el mapeo geologico y la evalucion del potencial minero en la 75

region centro de Juluy, Argentina: ASTER data in geologic mapping and mineral exploration in central Jujuy Province, Argentina, paper presented at XV Congreso Geologico Argentino, 23 April 2002, , Asociacion Geologica Argentina, Buenos Aires.
Celerier, J., L. Elliott, K. Harper, and A. Petts (2002), Neotectonics in the northern Flinders Ranges, South Australia, the structural, sedimentary, and geomorphology evidence, *Abstracts - Geological Society of Australia, 69*, 44.
Centeno, A. P., S. B. A. Rolim, M. d. F. Bitencourt, D. B. Knijnik, E. Fontana, and T. R. Gregory (2008), Contribuicao dos produtos do sensor ASTER na caracterizacao geologica da regiao de Quiteria, Serra do Erval, RS. ASTER instruments for the geologic characterization of the Quiteria area, Serra do Erval, Rio Grande do Sul, paper presented at Sociedade Brasileira de Geologia; 44 degrees congresso, Curitiba, Brazil, Oct. 26-31, 2008/ Geological Society of Brazil; annals of the 44th congress, , Sociedade Brasileira de Geologia, Porto Alegre, Brazil (BRA).
Cerrillo, R. M. N., A. Hayas, A. Garcia-Ferrer, R. H. Clemente, P. Duhalde, and L. Gonzalez (2008), Characteristics of areas affected by fire in 2005 at Parque Nacional de Torres del Paine (Chile) as assessed from multispectral images, *Revista Chilena De Historia Natural, 81*(1), 95-110.
Cervone, G. and B. Haack (2012), Supervised machine learning of fused RADAR and optical data for land cover classification, *Journal of Applied Remote Sensing, 6*, 063597, doi:http://dx.doi.org/10.1117/1.JRS.6.063597.
Ceyhun, O. and A. Yalcin (2010), Remote sensing of water depths in shallow waters via artificial neural networks, *Estuarine Coastal and Shelf Science, 89*(1), 89-96, doi:10.1016/j.ecss.2010.05.015.
Chalmers, D., J. Fredley, and C. Scott (1993), The Earth Observing System AM Spacecraft - Thermal Control Subsystem, paper presented at AIAA, Thermophysics Conference, 28th, Orlando, FL; UNITED STATES; 6-9 July 1993, . 76

Chandel, V. B. S., K. K. Brar, and Y. Chauhan (2011), RS & GIS Based Landslide Hazard Zonation of Mountainous Terrains A Study from Middle Himalayan Kullu District, Himachal Pradesh, India, *International Journal of Geomatics and Geosciences, 2*(1), 121-132.
Chang, T., Y. Liou, C. Lin, S. Liu, and Y. Wang (2010), Estimating the water budget of major US river basins via remote sensing, *Int. J. Remote Sens., 31*(14), 3885-3898, doi:10.1080/01431161.2010.483481.
Chang, Y. -., C. -. Han, K. -. Fan, K. S. Chen, and J. -. Chang (2002), Modular eigen subspace scheme for high-dimensional data classification with NASA MODIS/ASTER (MASTER) airborne simulator data sets of Pacrim II project, paper presented at Imaging Spectrometry VIII, Seattle, WA; UNITED STATES; 8-10 July 2002, .
Chang, Y., C. Chen, C. Han, K. Fan, K. S. Chen, and J. Chang (2003), Hyperspectral and SAR Imagery Data Fusion with Positive Boolean Function, paper presented at Algorithms and Technologies for Multispectral, Hyperspectral, and Ultraspectral Imagery IX, Apr 21-24 2003, , The International Society for Optical Engineering.
Chang, Y., K. Chen, B. Huang, W. Chang, J. A. Benediktsson, and L. Chang (2011), A parallel simulated annealing approach to band selection for high-dimensional remote sensing images, *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 4*(3), 579-590.

Chang, Y., Z. Chen, J. Fang, W. Hsu, W. Liang, T. Hsieh, H. Ren, and K. C. Chen (2009), K-way tree classification based on semi-greedy structure applied to multisource remote sensing images, paper presented at Geoscience and Remote Sensing Symposium,2009 IEEE International,IGARSS 2009, , IEEE, Cape Town, South Africa.
Chang, Y., Z. Chen, J. Liu, L. Chang, and J. Fang (2010), Parallel K-dimensional tree classification based on semi-matroid structure for remote sensing applications, paper presented at Satellite Data Compression, Communications, and Processing VI, , SPIE, San Diego, CA. 77

Chang, Y., J. Fang, L. Chang, J. A. Benediktsson, H. Ren, and K. Chen (2009), Band selection for hyperspectral images based on parallel particle swarm optimization schemes, paper presented at 2009 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2009, July 12, 2009 - July 17, , Institute of Electrical and Electronics Engineers Inc, Cape Town, South Africa.
Chang, Y., J. Fang, W. Hsu, L. Chang, and W. Chang (2010), Simulated annealing band selection approach for hyperspectral imagery, *Journal of Applied Remote Sensing, 4*(1), doi:http://dx.doi.org/10.1117/1.3502611.
Chang, Y., J. Fang, J. Huang, C. Lin, H. Ren, and W. Liang (2006), A parallel computing technique for complete modular eigenspace feature extraction of hyperspectral images, paper presented at 2006 IEEE International Geoscience and Remote Sensing Symposium, IGARSS, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Chang, Y., J. Fang, H. Ren, W. Liang, W. Hsu, and J. Yang (2007), Simulated annealing and greedy modular eigenspaces band selection approach for hyperspectral imagery, paper presented at Chemical and Biological Sensors for Industrial and Environmental Monitoring III, , SPIE, Bellingham WA, WA 98227-0010, United States.
Chang, Y., C. Han, K. Fan, J. Chang, and K. S. Chen (2002), A modular eigen subspace scheme for high-dimensional data classification with NASA MODIS/ASTER (MASTER) airborne simulator data sets of Pacrim II project, paper presented at Imaging Spectrometry VII, Jul 8-10 2002, , The International Society for Optical Engineering.
Chang, Y., C. Han, H. Ren, C. Chen, K. S. Chen, and K. Fan (2004), Data fusion of hyperspectral and SAR images, *Optical Engineering, 43*(8), 1787-1797.
Chang, Y. and H. Ren (2005), A complete modular eigenspace feature extraction technique for hyperspectral images, paper presented at 2005 IEEE International Geoscience and Remote 78

Sensing Symposium, IGARSS 2005, Jul 25-29 2005, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Chang, Y., B. Shu, T. Hsieh, C. Chu, and J. Fang (2011), Band selection for hyperspectral images based on impurity function, paper presented at 2011 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2011, July 24, 2011 - July 29, 2011, , Institute of Electrical and Electronics Engineers Inc, Vancouver, BC, Canada.
Chao, Z., Z. Nan, X. Li, and Z. Mao (2006), Comparison of the extracted DEMs in heihe river upper and middle reaches, paper presented at Agriculture and Hydrology Applications of Remote Sensing, Nov 15-17 2006, , International Society for Optical Engineering, Bellingham WA, WA 98227-0010, United States, Goa, India.
Charou, E., M. Stefouli, D. Dimitrakopoulos, E. Vasiliou, and O. D. Mavrantza (2010), Using Remote Sensing to Assess Impact of Mining Activities on Land and Water Resources, *Mine Water and the Environment, 29*(1), 45-52, doi:10.1007/s10230-010-0098-0.
Chaturvedi, A. K., P. Kovac, A. S. Chawla, R. Wiseman, A. Markandeyulu, J. Hope, M. Sridhar, H. Carey, B. Sharp, and A. K. Rai (2012), Geological interpretation of heliborne geophysical data from the Kaladgi Basin; southern India, *ASEG Extended Abstracts, 2012*(1), 3, doi:http://www.publish.csiro.au/paper/ASEG2012ab393.htm.
Che, T., R. Jin, X. Li, and L. Wu (2004), Glacial Lakes Variation and the Potentially Dangerous Glacial Lakes in the Pumqu Basin of Tibet during the Last Two Decades, *J. Glaciol. Geocryol., 26*(4), 397-402.
Che, T., R. Jin, X. Li, and L. Wu (2004), The variations and the potential outburst of glacial lakes in the Pumqu Basin, Xizang, China in the past 20 years, *Bingchuan Dongtu = Journal of Glaciology and Geocryology, 26*(4), 397-402.
Che, T., X. Li, R. Jin, and L. Wu Zong (2003), Inventory of glacial lakes and identification of glacial lake outburst floods in the Pumqu Basin, Tibet, IUGG, [location varies]. 79

Chen, G. and E. Dongchen (2006), Cloud detection based on texture analysis and SVM over ice-snow covered area, *Geomatics and Information Science of Wuhan University, 31*(5), 403-406.
Chen, C., D. Wang, and H. Guo (2011), Confidence interval estimation for DEM mean error, *Zhongguo Kuangye Daxue Xuebao/Journal of China University of Mining and Technology, 40*(4), 647-652.
CHEN, D., H. LI, X. YANG, and W. SUN (2006), A Study of ASTER Satellite Ortho Imagery Map Based on ENVI Softwareâ€"â€"Taking Fukang Area as an Example, *Geo-information Science, 8*(3), 37-40.
CHEN, J. and J. FU (2006), Advanced Spaceborne Thermal Emission and Reflection Radiometer ï.ˆASTERï.‰--The best choice for geologists, *Geological Bulletin of China, 25*(5), 649-652.
CHEN, J., A. WANG, and M. HUANG (2007), The ASTER Imaging Rock and Soil Information Extraction Method in Multiple, *Acta Geoscientia Sinica, 28*(1), 86-91.
Chen, L. (2009), Application of remote sensing techniques to study the neotectonics in the northwestern Himalayan fold-and-thrust belt, Pakistan, 100.
Chen, L. and S. Khan (2007), Study of strike slip faults in sub-Himalayan thrust belt using remote sensing and seismic data, *Abstracts with Programs - Geological Society of America, 39*(6), 232.
Chen, S., H. Wu, and J. Chen (2011), The statistical prediction model for prospecting Nickel-Copper deposit based on aster remote sensing-geochemistry data in JinChuan and its peripheral, paper presented at Remote Sensing of the Environment: The 17th China Conference on Remote Sensing, August 27, 2010 - August 31, 2010, , SPIE, Hangzhou, China.
Chen, W. and G. Zhou (2004), Comparison of satellite measured temperatures using Terra ASTER and Landsat ETM+ Data, paper presented at 2004 IEEE International Geoscience and Remote Sensing Symposium Proceedings: Science for Society: Exploring and Managing a 80

Changing Planet. IGARSS 2004, Sep 20-24 2004, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Chen, W. and G. Zhou (2004), Comparison of the effects of selected variables on urban surface temperature, paper presented at 2004 IEEE International Geoscience and Remote Sensing Symposium Proceedings: Science for Society: Exploring and Managing a Changing Planet. IGARSS 2004, Sep 20-24 2004, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Chen, X., T. A. Warner, and D. J. Campagna (2007), Integrating visible, near-infrared and short wave infrared hyperspectral and multispectral thermal imagery for geologic mapping: Simulated data, *Int. J. Remote Sens., 28*(11), 2415-2430.
Chen, X., T. A. Warner, and D. J. Campagna (2007), Integrating visible, near-infrared and short-wave infrared hyperspectral and multispectral thermal imagery for geological mapping at Cuprite, Nevada, *Remote Sens. Environ., 110*(3), 344-356.
Chen, X., Y. Yamaguchi, J. Chen, and Y. Shi (2011), Scale effect of vegetation index based thermal sharpening: A simulation study based on aster data, paper presented at 2011 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2011, July 24, 2011 - July 29, 2011, , Institute of Electrical and Electronics Engineers Inc, Vancouver, BC, Canada.
Chen, X., Y. Yamaguchi, J. Chen, and Y. Shi (2012), Scale Effect of Vegetation-Index-Based Spatial Sharpening for Thermal Imagery: A Simulation Study by ASTER Data, *IEEE Geoscience and Remote Sensing Letters, 9*(4), 549-553, doi:http://dx.doi.org/10.1109/LGRS.2011.2174453.
Chen, Y., P. Shi, T. Fung, J. Wang, and X. Li (2007), Object-oriented classification for urban land cover mapping with ASTER imagery, *Int. J. Remote Sens., 28*(20), 4645-4651.
Chen, Y., P. T. Zhang, and P. Xu (2011), The application and research of anomaly extraction process by remote sensing in the vegetation-covered area - An example in Chengmenshan of 81

JiuJiang District, paper presented at Remote Sensing of the Environment: The 17th China Conference on Remote Sensing, August 27, 2010 - August 31, , SPIE, Hangzhou, China.
Chen, Y., Q. Z. Lin, Y. M. Wei, M. F. Wang, and H. Li (2010), Alteration Mineral Mapping Method Based on Statistical Analysis of Field Measured Spectra, *Spectroscopy and Spectral Analysis/Guang Pu Xue Yu Guang Pu Fen Xi, 30*(11), 3036-3040, doi:10.3964/j.issn.1000-0593(2010)11-3036-05.
Chen, Y., Q. Lin, H. Guo, Y. Wei, and Q. Wang (2009), A suitalbe solution for extraction of alteration anomalies from the remote sensing data: A case study of the Baogutu porphyry copper deposit intrusion, Xinjiang, China using Aster data, paper presented at Geoscience and Remote Sensing Symposium,2009 IEEE International,IGARSS 2009, , IEEE, Cape Town, South Africa.

Chen, Z., C. Gong, J. Wu, and S. Yu (2012), The influence of socioeconomic and topographic factors on nocturnal urban heat islands: A case study in Shenzhen, China, *Int. J. Remote Sens., 33*(12), 3834-3849, doi:http://dx.doi.org/10.1080/01431161.2011.635717.
CHEN, Z. and J. CHEN (2006), Investigation on Extracting the Space Information of Urban Land-use from High Spectrum Resolution Image of ASTER by NDBI Method, *Geo-information Science, 8*(2), 137-137.
CHEN, Z. and J. CHEN (2006), Investigation on Extracting the Urban Land-use and Its Change by Multi-band K-L Transform in Fuzhou, *Journal of Fujian Normal University.Natural Science, 22*(3), 100-103.
Chen, Z. and J. Chen (2009), Geostatistical analysis on human impact indexes for land use/cover in Fujian Province and Fuzhou City, paper presented at 2009 17th International Conference on Geoinformatics, Geoinformatics 2009, , IEEE, Fairfax, VA.
Cheng Jie, Xiao Qing, Li Xiao-wen, Liu Qin-huo, and Du Yong-ming (2008), Multi-layer perceptron neural network based algorithm for simultaneous retrieving temperature and 82

emissivity from hyperspectral FTIR data, *Spectroscopy and Spectral Analysis/Guang Pu Xue Yu Guang Pu Fen Xi, 28*(4), 780-783.
Cheng, B., F. Chen, X. Meng, and H. Cui (2011), Research on dynamic change of soil organic matter content in Hailun County using remotely sensed imagery, paper presented at 2011 International Symposium on Image and Data Fusion, ISIDF 2011, August 9, 2011 - August 11, 2011, , IEEE Computer Society, Tengchong, Yunnan, China.
Cheng, B., W. Jiao, W. Wang, X. Zhang, B. Xiang, and H. Liu (2008), Information extraction based on SAM of ASTER image, paper presented at 1st International Congress on Image and Signal Processing, CISP 2008, , Institute of Electrical and Electronics Engineers Computer Society, Piscataway, NJ 08855-1331, United States.
Cheng, B., S. Liu, and X. Mei (2005), New Method for Extraction of Contaminating Vegetation Using Multispectral Remote Sensing Data, *Geoscience, 19*(3), 458-464.
Cheng, J., S. Liang, Q. Liu, and X. Li (2011), Temperature and Emissivity Separation From Ground-Based MIR Hyperspectral Data, *IEEE Trans. Geosci. Remote Sens., 49*(4), 1473-1484, doi:10.1109/TGRS.2010.2076818.
Cheng, J., S. Liang, J. Wang, and X. Li (2010), A Stepwise Refining Algorithm of Temperature and Emissivity Separation for Hyperspectral Thermal Infrared Data, *IEEE Trans. Geosci. Remote Sens., 48*(3), 1588-1597, doi:10.1109/TGRS.2009.2029852.
Cheng, J., S. Liang, Y. Yao, and X. Zhang (2013), Estimating the Optimal Broadband Emissivity Spectral Range for Calculating Surface Longwave Net Radiation, *IEEE Geosci. Remote Sens. Lett., 10*(2), 401-405, doi:http://dx.doi.org/10.1109/LGRS.2012.2206367.
Cheng, J., Q. Xiao, X. Li, Q. Liu, Y. Du, and A. Nie (2008), Evaluation of five algorithms for extracting soil emissivity from hyperspectral FTIR data, paper presented at 2007 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2007, , Institute of 83

Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States, Barcelona, Spain.
Cheng, J., Q. Xiao, X. Li, Q. Liu, Y. Du, and A. Nie (2008), Multi-layer perceptron neural network based algorithm for simultaneous retrieving temperature and emissivity from hyperspectral FTIR dataset, paper presented at 2007 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2007, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Cheng, T., D. Riano, A. Koltunov, M. L. Whiting, and S. L. Ustin (2011), Remote detection of water stress in orchard canopies using MODIS/ASTER airborne simulator (MASTER) data, paper presented at Remote Sensing and Modeling of Ecosystems for Sustainability VIII , SPIE, San Diego, CA.
Cheng, T., D. Riano, A. Koltunov, M. L. Whiting, S. L. Ustin, and J. Rodriguez (2013), Detection of diurnal variation in orchard canopy water content using MODIS/ASTER airborne simulator (MASTER) data, *Remote Sens. Environ., 132*, 1-12, doi:http://dx.doi.org/10.1016/j.rse.2012.12.024.
Cheng, X., Y. Zhang, E. Dongchen, Z. Li, and Y. Shao (2003), Digital elevation model construction using ASTER stereo VNIR scene in Antarctic in-land ice sheet, paper presented at IGARSS 2003; Learning from Earth's shapes and sizes; Toulouse, France, July 21-25, 2003, , Institute of Electrical and Electronics Engineers.
Chenoweth, M. S. (2003), Developing a spatial database for the interpretation of karst landscape and vegetation in the Jamaican Cockpit Country, *DAI, 64*(05B), 131-2099.

Cherkauer, K. A., S. J. Burges, R. N. Handcock, J. E. Kay, S. K. Kampf, and A. R. Gillespie (2005), Assessing satellite-based and aircraft-based thermal infrared remote sensing for monitoring Pacific Northwest river temperature, *J. Am. Water Resour. Assoc., 41*(5), 1149-1159. 84

Chevrel, S. D. (2004), Contribution of Very High Spatial and/or Spectral Resolution remote sensing in GIS-based environmental hazard assessment of mining environments; To measure is to manage; 12th Australasian remote sensing and photogrammetry conference proceedings, paper presented at 12th Australasian remote sensing and photogrammetry conference, Fremantle, West. Aust, , Spatial Sciences Institute, Deakin West, Australia (AUS), Australia.
Chikhaoui, M., F. Bonn, A. I. Bokoye, and A. Merzouk (2005), Evaluation du potentiel de l'indice LDI pour l'etude des etats de surface: Etude comparee a partir des capteurs ASTER et ETM+; Evaluation of the potential of the laser desorption and ionization (LDI) index for the study of surface states: Comparative study starting with the Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) and ETM+ sensors, paper presented at 26th Canadian Symposium on Remote Sensing, Jun 14-16 2005, , Canadian Aeronautics and Space Institute, Suite 105, Ottowa Ontario, K2C 2B5, Canada.
Chikhaoui, M., F. Bonn, A. I. Bokoye, and A. Merzouk (2005), A spectral index for land degradation mapping using ASTER data: Application to a semi-arid Mediterranean catchment, *International Journal of Applied Earth Observation and Geoinformation, 7*(2), 140-153.
Chikhaoui, M., F. Bonn, A. I. Bokoye, and A. Merzouk (2006), Comparaison des capteurs ASTER et ETM+ pour la cartographie de la degradation des sols a l'aide de l'indice LDI; Comparison of the Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) sensor and Landsat Enhanced Thematic Mapper Plus (ETM+) sensor for mapping of the degradation of soils with the help of the Landscape Development Intensity (LDI) index, *Canadian Journal of Remote Sensing, 32*(2), 74-83.
Chikhaoui, M. (2005), Apport des donnees ASTER et d'un reseau de neurones a retropropagation a la modelisation de la degradation du sol d'un bassin marneux du Rif marocain, *DAI, 67*(05B), 148-2440.
Chini, M., P. J. Gonzalez, S. Stramondo, and J. Fernandez (2010), Optical satellite images for co-seismic horizontal offsets estimate and fault trace mapping using phase-corr technique, 85

paper presented at 2010 30th IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2010, July 25, 2010 - July 30, , Institute of Electrical and Electronics Engineers Inc, Honolulu, HI.
Chini, M., A. Piscini, F. R. Cinti, S. Amici, R. Nappi, and P. M. De Martini (2012), The 2011 Tohoku (Japan) Tsunami Inundation and Liquefaction Investigated Through Optical, Thermal, and SAR Data, *IEEE Geosci. Remote Sens. Lett., 10*(2), 347-351, doi:http://dx.doi.org/10.1109/LGRS.2012.2205661.
Chioza, H. A., J. Gotou, and Y. Suzuki (2008), Assessment on Use of ASTER Data in Extracting Topographic Information for Deciding Potential Forest Road Network Routes in a Mountainous Forest Area, paper presented at The Japanese Forest Society Congress 119, , Japanese Forest Society.
Chirico, P. G. and T. W. Moran (2011), Topographic and hydrographic GIS dataset for the Afghanistan Geological Survey and U. S. Geological Survey 2010 Minerals Project, *U.S.Geological Survey Data Series, 624*, doi:http://pubs.usgs.gov/ds/624/.
Chirico, P. G. (2005), Geomorphic factors affecting operational planning in Mesopotamia, Iraq; 171st national meeting of the American Association for the Advancement of of Science, *National Meeting of the American Association for the Advancement of Science, 171*, A56.
Chirico, P. G., K. C. Malpeli, and S. M. Trimble (2012), Accuracy Evaluation of an ASTER-Derived Global Digital Elevation Model (GDEM) Version 1 and Version 2 for Two Sites in Western Africa, *Giscience & Remote Sensing, 49*(6), 775-801, doi:http://dx.doi.org/10.2747/1548-1603.49.6.775.
Chirico, P. G. and M. B. Warner (2007), ASTER-derived 30-meter-resolution digital elevation models of Afghanistan, *U.S.Geological Survey Data Series, DS-0318*.
Choi, J., H. Oh, H. Lee, C. Lee, and S. Lee (2012), Combining landslide susceptibility maps obtained from frequency ratio, logistic regression, and artificial neural network models using 86

ASTER images and GIS, *Eng. Geol., 124*, 12-23, doi:http://dx.doi.org/10.1016/j.enggeo.2011.09.011.
Chou, T., C. Liu, and Y. Chang (2009), The impact study of urban heat island effect caused by land use differences, paper presented at 30th Asian Conference on Remote Sensing 2009, ACRS 2009, October 18, 2009 - October 23, 2009, Beijing, China, , Asian Association on Remote Sensing.

Chou, T., L. Yang, C. Liu, and Y. Chang (2009), The impact study of urban heat island effect caused by surface land use changes, paper presented at Remote Sensing for Environmental Monitoring, GIS Applications, and Geology IX, August 31, 2009 - September 3, , SPIE, Berlin, Germany.
Christensen, P. (2004), Investigation of Rapid Urbanization Processes Using Aster, Modis, and Landsat Data,.
Chrysoulakis, N. (2003), Estimation of the all-wave urban surface radiation balance by use of ASTER multispectral imagery and in situ spatial data, *Journal of Geophysical Research, 108*(D18), ACL8-1-10.
Chrysoulakis, N., M. Abrams, Y. Kamarianakis, and M. Stanislawski (2011), Validation of ASTER GDEM for the Area of Greece, *Photogramm. Eng. Remote Sensing, 77*(2), 157-165.
Chrysoulakis, N. (2002), Integration of earth observation and in-situ spatial data for the development of a decision support tool for technological risk management, paper presented at Remote Sensing for Environmental Monitoring, GIS Applications, and Geology II, Sep 23-26 2002, , The International Society for Optical Engineering.
Chrysoulakis, N., M. Abrams, H. Feidas, and K. Arai (2010), Comparison of atmospheric correction methods using ASTER data for the area of Crete, Greece, *Int. J. Remote Sens., 31*(24), 6347-6385. 87

Chrysoulakis, N., I. Keramitsoglou, and C. Cartalis (2004), Hydrologic land-cover classification mapping at the local level with the combined use of ASTER multispectral imagery and GPS measurements, paper presented at Remote Sensing for Environmental Monitoring, GIS Applications, and Geology III; Barcelona, Spain; Sep. 9-11, 2003, .
Chuah, N. M. J. and M. Hashim (2011), Derivation of biochemical indicator of tropical rainforest using ASTER data, paper presented at 32nd Asian Conference on Remote Sensing 2011, ACRS 2011, October 3, 2011 - October 7, 2011, Tapei, Taiwan, , Asian Association on Remote Sensing.
Chuanjun, L., L. Khan, B. Thuraisingham, M. Husain, C. Shaofei, and Q. Fang (2007), Geospatial data mining for national security: Land cover classification and semantic grouping, paper presented at ISI 2007: 2007 IEEE Intelligence and Security Informatics, , Institute of Electrical and Electronics Engineers Computer Society, Piscataway, NJ 08855-1331, United States.
Chun, H., B. Sohn, D. Kim, M. Ahn, and M. Ou (2012), Solar Channel Calibration Using Desert Targets in Australia: Application to the MTSAT-1R Visible Sensor, *J. Meteorol. Soc. Jpn., 90*(2), 191-205, doi:http://dx.doi.org/10.2151/jmsj.2012-203.
Chung, L., Y. Chen, T. Yu, Z. Cao, and G. Yin (2008), New geomorphic evidence for en echelon fault system in east Karakoram-Jiali fault zone, *EOS Trans. Am. Geophys. Union, 89*(53, Suppl.), @Abstract T53E-2004.
Chunhua, L. and C. Licong (2010), Cross-comparison between ASTER and ETM+ imagery, paper presented at 5th International Conference on Image and Graphics, ICIG 2009, September 20, 2009 - September 23, , IEEE Computer Society, Xi'an, Shanxi, China.
Church, S. E., D. L. Fey, T. L. Klein, T. S. Schmidt, R. B. Wanty, E. H. DeWitt, B. W. Rockwell, and C. A. San Juan (2009), Environmental effects of hydrothermal alteration and historical mining on water and sediment quality in central Colorado, *SIR 2009-5049*, 85-95. 88

Citterio, M., A. P. Ahlstrom, R. S. Fausto, C. Sigsgaard, and M. P. Tamstorf (2008), The GlacioBasis monitoring programme at Zackenberg research station (NE Greenland); first achievements and long term plans, *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 33*, @Abstract 1352924, doi:http://www.cprm.gov.br/33IGC/1352924.html.
Claeys, P., J. C. Chan, and R. Dujardin (2008), The Luizi Structure; remote sensing study of a possible impact crater in Central Africa; *LPI Contribution, 1391*, 1720.
Clark, T. L., T. M. Lopez, and S. Ushakov (2007), Sulfur Dioxide Emissions from Bezymianny Volcano, Kamchatka: Results from the 2007 Field Season, *EOS, Transactions, American Geophysical Union, 41; 88*(52, Suppl. Volume 1-2), 0606.
Cohen, R. H. (2002), Automated spacecraft scheduling - the ASTER example,.
Cohen, R. (1996), ASTER Scheduling Prioritization Function,.
Coll, C., V. Caselles, E. Valor, and R. Niclos (2012), Comparison between different sources of atmospheric profiles for land surface temperature retrieval from single channel thermal infrared data, *Remote Sensing of Environment, 117*, 199-210, doi:http://dx.doi.org/10.1016/j.rse.2011.09.018.
Coll, C., V. Caselles, E. Valor, R. Niclos, J. M. Sanchez, J. M. Galve, and M. Mira (2007), Temperature and emissivity separation from ASTER data for low spectral contrast surfaces, *Remote Sens. Environ., 110*(2), 162-175.

Coluzzi, R., I. Didonna, A. Lanorte, and R. Lasaponara (2007), Mapping forest fuel types by using satellite ASTER data and neural nets, paper presented at Remote Sensing for Agriculture, Ecosystems, and Hydrology IX, , SPIE, Bellingham WA, WA 98227-0010, United States.
Coluzzi, R., N. Masini, A. Lanorte, and R. Lasaponara (2010), On the Estimation of Fire Severity Using Satellite ASTER Data and Spatial Autocorrelation Statistics, in *Computational* 89

Science and Its Applications – ICCSA 2010, , vol. 6016, edited by Anonymous , pp. 361-373, Berlin, Springer.
Combs, J. and M. Eneva (2005), Application of thermal infrared ASTER data to geothermal exploration in eastern California, *EOS Trans. Am. Geophys. Union, 86*(52, Suppl.), @Abstract T23B-0555.
Conrad, C., S. Fritsch, J. Zeidler, G. Rucker, and S. Dech (2010), Per-field irrigated crop classification in arid Central Asia using SPOT and ASTER data, *Remote Sensing, 2*(4), 1035-1056.
Consoli, G., A. Rabatel, A. Bermejo, J. Sicart, A. Soruco, and C. Vincent (2011), Annual glacier mass balance reconstruction using optical remote-sensing for 11 glaciers of the Bolivian Cordillera Real over the 1996-2010 period, *American Geophysical Union Fall Meeting, 2011*, Abstract C21C-10, doi:http://www.agu.org/cgi-bin/SFgate/SFgate?language=English&verbose=0&listenv=table&application=fm11&convert=&convert hl=&refinequery=&formintern=&formextern=&transquery=an%3dc21c&_lines=&multiple=0&descripto r=%2fdata%2fepubs%2fwais%2findexes%2ffm11%2ffm11%7c.
Consoli, S., G. L. Cirelli, and A. Toscano (2006), Monitoring crop coefficient of orange orchards using energy balance and the remote sensed NDVI, paper presented at Remote Sensing for Agriculture, Ecosystems, and Hydrology VIII, Sep 11-13 2006, , International Society for Optical Engineering, Bellingham WA, WA 98227-0010, United States, Stockholm, Sweden.
Coolbaugh, M. F., C. Kratt, A. Fallacaro, W. M. Calvin, and J. V. Taranik (2007), Detection of geothermal anomalies using Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) thermal infrared images at Bradys Hot Springs, Nevada, USA, *Remote Sens. Environ., 106*(3), 350-359.
Coolbaugh, M. F. (2003), The prediction and detection of geothermal systems at regional and local scales in Nevada using a geographic information system, spatial statistics, and thermal infrared imagery, *DAI, 64*(10B), 172-4829. 90

Coolbaugh, M., M. Eneva, S. Bjornstad, and J. Combs (2007), Detection of surface temperature anomalies in the Coso geothermal field using thermal infrared remote sensing, *EOS Trans. Am. Geophys. Union, 88*(52, Suppl.), @Abstract V41A-0394.
Cooper, F. J., B. A. Adams, C. S. Edwards, and K. V. Hodges (2012), Large normal-sense displacement on the South Tibetan fault system in the eastern Himalaya, *Geology (Boulder), 40*(11), 971-974, doi:http://dx.doi.org/10.1130/G33318.1.
Copland, L., W. Lawson, and B. Goodsell (2005), A 100-year record of change at the McMurdo Ice Shelf, Antarctica; Proceedings of the 1st CliC international science conference, *Proceedings - CliC International Science Conference, 1*, 39.
Copland, L., S. Pope, M. P. Bishop, J. F. Shroder Jr, P. Clendon, A. Bush, U. Kamp, Y. B. Seong, and L. A. Owen (2009), Glacier velocities across the central Karakoram, *Annals of Glaciology, 50*(52), 41-49.
Corbane, C., N. Baghdadi, S. Hosford, J. Somma, and S. Chevrel (2004), Application d'une methode de classification orientee objet pour la cartographie de l'occupation du sol: Resultats sur aster et landsat ETM; Application of an object oriented approach for land use mapping: Results obtained on ASTER and Landsat ETM images, *Revue Francaise de Photogrammetrie et de Teledetection*(175), 13-26.
Cord, A., C. Conrad, M. Schmidt, and S. Dech (2010), Standardized FAO-LCCS land cover mapping in heterogeneous tree savannas of West Africa, *J. Arid Environ., 74*(9), 1083-1091, doi:10.1016/j.jaridenv.2010.03.012.
Cordone, R., F. Gandellini, and G. Righini (2008), Solving the swath segment selection problem through Lagrangean relaxation, *Comput. Oper. Res., 35*(3), 854-862.
Corradini, S., S. Pugnaghi, S. Teggi, M. F. Buongiorno, and M. P. Bogliolo (2003), Will ASTER see the Etna SO_2 plume? *Int. J. Remote Sens., 24*(6), 1207-1218. 91

Corrie, R. K. (2011), Detection of ancient Egyptian archaeological sites using satellite remote sensing and digital image processing, paper presented at Earth Resources and Environmental Remote Sensing/GIS Applications II, September 20, 2011 - September 22, 2011, , SPIE, Prague, Czech republic.
Coskun Hepcan, C. (2013), Quantifying landscape pattern and connectivity in a Mediterranean coastal settlement: the case of the Urla district, Turkey, *Environ. Monit. Assess., 185*(1), 143-155, doi:http://dx.doi.org/10.1007/s10661-012-2539-7.
Costelloe, J. F., V. Matic, A. W. Western, and J. P. Walker (2009), Framework for incorporating spectral observations into steady state analysis of groundwater discharge around the margins of the Great Artesian Basin, paper presented at 18th World IMACS Congress and International Congress on Modelling and Simulation: Interfacing Modelling and Simulation with Mathematical and Computational Sciences, MODSIM09, July 13, 2009 - July 17, 2009, , Acta Press, Cairns, QLD, Australia.
Courault, D., F. Jacob, V. Benoit, M. Weiss, O. Marloie, J. F. Hanocq, E. Fillol, A. Olioso, G. Dedieu, P. Gouaux, M. Gay, and A. French (2009), Influence of agricultural practices on micrometerological spatial variations at local and regional scales, *Int. J. Remote Sens., 30*(5), 1183-1205.
Covasnianu, A., I. R. Grigoras, L. E. State, D. Balin, and Hogas,S., Balin,I. (2011) *Romanian Journal of Physics, 56*(3-4), 476-483, doi:http://ssrn.com/abstract=1884082; http://dx.doi.org/10.2139/ssrn.1884082.
Cowan, D. R. and G. R. J. Cooper (2005), Shuttle Radar Topography Mission, paper presented at 67th European Association of Geoscientists and Engineers, EAGE Conference and Exhibition, incorporating SPE EUROPEC 2005 - Extended Abstracts, Jun 13-16 2005, , Society of Petroleum Engineers, Richardson, TX 75083-3836, United States. 92

Cowgill, E. and K. Sieh (2002), Neotectonics of the Turkish-Iranian Plateau and the Greater Caucasus from analysis of ASTER stereo-imagery; Geological Society of America, 2002 annual meeting, *Abstracts with Programs - Geological Society of America, 34*(6), 330.
Coyle, P. R., B. M. Cassidy, and C. A. Stem (2008), Use of archival data and remote sensing to determine the structural and stratigraphic controls on the distribution of tungston in the Cherry Creek mining district, Nevada, *Abstracts with Programs - Geological Society of America, 40*(6), 156-157.
Crippen, R. E., S. J. Hook, and E. J. Fielding (2007), Nighttime ASTER thermal imagery as an elevation surrogate for filling SRTM DEM voids, *Geophys. Res. Lett., 34*(1), L01302-L01302.
Crippen, R. E. (2010), Global topographical exploration and analysis with the SRTM and ASTER elevation models, in *Elevation models for geoscience,* , vol. 345, edited by C. Fleming et al, pp. 5-15, Geological Society of London, London, United Kingdom (GBR).
Crocetto, N. and E. Tarantino (2009), A class-oriented strategy for features extraction from multidate ASTER imagery, *Remote Sensing, 1*(4), 1171-1189.
Crosta, A. P., C. R. De Souza Filho, F. Azevedo, and C. Brodie (2003), Targeting key alteration minerals in epithermal deposits in Patagonia, Argentina, using ASTER imagery and principal component analysis, *Int. J. Remote Sens., 24*(21), 4233-4240.
Crosta, A. P., D. F. Ducart, C. R. de Souza Filho, F. Azevedo, and C. G. Brodie (2009), Mineral exploration for epithermal gold in northern Patagonia, Argentina; from regional to deposit-scale prospecting using Landsat TM and terra ASTER, *Reviews in Economic Geology, 16*, 97-108.
Crouvi, O., R. Amit, and Y. Enzel (2006), Primary loess formation in the Negev Desert; initial results; *Israel Geological Society abstracts, 2006*, 23. 93

Crouvi, O., D. Avigad, M. Beyth, E. Ben-Dor, and A. Sandler (2006), Remote sensing mapping of the Precambrian-Cambrian chemical weathering; the peneplain in southern Israel, *Israel Geological Society abstracts, 2006*, 24.
Crowe, D., T. Jordan, M. S. Baker, and P. Schroeder (2006), Mapping the distribution of alteration minerals in an active geothermal setting using satellite-based spectral reflectance; an example from the Uzon Caldera, Kamchatka, Far East Russia, *Abstracts with Programs - Geological Society of America, 38*(7), 565.
Crowley, J. K., B. E. Hubbard, and J. C. Mars (2003), Analysis of potential debris flow source areas on Mount Shasta, California, by using airborne and satellite remote sensing data, *Remote Sens. Environ., 87*(2-3), 345-358.
Crowley, J. K., B. E. Hubbard, and J. C. Mars (2003), Hydrothermal alteration on the Cascade stratovolcanoes; a remote sensing survey; Geological Society of America, 2003 annual meeting, *Abstracts with Programs - Geological Society of America, 35*(6), 552.

Crowley, J. K., J. C. Mars, S. J. Hook, and Veridan ERIM International, Ann Arbor, MI, United States,sponsor (USA) (2000), Mapping evaporite minerals in the Death Valley salt pan using MODIS/ASTER airborne simulator (MASTER) data; Proceedings of the Fourteenth international conference on Applied geologic remote sensing, *Proceedings of the ...International Conference on Applied Geologic Remote Sensing, 14*, 344-345.
Cruz, C. A. (2005), Satellite image enhancements, lineament identification and quantitative comparison with fracture data, central New York State, *MAI, 44*(01), 138-280.
Cruz, C., R. D. Jacobi, J. R. Everett, and R. J. Staskowski (2005), ASTER and Landsat lineaments in central NYS; image processing and groundtruthing for fractures; Geological Society of America, Northeastern Section, 40th annual meeting, *Abstracts with Programs - Geological Society of America, 37*(1), 58. 94

Csatho, B. M., C. Ping, L. R. Everett, J. M. Kimble, G. Michaelson, and C. Tremper (2006), Characrterizing frozen ground with multisensor remote sensing, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
Csiszar, I. A., L. Giglio, J. T. Morisette, A. Sei, and C. O. Justice (2005), Evaluation of the VIIRS active fire detection algorithm using MODIS-based proxy data and ASTER, *43*, 07.
Csiszar, I. A., J. T. Morisette, L. Giglio, and C. O. Justice (2002), Validation of MODIS Active Fire Products With Coincident ASTER Data, *61*, 0730.
Csiszar, I. A. and W. Schroeder (2008), Short-term observations of the temporal development of active fires from consecutive same-day ETM+ and ASTER imagery in the Amazon: Implications for active fire product validation, *IEEE Journal of Selected Topics In Applied Earth Observations And Remote Sensing, 1*(4), 248-53.
Csiszar, I. A., J. T. Morisette, and L. Giglio (2006), Validation of active fire detection from moderate-resolution satellite sensors: The MODIS example in Northern Eurasia, *IEEE Trans. Geosci. Remote Sens., 44*(7), 1757-1764.
Cuartero, A., A. M. Felicisimo, M. E. Polo, A. Caro, and P. G. Rodriguez (2010), Positional accuracy analysis of satellite imagery by circular statistics, *Photogramm. Eng. Remote Sensing, 76*(11), 1275-1286.
Cuatero, A., A. M. Felicisimo, and F. J. Ariza (2005), Accuracy, reliability, and depuration of SPOT HRV and Terra ASTER digital elevation models, *IEEE Trans. Geosci. Remote Sens., 43*(2), 404-407, doi:10.1109/TGRS.2004.841356.
Cudahy, T. J., M. Caccetta, and S. Collings (2012), ASTER geoscience map of Western Australia, *Records - Geological Survey of Western Australia*, 14-20.
Cudahy, T. J., L. B. Whitbourn, P. M. Connor, P. Mason, and R. N. Philips (1999), Mapping surface mineralogy and scattering behavior using backscattered reflectance from a 95

hyperspectral midinfrared airborne CO (sub 2) laser system (MIRACO (sub 2) LAS), *IEEE Trans. Geosci. Remote Sens., 37*(4), 2019-2034.
Cudahy, T. J., R. Hewson, A. Buchanan, Y. Maruyama, A. Mauger, J. Creasey, and Veridan ERIM International, Ann Arbor, MI, United States,sponsor (USA) (2000), A generation of geological and regolith maps derived from multispectral VNIR-SWIR-TIR ASTER satellite data; Australian examples; Proceedings of the Fourteenth international conference on Applied geologic remote sensing, *Proceedings of the ...International Conference on Applied Geologic Remote Sensing, 14*, 159.
Culallad, I. N. and Y. Masao (2007), Integration of remote sensing and geographical information system for the characterization of rice terraces in Mountain Province, paper presented at 28th Asian Conference on Remote Sensing 2007, ACRS 2007, November 12, 2007 - November 16, 2007, Kuala Lumpur, Malaysia, , Asian Association on Remote Sensing.
Curado, N., T. Hartel, and J. W. Arntzen (2011), Amphibian pond loss as a function of landscape change - A case study over three decades in an agricultural area of northern France, *Biol. Conserv., 144*(5), 1610-1618, doi:10.1016/j.biocon.2011.02.011.
Czapla-Myers, J. S., K. J. Thome, and S. F. Biggar (2009), Calibration and characterization of a digital camera for bidirectional reflectance distribution function retrieval of vicarious calibration sites, *Journal of Applied Remote Sensing, 3*, 033519, doi:10.1117/1.3116662.
Czapla-Myers, J., K. Thome, and S. Biggar (2005), Unmanned vicarious calibration for large-footprint sensors, paper presented at Earth Observing Systems X; San Diego, CA; USA; 31 July-2 Aug. 2005, .

Cziferszky, A., A. H. Fleming, and A. Fox (2010), An assessment of ASTER elevation data over glaciated terrain on Pourquois Pas Island, Antarctic Peninsula, in *Elevation models for geoscience,* , vol. 345, edited by C. Fleming et al, pp. 23-32, United Kingdom (GBR), Geological Society of London, London, United Kingdom (GBR). 96

Da Costa, Gilson Alexandre,Ostwald Pedro, F. F. Camargo, D. A. B. Oliveira, C. M. De Almeida, R. Q. Feitosa, and S. F. Da (2009), Using the cognitive platform interimage to identify geomorphological features, paper presented at MIPPR 2009 - Remote Sensing and GIS Data Processing and Other Applications: 6th International Symposium on Multispectral Image Processing and Pattern Recognition, October 30, 2009 - November 1, , SPIE, Yichang, China.
da Silva, D. V. G., P. S. de Nascimento, R. A. Petta, T. F. d. C. Campos, and T. A. F. do Nascimento (2008), Lineacoes e lineamentos estruturais da folha Jardim do Serido extraidos por tecnicas de sensoriamento remoto. Lineations and structural lineaments of Jardim do Serido sheet, from remote sensing data, paper presented at Sociedade Brasileira de Geologia; 44 degrees congresso, Curitiba, BRA, Brazil, Oct. 26-31, 2008, , Sociedade Brasileira de Geologia, Porto Alegre, Brazil (BRA).
Da Silva, P. R. and J. R. Ducati (2009), Spectral features of vineyards in south Brazil from ASTER imaging, *Int. J. Remote Sens., 30*(23), 6085-6098, doi:10.1080/01431160902810612.
Dabrowska-Zielinska, K., M. Budzynska, W. Kowalik, and Y. Inoue (2008), Application of microwave data for agriculture area, paper presented at 2008 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2008, , IEEE.
Dabrowska-Zielinska, K., M. Budzynska, W. Kowalik, I. Malek, K. Turlej, and Z. Bochenek (2010), Soil moisture and evapotranspiration of wetlands vegetation habitats retrieved from satellite images, paper presented at Symposium Earth Observation and Water Cycle Science, , European Space Agency, Noordwijk, 2200 AG, Netherlands, Frascati, Italy.
Dabrowska-Zielinska, K., M. Gruszczynska, S. Lewinski, A. Hoscilo, and I. Malek (2006), Application of remotely and in-situ information for wetlands in Poland, paper presented at 1st International Symposium on GlobWetland: Looking at Wetlands from Space, , European Space Agency, Noordwijk, 2200 AG, Netherlands.
Dahanayaka, D. D. G. L., H. Tonooka, M. J. S. Wijeyaratne, A. Minato, and S. Ozawa (2011), Integration of multisource data for chlorophyll-a monitoring in Negombo estuary, Sri Lanka, 97

paper presented at 2011 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2011, July 24, 2011 - July 29, 2011, , Institute of Electrical and Electronics Engineers Inc, Vancouver, BC, Canada.
Dailey, D. R., W. A. Sauck, M. I. Sultan, A. Milewski, R. Laton, and J. Foster (2011), Geophysical and remote sensing applications for better understanding of the structural (faults/basement uplifts) controls on groundwater flow in the Lucerne Valley, California, *Abstracts with Programs - Geological Society of America, 43*(5), 146-146, doi:http://gsa.confex.com/gsa/2011AM/finalprogram/abstract_196093.htm.
Dall'Osso, F., L. Bovio, A. Cavalletti, F. Immordino, M. Gonella, and G. Gabbianelli (2010), A novel approach (the CRATER method) for assessing tsunami vulnerability at the regional scale using ASTER imagery, *Rivista Italiana Di Telerilevamento, 42*(2), 55-74.
D'Amico, J., K. Thome, and J. Czapla-Myers (2006), Validation of large-footprint, reflectance-based calibration using coincident MODIS and ASTER data, paper presented at Earth Observing Systems XI, Aug 14-16 2006, , International Society for Optical Engineering, Bellingham WA, WA 98227-0010, United States.
Dan, M., G. Huili, L. Xiaojuan, Z. Wenji, G. Zhaoning, Z. Lin, and H. Deyong (2009), Study of urban heat island based on remote sensing in Beijing-capital zone, paper presented at 2009 Joint Urban Remote Sensing Event, May 20, 2009 - May 22, , IEEE Computer Society.
Danishwar, S. and M. Sultan (2001), Interpretation of ASTER remote sensing data on Northwest Kohistan Terrane, Pakistani Himalayas; Geological Society of America, 2001 annual meeting, *Abstracts with Programs - Geological Society of America, 33*(6), 290-291.
Danneels, G., H. B. Havenith, and E. Pirard (2007), Landslide detection from remote sensing images using statistical and ANN classification methods,.
Danneels, G., H. B. Havenith, F. Caceres, S. Outal, and E. Pirard (2010), Filtering of ASTER digital elevation models using mathematical morphology, in *Elevation models for geoscience,* , 98

vol. 345, edited by C. Fleming et al, pp. 33-42, United Kingdom (GBR), Geological Society of London, London, United Kingdom (GBR).
Daoud, M. A., B. Le Gall, R. C. Maury, J. Rolet, P. Huchon, and H. Guillou (2011), Young rift kinematics in the Tadjoura Rift, western Gulf of Aden, Republic of Djibouti, *Tectonics, 30*(1), TC1002, doi:http://dx.doi.org/10.1029/2009TC002614.
Dar, I. A., K. Sankar, and M. A. Dar (2010), Remote sensing technology and geographic information system modeling An integrated approach towards the mapping of groundwater potential zones in Hardrock terrain, Mamundiyar basin, *Journal of Hydrology, 394*(3-4), 285-295, doi:10.1016/j.jhydrol.2010.08.022.
Darby, B. J., B. D. Ritts, Y. Yue, and Meng Qingren (2005), Did the Altyn Tagh Fault extend beyond the Tibetan Plateau? *Earth Planet. Sci. Lett., 240*(2), 425-435, doi:10.1016/j.epsl.2005.09.011.
Dash, P., F. -. Gottsche, F. -. Olesen, and H. Fischer (2002), Land surface temperature and emissivity estimation from passive sensor data: Theory and practice-current trends, *Int. J. Remote Sens., 23*(13), 2563-2594.
Datta, P. S. and H. Schack-Kirchner (2010), Erosion relevant topographical parameters derived from different DEMs-A comparative study from the Indian lesser Himalayas, *Remote Sensing, 2*(8), 1941-1961.
Davies, A. G., J. Calkins, L. Scharenbroich, R. G. Vaughan, R. Wright, P. Kyle, R. Castano, S. Chien, and D. Tran (2008), Multi-instrument remote and in situ observations of the Erebus Volcano (Antarctica) lava lake in 2005: A comparison with the Pele lava lake on the jovian moon Io, *J. Volcanol. Geotherm. Res., 177*(3), 705-724.
Davila, N., L. Capra, J. C. Gavilanes-Ruiz, N. Varley, G. Norini, and A. G. Vazquez (2007), Recent lahars at Volcan de Colima (Mexico): Drainage variation and spectral classification, *J. Volcanol. Geotherm. Res., 165*(3), 127-141. 99

Davila-Hernandez, N., J. Lira, L. Capra-Pedol, and F. Zucca (2011), A normalized difference lahar index based on Terra/Aster and Spot 5 images: an application at Colima Volcano, Mexico, *Rev. Mex. Cienc. Geol., 28*(3), 630-644.
Davis, A. M., J. G. Liu, M. A. N. Brown, and D. (. Massonnet (2003), Drainage development related to blind thrust evolution along the Flaming Mountain, Turpan Basin, Xinjiang, NW China; IGARSS 2003; Learning from Earth's shapes and sizes; 2003 IEEE international geoscience and remote sensing symposium; proceedings, paper presented at 2003 IEEE international geosciences and remote sensing symposium, Toulouse, France, July 21-25, 2003, , Institute of Electrical and Electronics Engineers, New York, NY, United States (USA).
Davis, A. (2007), The Use of Commercial Remote Sensing Predicting Helicopter Brownout Conditions, 93.
Davis, I. C. and G. G. Wilkinson (2006), Crop yield prediction using multipolarization radar and multitemporal visible / infrared imagery, paper presented at Remote Sensing for Agriculture, Ecosystems, and Hydrology VIII, Sep 11-13 2006, , International Society for Optical Engineering, Bellingham WA, WA 98227-0010, United States, Stockholm, Sweden.
Dawes, P. R. and T. Tukiainen (2008), Hans O, celebrated island of Nares Strait between Greenland and Canada; from dog-sledge to satellite mapping; *Geological Survey of Denmark and Greenland Bulletin, 15*, 77-80.
De Carvalho Jr., O. A., P. L. C. Bloise, A. P. F. De Carvalho, R. F. Guimaraes, and E. De Souza Martins (2003), Spectral Mixture Analysis of Aster Image in Brazilian Savanna, paper presented at 2003 IGARSS: Learning From Earth's Shapes and Colours, Jul 21-25 2003, , Institute of Electrical and Electronics Engineers Inc.
de Carvalho, O. A.,Jr, R. F. Guimaraes, A. P. F. de Carvalho, and E. de Souza Martins (2004), Spectral mixture analysis of ASTER image to geobotanical investigation between ultramafic and mafic rocks from Niquelandia, Brazil, paper presented at IGARSS 2004. 2004 IEEE International Geoscience and Remote Sensing, 20-24 Sept. 2004, , IEEE. 100

de Cerqueira, D. B. and M. B. Abram (2008), Mapeamento multiespectral aplicado a pesquisa para Au na provincia Juruena-Teles Pires, estado do Mato Grosso. Multispectral mapping for gold exploration in the Juruena-Teles Pires Province, Mato Grosso, paper presented at Sociedade Brasileira de Geologia; 44 degrees congresso, Curitiba, Brazil, Oct. 26-31, 2008/ Geological Society of Brazil; annals of the 44th congress, , Sociedade Brasileira de Geologia, Porto Alegre, Brazil (BRA).

de Leeuw, J., D. Shankman, G. Wu, W. F. de Boer, J. Burnham, Q. He, H. Yesou, and J. Xiao (2010), Strategic assessment of the magnitude and impacts of sand mining in Poyang Lake, China, *Regional Environmental Change, 10*(2), 95-102, doi:10.1007/s10113-009-0096-6.
de Lorenzo, S. and A. Zollo (2001), Source parameters and three-dimensional attenuation structure from the inversion of microearthquake pulse width data - Qp imaging and inferences on the thermal state of the Campi Flegrei caldera (southern Italy), *Journal of Geophysical Research, 106*(B8), 16, 265-16, 286.
de Oliveira, C. G. and W. R. Paradella (2008), An assessment of the altimetric information derived from spaceborne SAR (RADARSAT-1, SRTM3) and optical (ASTER) data for cartographic application in the Amazon region, *Sensors, 8*(6), 3819-3829.
de Oliveira, C. G. and W. R. Paradella (2009), Evaluating the quality of the Digital Elevation Models produced from ASTER stereoscopy for topographic mapping in the Brazilian Amazon Region, *An. Acad. Bras. Cienc., 81*(2), 217-225.
de Rose, R. C., T. Oguchi, W. Morishima, and M. Collado (2011), Land cover change on Mt. Pinatubo, the Philippines, monitored using aster VNIR, *Int. J. Remote Sens., 32*(24), 9279-9305, doi:10.1080/01431161.2011.554452.
de Souza Filho, C. R., V. Augusto, W. J. Oliveira, and T. Lammoglia (2008), Deteccao de exsudacoes de hidrocarbonetos por geobotanica e sensoriamento remoto multi-temporal; estudo de caso no Remanso do Fogo (MG): Hydrocarbon Seepage Detection through Geobotanic and Multi-temporal Remote Sensing: 101

A Case Study on Remanso do Fogo (MG), *Revista Brasileira de Geociencias, 38*(2, Supplement), 228-243, doi:http://ojs.c3sl.ufpr.br/ojs2/index.php/rbg/article/view/13031/8814.
de Souza Filho, C. R. and A. P. Crosta (1999), Mineral mapping in tropical and arid regions; an evaluation using simulated Landsat TM, JERS-1 and ASTER reflective bands; Proceedings of the thirteenth international conference; Applied geologic remote sensing, paper presented at Thirteenth international conference on Applied geologic remote sensing, Vancouver, BC, Canada, March 1-3, 1999, , Environmental Research Institute of Michigan, Ann Arbor, MI, United States (USA).
de Souza, C. R. and P. A. Bland (2004), Proven, probable, and possible impact craters in South America revealed by ASTER and SRTM data and image processing techniques, *Meteoritics & Planetary Science, 39*(8), A30-A30.
de Vente, J., J. Poesen, G. Govers, and C. Boix-Fayos (2009), The implications of data selection for regional erosion and sediment yield modelling, *Earth Surf. Process. Landforms, 34*(15), 1994-2007.
Dean, K. G., J. Dehn, and J. E. Bailey (2006), Monitoring Volcanic Eruptions Using Satellite Data in the North Pacific Region, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
Deguchi, I. (2005), Changes in Shoreline and Vegetation around Red River Delta, *Zennihon Koiki Dosha Shushi Hyoka Heisei 14-16 Nendo No.14350262*, PAGE.128-142.
DEGUCHI, I., S. ARAKI, T. NAKAUE, A. SHIMIZU, and Y. HATTORI (2005), DETECTION OF SHORELINE BY ASTER IMAGE AND THE DIFFERENCE BETWEEN DEIECTEDAND SURVEYED SHORELINE, *PROCEEDINGS OF CIVIL ENGINEERING IN THE OCEAN, 21*, 439-444, doi:http://dx.doi.org/10.2208/prooe.21.439. 102

Deguchi, T. and M. Kato (2006), Initial-period data analysis of PALSAR, paper presented at 27th Asian Conference on Remote Sensing, ACRS 2006, October 9, 2006 - October 13, 2006; Ulaanbaatar, Mongolia, , Asian Association on Remote Sensing.
Dehghani, N. (1998), The ASTER emergency backup system, paper presented at Earth Observing Systems III, Jul 19-21 2002, , The International Society for Optical Engineering.
Dehn, J. and A. Harris (2004), Effusion rates of the 2004 Mount St. Helens lava dome activity determined from Advanced Very High Resolution Radiometer satellite data, *53*, 02.
Deilami, K. and M. I. S. Mohd (2012), Assessment of accuracy of digital elevation model generation from ASTER stereo images by using rational polynomial coefficients and Toutin's models, *Research Journal of Applied Sciences, Engineering and Technology, 4*(15), 2537-2542, doi:http://www.maxwellsci.com/jp/abstract.php?jid=RJASET&no=205&abs=37.
Delany, A. C. and J. A. Businger (1988), Preprints [Delany, Anthony C. and Businger, Joost A., Development of **ASTER** and the accuracy of flux measurements, p. 100-103], paper presented at Abstracts: Symposium on Turbulence and Diffusion, 8th, San Diego, CA., April 25-29, 1988, , American Meteorological Society.

Delgado-Granados, H. (2006), Volcanic plumes from Popocatepetl Volcano (Mexico); dispersion features, ash characteristics, and their effects, *Abstracts - International Volcanological Congress, 4*, 20-20.
Deller, M. E. A. (2006), Facies discrimination in laterites using Landsat Thematic Mapper, ASTER and ALI data-examples from Eritrea and Arabia, *Int. J. Remote Sens., 27*(12), 2389-2409.
Deller, M. E. A. (2006), Erratum: Facies discrimination in laterites using Landsat Thematic Mapper, ASTER and ALI data - Examples from Eritrea and Arabia (International Journal of Remote Sensing (2006) vol. 27(12) (2402-2404)), *Int. J. Remote Sens., 27*(22), 5123. 103

Dempewolf, J., S. Trigg, R. S. DeFries, and S. Eby (2007), Burned-area mapping of the serengeti-mara region using MODIS reflectance data, *IEEE Geoscience and Remote Sensing Letters, 4*(2), 312-316.
Demyanick, E. and T. J. Wilson (2006), Landscape of a Glaciated Rift Flank: Structure of the Transantarctic Mountains From the Royal Society Range to the Churchill Mountains, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
Deng, L., R. Fan, Y. Liang, and C. Zhang (2012), Disposition methods of SRTM invalid terrain data for distributed hydrological model, *Science of Surveying and Mapping; Cehui Kexue / Science of Surveying and Mapping, 37*(2), 129-132.
Deng, X. and C. Wang (2005), A remote sensing image ground control point matching algorithm based on dynamic template and conformal transform, *Cehui Kexue / Science of Surveying and Mapping, 30*(4), 51-53.
Deng, X., C. Wang, Q. Kang, and X. Li (2006), Adaptive matching algorithm for ground control point of remote sensing image based on corner extraction, *Yuhang Xuebao/Journal of Astronautics, 27*(1), 45-50.
Deng, X., C. Wnag, Q. Kang, and X. Li (2006), An Adaptive Matching Algorithm for Ground Control Point of Remote Sensing Image Based on Corner Extraction, *Journal of Chinese Society of Astronautics, 27*(1), 45-88.
Deng, Y., F. Fan, and R. Chen (2012), Extraction and Analysis of Impervious Surfaces Based on a Spectral Un-Mixing Method Using Pearl River Delta of China Landsat TM/ETM plus Imagery from 1998 to 2008, *Sensors, 12*(2), 1846-1862, doi:http://dx.doi.org/10.3390/s120201846.
Dennison, P. E., K. R. Hultine, P. L. Nagler, T. Miura, E. P. Glenn, and J. R. Ehleringer (2008), Monitoring Tamarisk Defoliation and Scaling Evapotranspiration Using Remote Sensing Data, *AGU Fall Meeting Abstracts, 43*, 0443. 104

Dennison, P. E. and D. S. Matheson (2011), Comparison of fire temperature and fractional area modeled from SWIR, MIR, and TIR multispectral and SWIR hyperspectral airborne data, *Remote Sensing of Environment, 115*(3), 876-886.
Dennison, P. E., P. L. Nagler, K. R. Hultine, E. P. Glenn, and J. R. Ehleringer (2009), Remote monitoring of tamarisk defoliation and evapotranspiration following saltcedar leaf beetle attack, *Remote Sens. Environ., 113*(7), 1462-1472.
Dennison, P. E. and D. A. Roberts (2009), Daytime fire detection using airborne hyperspectral data, *Remote Sens. Environ., 113*(8), 1646-1657, doi:10.1016/j.rse.2009.03.010.
deOliveira, C. G. (2005), Evaluation Of Digital Elevation Models Generated From Optical (Aster) and Radar (Radarsat-1, SRTM) Orbital Remote Sensors: A Study For the Area of the Mountain Of Carajas (Pa),.
Desautels, M. (2004), Cartographie des zones potentielles d'erosion dans le bassin versant de la Tomifobia par le capteur spatial ASTER et le modele SWAT (French text, Quebec), *MAI, 43*(05), 74-1683.
DESJARDINS, R., P. ROGNON, M. BENALLA, and E. M. ALEM (2005), Progres importants des etudes sur l'evolution des dunes grace a l'utilisation combinee des satellites civils et militaires : l'exemple du tafilalet (Maroc); Recent advances in the study of the evolution of sand dunes using combined military and civilian satellite imageries : The case of the tafilalet (Morocco), *Secheresse : (Montrouge), 16*, 153-164.
Desouky, H. A. (2009), Metallogenesis of stratiform copper deposits in the Lufilian Orogen, Democratic Republic Congo, *Aardkundige Mededelingen, 18*, 1-183.
Dey, S., L. di Girolamo, and G. Zhao (2008), Effect of Domain and Resolution on Observation-based Statistics of Trade Wind Cumuli Over the Tropical Western Atlantic During RICO, *AGU Fall Meeting Abstracts, 41*, 0242. 105

Dey, S., L. Di Girolamo, G. Zhao, A. L. Jones, and G. M. McFarquhar (2011), Satellite-observed relationships between aerosol and trade-wind cumulus cloud properties over the Indian Ocean, *Geophys. Res. Lett., 38*(1), L01804, doi:http://dx.doi.org/10.1029/2010GL045588.
Dey, S., L. Di Girolamo, and G. Zhao (2008), Scale effect on statistics of the macrophysical properties of trade wind cumuli over the tropical western Atlantic during RICO, *Journal of Geophysical Research-Atmospheres, 113*, D24214, doi:10.1029/2008JD010295.
Di Achille, G. (2005), A new candidate impact site in northeastern Sudan detected from remote sensing; Lunar and planetary science, XXXVI; papers presented to the Thirty-sixth lunar and planetary science conference, *Abstracts of Papers Submitted to the Lunar and Planetary Science Conference, 36*.
Di Girolamo, L. (2006), Aerosol, cloud, and precipitation characteristics in the trade wind regime from satellite, radar, and aircraft measurements sampled during RICO, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
Di Tommaso, I. M., G. Marin, I. Kohno, M. Katu, S. E. Castro Godoy, C. Marquetti, and D. Azcurra (2002), Mapeo geologico e identificacion de areas mineralizadas en el distrito minero Los Menucos, Rio Negro, utilizando datos ASTER: ASTER data in geologic mapping and mineral exploration at Los Menucos mining district, Rio Negro Province, Argentina, paper presented at XV Congreso Geologico Argentino, 23 April 2002, , Asociacion Geologica Argentina, Buenos Aires.
Di Tommaso, I. and N. Rubinstein (2007), Hydrothermal alteration mapping using ASTER data in the Infiernillo porphyry deposit, Argentina, *Ore Geology Reviews, 32*(1), 275-290.
Diaz-Castellon, R., B. E. Hubbard, G. Carrasco-Nunez, and J. L. Rodriguez-Vargas (2012), The origins of late Quaternary debris avalanche and debris flow deposits from Cofre de Perote Volcano, Mexico, *Geosphere, 8*(4), 950-971, doi:http://dx.doi.org/10.1130/GES00709.1. 106

Dietrich, R., H. G. Maas, M. Baessler, A. Ruelke, A. Richter, E. Schwalbe, and P. Westfeld (2007), Jakobshavn Isbrae, West Greenland; flow velocities and tidal interaction of the front area from 2004 field observations, *Journal of Geophysical Research, 112*(F3), F03S21, doi:10.1029/2006JF000601.
Dill, H. G., K. Hahne, and F. Shaqour (2012), Anatomy of landslides along the Dead Sea Transform Fault System in NW Jordan, *Geomorphology, 141*, 134-149, doi:http://dx.doi.org/10.1016/j.geomorph.2011.12.031.
Diner, D. J., B. H. Braswell, R. Davies, N. Gobron, J. Hu, Y. Jin, R. A. Kahn, Y. Knyazikhin, N. Loeb, J. Muller, A. W. Nolin, B. Pinty, C. B. Schaaf, G. Seiz, and J. Stroeve (2005), The value of multiangle measurements for retrieving structurally and radiatively consistent properties of clouds, aerosols, and surfaces, *Remote Sens. Environ., 97*(4), 495-518.
Ding, F. and P. Fan (2011), Integration of spectral indices, digital elevation data and support vector machines for land use classification in hilly areas, paper presented at 2011 International Symposium on Image and Data Fusion, ISIDF 2011, August 9, 2011 - August 11, 2011, , IEEE Computer Society, Tengchong, Yunnan, China.
Ding, Y. (2007), Monte Carlo Simulation and Verification of its Validity with Two-Dimensionally Arrayed Trees, 78, doi:http://portal.dl.saga-u.ac.jp/bitstream/123456789/55389/1/GI00001556.pdf.
Diofantos, H. G., A. Constandina, T. Kyriacos, A. Athos, and P. Skevi (2010), Classification of geological mapping features using satellite remote sensing and in-situ spectro-radiometric measurements over Cyprus, paper presented at Earth Resources and Environmental Remote Sensing/GIS Applications, September 21, 2010 - September 23, , SPIE, Toulouse, France.
Diofantos, H. G., H. G. Marinos, A. Athos, and T. Kyriacos (2009), Monitoring coastal water quality in a municipal beach in Paphos-Cyprus using ASTER image data and spectral signatures, paper presented at Remote Sensing for Environmental Monitoring, GIS Applications, and Geology IX, August 31, 2009 - September 3, , SPIE, Berlin, Germany. 107

D'Iorio, M., S. D. Jupiter, S. A. Cochran, and D. C. Potts (2007), Optimizing remote sensing and GIS tools for mapping and managing the distribution of an invasive mangrove (Rhizophora mangle) on South Molokai, Hawaii, *Mar. Geod., 30*(1-2), 125-144.
Disperati, L., R. Salvini, M. Coltorti, A. Pizzi, B. Abebe, G. Pomposo, G. Sacchi, L. Pontarelli, and D. Firuzabadi (2008), ASTER satellite imagery and fieldwork/lab spectral measurements as a tool for geological mapping of the Dire Dawa region (southern Afar margin, Ethiopia), *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 33*, @Abstract 1352415, doi:http://www.cprm.gov.br/33IGC/1352415.html.

Djepa, V. and D. Petrova (2009), Data processing system for monitoring climate variables and processes, involving multispectral space observations in the visible and thermal inrared spectral range, paper presented at 60th International Astronautical Congress 2009, IAC 2009, October 12, 2009 - October 16, , International Astronautical Federation, IAF.
Djepa, V. (2011), Drought prediction using the Along Track Scanning Radiometer (ATSR2) on board ERS2 satellite, *Adv. Space Res., 48*(1), 56-60, doi:10.1016/j.asr.2011.01.026.
Djepa, V. and D. Petrova (2010), Processing of multi-spectral and multi-viewing remote sensing data of land surface, paper presented at 61st International Astronautical Congress 2010, IAC 2010, September 27, 2010 - October 1, , International Astronautical Federation, IAF, Prague, Czech Republic.
Dmochowski, J. E., B. P. Hausback, S. J. Hook, D. C. Pieri, and J. M. Stock (2001), Remote sensing of the Tres Virgenes and Puertecitos volcanic regions, Baja California, Mexico, using the MASTER airborne multi-spectral sensor; Geological Society of America, 2001 annual meeting, *Abstracts with Programs - Geological Society of America, 33*(6), 348.
Dmochowski, J. E. (2005), Application of MODIS-ASTER (MASTER) simulator data to geological mapping of young volcanic regions in Baja California, Mexico, *DAI, 66*(12B), 242-6496. 108

Dmochowski, J. E., J. M. Stock, S. J. Hook, and B. P. Hausback (2003), Revised mapping of the La Reforma Caldera based on remote sensing with master airborne multi-spectral data; Geological Society of America, Cordilleran Section, 99th annual meeting, *Abstracts with Programs - Geological Society of America, 35*(4), 29.
do Nascimento, T. A. F., P. S. de Rezende Nascimento, R. A. Petta, L. A. N. de Paiva, and D. V. G. Silva (2008), Mapeamento geomorfologico da folha Currais Novos atraves de tecnicas de sensoriamento remoto. Geomorphologic mapping of the Currais Novos sheet using remote sensing, paper presented at Sociedade Brasileira de Geologia; 44 degrees congresso, Curitiba, BRA, Brazil, Oct. 26-31, 2008, , Sociedade Brasileira de Geologia, Porto Alegre, Brazil (BRA).
Dohrenwend, J. C. (2004), Rapid progradation of the Colorado and San Juan Deltas into Lake Powell Reservoir, July 2002 to January 2004; Geological Society of America, Rocky Mountain Section, 56th annual meeting; Geological Society of America, Cordilleran Section, 100th annual meeting, *Abstracts with Programs - Geological Society of America, 36*(4), 15.
Doi, N., Y. Yamaguchi, H. Muraoka, H. Sekine, T. Narita, T. Ohno, R. H. Cohen, D. Wenkert, G. N. Geller, A. R. Molloy, and M. Pniel (2001), ASTER target observation scenario, paper presented at Sensors, Systems, and Next-Generation Satellites IV, Sep 25-28 2000, , Society of Photo-Optical Instrumentation Engineers.
Domakinis, C., D. Oikonomidis, and T. Astaras (2008), Landslide mapping in the coastal area between the Strymonic Gulf and Kavala (Macedonia, Greece) with the aid of remote sensing and geographical information systems, *Int. J. Remote Sens., 29*(23), 6893-6915.
Domingues, A. L., M. A. Braga, and T. de Almeida (2008), Application of airborne geophysical data and remote sensing techniques in iron ore exploration, *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 33*, @Abstract 1257156.
Dominguez, A., J. Kleissl, J. C. Luvall, and D. L. Rickman (2011), High-resolution urban thermal sharpener (HUTS), *Remote Sens. Environ., 115*(7), 1772-1780, doi:10.1016/j.rse.2011.03.008. 109

Donaldson Hanna, K. L., A. L. Sprague, R. W. H. Kozlowski, K. Boccafolo, and J. Warell (2007), Mercury and the Moon; initial findings from mid-infrared spectroscopic measurements of the surface; *LPI Contribution, 1338*, @Abstract 2291.
Dong, Y., B. Fu, and Y. Ninomiya (2010), Environmental and landscape changes of Qinghai Lake, N. E. Tibet during the past 30 years, as revealed by satellite remote sensing data, paper presented at 6th International Symposium on Digital Earth: Data Processing and Applications, September 9, 2009 - September 12, , SPIE, Beijing, China.
Dong, Y., B. Fu, and Y. Ninomiya (2009), Geomorphological changes associated with underground coal mining in the Fushun area, northeast China revealed by multitemporal satellite remote sensing data, *Int. J. Remote Sens., 30*(18), 4767-4784, doi:10.1080/01431160802662923.
Dong, Y., B. Fu, and N. Yoshiki (2008), DEM generation methods and applications in revealing of topographic changes caused by coal mining activities, paper presented at International Conference on Earth Observation Data Processing and Analysis, ICEODPA, , SPIE.
Dong, Z., P. Zhao, and W. Hu (2011), Remote sensing images fusion based on a'Trous wavelet and IHS transformation, *Cehui Kexue / Science of Surveying and Mapping, 36*(2), 178-180.

dos Santos, D. R. V., S. B. A. Rolim, A. Roisenberg, A. G. Preissler, E. F. Ramos, R. R. Salomoni, and R. Frizzo (2008), ASTER mapping image and spectral characterization of the southwestern portion of the Parana Basin basalts, and its relationships with platinum groups elements, *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 33*, @Abstract 1257153.
dos Santos, T. V., D. C. Fontana, and R. C. Marques Alves (2010), Evaluation of heat fluxes and evapotranspiration using SEBAL model with data from ASTER sensor, *Pesquisa Agropecuaria Brasileira, 45*(5), 488-496. 110

Dousset, B. (2002), First results of the EOS - Terra ASTER observations over Marseille during the UBL/CLU-ESCOMPTE experiment (2002 - 4Urban); Proceedings of the Fourth AMS Symposium on the Urban Environment.
Dowdeswell, J. A. and T. J. Benham (2003), A surge of Perseibreen, Svalbard, examined using aerial photography and ASTER high resolution satellite imagery, *Polar Res., 22*(2), 373-83.
Dowdeswell, J. A. (2003), Form and flow of Arctic ice caps; remote-sensing investigations from aircraft and satellites, paper presented at IUGG 2003, Sapporo, JPN, Japan, June 30-July 11, 2003, , IUGG, [location varies],.
Dowman, I. and P. Balan (2007), Mapping remote areas using SRTM and ASTER digital elevation model data; a solution to orientation problems, in *Mapping hazardous terrain using remote sensing,* , vol. 283, edited by R. M. Teeuw, pp. 143-147, London, United Kingdom (GBR), Geological Society of London.
Dozier, J. and Z. Wan (1994), Development of practical multiband algorithms for estimating land-surface temperature from EOS/MODIS data, *Advances in Space Research, 14*(3), 10; p. (3)81-(3)90.
Drackett, T. M. and Y. Zaiki (1993), Thermal control subsystem design for the EOS Thermal Infrared Radiometer, paper presented at SAE, International Conference on Environmental Systems, 23rd, Colorado Springs, CO; UNITED STATES; 12-15 July 1993, .
Drechsel, C. A., R. D. Jacobi, J. R. Everett, and R. J. Staskowski (2004), ASTER lineaments, faults, and reservoirs in the Appalachian Basin of New York State; Geological Society of America, Northeastern Section, 38th annual meeting; Geological Society of America, Southeastern Section, 53rd annual meeting, *Abstracts with Programs - Geological Society of America, 36*(2), 146. 111

Drenth, B. J. (2011), Identification of gravity, magnetic, and radiometric geophysical anomalies in Afghanistan, *U.S. Geological Survey Open File Report, 2011-1229*, 10-35, doi:http://pubs.usgs.gov/of/2011/1229/.
Drury, S. A. (2004), Early structural features on the flanks of the Afar-Danakil basin revealed by ASTER image data, *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 32, Part 1*, 628.
D'Sa, E., C. Hall, V. Zanoni, D. Holland, S. Blonski, M. Pagnutti, and J. P. Spruce (2004), Decision Support Tool Evaluation Report for Coral Reef Early Warning System (CREWS) Version 7.0, *SSTI-2220-0051*, 1-65.
Du Wei-jing, Li Shu-min, Li Hong, Sun Dan-feng, and Zhou Lian-di (2010), Spectral Characteristics Analysis and Remote Sensing Inversion of Water Quality Parameters in Han Shiqiao Wetland, *Spectroscopy and Spectral Analysis/Guang Pu Xue Yu Guang Pu Fen Xi, 30*(3), 757-761, doi:10.3964/j.issn.1000-0593(2010)03-0757-05.
Du, M., G. Cai, and D. Qiu (2009), Relationship between urban heat sink and heat energy exchange in Beijing, China, paper presented at Geoscience and Remote Sensing Symposium,2009 IEEE International,IGARSS 2009, , IEEE, Cape Town, South Africa.
Du, M., W. Sun, and G. Cai (2008), Calculation of corridor structure effect on urban heat island using highly spatial resolution satellite images in Beijing, China, paper presented at IGARSS 2008 - 2008 IEEE International Geoscience and Remote Sensing Symposium, , IEEE.
Du, P., P. Liu, H. Zhang, and H. Zhang (2008), Multi-objective processing of ASTER image for urban environmental analysis, paper presented at 2007 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2007, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States, Barcelona, Spain.
Du1, P., H. Zhang1, P. Liu1, K. Tan1, and Z. Yin1 (2007), Land use/cover change in mining areas using multi-source remotely sensed imagery, paper presented at Proceedings of 112

MultiTemp 2007 - 2007 International Workshop on the Analysis of Multi-Temporal Remote Sensing Images, , IEEE.

Ducart, D. F., A. P. Crosta, C. R. S. Filho, and J. Coniglio (2006), Alteration mineralogy at the Cerro La Mina epithermal prospect, Patagonia, Argentina: Field mapping, short-wave infrared spectroscopy, and ASTER images, *Economic Geology, 101*, 981-996.
Duda, K. A. and M. Abrams (2012), ASTER Satellite Observations for International Disaster Management, *Proceedings of the IEEE, 100*(10), 2798-2811, doi:http://dx.doi.org/10.1109/JPROC.2012.2191929.
Duda, K. A. and M. Abrams (2005), ASTER and USGS EROS Disaster Response: Emergency imaging after Hurricane Katrina, *Photogramm. Eng. Remote Sensing, 71*(12), 1346-1350.
Duda, K. A. and M. Abrams (2007), ASTER and USGS EROS emergency imaging for hurricane disasters, *U.S.Geological Survey Circular, C 1306*, 80-86.
Duda, K. A., R. Wessels, M. Ramsey, and J. Dehn (2008), Monitoring volcanic threats using ASTER satellite data, paper presented at 2007 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2007, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Dudley-Murphy, E. A. and G. D. Nash (2003), TIR (ASTER) geothermal anomalies, paper presented at International Collaboration for Geothermal Energy in the Americas - Geothermal Resources Counsil: 2003 Annual Meeting, Oct 12-15 2003, , Geothermal Resources Council, Davis, United States.
Dufour-Lussier, V., F. Le Ber, J. Lieber, and L. Martin (2012), Adapting Spatial and Temporal Cases, in *Case-Based Reasoning Research and Development. Proceedings of 20th International Conference, ICCBR 2012, Lyon, France, September 3-6, 2012,* , vol. 7466, edited by B. Agudo et al, pp. 77-91, Springer Berlin / Heidelberg. 113

Duong, N. D. (2003), WinASEAN 4.0 - AN IMAGE ANALYSIS PACKAGE FOR ENVIRONMENT MONITORING AND NATURAL RESOURCE MANAGEMENT, *Geoinformatics, 14*(1), 59-62.
Durst, K. S., W. I. Rose, R. E. Wolf, and A. Maclean (2006), Analysis of Eruption Rates at Santiaguito, Guatemala Using ASTER and Aerial Derived Digital Elevation Models, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.), V53B-1751.
Dutta, R., A. Stein, and R. M. Bhagat (2011), Integrating satellite images and spectroscopy to measuring green and black tea quality, *Food Chem., 127*(2), 866-874, doi:10.1016/j.foodchem.2010.12.160.
Duuring, P., S. G. Hagemann, Y. Novikova, T. Cudahy, and C. Laukamp (2012), Targeting Iron Ore in Banded Iron Formations Using ASTER Data: Weld Range Greenstone Belt, Yilgarn Craton, Western Australia, *Econ. Geol., 107*(4), 585-597.
Dwyer, J. L. (2001), Land processes data for environmental applications and global change studies available from the EROS Data Center Distributed Active Archive Center, paper presented at IAF, International Astronautical Congress, 52nd, Toulouse, France; INTERNATIONAL ORGANIZATION; 1-5 Oct. 2001, .
Dwyer, J. L. (2006), Remotely sensed data available from the US Geological Survey EROS Data Center, in *Earth science satellite remote sensing; data, computational processing, and tools,* , edited by J. J. Qu et al, Tsinghua University Press, Beijing & Springer-Verlag GmbH Berlin.
E Dongchen and Shen Qiang (2004), Enhanced destriping of satellite data of ice surface in Antarctica, *Chinese Journal of Polar Science, 15*(2), 108-117.
E, D. and Q. Shen (2004), Enhanced Destriping of Satellite Data of Ice Surface in Antarctica, *Chinese Journal of Polar Research, 16*(1), 1-10. 114

E, D., Q. Shen, Y. Xu, and G. Chen (2009), High-accuracy topographical information extraction based on fusion of ASTER stereo-data and ICESat/GLAS data in Antarctica, *Science in China, Series D: Earth Sciences, 52*(5), 714-722.
Ebert, A., E. Banzhaf, and J. McPhee (2009), The influence of urban expansion on the flood hazard in Santiago de Chile: A modeling approach using remote sensing data, paper presented at 2009 Joint Urban Remote Sensing Event, May 20, 2009 - May 22, , IEEE Computer Society.
Ebert, K. A. and A. Yin (2004), A new structural model for the development of the Clemens Well Fault in the San Andreas fault system; Geological Society of America, 2004 annual meeting, *Abstracts with Programs - Geological Society of America, 36*(5), 501.
Eckert, S., T. Kellenberger, and K. Itten (2005), Accuracy assessment of automatically derived digital elevation models from aster data in mountainous terrain, *Int. J. Remote Sens., 26*(9), 1943-1957.
Eckmann, T. C. (2008), Comparing Measures of Subpixel Fire Sizes and Temperatures From ASTER and MODIS, *AGU Fall Meeting Abstracts, 31*, 0304.

Eckmann, T. C., P. E. Dennison, and D. A. Roberts (2006), Retrieving Subpixel Fire Sizes From MODIS Using Multiple Endmember Spectral Mixture Analysis, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
Eckmann, T. C., D. A. Roberts, and C. J. Still (2009), Estimating subpixel fire sizes and temperatures from ASTER using multiple endmember spectral mixture analysis, *Int. J. Remote Sens., 30*(22), 5851-5864, doi:10.1080/01431160902748531.
Eckmann, T. C., D. A. Roberts, and C. J. Still (2008), Using multiple endmember spectral mixture analysis to retrieve subpixel fire properties from MODIS, *Remote Sens. Environ., 112*(10), 3773-3783.
Eckmann, T. C. (2009), Measuring subpixel fire properties to improve global monitoring and understanding of fires, 149. 115

EDGETT, K., M. RAMSEY, and P. CHRISTENSEN (1995), Aerolian erosion, transport, and deposition of volcaniclastic sands among the shifting sand dunes, Christmas Lake Valley, Oregon: TIMS image analysis, paper presented at JPL, Summaries of the Fifth Annual JPL Airborne Earth Science Workshop. Volume 2: TIMS Workshop p 13-16 (SEE N95-33789 12-42); UNITED STATES, .
Ehlers, M., U. Michel, G. Bohmann, and D. Tomowski (2006), Decision based data fusion techniques for the analysis of settlement areas from multisensor satellite data, paper presented at Annual Conference of the American Society for Photogrammetry and Remote Sensing 2006: Prospecting for Geospatial Information Integration, ASPRS 2006, May 1, 2006 - May 5, 2006, Reno, NV, , American Society for Photogrammetry and Remote Sensing.
Eisinger, C. L., M. S. Ramsey, R. L. Wessels, and J. H. Fink (2000), Discriminating compositional variations on the silicic domes of Medicine Lake Volcano, CA, with the new airborne hyperspectral MODIS/ASTER simulator, paper presented at IAVCEI general assembly 2000; Exploring volcanoes; utilization of their resources and mitigation of their hazards, , Volcanological Survey of Indonesia, Indonesia (IDN), Bali, Indonesia.
El Abbas, M. M. and E. Csaplovics (2011), Object-based vs. per-pixel classification of aster imagery for land cover mapping in semi-arid areas, paper presented at Earth Resources and Environmental Remote Sensing/GIS Applications II, September 20, 2011 - September 22, 2011, , SPIE, Prague, Czech republic.
El Desouky, H. A., P. Muchez, S. Dewaele, A. Boutwood, and R. Tyler (2008), Postorogenic origin of the stratiform Cu mineralization at Lufukwe, Lufilian foreland, Democratic Republic of Congo, *Economic Geology, 103*(3), 555-582.
El Desouky, H. A., P. Muchez, S. Dewaele, A. Boutwood, and R. Tyler (2007), The stratiform copper mineralization of the Lufukwe Anticline, Lufilian Foreland, Democratic Republic Congo, paper presented at Geologica Belgica meeting 2006; 2nd Belgian geological congress, Liege, Belgium, Sept. 7-8, 2006, , Geologica Belgica, Brussels, Belgium (BEL). 116

El Tahir, M. E. H., A. Kaab, and C. -. Xu (2010), Identification and mapping of soil erosion areas in the Blue Nile, Eastern Sudan using multispectral ASTER and MODIS satellite data and the SRTM elevation model, *Hydrology and Earth System Sciences, 14*(7), 1167-1178, doi:10.5194/hess-14-1167-2010.
El-adaway, I. H. (2012), Can an Integrated Problem-Based Learning Framework Improve Natural Hazard Management? *J. Prof. Issues Eng. Educ. Pract., 138*(1), 10-13, doi:http://dx.doi.org/10.1061/(ASCE)EI.1943-5541.0000074.
Eldeiry, A. A. M. (2006), Spatial modeling of soil salinity using remote sensing, GIS, and field data, *DAI, 67*(12B), 141-7189.
Elhaddad, A., L. A. Garcia, and J. L. Chavez (2011), Using a surface energy balance model to calculate spatially distributed actual evapotranspiration, *J. Irrig. Drain. Eng., 137*(1), 17-26.
Ellis, J. (1999), NASA satellite systems for the non-renewable resource sector; Special edition on NASA Earth Science Enterprise Program; new applications and partnership opportunities for industry and society [modified], *Earth Observation Magazine, 8*(3), 46-48.
Elmahdy, S. I., S. Mansoor, H. Omer, and O. Alkouri (2008), Toward better mapping the ophiolite rocks of northern part of Oman Mountains using Landsat ETM+ and ASTER images, *International Journal of Geoinformatics, 4*(2), 51-58.
Elmahdy, S. I. (2012), Hydromorphological Mapping and Analysis for Characterizing Darfur Paleolake, NW Sudan Using Remote Sensing and GIS, *International Journal of Geosciences, 3*(1), 25-36, doi:http://dx.doi.org/10.4236/ijg.2012.31004.

El-Nagdy, S. M. (2005), Multi-spectral and hyper-spectral analysis of the Advanced Spaceborne Thermal Emission and Spectrometer (ASTER) data; an example from the Neoproterozoic Um Nar banded iron formation (BIF), Egypt,.
El-Nagdy, S. and M. G. Abdelsalam (2005), Hyper-spectral analysis of the Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) data; examples from the 117

Neoproterozoic Um Nar banded iron formation, Egypt; Geological Society of America, South-Central Section, 39th annual meeting, *Abstracts with Programs - Geological Society of America, 37*(3), 7.
Emery, J. P., D. P. Cruikshank, and J. Van Cleve (2006), Thermal emission spectroscopy (5.2-38 mu m) of three Trojan asteroids with the Spitzer Space Telescope; detection of fine-grained silicates, *Icarus, 182*(2), 496-512, doi:10.1016/j.icarus.2006.01.011.
Enderlin, P. A., L. M. Schoenbohm, B. A. Brooks, and C. Costa (2009), Identifying blind thrust anticlines in the subsurface using drainage patterns; Andean foreland of central Argentina, *EOS Trans. Am. Geophys. Union, 90*(52, Suppl.), Abstract T43B-2074, doi:http://www.agu.org/cgi-bin/SFgate/SFgate?language=English&verbose=0&listenv=table&application=fm09&convert=&convert hl=&refinequery=&formintern=&formextern=&transquery=identifying%20blind%20thrust%20anticline s&_lines=&multiple=0&descriptor=%2fdata%2fepubs%2.
Eneva, M. (2005), Thermal infrared ASTER observations of faults in Southern California, *EOS Trans. Am. Geophys. Union, 86*(52, Suppl.), @Abstract T51B-1346.
Eneva, M., M. Coolbaugh, S. Bjornstad, and J. Combs (2007), Detection of surface temperature anomalies in the Coso geothermal field using thermal infrared remote sensing, paper presented at Geothermal Resources Council - Annual Meeting of the Geothermal Resources Council 2007 "Renewable Baseload Energy: Geothermal Heat Pumps to Engineered Reservoirs", , Geothermal Resources Council, Reno, NV.
Eneva, M., M. Coolbaugh, and J. Combs (2006), Application of satellite thermal infrared imagery to geothermal exploration in east central California, paper presented at GRC 2006 Annual Meeting: Geothermal Resources-Securing Our Energy Future, , Geothermal Resources Council, Davis, CA 95617-1350, United States.
Eng, B. T., A. T. Murray, M. Pniel, G. Geller, C. Leff, and A. A. Schwartz (1996), Implementation of the ASTER science standard data product requirements in the EOSDIS 118

system, paper presented at Earth observing system; Proceedings of the Conference, Denver, CO, Aug. 3-6, 1996; Bellingham, WA, Society of Photo-Optical Instrumentation Engineers (SPIE Proceedings. Vol. 2820), 1996, p. 218-229, , Society of Photo-Optical Instrumentation Engineers, Denver, CO.
Ercanoglu, M. (2005), Landslide susceptibility assessment of SE Bartin (west Black Sea region, Turkey) by artificial neural networks, *Natural Hazards and Earth System Sciences (NHESS), 5*(6), 979-992.
Erdenetuya, M. and D. Narantuya (2007), Environmental monitoring in Mongolia supported with MODIS and FY-2C satellite data, paper presented at 28th Asian Conference on Remote Sensing 2007, ACRS 2007, November 12, 2007 - November 16, 2007, Kuala Lumpur, Malaysia, , Asian Association on Remote Sensing.
Erener, A. and H. S. B. Duzgun (2012), Landslide susceptibility assessment; what are the effects of mapping unit and mapping method? *Environmental Earth Sciences, 66*(3), 859-877, doi:http://dx.doi.org/10.1007/s12665-011-1297-0.
Eroglu, H., G. Cakir, F. Sivrikaya, and A. E. Akay (2010), Using high resolution images and elevation data in classifying erosion risks of bare soil areas in the Hatila Valley Natural Protected Area, Turkey, *Stochastic Environmental Research and Risk Assessment, 24*(5), 699-704, doi:10.1007/s00477-009-0356-5.
Er-Raki, S., A. Chehbouni, J. Hoedjes, J. Ezzahar, B. Duchemin, and F. Jacob (2008), Improvement of FAO-56 method for olive orchards through sequential assimilation of thermal infrared-based estimates of ET, *Agric. Water Manage., 95*(3), 309-321.
Esbah, H., B. Deniz, B. Kara, and B. Kesgin (2010), Analyzing landscape changes in the Bafa Lake Nature Park of Turkey using remote sensing and landscape structure metrics, *Environ. Monit. Assess., 165*(1-4), 617-632, doi:10.1007/s10661-009-0973-y. 119

Esbah, H., B. Kara, B. Deniz, and B. Kesgin (2010), Changing Land Cover Characteristics of a Developing Coastal Town: A Case Study of Didim, Turkey, *J. Coast. Res., 26*(2), 274-282, doi:10.2112/08-1092.1.

Estes, L. D., G. S. Okin, A. G. Mwangi, and H. H. Shugart (2008), Habitat selection by a rare forest antelope: A multi-scale approach combining field data and imagery from three sensors, *Remote Sens. Environ., 112*(5), 2033-2050.
Estes, L. D., P. R. Reillo, A. G. Mwangi, G. S. Okin, and H. H. Shugart (2010), Remote sensing of structural complexity indices for habitat and species distribution modeling, *Remote Sens. Environ., 114*(4), 792-804.
Estes, L. D. (2008), Using remote sensing and distribution modeling to determine the habitat selection and distribution of the rare mountain bongo antelope Tragelaphus eurycerus isaaci, 166.
Evans, E., R. Essery, and R. Lucas (2008), Changing snow cover and the net mass balance of Storglaciaren, northern Sweden, *Annals of Glaciology, 49*, 199-204.
Evans, S. G., N. J. Roberts, and R. H. Guthrie (2006), Use of remote sensing data in the rapid charcaterisation of a major landslide disaster; the case of the catastrophic February 2006 landslide, Leyte Island, Philippines, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
Evans, S. G., N. J. Roberts, A. Ischuk, K. B. Delaney, G. S. Morozova, and O. Tutubalina (2009), Landslides triggered by the 1949 Khait earthquake, Tajikistan, and associated loss of life, *Eng. Geol., 109*(3-4), 195-212.
Everett, J. R., R. J. Staskowski, C. Drechsel, R. D. Jacobi, and S. (. Fletcher (2002), Assessing the contribution of satellite hyperspectral data to petroleum exploration; Forty-first annual OPI conference, Ontario-New York oil and gas conference, paper presented at Forty-first annual 120

OPI conference; Ontario-New York oil and gas conference, Niagara Falls, ON, Canada, Nov. 4-6, 2002, .
Everett, J. R., R. J. Staskowski, and R. D. Jacobi (2004), Geochemical indications of fractured carbonate reservoirs in New York from ASTER data; AAPG annual meeting, *Annual Meeting Expanded Abstracts - American Association of Petroleum Geologists, 13*, 43.
Everett, M. E. (2005), What do electromagnetic induction responses measure? *The Leading Edge (Tulsa, OK), 24*(2), 154-157.
Ezaka, T., Y. Kannari, F. Mills, H. Watanabe, M. Sano, and S. H. Chang (1993), Laboratory test results for an airborne ASTER simulator, paper presented at Sensor systems for the early earth observing system platforms; Proceedings of the Conference, Orlando, FL; UNITED STATES; 13-14 Apr. 1993, , Bellingham.
Ezaka, T., Y. Kannari, F. Mills, H. Watanabe, M. Sano, and Chang Shenghuei (1992), Thermal airborne multispectral ASTER simulator and its preliminary results; 29th international geological congress; abstracts, *International Geological Congress, Abstracts--Congres Geologique Internationale, Resumes, 29*, 982.
Ezaka, T. and H. Watanabe (1995), ASTER simulation data for evaluation of Level 1 processing algorithms, paper presented at Platforms and Systems, Sep 6 1994, , Society of Photo-Optical Instrumentation Engineers, Bellingham, WA, USA, Rome, Italy.
Fadaei, H., T. Sakai, K. Torii, T. Yoshimura, and A. Tada (2010), Landscape structure of arid and semi-arid forest in Iran, paper presented at 31st Asian Conference on Remote Sensing 2010, ACRS 2010, November 1, 2010 - November 5, 2012, Hanoi, Viet Nam, , Asian Association on Remote Sensing.
Faidi, M. A., A. L. Ibrahim, A. W. R. Dan, and T. T. Huey (2010), The capability of eco-physilogal approach to determine net primar productivity (NPP) of tropical rainforest using remote sensing data, paper presented at 31st Asian Conference on Remote Sensing 2010, 121

ACRS 2010, November 1, 2010 - November 5, 2012, Hanoi, Viet Nam, , Asian Association on Remote Sensing.
Fairweather, S., C. Potter, R. Crabtree, and S. Li (2012), A Comparison of Multispectral ASTER and Hyperspectral AVIRIS Multiple Endmember Spectral Mixture Analysis for Sagebrush and Herbaceous Cover in Yellowstone, *Photogramm. Eng. Remote Sensing, 78*(1), 23-33.
Falkowski, M. J., P. E. Gessler, P. Morgan, A. T. Hudak, and A. M. S. Smith (2005), Characterizing and mapping forest fire fuels using ASTER imagery and gradient modeling, *For. Ecol. Manage., 217*(2-3), 129-146.
Fan, J., H. Zhao, and X. Guo (2010), DInSAR for land subsidence monitoring using high resolution COSMO-SkyMed SAR data: Preliminary results compared with ASAR, paper presented at 2010 2nd IITA Conference on Geoscience and Remote Sensing, IITA-GRS 2010, August 28, 2010 - August 31, , IEEE Computer Society, Qingdao, China.

Fan, X., C. J. van Westen, O. Korup, T. Gorum, Q. Xu, F. Dai, R. Huang, and G. Wang (2012), Transient water and sediment storage of the decaying landslide dams induced by the 2008 Wenchuan earthquake, China, *Geomorphology, 171-172*, 58-68, doi:http://dx.doi.org/10.1016/j.geomorph.2012.05.003.
Fang, W., Y. Huang, and G. Han (2011), Modeling autoregressive models in cool island effects associated with remote telemeter technology (ASTER) in Taiwan: A GIS approach, *Procedia Environ. Sci., 10*, 1459-1465, doi:http://dx.doi.org/10.1016/j.proenv.2011.09.233.
Farr, T. G. (2003), Short course: new satellite data for the field geologist,.
Fasbender, D., D. Tuia, P. Bogaert, and M. Kanevski (2008), Support-based implementation of bayesian data fusion for spatial enhancement: Applications to ASTER thermal images, *IEEE Geoscience and Remote Sensing Letters, 5*(4), 598-602. 122

Favier, V., M. Falvey, A. Rabatel, E. Praderio, and D. Lopez (2009), Interpreting discrepancies between discharge and precipitation in high-altitude area of Chile's Norte Chico region (26-32 degrees S), *Water Resour. Res., 45*, W02424, doi:10.1029/2008WR006802.
Feind, R. E., R. M. Welch, and T. A. Berendes (1996), ASTER polar cloud mask, paper presented at Infrared Spaceborne Remote Sensing IV, Aug 6-7 96, .
Feizizadeh, B. and T. Blaschke (2012), Thermal remote sensing for examining the relationship between urban Land surface Temperature and land use/cover in Tabriz city, Iran, paper presented at 2012 IEEE International Geoscience and Remote Sensing Symposium (IGARSS), 22-27 July 2012, Munich, Germany, .
Feldpausch, T. R., A. J. McDonald, C. A. M. Passos, J. Lehmann, and S. J. Riha (2006), Biomass, harvestable area, and forest structure estimated from commercial timber inventories and remotely sensed imagery in southern Amazonia, *For. Ecol. Manage., 233*(1), 121-132.
Feldpausch, T. R. (2006), Selective logging in Amazonia: Forest structure, damage and biogeochemical changes, *DAI, 67*(07B), 140-3523.
Feng, C., J. Ma, Q. Dai, and X. Chen (2004), An improved method for cloud removal in ASTER data change detection, paper presented at 2004 IEEE International Geoscience and Remote Sensing Symposium Proceedings: Science for Society: Exploring and Managing a Changing Planet. IGARSS 2004, Sep 20-24 2004, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Ferguson, D. J., T. D. Barnie, D. M. Pyle, C. Oppenheimer, G. Yirgu, E. Lewi, T. Kidane, S. Carn, and I. Hamling (2010), Recent rift-related volcanism in Afar, Ethiopia, *Earth Planet. Sci. Lett., 292*(3-4), 409-418.
Fernald, K. M. H., M. P. Bleiweiss, T. Schmugge, and W. L. Stein (2010), ASTER observations of the Elephant Butte reservoir in New Mexico, paper presented at Symposium Earth 123

Observation and Water Cycle Science, , European Space Agency, Noordwijk, 2200 AG, Netherlands, Frascati, Italy.
Fernandes, N. R. C. and G. F. Marques (2011), Integration of gis and hydraulic modeling to evaluate the cost of ecological stream flow recovery in irape Dam, Brazil, paper presented at World Environmental and Water Resources Congress 2011: Bearing Knowledge for Sustainability, May 22, 2011 - May 26, 2011, , American Society of Civil Engineers (ASCE), Palm Springs, CA, United states.
Ferreira, C., A. Gomes, and L. Anton (2010), Longitudinal rivers profiles in the Douro Basin, Iberia; differences and general trends, *Geophysical Research Abstracts, 12*, @EGU2010-14328.
Ferrucci, F. (2004), Satellite monitoring of urban areas; Italia 2004; 32nd international geological congress; abstracts, *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 32*, 1227.
Fet, G. N. (2007), Satellite image processing for biodiversity conservation and environmental modeling in Kyrgyz Republic National Park, *MAI, 46*(04), 81-2038.
Fielding, L. W., M. Ozdogan, A. Al-Malki, F. El-Baz, and T. Kusky (2001), Remote sensing of groundwater upwellings off the northeastern coast of Oman by Landsat thermal data; Geological Society of America, 2001 annual meeting, *Abstracts with Programs - Geological Society of America, 33*(6), 346.
Fitzsimmons, K. E. (2007), Morphological variability in the linear dunefields of the Strzelecki and Tirari Deserts, Australia, *Geomorphology, 91*(1-2), 146-160.

Fitzsimmons, K. E. (2003), Longitudinal and transverse dunes of the Lake Eyre Basin, paper presented at Advances in regolith; proceedings of the CRC LEME regional regolith symposia 2003, , Cooperative Research Centre for Landscape Environments and Mineral Exploration, Bentley, West. Aust., Australia (AUS). 124

Fitzsimmons, K. E. and K. L. Harper (2002), Imaging the dunes; desert dune dynamics and ASTER satellite imagery, *Abstracts - Geological Society of Australia, 69*, 45.
Fleming, C., S. H. Marsh, and J. R. A. Giles (2010), Introducing elevation models for geoscience, in *Elevation models for geoscience,* , vol. 345, edited by C. Fleming et al, pp. 1-4, Geological Society of London, London, United Kingdom (GBR).
Flueraru, C., G. Stancalie, V. Craciunescu, and E. Savin (2007), A Validation of MODIS Snowcover Products in Romania: Challenges and Future Directions, *Transactions in GIS, 11*(6), 927-941, doi:10.1111/j.1467-9671.2007.01074.x.
Flynn, L. P., A. J. L. Harris, P. J. Mouginis-Mark, L. R. Geschwind, S. K. Rowland, and K. A. Horton (2002), The Pu'u 'O'o eruption; space-borne remote sensing of the evolving lava flow field; AGU 2002 fall meeting, *EOS Trans. Am. Geophys. Union, 83*(47), 1438.
Foley, D. J. (2011), Differential Movement Across Byrd Glacier, Transantarctic Mountains, Antarctica as Indicated by (U-Th)/He Thermochronology and Geomorphology, 57.
Foley, D., E. Stump, M. van Soest, K. Whipple, and K. Hodges (2011), Differential movement across byrd glacier, Antarctica, as indicated by geomorphological analysis and apatite (u-th)/he thermochronology, *Abstracts with Programs - Geological Society of America, 43*(5), 608, doi:https://gsa.confex.com/gsa/2011AM/finalprogram/abstract_193940.htm.
Folfas, A. P. (2008), Geologic mapping of the Changgo Dome in southern Tibet using ASTER imagery, 105.
Folger, H. W., B. E. Hubbard, J. Duval, A. E. McCafferty, and R. Page (2006), Synergistic use of airborne gamma-ray survey data and ASTER imagery for mapping cross-border radon potential in the lower Rio Grande Valley, South Texas USA and north Tamaulipas Mexico; Geological Society of America, South-Central Section, 40th annual meeting, *Abstracts with Programs - Geological Society of America, 38*(1), 7. 125

Foppa, N., A. Hauser, D. Oesch, S. Wunderle, and R. Meister (2007), Validation of operational AVHRR subpixel snow retrievals over the European Alps based on ASTER data, *Int. J. Remote Sens., 28*(21), 4841-4865.
Foppa, N., S. Wunderle, and A. Hauser (2002), Operational snow cover estimation at subpixel scale using NOAA-AVHRR data, paper presented at Remote Sensing for Environmental Monitoring, GIS Applications, and Geology II, Sep 23-26 2002, , The International Society for Optical Engineering.
Ford, A. L. J., R. R. Forster, R. L. Bruhn, C. F. (. Raymond, and K. (. van der Veen (2003), Ice surface velocity patterns on Seward Glacier, Alaska/Yukon, and their implications for regional tectonics in the Saint Elias Mountains; Papers from the International symposium on Fast glacier flow, *Annals of Glaciology, 36*, 21-28.
Forkuo, E. K. (2011), Flood Hazard Mapping using Aster Image Data with GIS, *International Journal of Geomatics and Geosciences, 1*(4), 932-950.
Forman, S. (2004), Pilot Study for Using Aster Images to map Glacial Geomorphology, 0.
Fornaciai, A., M. Favalli, D. Karatson, S. Tarquini, and E. Boschi (2012), Morphometry of scoria cones, and their relation to geodynamic setting: A DEM-based analysis, *J. Volcanol. Geotherm. Res., 217*, 56-72, doi:http://dx.doi.org/10.1016/j.jvolgeores.2011.12.012.
Forstall, C. W., S. L. Haight, and B. R. Hargreaves (2005), Using ASTER data to quantify riparian canopy area for a range of stream orders in eastern Pennsylvania, USA; Geological Society of America, Northeastern Section, 40th annual meeting, *Abstracts with Programs - Geological Society of America, 37*(1), 57.
Forte, A. M., E. Cowgill, T. Bernardin, O. Kreylos, and B. Hamann (2007), Focusing of 50-80 percent of total Arabia-Eurasia convergence since 5 Ma along the southern margin of the Greater Caucasus; effect of strain localization along the margins of a rigid inclusion within a young orogen? *EOS Trans. Am. Geophys. Union, 88*(52, Suppl.), T13H-07. 126

Forte, A. M., E. Cowgill, T. Bernardin, O. Kreylos, and B. Hamann (2010), Late Cenozoic deformation of the Kura fold-thrust belt, southern Greater Caucasus, *Geological Society of America Bulletin, 122*(3-4), 465-486, doi:10.1130/B26464.1.

Foster, L. A., B. W. Brock, M. E. J. Cutler, and F. Diotri (2012), A physically based method for estimating supraglacial debris thickness from thermal band remote-sensing data, *J. Glaciol., 58*(210), 677-691, doi:http://dx.doi.org/10.3189/2012JoG11J194.
Fourniadis, I. G., J. G. Liu, and P. J. Mason (2007), Landslide hazard assessment in the Three Gorges area, China, using ASTER imagery: Wushan-Badong, *Geomorphology, 84*(1-2), 126-144.
Fourniadis, I. G., J. G. Liu, and P. J. Mason (2007), Regional assessment of landslide impact in the Three Gorges area, China, using ASTER data; Wushan-Zigui, *Landslides, 4*(3), 267-278, doi:10.1007/s10346-007-0080-5.
Foy, N. and L. Copland (2009), Volumetric and area changes of the Kaskawulsh Glacier, Yukon Territory, Canada, *Geophysical Research Abstracts, 11*, EGU2009-1392.
Franca Rocha, W. (2008), Marcadores estratigraficos-espectrais do grupo Una na sub-bacia Campinas, BA. Stratigraphic-spectral markers for the Una Group, Campinas Subbasin, Bahia, paper presented at Sociedade Brasileira de Geologia; 44 degrees congresso, Curitiba, BRA, Brazil, Oct. 26-31, 2008, , Sociedade Brasileira de Geologia,.
Frances, A. P. and M. W. Lubczynski (2011), Topsoil thickness prediction at the catchment scale by integration of invasive sampling, surface geophysics, remote sensing and statistical modeling, *Journal of Hydrology, 405*(1-2), 31-47, doi:http://dx.doi.org/10.1016/j.jhydrol.2011.05.006.
Franco, S. and V. R. Mandla (2012), Evaluation of various classification techniques for land use, land cover with special reference to urban mapping, *International Journal of Earth Sciences and Engineering, 5*(3), 494-500. 127

Franklin, J. (2007), Spectral Mixture Analysis of Aster Images to Estimate Forest Biomass and Habitat, 15.
Franklin, J. (2008), Spectral Mixture Analysis of Aster Images to Estimate Forest Biomass and Habitat, 8.
Franklin, S. E., Y. He, A. Pape, X. Guo, and G. J. McDermid (2011), Landsat-comparable land cover maps using ASTER and SPOT images: a case study for large-area mapping programmes, *Int. J. Remote Sens., 32*(8), 2185-2205, doi:10.1080/01431161003674642.
Fredin, O., L. Rubensdotter, A. van Welden, E. Larsen, A. Lysa, and M. Jensen (2009), Extensive mapping of ice marginal landforms in northern Russia (25 degrees E-112 degrees E); new precise constraints on ice sheet limits of the Eurasian ice sheets in Russia, *EOS Trans. Am. Geophys. Union, 90*(52, SUPPL.), Abstract PP21A-1311, doi:http://adsabs.harvard.edu/abs/2009AGUFMPP21A1311F.
Fredley, J. E. (1992), Accommodation of the EOS AM instrument set using capillary pumped heat transport/technology, paper presented at 22nd International Conference on Environmental Systems, Jul 13-16 1992, , Publ by SAE, Warrendale, PA, USA.
Freemantle, T. P., J. -. Muller, and X. Li (2010), Analysis and intercomparison of ASTER-PRISM-SRTM DEMs using a comparison with GPS observations, paper presented at 2010 Dragon 2 Mid Term Results Symposium, , European Space Agency, Guilin City, China.
FRENCH Andrew N, SCHMUGGE Thomas J, and W. P. KUSTAS (2002), Estimating evapotranspiration over El Reno, Oklahoma with ASTER imagery, *Agronomie : (Paris), 22*, 105-106.
French, A., F. Jacob, T. Schmugge, and W. Kustas (2002), Comparing Two Surface Energy Flux Models Using Aster Imagery Over Jornada, New Mexico, *27*, 3270.
French, A. N., F. Jacob, M. C. Anderson, W. P. Kustas, W. Timmermans, A. Gieske, Z. Su, H. Su, M. F. McCabe, F. Li, J. Prueger, and N. Brunsell (2005), Erratum: Surface energy fluxes 128

with the Advanced Spaceborne Thermal Emission and Reflection radiometer (ASTER) at the Iowa 2002 SMACEX site (USA) (Remote Sensing of Environment (2005) 99:1 (55-65) DOI: 10.1016/j.rse.2005.05. 015), *Remote Sens. Environ., 99*(4), 471.
French, A. N., F. Jacob, M. C. Anderson, W. P. Kustas, W. Timmermans, A. Gieske, Z. Su, H. Su, M. F. McCabe, F. Li, J. Prueger, and N. Brunsell (2005), Surface energy fluxes with the Advanced Spaceborne Thermal Emission and Reflection radiometer (ASTER) at the Iowa 2002 SMACEX site (USA), *Remote Sens. Environ., 99*(1-2), 55-65.
French, A. N., F. Jacob, T. J. Schmugger, and W. P. Kustas (2002), TSEB vs. SEBAL: Comparison of two Surface Energy Flux Models, *51*, 07.
French, A. N., T. Schmugge, J. Ritchie, A. Hsu, F. Jacob, K. Ogawa, and A. Inamdar (2006), Monitoring vegetation cover changes over a semi-arid rangeland with multispectral ASTER thermal infrared emissivities, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).

French, A. N., T. J. Schmugge, and W. P. Kustas (2000), Discrimination of senescent vegetation using thermal emissivity contrast, *Remote Sens. Environ., 74*(2), 249-254.
French, A. N., T. J. Schmugge, and W. P. Kustas (2001), Estimating evapotranspiration with ASTER thermal infrared imagery, paper presented at 2001 International Geoscience and Remote Sensing Symposium (IGARSS 2001), Jul 9-13 2001, , Institute of Electrical and Electronics Engineers Inc.
French, A. N., T. J. Schmugge, J. C. Ritchie, A. Hsu, F. Jacob, and K. Ogawa (2008), Detecting land cover change at the Jornada Experimental Range, New Mexico with ASTER emissivities, *Remote Sens. Environ., 112*(4), 1730-1748.
French, A. N., P. Houser, A. Pinheiro, and J. Meng (2004), Land surface temperature estimation for hydrological assimilation (2004 - 18Hydro).
French, A. N., P. Houser, A. Pinheiro, and J. Meng (2004), Land surface temperature estimation for hydrological assimilation (2004 - 18Hydro). 129

French, A. N., T. J. Schmugge, F. Jacob, and K. Ogawa (2002), Two surface temperature retrieval methods compared over agricultural lands, paper presented at Remote Sensing for Agriculture Ecosystems, and Hydrology IV, Sep 22-25 2002, , The International Society for Optical Engineering.
French, A. N., T. J. Schmugge, and W. P. Kustas (2000), Combined visible-near infrared and multi-band thermal infrared data for discrimination of vegetated and bare surfaces, paper presented at 2000 Internaitonal Geoscience and Remote Sensing Symposium (IGARSS 2000), Jul 24-Jul 28 2000, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ, USA.
French, A. N., T. J. Schmugge, W. P. Kustas, K. L. Brubaker, and J. Prueger (2003), Surface energy fluxes over El Reno, Oklahoma, using high-resolution remotely sensed data, *Water Resour. Res., 39*(6), 31-312.
French, A. N., T. J. Schmugge, J. C. Ritchie, A. Hsu, F. Jacob, and K. Ogawa (2007), Vegetation change detection using thermal band emissivities over Jornada, New Mexico, USA, paper presented at IAHS Symposium on Remote Sensing for Environmental Monitoring and Change Detection - 24th General Assembly of the International Union of Geodesy and Geophysics (IUGG), , IAHS Press.
French, A., F. Jacob, T. Schmugge, and W. Kustas (2002), Comparing surface energy flux models using ASTER imagery over Oklahoma, paper presented at 2002 IEEE International Geoscience and Remote Sensing Symposium (IGARSS 2002), Jun 24-28 2002, , Institute of Electrical and Electronics Engineers Inc.
Freund, F. and D. Ouzounov (2001), Earth-Atmospheric Coupling Prior to Strong Earthquakes Analyzed by IR Remote Sensing Data, *32*, 0627.
Frey, C. M., G. Rigo, and E. Parlow (2007), Urban radiation balance of two coastal cities in a hot and dry environment, *Int. J. Remote Sens., 28*(12), 2695-2712. 130

Frey, C. M. and E. Parlow (2012), Flux measurements in Cairo. Part 2: On the determination of the spatial radiation and energy balance using ASTER satellite data, *Remote Sensing, 4*(9), 2635-2660, doi:http://dx.doi.org/10.3390/rs4092635.
Frey, H., W. Haeberli, A. Linsbauer, C. Huggel, and F. Paul (2010), A multi-level strategy for anticipating future glacier lake formation and associated hazard potentials, *Natural Hazards and Earth System Sciences, 10*(2), 339-352.
Frey, H. (2011), Compilation and applications of glacier inventories using satellite data and digital terrain information, *Schriftenreihe Physische Geographie, 62*, 174, doi:http://www.zora.uzh.ch/58871/.
Frey, H. and F. Paul (2012), On the suitability of the SRTM DEM and ASTER GDEM for the compilation of topographic parameters in glacier inventories, *Int. J. Appl. Earth Obs. Geoinf., 18*, 480-490, doi:http://dx.doi.org/10.1016/j.jag.2011.09.020.
Frey, H., F. Paul, and T. Strozzi (2012), Compilation of a glacier inventory for the western Himalayas from satellite data: methods, challenges, and results, *Remote Sens. Environ., 124*, 832-843, doi:http://dx.doi.org/10.1016/j.rse.2012.06.020.
Friesen, E., N. Miller, R. Stern, S. Arafat, and M. G. Abdelsalam (2005), Remote sensing and GIS as a cyberreconnaisance tool in northern Ethiopia and southern Eritrea; Geological Society of America, 2005 annual meeting, *Abstracts with Programs - Geological Society of America, 37*(7), 108.
Fronabarger, A. K. and N. S. Levine (2004), The use of satellite data to map source rocks for the Theban necropolis near Luxor, Egypt; Geological Society of America, Northeastern Section, 38th annual meeting; Geological Society of America, Southeastern Section, 53rd annual meeting, *Abstracts with Programs - Geological Society of America, 36*(2), 65.

Fu B, W. M. , Ninomiya Y, and T. Y. (1999), The emissivity of rock samples collected from Yarlung Zangbo ophiolite belt, south Tibet, China. 131

Fu Bihong, Y. Awata, J. Du, Y. Ninomiya, and W. He (2005), Complex geometry and segmentation of the surface rupture associated with the 14 November 2001 great Kunlun earthquake, northern Tibet, China, *Tectonophysics, 407*(1-2), 43-63, doi:10.1016/j.tecto.2005.07.002.
Fu, B. and A. Lin (2003), Spatial distribution of the surface rupture zone associated with the 2001 Ms 8.1 Central Kunlun earthquake, northern Tibet, revealed by satellite remote sensing data, *Int. J. Remote Sens., 24*(10), 2191-2198.
Fu, B. H., G. D. Zheng, Y. Ninomiya, C. Y. Wang, and G. Q. Sun (2007), Mapping hydrocarbon-induced mineralogical alteration in the northern Tian Shan using ASTER multispectral data, *Terra Nova, 19*(4), 225-231.
Fu, B. M. K. and Y. Ninomiya (1998), The preliminary analysis and evaluation of remote sensing data for lithologic mapping in Beishan area, northwestern Gansu Province, China.
Fu, B., Y. Awata, J. Du, and W. He (2005), Late Quaternary systematic stream offsets caused by repeated large seismic events along the Kunlun Fault, northern Tibet, *Geomorphology, 71*(3-4), 278-292, doi:10.1016/j.geomorph.2005.03.001.
Fu, B., Y. Ninomiya, X. Lei, T. Azuma, and Y. Awata (2004), Mapping the active fault triggered the 2003 MW 6.6 Bam (SE Iran) earthquake with ASTER DEM and 3D images; Italia 2004; 32nd international geological congress; abstracts, *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 32, Part 2*, 1181.
Fu, B., Y. Ninomiya, X. Lei, S. Toda, and Y. Awata (2004), Mapping active fault associated with the 2003 Mw 6.6 Bam (SE Iran) earthquake with ASTER 3D images, *Remote Sens. Environ., 92*(2), 153-157.
Fuchs, H., P. Magdon, C. Kleinn, and H. Flessa (2009), Estimating aboveground carbon in a catchment of the Siberian forest tundra: Combining satellite imagery and field inventory, *Remote Sens. Environ., 113*(3), 518-531. 132

Fuckner, M. A. (2008), ASTER Image Application in the Urban Environmental Study of Sao Paulo and Rio de Janeiro, *INPE-15203-TDI/1303*, 235.
Fujimura Hisashi and G. Y. (1999), Spectral reflectance characteristic of masa soil.
Fujisada, H. (1998), ASTER Level-1 data processing algorithm, *IEEE Trans. Geosci. Remote Sens., 36*(4), 1101-1112.
Fujisada, H., J. B. Lurie, and K. Weber (2001), Fifth Conference on Sensors, Systems, and Next-Generation Satellites, Toulouse, France, Sept. 17-21, 2001, paper presented at UNITED STATES, .
FUJISADA, H. and A. ONO (1992), Preliminary design concept and development targets of Japanese optical sensor for EOS-A, *Advances in Space Research, 12*(7), 323-326.
Fujisada, H. and A. Ono (1994), Observational performance of ASTER instrument on EOS-AM1 spacecraft, *Advances in Space Research, 14*(3), 4; p. (3)147-(3)150.
Fujisada, H., F. Sakuma, A. Ono, and M. Kudoh (1998), Design and preflight performance of ASTER instrument protoflight model, *IEEE Trans. Geosci. Remote Sens., 36*(4), 1152-1160.
Fujisada, H. (1994), Overview of ASTER instrument on EOS-AM1 platform, paper presented at Infrared spaceborne remote sensing II; Proceedings of the Conference, San Diego, CA; UNITED STATES; 27-29 July 1994, , Bellingham.
Fujisada, H. (1995), Design and performance of ASTER instrument, paper presented at Advanced and Next-Generation Satellites, Sep 25-28 95, , Society of Photo-Optical Instrumentation Engineers, Bellingham, WA, USA.
Fujisada, H. (1995), Overview of ASTER Instrument. *Journal of Remote Sensing Society of Japan, 15,NO.2*, PAGE.100-107. 133

Fujisada, H., G. B. Bailey, G. G. Kelly, S. Hara, and M. J. Abrams (2005), ASTER DEM performance, *IEEE Trans. Geosci. Remote Sens., 43*(12), 2707-2713.
Fujisada, H., A. Iwasaki, and S. Hara (2001), ASTER stereo system performance, paper presented at Sensors, Systems, and Next-Generation Satellites V, Sep 17-20 2001, , The International Society for Optical Engineering.

Fujisada, H., A. Iwasaki, F. Sakuma, S. Hara, and H. Watanabe (2004), Comprehensive performance of ASTER instrument over four years of operation, paper presented at Sensors, Systems, and Next-Generation Satellites VIII, Sep 13-15 2004, , International Society for Optical Engineering, Bellingham, WA 98227-0010, United States.
Fujisada, H. and A. Ono (1991), Overview of ASTER design concept, paper presented at Future European and Japanese Remote-Sensing Sensors and Programs, Apr 1-2 1991, , Publ by Int Soc for Optical Engineering, Bellingham, WA, USA.
Fujisada, H. and A. Ono (1993), Anticipated performance of ASTER instrument in EM design phase (elevation model), paper presented at Sensor systems for the early earth observing system platforms; Proceedings of the Conference, Orlando, FL; UNITED STATES; 13-14 Apr. 1993, , Bellingham.
Fujisada, H., M. Urai, and A. Iwasaki (2011), Advanced Methodology for ASTER DEM Generation, *IEEE Transactions on Geoscience and Remote Sensing, 49*(12), 5080-5091, doi:http://dx.doi.org/10.1109/TGRS.2011.2158223.
Fujisada, H., M. Urai, and A. Iwasaki (2012), Technical Methodology for ASTER Global DEM, *IEEE Trans Geosci Remote Sens, 50*(10 pt. 1), 3725-3736, doi:http://dx.doi.org/10.1109/TGRS.2012.2187300.
Fujisada, H. and H. Watanabe (1995), ASTER Level-1 data processing concept, paper presented at Platforms and Systems, Sep 6 1994, , Society of Photo-Optical Instrumentation Engineers, Bellingham, WA, USA. 134

Fujita, K., R. Suzuki, T. Nuimura, and A. Sakai (2008), Performance of ASTER and SRTM DEMs, and their potential for assessing glacial lakes in the Lunana region, Bhutan Himalaya, *J. Glaciol., 52*(185), 220-228.
Fujita, K. (2009), Re-evaluation of potential of glacial lake outburst flood in the Himalayas, *Summaries of JSSI and JSSE Joint Conference on Snow and Ice Research, 2009*, 169-169, doi:https://www.jstage.jst.go.jp/article/jcsir/2009/0/2009_0_169/_article.
Fujita, K., A. Sakai, T. Nuimura, S. Yamaguchi, and R. R. Sharma (2009), Recent changes in Imja Glacial Lake and its damming moraine in the Nepal Himalaya revealed by in situ surveys and multi-temporal ASTER imagery, *Environmental Research Letters, 4*(4), 045205, doi:10.1088/1748-9326/4/4/045205.
Fukue, K. (1995), Preliminary study of image browsing system. *Tokai Daigaku Sogo Kagaku Gijutsu Kenkyujo Kenkyukai Shiryoshu, NO.14(1994)*, PAGE.76-86.
Fukue, K., H. Fujisada, and M. Tokunaga (1996), New approach to ASTER orthoimage generation, paper presented at Infrared Spaceborne Remote Sensing IV, Aug 6-7 96, .
Fukui, Y. (2003), A study on surface temperature patterns in the Tokyo Metropolitan area using ASTER data, *Geosciences Journal, 7*(4), 343-346.
Fukui, Y., Y. Hirose, and N. Mushiake (2002), A study on the surface temperature distribution and the urban structure in Tokyo with ASTER and LIDAR data, paper presented at 2002 IEEE International Geoscience and Remote Sensing Symposium (IGARSS 2002), Jun 24-28 2002, , Institute of Electrical and Electronics Engineers Inc.
Fukushima, M. (1995), Thermal control system of ASTER, paper presented at SAE 1994 Transactions, Journal of Aerospace. Section 1 - Vol. 103 (A96-40177 11-31); UNITED STATES, , Warrendale. 135

Fukushima, M. (1995), Thermal control system of ASTER. II, paper presented at SAE, International Conference on Environmental Systems, 25th, San Diego, CA; UNITED STATES; 10-13 July 1995, .
Fuller, D. O., A. Troyo, O. Calderon-Arguedas, and J. C. Beier (2010), Dengue vector (Aedes aegypti) larval habitats in an urban environment of Costa Rica analysed with ASTER and QuickBird imagery, *Int. J. Remote Sens., 31*(1), 3-11, doi:10.1080/01431160902865756.
Funahashi Manabu, Setojima Masahiro, Okazaki Ryota, I. Y. , and K. Yamamoto (2003), Examination about grasp of the tree height of urban forests by ASTR data.
Funahashi Manabu, Setojima Masahiro, Okazaki Ryota, Kawai Masaki, I. Y. , and K. Okada (2005), Examination about grasp of the tree hieght of forest area by ASTR data.
FUNAHASHI, M., M. KAWAI, M. SETOJIMA, Y. IMAI, and T. Tachikawa (2006), Examination of forecast accuracy improvement of variation of vegetation by satellite data.
Fung, T., L. L. H. So, Y. Chen, P. Shi, and J. Wang (2008), Analysis of green space in Chongqing and Nanjing, cities of China with ASTER images using object-oriented image classification and landscape metric analysis, *Int. J. Remote Sens., 29*(24), 7159-7180.

Fung, W. Y., K. S. Lam, J. Nichol, and M. S. Wong (2009), Derivation of Nighttime Urban Air Temperatures Using a Satellite Thermal Image, *Journal of Applied Meteorology and Climatology, 48*(4), 863-872, doi:10.1175/2008JAMC2001.1.
Furusawa Yusuke, Todate Yoshiyasu, Minomura Mitsuo, Kuze Hiroaki, and T. N. (2003), Atmospheric correction of Landsat -5/TM data using the 6S code-Derivation of aerosol distribution.
Furuta, A., W. Shiraki, and S. Obayashi (2004), Examination of a Generation Method for the ASTER-NDVI Image at the Non-Observational Day Using MODIS Data to be Observed on Two Different Days, *Papers on Environmental Information Science, 19*(SPACE), 59-64. 136

Furuya, N., H. Saito, Y. Awaya, M. Watanabe, and T. Namura (2007), Monitoring fallow vegetation recovery after shifting cultivation using high resolution satellite imagery, paper presented at 28th Asian Conference on Remote Sensing 2007, ACRS 2007, November 12, 2007 - November 16, 2007, Kuala Lumpur, Malaysia, , Asian Association on Remote Sensing.
Fusetti, E., G. Perrone, M. Morelli, and P. Cadoppi (2012), Analysis of the fault pattern in the Lower Lanzo Valley (italian Western Alps): a multi-scale integrated approach, *Ital. J. Geosci., 131*(2), 286-301, doi:http://dx.doi.org/10.3301/IJG.2012.23.
Futoshi, F., O. Keishi, and K. Endo (1997), Spaceborne Cryocooler for Infrared Sensors. *Fuji Electric Journal, 70,NO.6*, PAGE.338-342.
Gabr, S. S. (2009), Structural and remote sensing studies of gold mineralization and associated alteration in Abu-Marawat area, northern Eastern Desert, Egypt, 1-134.
Gabr, S., A. Ghulam, and T. Kusky (2010), Detecting areas of high-potential gold mineralization using ASTER data, *Ore Geology Reviews, 38*(1-2), 59-69.
Gad, S. and T. Kusky (2007), ASTER spectral ratioing for lithological mapping in the arabian-nubian shield, the neoproterozoic Wadi Kid area, Sinai, Egypt, *Gondwana Research, 11*(3), 326-335.
Gad, S. A. (2007), Proterozoic geologic and tectonic evolution of the Wadi Kid area, Sinai, Egypt, based on field and satellite remote sensing studies, *DAI, 68*(09B), 137-5818.
Gad, S., M. El-Shafei, and T. Kusky (2004), Integrated satellite remote sensing and field based structural analysis of the late Proterozoic Wadi Kid metamorphic belt, Sinai Peninsula, Egypt; Geological Society of America, North-Central Section, 38th annual meeting; 2004 abstracts with programs, *Abstracts with Programs - Geological Society of America, 36*(3), 19.
Gad, S. and A. Raef (2012), Factor analysis approach for composited ASTER band ratios and wavelet transform pixel-level image fusion: Lithological mapping of the Neoproterozoic Wadi 137

Kid area, Sinai, Egypt, *Int. J. Remote Sens., 33*(5), 1488-1506, doi:http://dx.doi.org/10.1080/01431161.2011.577106.
Galleguillos, M., F. Jacob, L. Prevot, A. French, and P. Lagacherie (2011), Comparison of two temperature differencing methods to estimate daily evapotranspiration over a Mediterranean vineyard watershed from ASTER data, *Remote Sensing of Environment, 115*(6), 1326-1340.
Galleguillos, M., F. Jacob, L. Prevot, P. Lagacherie, and S. Liang (2011), Mapping Daily Evapotranspiration Over a Mediterranean Vineyard Watershed, *Ieee Geoscience and Remote Sensing Letters, 8*(1), 168-172, doi:10.1109/LGRS.2010.2055230.
Gallo, K. and L. Ji (2004), Multi-sensor Analysis of Urban Ecosystems, paper presented at Space 2004 Conference and Exhibit; San Diego, CA; USA; 28-30 Sept. 2004, , American Institute of Aeronautics and Astronautics.
Galster, J. C., E. McFadden, J. M. Ramage, and D. T. Rodbell (2006), The Spatial Variation of Modern and LLGM Reconstructed ELAs in the Cordilleras Raura and Huayhuash, Peru, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
Galvao, L. S., R. Almeida, and I. Vitorello (2005), Spectral discrimination of hydrothermally altered materials using ASTER short-wave infrared bands: Evaluation in a tropical savannah environment, *International Journal of Applied Earth Observation and Geoinformation, 7*(2), 107-114.
Galvao, L. S., A. R. Formaggio, and D. A. Tisot (2006), The influence of spectral resolution on discriminating Brazilian sugarcane varieties, *Int. J. Remote Sens., 27*(4), 769-777.
Galvao, L. S., A. R. Formaggio, E. G. Couto, and D. A. Roberts (2008), Relationships between the mineralogical and chemical composition of tropical soils and topography from hyperspectral remote sensing data, *ISPRS Journal of Photogrammetry and Remote Sensing, 63*(2), 259-271. 138

Gamanya, R., P. De Maeyer, and M. De Dapper (2007), An automated satellite image classification design using object-oriented segmentation algorithms: A move towards standardization, *Expert Syst. Appl., 32*(2), 616-624.
Ganas, A., E. Lagios, G. Petropoulos, and B. Psiloglou (2010), Thermal imaging of Nisyros volcano (Aegean Sea) using ASTER data: Estimation of radiative heat flux, *Int. J. Remote Sens., 31*(15), 4033-4047.
Ganev, P. N. and A. Yin (2005), Geometry and kinematics of active faults in the Mongolian-Chinese Altai Mountains; results from analysis of ASTER and DISP satellite images; AGU 2005 fall meeting, *EOS Trans. Am. Geophys. Union, 86*(52, Suppl.), @Abstract T41A-1269.
Gangopadhyay, P. K., B. Maathuis, and P. Van Dijk (2005), ASTER-derived emissivity and coal-fire related surface temperature anomaly: A case study in Wuda, north China, *Int. J. Remote Sens., 26*(24), 5555-5571.
Gangopadhyay, P. K., F. van der Meer, and P. van Dijk (2009), Detecting anomalous CO2 flux using space borne spectroscopy, *International Journal of Applied Earth Observation and Geoinformation, 11*(1), 1-7, doi:10.1016/j.jag.2008.03.004.
Gangopadhyay, P. K., F. Van der Meer, P. M. Van Dijk, and K. Saha (2012), Use of satellite-derived emissivity to detect coalfire-related surface temperature anomalies in Jharia coalfield, India, *Int. J. Remote Sens., 33*(21), 6942-6955, doi:http://dx.doi.org/10.1080/01431161.2012.695093.
Gani, N. D. S. and M. G. Abdelsalam (2006), Remote sensing analysis of the Gorge of the Nile, Ethiopia with emphasis on Dejen-Gohatsion region, *J. Afr. Earth Sci., 44*(2), 135-150.
Gani, N. D. (2006), Geological evolution and incision history of the Gorge of the Nile on Ethiopian Plateau from remote sensing and geographic information system analysis, and field studies, *DAI, 67*(03B), 148-1333. 139

Gao HaiLiang, Gu XingFa, Yu Tao, Gong Hui, Li JiaGuo, and Li XiaoYing (2010), HJ-1A HSI on-orbit radiometric calibration and validation research, *Science China-Technological Sciences, 53*(11), 3119-3128, doi:10.1007/s11431-010-4113-2.
Gao, F. and J. Masek (2007), Retrieving Moderate Resolution Biophysical Parameters by Fusing Landsat-like Data and MODIS Land Products, *EOS Transactions, American Geophysical Union, 88*(52,; Suppl. Volume 1-2).
Gao, F., J. G. Masek, and R. E. Wolfe (2009), Automated registration and orthorectification package for Landsat and Landsat-like data processing, *Journal of Applied Remote Sensing, 3*, 033515, doi:10.1117/1.3104620.
Gao, F., J. G. Masek, R. E. Wolfe, and C. Huang (2010), Building a consistent medium resolution satellite data set using moderate resolution imaging spectroradiometer products as reference, *Journal of Applied Remote Sensing, 4*, 043526, doi:10.1117/1.3430002.
Gao, F., J. G. Masek, R. E. Wolfe, and B. Tan (2010), Normalizing landsat and ASTER data using MODIS data products for forest change detection, paper presented at 2010 30th IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2010, July 25, 2010 - July 30, , Institute of Electrical and Electronics Engineers Inc, Honolulu, HI.
Gao, J. (2008), Mapping of land degradation from ASTER data: A comparison of object-based and pixel-based methods, *Giscience & Remote Sensing, 45*(2), 149-166.
Gao, J. and Y. S. Liu (2008), Mapping of land degradation from space: a comparative study of Landsat ETM+ and ASTER data, *Int. J. Remote Sens., 29*(14), 4029-4043.
Gao, J. and Y. Liu (2010), Determination of land degradation causes in Tongyu County, Northeast China via land cover change detection, *International Journal of Applied Earth Observation and Geoinformation, 12*(1), 9-16, doi:10.1016/j.jag.2009.08.003. 140

Gao, J. and J. Maro (2010), Topographic controls on evolution of shallow landslides in pastoral Wairarapa, New Zealand, 1979-2003, *Geomorphology, 114*(3), 373-381, doi:10.1016/j.geomorph.2009.08.002.
Garcia, M., L. Villagarcia, S. Contreras, F. Domingo, and J. Puigdefabregas (2007), Comparison of three operative models for estimating the surface water deficit using ASTER reflective and thermal data, *Sensors, 7*(6), 860-883.
Garcia, M., C. Oyonarte, L. Villagarcia, S. Contreras, F. Domingo, and J. Puigdefabregas (2008), Monitoring land degradation risk using ASTER data: The non-evaporative fraction as an indicator of ecosystem function, *Remote Sens. Environ., 112*(9), 3720-3736.

Garcia-Gomez, M. and F. T. Maestre (2011), Remote sensing data predict indicators of soil functioning in semi-arid steppes, central Spain, *Ecological Indicators, 11*(5), 1476-1481.
Garcia-Moreno, F., G. Fargant, F. Guerin, C. Israbian, J. C. Mathieu, J. Michaud, A. Bardoux, O. Hagolle, and J. P. Lagouarde (2009), MISTIGRI Instrumental concept for high resolution thermal infrared imaging, paper presented at Infrared Spaceborne Remote Sensing and Instrumentation XVII, August 5, 2009 - August 6, , SPIE, San Diego, CA.
Garcia-Villacorta, R. (2005), Linking floristic patterns to edaphic gradients and remote sensing in Peruvian Amazonia, *MAI, 44*(01), 82-241.
Gardelle, J., Y. Arnaud, and E. Berthier (2011), Contrasted evolution of glacial lakes along the Hindu Kush Himalaya mountain range between 1990 and 2009, *Global Planet. Change, 75*(1-2), 47-55, doi:10.1016/j.gloplacha.2010.10.003.
Gebremichael, M., J. Wang, and T. W. Sammis (2010), Dependence of remote sensing evapotranspiration algorithm on spatial resolution, *Atmos. Res., 96*(4), 489-495.
Gebreslasie, M. T., F. B. Ahmed, and J. A. N. van Aardt (2008), Estimating plot-level forest structural attributes using high spectral resolution ASTER satellite data in even-aged 141

Eucalyptus plantations in southern KwaZulu-Natal, South Africa, *Southern Forests, 70*(3), 227-236, doi:10.2989/SF.2008.70.3.6.667.
Gebreslasie, M. T., F. B. Ahmed, and J. A. N. van Aardt (2009), Image-based reflectance conversion of ASTER and IKONOS imagery as precursor to structural assessment of plantation forests in KwaZulu-Natal, South Africa, *Southern Forests, 71*(4), 259-265, doi:10.2989/SF.2009.71.4.2.1029.
Gebreslasie, M. T., F. B. Ahmed, and J. A. N. van Aardt (2010), Predicting forest structural attributes using ancillary data and ASTER satellite data, *International Journal of Applied Earth Observation and Geoinformation, 12*, S23-S26, doi:10.1016/j.jag.2009.11.006.
Geek, J. and M. Nolan (2006), Volume Change of Brooks Range Glaciers 1956-2004, paper presented at 2006 Arctic Science Conference, Fairbanks, AK (USA), 2-4 Oct 2006, , American Association for the Advancement of Science.
Geller, G. (1999), ASTER Standard Data Product Specification,.
Geller, G. N., M. Pniel, and N. Dehghani (2001), ASTER science data processing development: a look back, paper presented at IGARSS 2001, .
Genkova, I., G. Seiz, P. Zuidema, G. Zhao, and L. Di Girolamo (2007), Cloud top height comparisons from ASTER, MISR, and MODIS for trade wind cumuli, *Remote Sens. Environ., 107*(1-2), 211-222.
Genkova, I., G. Zhao, G. Seiz, E. Snodgrass, M. Colon, L. di Girolamo, and B. Rauber (2005), Validation of trade wind cumulus cloud properties derived from meteorological satellites, paper presented at Remote Sensing of Clouds and the Atmosphere X; Bruges; Belgium; 19-21 Sept. 2005, .
Genu, A. M. and J. A. M. Dematte (2012), Spectroradiometry of soil and comparison with orbital sensors, *Bragantia, 71*(1), 82-89. 142

George, R., R. Bohannon, L. Snee, and P. Chirico (2004), Using satellite-based mapping and reconnaissance field work to assess the emerald resources of the Panjsher Valley, Afghanistan; Geological Society of America, 2004 annual meeting, *Abstracts with Programs - Geological Society of America, 36*(5), 583.
Georgiou, S., A. Shepherd, M. McMillan, and P. Nienow (2009), Seasonal evolution of supraglacial lake volume from ASTER imagery, *Annals of Glaciology, 50*(52), 95-100.
Gerace, A., M. Gartley, J. Schott, N. Raqueno, and R. Raqueno (2011), Data-driven simulations of the Landsat Data Continuity Mission (LDCM) platform, paper presented at Algorithms and Technologies for Multispectral, Hyperspectral, and Ultraspectral Imagery XVII, April 25, 2011 - April 28, 2011, , SPIE, Orlando, FL, United states.
Gersman, R., E. Ben-Dor, M. Beyth, and D. Avigad (2006), Hyperspectral remote sensing as a tool for geological exploration; examples from the northern Danakil Depression, Eritrea, *Annual Meeting - Israel Geological Society, 2006*, 44.
Gersman, R., E. Ben-Dor, M. Beyths, D. Avigad, M. Abraha, and A. Kibreab (2008), Mapping of hydrothermally altered rocks by the EO-1 hypersion sensor, northern Danakil Depression, Eritrea, *Int. J. Remote Sens., 29*(13-14), 3911-3936, doi:http://dx.doi.org/10.1080/01431160701874587.
Ghaffari, A., G. Priestnall, and M. L. Clarke (2006), Artificial neural networks and decision tree classifier performance on medium resolution ASTER data to detect gully networks in southern Italy, paper presented at Image Processing: Algorithms and Systems, Neural Networks, and Machine Learning, , SPIE - The International Society for Optical Engineering.

Ghanbari, F. and S. Shataee (2008), Capability investigation of ASTER imagery for mixed hardwood forest types classification, paper presented at 29th Asian Conference on Remote Sensing 2008, ACRS 2008, November 10, 2008 - November 14, 2008, Colombo, Sri Lanka, , Asian Association on Remote Sensing. 143

Ghoneim, E. M., M. Ozdogan, A. Almulla, M. Koch, K. Ahmad, and F. El-Baz (2005), Thermal anomalies in eastern Arabia; implication to groundwater recharge; Geological Society of America, 2005 annual meeting, *Abstracts with Programs - Geological Society of America, 37*(7), 107.
Ghrefat, H. A. and P. C. Goodell (2011), Land cover mapping at Alkali Flat and Lake Lucero, White Sands, New Mexico, USA using multi-temporal and multi-spectral remote sensing data, *Int. J. Appl. Earth Obs. Geoinf., 13*(4), 616-625, doi:10.1016/j.jag.2011.03.009.
Ghrefat, H. A., P. C. Goodell, B. E. Hubbard, and R. E. Al Douri (2004), Spectral dimensionality comparison between multispectral Landsat 7 ETM+, ASTER, and EO-1 ALI, and hyperspectral AVIRIS and Hyperion; Geological Society of America, 2004 annual meeting, *Abstracts with Programs - Geological Society of America, 36*(5), 140.
Ghrefat, H. A. (2004), Hyperspectral and multispectral studies of evaporite minerals at White Sands, New Mexico, *DAI, 65*(03B), 384-1490.
Ghulam, A., R. Amer, and T. M. Kusky (2010), Mineral exploration and alteration zone mapping in Eastern Desert of Egypt using aster data, paper presented at American Society for Photogrammetry and Remote Sensing Annual Conference 2010: Opportunities for Emerging Geospatial Technologies, April 26, 2010 - April 30, 2010, San Diego, CA, United States, , American Society for Photogrammetry and Remote Sensing.
Ghulam, A. and Q. Qin (2007), Calculation of ETM + broadband albedos by radiative simulations, *Beijing Daxue Xuebao (Ziran Kexue Ban)/Acta Scientiarum Naturalium Universitatis Pekinensis, 43*(4), 474-483.
Giacco, F., C. Thiel, L. Pugliese, S. Scarpetta, and M. Marinaro (2010), Uncertainty Analysis for the Classification of Multispectral Satellite Images Using SVMs and SOMs, *IEEE Trans. Geosci. Remote Sens., 48*(10), 3769-3779, doi:10.1109/TGRS.2010.2047863. 144

Gianinetto, M. (2012), Automatic Co-Registration of Satellite Time Series, *Photogramm. Rec., 27*(140), 462-470, doi:http://dx.doi.org/10.1111/j.1477-9730.2012.00689.x.
Giardino, M., W. Alberto, and L. Perotti (2008), Integrazione di geomatica e geomorfologia per l'analisi delle morfostrutture e delle deformazioni gravitative profonde di versante applicazioni in Valle di Susa (Alpi Occidentali). Geomatics and geomorphology integration for the analysis of morphostructures and deep-seated gravitational slope deformations; application in the Susa Valley (Western Alps), *Memorie Descrittive della Carta Geologica d'Italia, 78*, 105-112.
Gichamo, T. Z., I. Popescu, A. Jonoski, and D. Solomatine (2012), River cross-section extraction from the ASTER global DEM for flood modeling, *Environmental Modelling and Software, 31*, 37-46, doi:http://dx.doi.org/10.1016/j.envsoft.2011.12.003.
Gieske, A. S., M. T. Wubett, W. J. Timmermans, G. N. Parodi, P. Wolski, and A. Arneth (2004), Temperature-emissivity separation with ASTER and LANDSAT 7 imagery validation on the fringe of the Okavango Delta, Botswana, paper presented at Remote Sensing for Agriculture, Ecosystems, and Hydrology V; Barcelona, Spain; Sep. 8-10, 2003, .
Giglio, L., J. Descloitres, C. O. Justice, and Y. J. Kaufman (2003), An Enhanced Contextual Fire Detection Algorithm for MODIS, *Remote Sens. Environ., 87*(2-3), 273-282, doi:10.1016/S0034-4257(03)00184-6.
Giglio, L. (2006), Detection, evaluation, and analysis of global fire activity using MODIS data, *DAI, 67*(03B), 246-1344.
Giglio, L., I. Csiszar, A. Restas, J. T. Morisette, W. Schroeder, D. Morton, and C. O. Justice (2008), Active fire detection and characterization with the advanced spaceborne thermal emission and reflection radiometer (ASTER), *Remote Sens. Environ., 112*(6), 3055-3063.
Gigliotti, T. J. (2004), Mapping macrophyte vegetation in Onondaga Lake using IKONOS and ASTER image data (New York), *MAI, 42*(05), 101-1836. 145

Gilani, H., U. Saeed, S. Ashraf, and A. Daud (2008), Extraction of Digital Elevation Model from stereo satellite data, paper presented at 29th Asian Conference on Remote Sensing 2008, ACRS 2008, November 10, 2008 - November 14, 2008, Colombo, Sri Lanka, , Asian Association on Remote Sensing.

Gilbertson, D. M., K. P. Hefferan, H. Admou, and A. Bond (2003), A comparison of ASTER and Landsat TM imagery, Bou Azzer Inlier, Morocco; Geological Society of America, 2003 annual meeting, *Abstracts with Programs - Geological Society of America, 35*(6), 259.
Gilichinsky, M., D. Melnikov, I. Melekestsev, M. Inbar, and N. Zaretzkaya (2008), Remote sensing morphometric measurements of cinder cones in Tolbachik volcanic field (central Kamchatka), *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 33*, @Abstract 1338153, doi:http://www.cprm.gov.br/33IGC/1338153.html.
Gilichinsky, M., D. Melnikov, I. Melekestsev, N. Zaretskaya, and M. Inb (2010), Morphometric measurements of cinder cones from digital elevation models of Tolbachik volcanic field, central Kamchatka, *Canadian Journal of Remote Sensing, 36*(4), 287-300.
Gill, T. K. and S. R. Phinn (2009), Improvements to ASTER-derived fractional estimates of bare ground in a savanna rangeland, *IEEE Trans. Geosci. Remote Sens., 47*(2), 662-670.
Gill, T. and S. Phinn (2008), Estimates of bare ground and vegetation cover from Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) short-wave-infrared reflectance imagery, *Journal of Applied Remote Sensing, 2*(1), 023511.
Gillespie a R, Adams J B, Smith M O, Gu D, Sabol D E, and J. H. Zukin (1995), Forest Mapping Potential of ASTER . *Journal of Remote Sensing Society of Japan, 15,NO.2*, PAGE.154-163.
Gillespie a R and D. H. Clark (1995), Potential of ASTER for Inferring Paleoclimatic Conditions. *Journal of Remote Sensing Society of Japan, 15,NO.2*, PAGE.131-141.
Gillespie, A., S. Rokugawa, T. Matsunaga, J. S. Cothern, S. Hook, and A. B. Kahle (1998), A temperature and emissivity separation algorithm for Advanced Spaceborne Thermal Emission 146

and Reflection Radiometer (ASTER) images, *IEEE Trans. Geosci. Remote Sens., 36*(4), 1113-1126.
Gillespie, A. R., W. H. Li, D. G. Gu, J. B. Adams, and A. B. Kahle (1995), Measuring change in forest with EOS/ASTER; AGU 1995 fall meeting, *EOS Trans. Am. Geophys. Union, 76*(46), 132.
Gillespie, A. R., E. A. Abbott, L. Gilson, G. Hulley, J. Jimenez-Munoz, and J. A. Sobrino (2011), Residual errors in ASTER temperature and emissivity standard products AST08 and AST05, *Remote Sensing of Environment, 115*(12), 3681-3694, doi:http://dx.doi.org/10.1016/j.rse.2011.09.007.
Gillespie, A. R., A. B. Kahle, and A. D. Morrison (1997), ASTER contributions to Earth systems science, paper presented at Land satellite information in the next decade II: Sources and applications; Proceedings of the Conference, Washington, DC; UNITED STATES; 2-5 Dec. 1997, , Bethesda.
Gillespie, A., M. Abrams, and Y. Yamaguchi (2005), Scientific results from ASTER, *Remote Sens. Environ., 99*(1-2), 1.
Gillespie, A., T. Matsunaga, S. Rokugawa, and S. Hook (1996), Temperature and emissivity separation from Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) images, paper presented at Infrared Spaceborne Remote Sensing IV, Aug 6-7 96, .
Gillespie, A., S. Rokugawa, T. Matsunaga, J. S. Cothern, S. Hook, and A. B. Kahle (1998), Temperature and emissivity separation algorithm for Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) images, *IEEE Trans. Geosci. Remote Sens., 36*(4), 1113-1126.
Gillies (2000), Extension of Atlanta/Houston urban heat island studies using aster imagery,.
Giri, C. and J. Muhlhausen (2008), Mangrove forest distributions and dynamics in Madagascar (1975-2005), *Sensors, 8*(4), 2104-2117. 147

Giri, C., J. Long, and L. Tieszen (2011), Mapping and Monitoring Louisiana's Mangroves in the Aftermath of the 2010 Gulf of Mexico Oil Spill, *J. Coast. Res., 27*(6), 1059-1064, doi:http://dx.doi.org/10.2112/JCOASTRES-D-11-00028.1.
Girina, O. A. (2012), On precursor of Kamchatkan volcanoes eruptions based on data from satellite monitoring, *J. Volcanol. Seismol., 6*(3), 142-149, doi:http://dx.doi.org/10.1134/S0742046312030049.
Gjermundsen, E. F., R. Mathieu, A. Kaab, T. Chinn, B. Fitzharris, and J. O. Hagen (2011), Assessment of multispectral glacier mapping methods and derivation of glacier area changes, 1978-2002, in the central Southern Alps, New Zealand, from ASTER satellite data, field survey and existing inventory data, *J. Glaciol., 57*(204), 667-683, doi:http://dx.doi.org/10.3189/002214311797409749.
Glasser, N. F., K. N. Jansson, S. Harrison, and A. Rivera (2005), Geomorphological evidence for variations of the North Patagonian Icefield during the Holocene, *Geomorphology, 71*(3-4), 263-277.
Glasser, N. F., T. A. Scambos, J. Bohlander, M. Truffer, E. Pettit, and B. J. Davies (2011), From ice-shelf tributary to tidewater glacier: continued rapid recession, acceleration and thinning of Rohss Glacier following the 1995 collapse of the Prince Gustav Ice Shelf, Antarctic Peninsula, *J. Glaciol., 57*(203), 397-406.

Glasser, N. F., S. Harrison, S. Ivy-Ochs, G. A. T. Duller, and P. W. Kubik (2006), Evidence from the Rio Bayo valley on the extent of the north Patagonian Icefield during the late Pleistocene-Holocene transition, *Quatern. Res., 65*(1), 70-77, doi:10.1016/j.yqres.2005.09.002.
Glasser, N. F. and K. N. Jansson (2005), Fast-flowing outlet glaciers of the last glacial maximum Patagonian Icefield, *Quatern. Res., 63*(2), 206-211, doi:10.1016/j.yqres.2004.11.002. 148

Glasser, N. F., K. N. Jansson, S. Harrison, and J. Kleman (2008), The glacial geomorphology and Pleistocene history of South America between 38 degrees S and 56 degrees S, *Quaternary Science Reviews, 27*(3-4), 365-390, doi:http://dx.doi.org/10.1016/j.quascirev.2007.11.011.
Glasser, N. and K. Jansson (2008), The Glacial Map of southern South America, *Journal of Maps*, 175-196.
Glazovskiy, A. F., V. M. Kotlyakov, and G. A. Nosenko (2003), Pervyy opyt obrabotki kosmicheskikh snimkov lednikovykh rayonov Rossii v ramkakh proyekta GLIMS. First experience of space image reduction for glaciated Russian regions within framework of GLIMS Project, *Materialy Glyatsiologicheskikh Issledovaniy, 94*, 194-202.
Gleeson, D. F., R. T. Pappalardo, S. E. Grasby, and J. R. Spear (2006), Borup Fiord; a unique glacial environment of astrobiological significance and potential analogue to Europa exploration; Lunar and planetary science, XXVII; papers presented to the Thirty-seventh lunar and planetary science conference, *Abstracts of Papers Submitted to the Lunar and Planetary Science Conference, 37*.
Glenn, E. P., P. L. Nagler, and A. R. Huete (2010), Vegetation index methods for estimating evapotranspiration by remote sensing, *Surv. Geophys., 31*(6), 531-555, doi:10.1007/s10712-010-9102-2.
Glenn, N. and S. Khan (2004), Mapping geology and structure in hyper-rugged terrain using ASTER remote sensing data; a case study from northern Pakistan, *EOS Trans. Am. Geophys. Union, 85*(47, Suppl.), Abstract T43C-1340.
Glushkova, N. V. and V. A. Balandis (2004), Use of multispectral images for revealing landscape and geological characteristics of Uronai ore unit, paper presented at Remote Sensing for Environmental Monitoring, GIS Applications, and Geology III; Barcelona, Spain; Sep. 9-11, 2003, . 149

Glushkova, N. and V. Balandis (2004), Use of remote sensing data for geological prospecting (on example of Uronai ore unit), *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 32, Part 2*, 942.
Goettsche, F. and G. C. Hulley (2012), Validation of six satellite-retrieved land surface emissivity products over two land cover types in a hyper-arid region, *Remote Sens. Environ., 124*, 149-158, doi:http://dx.doi.org/10.1016/j.rse.2012.05.010.
Gokceoglu, C. (2012), Discussion on "Combining landslide susceptibility maps obtained from frequency ratio, logistic regression, and artificial neural network models using ASTER images and GIS" by Choi et al. (2012), Engineering Geology, 124, 12-23, *Eng. Geol., 129*, 104-105, doi:http://dx.doi.org/10.1016/j.enggeo.2012.01.008.
Gomes da Silva, D. V., P. S. de Rezende Nascimento, R. A. Petta, L. A. N. de Paiva, and T. A. F. do Nascimento (2008), Utilizacao de imagens ETM+, Aster e HRV no mapeamento pedologico na regiao da provincia pegmatitica da Borborema. ETM+, ASTER and HRV imagery to map soils in the Borborema pegmatitic province, paper presented at Sociedade Brasileira de Geologia; 44 degrees congresso, Curitiba, BRA, Brazil, Oct. 26-31, 2008, , Sociedade Brasileira de Geologia, Porto Alegre, Brazil (BRA).
Gomez, C., C. Delacourt, P. Allemand, P. Ledru, and R. Wackerle (2005), Using ASTER remote sensing data set for geological mapping, in Namibia, *Physics and Chemistry of the Earth, Parts A/B/C, 30*(1-3), 97-108, doi:10.1016/j.pce.2004.08.042.
Gomez, C., P. Allemand, C. Delacourt, and P. Ledru (2005), Utilisation combinee de donnees de teledetection multi source; quel potentiel en cartographie geologique?. Utilization of teledection from multi-sources; what is the potential in geologic mapping? *Documents de l'Institut Scientifique, 20*, 12.
Gomez, C., C. Delacourt, P. Allemand, and P. Ledru (2004), Potentials and limitations of coupling ASTER and airborne geophysical data for improvement of geological mapping in arid 150

region (Namibia, Rehoboth region), paper presented at Remote Sensing for Environmental Monitoring, GIS Applications, and Geology III; Barcelona, Spain; Sep. 9-11, 2003, .

Gomez, M. F., J. D. Lencinas, A. Siebert, and G. M. Diaz (2012), Accuracy Assessment of ASTER and SRTM DEMs: A Case Study in Andean Patagonia, *GISci. Remote Sens., 49*(1), 71-91, doi:http://dx.doi.org/10.2747/1548-1603.49.1.71.
Goncalves, H., J. A. Goncalves, and L. Corte-Real (2009), Automatic image registration through the segmentation of images preprocessed by joint histogram analysis, paper presented at Image and Signal Processing for Remote Sensing XV, August 31, 2009 - September 3, , SPIE.
Goncalves, J. A. and A. R. S. Marcal (2007), Automatic ortho-rectification of ASTER images by matching digital elevation models, paper presented at 4th International Conference, ICIAR 2007, , Springer-Verlag.
Gongal, K., H. N. N. Bulley, P. K. Panday, and U. K. Haritashya (2010), Remote sensing and GIS-based assessment of glacier lake outburst flood potential in the Sagarmatha region of Nepal, paper presented at 2010 AAG annual meeting, Washington, DC, USA, United States, April 14-18, 2010, , Association of American Geographers, Washington, DC, United States (USA).
Gonga-Saholiariliva, N., Y. Gunnell, C. Petit, and C. Mering (2011), Techniques for quantifying the accuracy of gridded elevation models and for mapping uncertainty in digital terrain analysis, *Prog. Phys. Geogr., 35*(6), 739-764, doi:http://dx.doi.org/10.1177/0309133311409086.
Gonga-Saholiariliva, N., P. Treille, and Y. Gunnell (2008), Mapping of glacial landforms and deposits from multi-sensor satellite image processing coupled with geological data in northern Alberta, Canada, *Geophysical Research Abstracts, 10*, EGU2008-A-05511-A-05511. 151

Gonga-Saholiariliva, N., Y. Gunnell, D. Harbor, and C. Mering (2011), An automated method for producing synoptic regional maps of river gradient variation: Procedure, accuracy tests, and comparison with other knickpoint mapping methods, *Geomorphology, 134*(3-4), 394-407, doi:http://dx.doi.org/10.1016/j.geomorph.2011.07.013.
Gonzalves, H., J. A. Gonzalves, and L. Corte-Real (2008), Automatic image registration based on correlation and Hough transform, paper presented at Image and Signal Processing for Remote Sensing XIV, , SPIE - The International Society for Optical Engineering.
Goodell, P. C. and H. Ghrefat (2002), White Sands, New Mexico, as part of an image-processing laboratory; Geology of White Sands, *Guidebook - New Mexico Geological Society, 53*, 353-355.
Gorum, T., X. Fan, C. J. van Westen, R. Q. Huang, Q. Xu, C. Tang, and G. Wang (2011), Distribution pattern of earthquake-induced landslides triggered by the 12 May 2008 Wenchuan earthquake, *Geomorphology, 133*(3-4), 152-167, doi:http://dx.doi.org/10.1016/j.geomorph.2010.12.030.
Goswami, R., S. H. Brocklehurst, and N. C. Mitchell (2012), Erosion of a tectonically uplifting coastal landscape, NE Sicily, Italy, *Geomorphology, 171*, 114-126, doi:http://dx.doi.org/10.1016/j.geomorph.2012.05.011.
Goswami, R., N. C. Mitchell, and S. H. Brocklehurst (2011), Distribution and causes of landslides in the eastern Peloritani of NE Sicily and western Aspromonte of SW Calabria, Italy, *Geomorphology, 132*(3-4), 111-122, doi:http://dx.doi.org/10.1016/j.geomorph.2011.04.036.
Goto, K., T. Kuroki, and N. Iso (2008), Environmental Index Analysis in the Steep Slope Area used by Satellite Data, paper presented at Proceedings of the General Meeting of the Association of Japanese Geographers, , Association of Japanese Geographers.
Goto, T., H. Hasegawa, and K. Matsumoto (2008), The Database of the Ancient Sites in Mesopotamia based on Geospatial Information Data: The Case Study of Babil, IRAQ, paper 152

presented at Proceedings of the General Meeting of the Association of Japanese Geographers, , Association of Japanese Geographers.
Goudarzi, M. A., T. Woldai, and V. A. Tolpekin (2011), Surface deformation caused by April 6th 2009 earthquake in L'Aquila (Italy): A comparative analysis from ENVISAT ASAR, ALOS PALSAR and ASTER, *Int. J. Appl. Earth Obs. Geoinf., 13*(5), 801-811, doi:10.1016/j.jag.2011.05.014.
Goulden, M. L., S. D. Miller, and H. R. da Rocha (2006), Nocturnal cold air drainage and pooling in a tropical forest, *Journal of Geophysical Research-Part D-Atmospheres, 111*(D8), 14.
Govindan, R., A. Korre, S. Durucan, and C. E. Imrie (2011), Comparative assessment of the performance of airborne and spaceborne spectral data for monitoring surface CO2 leakages, *Energy Procedia, 4*, 3421-3427, doi:http://dx.doi.org/10.1016/j.egypro.2011.02.266.
Gowda, P. H., J. L. Chavez, P. D. Colaizzi, S. R. Evett, T. A. Howell, and J. A. Tolk (2008), ET mapping for agricultural water management: present status and challenges, *Irrig. Sci., 26*(3), 223-237.

Gowda, P. H., J. L. Chavez, P. D. Colaizzi, S. R. Evett, T. A. Howell, and J. A. Tolk (2007), Remote sensing based energy balance algorithms for mapping ET: Current status and future challenges, *Transactions of the ASABE, 50*(5), 1639-1644.
Gower, S. T. (1997), Validation of Aster and Modis Surface-Temperature and Vegetation Products with Surface-Flux Applications,.
Grad, P. (2011), Pos minerals, *Position (Alexandria, N.S.W.), 54*, 28-30, 32-33, doi:https://my.unsw.edu.au/unsw/Media_summaries/2011/Aug/MediaclipsAug9.pdf.
Grant, K., C. Stokes, and M. Shahgedanova (2008), Changes in glacier extent and links to twentieth century climatic variability on Novaya Zemlya, Russian Arctic, *Geophysical Research Abstracts, 10*, EGU2008-A-00738. 153

Grant, K. L., C. R. Stokes, and I. S. Evans (2009), Identification and characteristics of surge-type glaciers on Novaya Zemlya, Russian Arctic, *J. Glaciol., 55*(194), 960-972.
Grant, P. S., E. A. Hildum, and M. C. Peck (2000), MODIS and ASTER airborne simulators system description, paper presented at Imaging Spectrometry VI, Jul 31-Aug 2 2000, , Society of Photo-Optical Instrumentation Engineers, Bellingham, WA, USA.
Griffis, K. and M. Bystrom (2008), Modeling and clustering techniques for multi-band change detection, paper presented at 2008 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2008, , IEEE.
Griffis, K. and M. Bystrom (2008), Object-level semantic change interpretation for multi-band remotely sensed imagery, paper presented at 2008 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2008, , IEEE.
Grohmann, C. H. and A. O. Sawakuchi (2013), Influence of cell size on volume calculation using digital terrain models: A case of coastal dune fields, *Geomorphology, 180*, 130-136, doi:http://dx.doi.org/10.1016/j.geomorph.2012.09.012.
Grosse, P., B. v. W. de Vries, P. A. Euillades, M. Kervyn, and I. A. Petrinovic (2012), Systematic morphometric characterization of volcanic edifices using digital elevation models, *Geomorphology, 136*(1), 114-131, doi:http://dx.doi.org/10.1016/j.geomorph.2011.06.001.
Grunsky, E. (2003), Two papers on the use of hyperspectral airborne-satellite imagery in mineral exploration, *SEG Newsletter, 55*, 24-25.
Gu, D. Q., Y. Z. Zhang, J. Fu, and X. L. Zhang (2007), The landscape pattern characteristics of coastal wetlands in Jiaozhou Bay under the impact of human activities, *Environ. Monit. Assess., 124*(1-3), 361-370.
Guagliardo, S. A. (2010), Assessing environmental and socioeconomic variables that determine Aedes aegypti larval distribution in Merida, Venezuela, 39. 154

Guang, J., Y. Xue, L. Bai, and J. Guo (2008), Application of AOT products derived from ASTER data to the air pollution research around the Beijing Olympic Games area, paper presented at Remote Sensing of the Environment: 16th National Symposium on Remote Sensing of China, , SPIE - The International Society for Optical Engineering.
Guang, J., Y. Xue, L. Bai, W. Wan, Y. Wang, Y. Li, and X. Li (2008), An investigation of air pollution in Hong Kong with ASTER data, paper presented at IGARSS 2008 - 2008 IEEE International Geoscience and Remote Sensing Symposium, , IEEE.
Guang, J., Y. Xue, Y. Wang, Y. Li, L. Mei, H. Xu, S. Liang, J. Wang, and L. Bai (2011), Simultaneous determination of aerosol optical thickness and surface reflectance using ASTER visible to near-infrared data over land, *Int. J. Remote Sens., 32*(22), 6961-6974, doi:10.1080/01431161.2011.551846.
Guha, A. and K. V. Kumar (2012), Structural Controls on Coal Fire Distributions - Remote Sensing Based Investigation in the Raniganj Coalfield, West Bengal, *J. Geol. Soc. India, 79*(5), 467-475, doi:http://dx.doi.org/10.1007/s12594-012-0071-6.
Guha, A., K. V. Kumar, and M. V. V. Kamaraju (2008), A satellite-based study of coal fires and open-cast mining activity in Raniganj coalfield, West Bengal, *Curr. Sci., 95*(11), 1603-1607.
Guha, A., D. A. Rao, S. Ravi, K. V. Kumar, and E. N. D. Rao (2012), Analysis of the potential of kimberlite rock spectra as spectral end member using samples from Narayanpet Kimberlite Field, Andhra Pradesh, *Curr. Sci., 103*(9), 1096-1104, doi:http://www.currentscience.ac.in/Volumes/103/09/1096.pdf.

Guha, A., V. K. Singh, R. Parveen, K. V. Kumar, A. T. Jeyaseelan, and E. N. D. Rao (2013), Analysis of ASTER data for mapping bauxite rich pockets within high altitude lateritic bauxite, Jharkhand, India, *International Journal of Applied Earth Observation and Geoinformation, 21*, 184-194, doi:http://dx.doi.org/10.1016/j.jag.2012.08.003. 155

Guimaraes, R. F., O. A. d. C. Junior, E. d. S. Martins, A. P. F. de Carvalho, and R. A. T. Gomes (2005), Detection of karst depression by ASTER image in the Bambui Group, Brazil, paper presented at Remote Sensing for Environmental Monitoring, GIS Applications, and Geology V; Bruges; Belgium; 19-20 Sept. 2005, .

Gumindoga, W., D. T. Rwasoka, and A. Murwira (2011), Simulation of streamflow using TOPMODEL in the Upper Save River catchment of Zimbabwe, *Physics and Chemistry of the Earth, 36*(14-15), 806-813.

Guo Liuping, Ye Qinghua, Yao Tandong, Chen Feng, and Cheng Weiming (2007), Glacial landforms and changes in glacier and lake area in the Mapam Yumco Basin on the Tibetan Plateau based on GIS, *Bingchuan Dongtu = Journal of Glaciology and Geocryology, 29*(4), 517-524.

Guo, W. and J. Zhang (2005), Extraction of land use classification information of suburb of Nanjing city using ASTER image, *Nongye Gongcheng Xuebao/Transactions of the Chinese Society of Agricultural Engineering, 21*(9), 62-66.

Guo, X., T. Kusky, and Z. Li (2009), Spatial and temporal deformation sequences of Daba Shan FTB and its relationships with adjacent tectonic units, central China, *Abstracts with Programs - Geological Society of America, 41*(7), 53.

Guo, Y. and Z. Shi (2003), Characteristics and Applications of ASTER, *Remote sensing Technology and Application, 18*(5), 346-352.

Guoyin, C. and D. Mingyi (2009), Relationship between thermal inertia and urban heat sink in Beijing derived from Satellite images, paper presented at Urban Remote Sensing Event, 2009 Joint, , IEEE Computer Society, Shanghai, China.

Gupta, R. P., R. Chakraborty, and A. K. Awasthi (2009), Satellite data can cost effectively show oil field thermal anomalies, *Oil & Gas Journal, 107*(41), 34-36. 156

Gupta, S. K., A. C. Wilber, and D. P. Kratz (1999), Surface Emissivity Maps for Satellite Retrieval of the Longwave Radiation Budget, 1-4.

Gurcay, B., B. T. San, E. O. Sumer, and M. Koruyucu (2005), Alunit ve kaolen minerallerinin ASTER goruntusu yardimiyla belirlenmesi--Determining alunite and kaolinite minerals with ASTER data, *Turkiye Jeoloji Kurultayi Bildiri Ozleri = Abstract of the Geological Congress of Turkey, 58*, 206.

Gure, M., M. E. Ozel, H. H. Yildirim, and M. Ozdemir (2009), Use of satellite images for forest fires in area determination and monitoring, paper presented at 4th International Conference on Recent Advances in Space Technologies 2009, RAST '09, June 11, 2009 - June 13, , IEEE Computer Society.

Gustafson, G. B., J. Moncet, C. F. Ivaldi, H. Huang, and J. M. Sparrow (1991), Mesoscale prediction and satellite cloud analysis for advanced meteorological processing systems; Final Report (Final Report, Apr. 1988 - Dec. 1990), *AD-A240510; PL-TR-91-2008*, 1-143.

Gustafson, W. T. and A. Gillespie (2002), Onboard processing of orbital hyperspectral thermal infrared images, paper presented at 2002 IEEE Aerospace Conference; Big Sky, MT; Mar. 9-16, 2002, , IEEE.

Gustafson, W. T., R. N. Handcock, and A. R. Gillespie (2003), Image sharpening method to recover stream temperatures from ASTER images, paper presented at Remote Sensing for Environmental Monitoring, GIS Applications, and Geology II. Edited by Manfred Ehlers. Proceedings of the SPIE, Volume 4886, pp. 72-83 (2003). .

Gustafson, W. T., R. Handcock, A. R. Gillespie, and H. Tonooka (2002), An image-sharpening method to recover stream temperatures from ASTER images, paper presented at Remote Sensing for Environmental Monitoring, GIS Applications, and Geology II, Sep 23-26 2002, , The International Society for Optical Engineering. 157

Guth, P. L. (2003), Geomophometry of DEMs; quality assessment and scale effects; Geological Society of America, 2003 annual meeting, *Abstracts with Programs - Geological Society of America, 35*(6), 445.

Gutierrez, F., M. Lemus, M. Parada, O. Benavente, and F. Aguilera (2012), Contribution of ground surface altitude difference to thermal anomaly detection using satellite images: Application to volcanic/geothermal complexes in the Andes of Central Chile, *J. Volcanol. Geotherm. Res., 237-238*, 69-80, doi:http://dx.doi.org/10.1016/j.jvolgeores.2012.05.016.

Ha, W., P. H. Gowda, T. A. Howell, G. Paul, J. E. Hernandez, and S. Basu (2010), Downscaling surface temperature image with TsHARP, paper presented at 5th National Decennial Irrigation Conference 2010, Held in Conjunction with Irrigation Show 2010, December 5, 2010 - December 8, 2010, , American Society of Agricultural and Biological Engineers, Phoenix, AZ.
Haas, S. and R. Gloaguen (2009), Land cover classification and change detection as a basis for hydrological runoff modelling in the Main Ethiopian Rift Valley, paper presented at Geoscience and Remote Sensing Symposium,2009 IEEE International,IGARSS 2009, , IEEE, Cape Town, South Africa.
Haboudane, D. and E. M. Bahri (2008), Deforestation detection and monitoring in cedar forests of the Moroccan Middle-Atlas Mountains, paper presented at 2007 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2007, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Haddouche, I., K. Benhanifia, and M. Gacemi (2011), Spatial Analysis of Forest Regeneration After Fire in the Forest of Fergoug in Mascara, Algeria, *Bois Forets Trop.*(307), 23-31.
Hadjimitsis, D. G. and K. Themistocleous (2009), Assessment of the effectiveness of atmospheric correction methods using standard calibration targets, ground measurements and aster images, paper presented at Remote Sensing of Clouds and the Atmosphere XIV, August 31, 2009 - September 1, , SPIE. 158

Haeberli, W., C. Huggel, A. Kaab, S. Zgraggen-Oswald, A. Pollkvoj, I. Galushkin, I. Zotikov, and N. Osokin (2004), The Kolka-Karmadon rock/ice slide of 20 September 2002; an extraordinary event of historical dimensions in North Ossetia, Russian Caucasus, *J. Glaciol., 50*(171), 533-546.
Hagihara Yoshihiro, Seto Yoichi, Y. T. , and M. Kaku (1995), A Development for Registration Algorithm of Different Spectral Imgages. *IEIC Technical Report (Institute of Electronics, Information and Communication Enginners, 95,NO.48(SANE95 7-11)*, PAGE.1-7.
Hagihara Yoshihiro, Yoshimitsu Tetsuo, S. Y. , H. Fujisada, and M. Kato (1997), Development of Registration Algorithm for Satellite Images with Different Spectral Characteristics. *Journal of Remote Sensing Society of Japan, 17,NO.3*, PAGE.244-257.
Hagihara, Y., Y. Seto, A. Maeda, H. Fujisada, and M. Kato (1997), Band-to-band registration method for ASTER with multi-telescopes, paper presented at Sensors, systems, and next-generation satellites; Proceedings of the Conference, London, United Kingdom, Sept. 22-25, 1997; Bellingham, WA, Society of Photo-Optical Instrumentation Engineers (SPIE Proceedings. Vol. 3221), 1997, p. 239-250, , Society of Photo-Optical Instrumentation Engineers.
Hahn, R. S. and D. P. Dethier (2005), Digital analysis of surficial materials, Colorado Front Range using field, GIS and ASTER techniques; Geological Society of America, Northeastern Section, 40th annual meeting, *Abstracts with Programs - Geological Society of America, 37*(1), 57-58.
Hai, P. M. and Y. Yamaguchi (2008), Characterizing the Urban growth of Hanoi, Nagoya, and Shanghai city using remote sensing and spatial metrics, paper presented at 2008 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2008, , IEEE.
HAI, P. M. and Y. Yamaguchi (2006), Monitoring the urbanization in Hanoi city center by Landsat and ASTER images. 159

Hai, P. M. and Y. Yamaguchi (2007), Characterizing the urban growth from 1975 to 2003 of Hanoi city using remote sensing and a spatial metric, paper presented at 28th Asian Conference on Remote Sensing 2007, ACRS 2007, November 12, 2007 - November 16, 2007, Kuala Lumpur, Malaysia, , Asian Association on Remote Sensing.
Haight, S. L., C. W. Forstall, and B. R. Hargreaves (2005), Ground and satellite estimates of the penetration of ultraviolet and visible radiation through forest canopy in eastern Pennsylvania, USA; Geological Society of America, Northeastern Section, 40th annual meeting, *Abstracts with Programs - Geological Society of America, 37*(1), 32.
Hais, M. and T. Kucera (2009), The influence of topography on the forest surface temperature retrieved from Landsat TM, ETM+and ASTER thermal channels, *ISPRS Journal of Photogrammetry and Remote Sensing, 64*(6), 585-591.
Haixia, H., Z. Bing, L. Bo, Z. Wenjuan, and L. Ru (2009), Temperature and emissivity separation from ASTER data based on the urban land cover classification, paper presented at Urban Remote Sensing Event, 2009 Joint, , IEEE Computer Society, Shanghai, China.
Haldemann, A. F., P. M. Andres, R. C. Anderson, N. A. Bryant, K. S. Capraro, E. M. DeJong, D. E. Kiefer, S. R. Levoe, T. L. Logan, and T. Stein (2002), Simulating a MER landing site remote sensing data set for the 2002 FIDO field test,.

Hale, R. C., K. P. Gallo, D. Tarpley, and Y. Yu (2011), Characterization of variability at in situ locations for calibration/validation of satellite-derived land surface temperature data, *Remote Sens. Lett., 2*(1), 41-50, doi:10.1080/01431161.2010.490569.
Hall, D. K., J. E. Box, K. A. Casey, S. J. Hook, C. A. Shuman, and K. Steffen (2008), Comparison of satellite-derived and in-situ observations of ice and snow surface temperatures over Greenland, *Remote Sens. Environ., 112*(10), 3739-3749.
Hall, J. L., J. A. Hackwell, D. M. Tratt, D. W. Warren, and S. J. Young (2008), Space-based mineral and gas identification using a high-performance thermal infrared imaging 160

spectrometer, paper presented at Infrared Spaceborne Remote Sensing and Instrumentation XVI, , SPIE, Bellingham WA, WA 98227-0010, United States.
Hall, M. and D. G. Tragheim (2010), The accuracy of ASTER digital elevation models; a comparison with NEXTMap Britain, in *Elevation models for geoscience,* , vol. 345, edited by C. Fleming et al, pp. 43-53, United Kingdom (GBR), Geological Society of London, London, United Kingdom (GBR).
Hall, S. R., D. L. Farber, J. M. Ramage, D. T. Rodbell, R. C. Finkel, J. A. Smith, B. G. Mark, and C. Kassel (2009), Geochronology of Quaternary glaciations from the tropical Cordillera Huayhuash, Peru, *Quaternary Science Reviews, 28*(25-26), 2991-3009.
Hallenborg, E., D. L. Buck, and E. Daly (2011), Evaluation of automated algorithms for small target detection and non-natural terrain characterization using remote multi-band imagery, paper presented at Signal and Data Processing of Small Targets 2011, August 23, 2011 - August 25, 2011, , SPIE, San Diego, CA.
Hamada, S., T. Tanaka, and T. Ohta (2011), The cooling effect of urban green area for surrounding areas using ASTER data, paper presented at The Japanese Forest Society Congress 122, , Japanese Forest Society.
Hamade, A. K., M. A. Murphy, and S. A. Hall (2004), Controls on structural styles in the eastern Sierra Madre Oriental; Geological Society of America, 2004 annual meeting, *Abstracts with Programs - Geological Society of America, 36*(5), 502.
Hambrey, M., D. Quincey, N. Glasser, S. Richardson, and J. Reynolds (2008), Formation, evolution and geomorphological context of Himalayan moraine dams; Mount Everest region, Nepal, *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 33*, @Abstract 1286310.
Hamilton, G. (2003), Antarctic Glaciology Using High-Resolution ASTER Satellite Imagery,. 161

Hamilton, G. (2007), Dynamics of Polar Glaciers, Ice Sheets, and Ice Caps using Aster Data Products, *NNX08AD38G Contract*, 11.
Hamilton, G. S. (2004), Assessing Changes in Arctic Glaciers and Ice Caps Using Aster Satellite Imagery: Evidence for Regional Climte Change,.
Hamzaoui, A. (2005), Teledetection multispectrale et hyperspectrale appliquee a la recherche miniere. Multispectral and hyperspectral detection applied to mineral research, *Documents de l'Institut Scientifique, 20*, 34-35.
Hanada, D. and F. Yamazaki (2011), Detection of the flooded area by tsunami using satellite thermal infrared images, paper presented at 32nd Asian Conference on Remote Sensing 2011, ACRS 2011, October 3, 2011 - October 7, 2011, Tapei, Taiwan, , Asian Association on Remote Sensing.
Hanada, D. and F. Yamazaki (2012), Disaster Management Studies Using Remote Sensing Technology-Application to Recent Earthquake and Tsunami Disasters, *Journal of Japan Association for Earthquake Engineering, 12*(6), 6_63-6_72, doi:https://www.jstage.jst.go.jp/article/jaee/12/6/12_6_63/_pdf.
Handcock, R. N., A. R. Gillespie, K. A. Cherkauer, J. E. Kay, S. J. Burges, and S. K. Kampf (2006), Accuracy and uncertainty of thermal-infrared remote sensing of stream temperatures at multiple spatial scales, *Remote Sens. Environ., 100*(4), 427-440.
Hang, Y., Z. Lifu, F. Junyong, Z. Xia, and T. Qingxi (2010), Algorithm research of building materials emissivity extracting, paper presented at 2010 30th IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2010, July 25, 2010 - July 30, , Institute of Electrical and Electronics Engineers Inc, Honolulu, HI.
Hannon, E., D. A. Kepert, D. Clark, and Australasian Institute of Mining and Metallurgy, Carlton,Victoria, (AUS) (2005), From target generation to two billion tonnes in 18 months; the re-invention of the Chichester Range, paper presented at Iron ore 2005 conference, 162

Fremantle, West. Aust., Australia, Sept. 19-21, 2005, , AusIMM - Australasian Institute of Mining and Metallurgy, Carlton, Victoria, Australia (AUS).
Haraki, Y. (1998), Now and Future: Remote Sensing Technology Utilizing Satellites, *NASA no. 19980018618; PB96-129218*.
Hardgrove, C., J. Moersch, D. M. Drake, J. Piatek, D. Wettergreen, and N. Cabrol (2006), Field tests and ground truthing of a surface-based neutron detector in the Atacama Desert, Chile; Lunar and planetary science, XXXVII; papers presented to the Thirty-seventh lunar and planetary science conference, *Abstracts of Papers Submitted to the Lunar and Planetary Science Conference, 37*.
Hardgrove, C., S. C. Whisner, and J. E. Moersch (2008), Thermophysical patterns in terrestrial alluvial fans for application to the study of Martian sedimentary features, *LPI Contribution, 1391*, @Abstract 1226.
Hardgrove, C., S. C. Whisner, R. M. E. Williams, J. E. Moersch, M. Chojnacki, and D. Rogers (2010), Remote thermophysical observations of terrestrial inverted relief features, *LPI Contribution, 1533*, 2497.
Hardin, D. M., S. Graves, T. Sever, and D. Irwin (2006), Implementing GEOSS Goals in Mesoamerica through the SERVIR Project, *EOS Transactions, American Geophysical Union, 87*(36), 810.
Harijan, N., A. Kumar, S. Bhoi, and V. Tare (2003), Course of River Ganga over a century near Kanpur City based on remote sensing data, *Photonirvachak (Dehra Dun), 31*(1), 1-2.
Harish Kumar, G. R., D. Singh, and A. Mittal (2008), Fusion of MODIS, AVHRR and ASTER data using curvelet transform for land cover classification, paper presented at 2007 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2007, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States. 163

Haritashya, U. K., M. P. Bishop, J. F. Shroder, and H. N. Bulley (2007), Satellite Observations of Glacier Advances and Retreat in the Western Karakoram, *EOS Transactions, American Geophysical Union, 88*(52,; Suppl. Volume 1-2).
Haritashya, U. K., M. P. Bishop, J. F. Shroder, H. N. Bulley, J. A. Olsenholler, and J. N. Sartan (2006), Snowline and Glacier Assessment in the Central Hindu Kush, Afghanistan, Utilizing Multi- Temporal Satellite Imagery, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
Haritashya, U. K., M. P. Bishop, J. S. Kargel, G. J. Leonard, and J. F. Shroder (2011), Time series of glacier frontal variations in the Nanga Parbat region, western Himalaya, *American Geophysical Union Fall Meeting, 2011*, Abstract C43A-01.
Haritashya, U. K., M. P. Bishop, J. F. Shroder, A. B. G. Bush, and H. N. N. Bulley (2009), Space-based assessment of glacier fluctuations in the Wakhan Pamir, Afghanistan, *Clim. Change, 94*(1-2), 5-18, doi:10.1007/s10584-009-9555-9.
Haritashya, U., J. Shroder, M. Bishop, H. Bulley, J. Olsenholler, Lai Yuanming, Ma Wei, and Zhao Shuping (2006), Exposed glacial and debris-covered ice in the Hindu Kush, Afghanistan; Asian conference on Permafrost, paper presented at Asian conference on Permafrost, Lanzhou, , Publisher unknown, China (CHN), China.
Harper, D. C., R. L. Nusbaum, and N. S. Levine (2012), Digital topographic and geomorphic mapping along the Tibesti Lineament in the Tibesti Massif, northern Chad, Africa, *Abstracts with Programs - Geological Society of America, 44*(4), 20, doi:https://gsa.confex.com/gsa/2012SE/finalprogram/abstract_202264.htm.
Harper, K. (2002), Application of ASTER satellite imagery, northern Flinders Ranges, South Australia, *Abstracts - Geological Society of Australia, 69*, 58. 164

Harris, A. J. L., R. Wright, and L. P. Flynn (1999), Remote monitoring of Mount Erebus volcano, Antarctica, using polar orbiters; progress and prospects; Remote sensing of polar regions, *Int. J. Remote Sens., 20*(15-16), 3051-3071.
Harris, A. J. L., M. Favalli, R. Wright, and H. Garbeil (2011), Hazard assessment at Mount Etna using a hybrid lava flow inundation model and satellite-based land classification, *Nat. Hazards, 58*(3), 1001-1027, doi:10.1007/s11069-010-9709-0.
Harris, P. M. and J. Ellis (2008), Satellite imagery and visualization of the Caicos Platform, *Abstracts: Annual Meeting - American Association of Petroleum Geologists, 2008*, @unpaginated.
Harris, S., S. Veraverbeke, and S. Hook (2011), Evaluating spectral indices for assessing fire severity in chaparral ecosystems (Southern California) using modis/aster (MASTER) airborne simulator data, *Remote Sensing, 3*(11), 2403-2419, doi:http://dx.doi.org/10.3390/rs3112403.

Harrison, S., N. Glasser, V. Winchester, E. Haresign, C. Warren, G. A. T. Duller, R. Bailey, S. Ivy-Ochs, K. Jansson, and P. Kubik (2008), Glaciar Leon, Chilean Patagonia; late-Holocene chronology and geomorphology, *The Holocene, 18*(4), 643-652, doi:10.1177/0959683607086771.
Harrison, S., N. Glasser, V. Winchester, E. Haresign, C. Warren, and K. Jansson (2006), A glacial lake outburst flood associated with recent mountain glacier retreat, Patagonian Andes, *The Holocene, 16*(4), 611-620, doi:10.1191/0959683606hl957rr.
Harrison, S., K. Jansson, and N. Glasser (2005), Reconstructing palaeoclimates in southern South America; the role of geomorphological mapping, *Bulletin of The Society of Cartographers, 39*(1-2), 29-34.
Harrower, M. J., J. McCorriston, and E. A. Oches (2002), Geoarchaeology and the first farmers of southern Arabia; recent applications of Landsat and ASTER satellite imagery for survey and 165

analysis; Geological Society of America, 2002 annual meeting, *Abstracts with Programs - Geological Society of America, 34*(6), 380.
Hartmann, K., B. Wuennemann, S. Hoelz, A. Kraetschell, and H. Zhang (2011), Neotectonic constraints on the Gaxun Nur inland basin in north-central China, derived from remote sensing, geomorphology and geophysical analyses, in *Growth and collapse of the Tibetan Plateau,* , vol. 353, edited by R. Gloaguen et al, pp. 221-233, United Kingdom (GBR), Geological Society of London, London, United Kingdom (GBR).
Hartz, D. A., L. Prashad, B. C. Hedquist, J. Golden, and A. J. Brazel (2006), Linking satellite images and hand-held infrared thermography to observed neighborhood climate conditions, *Remote Sens. Environ., 104*(2), 190-200.
Harvey, J. C., G. F. Peltzer, S. J. Hook, R. Alley, J. Myers, B. Coffland, R. Dominguez, and M. Fitzgerald (2004), Mapping active fault zones in Southern California using MASTER multispectral imagery data, *EOS Trans. Am. Geophys. Union, 85*(47, Suppl.), Abstract G11A-0778.
Harvey, J. C., G. Peltzer, S. Hook, J. Myers, R. Dominguez, B. Coffland, M. Fitzgerald, and R. Alley (2005), Mapping active fault zones in Southern California using master multispectral imagery data; *Abstracts with Programs - Geological Society of America, 37*(7), 559.
Hasaki Ryohei and I. Y. (2006), About a classification of the Arakawa area using ASTER /TIR data.
Haselwimmer, C. E., T. R. Riley, and J. G. Liu (2010), Assessing the potential of multispectral remote sensing for lithological mapping on the Antarctic Peninsula: case study from eastern Adelaide Island, Graham Land, *Antarct. Sci., 22*(3), 299-318, doi:10.1017/S0954102010000015. 166

Haselwimmer, C. E., T. R. Riley, and J. G. Liu (2011), Lithologic mapping in the Oscar II Coast area, Graham Land, Antarctic Peninsula using ASTER data, *Int. J. Remote Sens., 32*(7), 2013-2035, doi:10.1080/01431161003645824.
Haselwimmer, C., T. Riley, and J. G. Liu (2008), Lithologic mapping in the Oscar II Coast area, Graham Land, Antarctic Peninsula using Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) data, *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 33*, Abstract 1336984.
Hashimoto, H., S. Nakamura, M. Hasegawa, Y. Natuhara, and Y. Morimoto (2004), The Early Successional Stage of Avifauna in an Urban Wildlife Habitat Park, *Journal of the Japanese Institute of Landscape Architecture, 68*(5), 559-562.
Hasi, B., J. Ma, and Q. Li (2003), Study on aster data classification using self-organizing neural network method, *Advance in Earth Sciences, 18*(3), 345-350.
Hasi, B., J. Ma, Q. Li, and Q. Dai (2004), Dimension Reduction of Self-organized Neural Network Classification for Multi-band Satellite Data, *Geomatics and Information Science of Wuhan University, 29*(5), 461-465.
Hasi, B., J. Ma, Q. Li, X. Han, and Z. Liu (2004), Self-organizing feature map neural network classification of the ASTER data based on wavelet fusion, *Science in China, Series D: Earth Sciences, 47*(7), 651-658.
Hasi, B., J. Ma, Q. Li, Z. Liu, and X. Han (2004), Improved Fuzzy C-mean Classifier and Comparison Study of Its Clustering Results of Satellite Remotely Sensed Data, *Computer Engineering, 30*(11), 14-91.
Hasnain, S. I., R. Kumar, S. Ahmad, and S. Tayal (2010), Glaciers of India; a study of selected glaciers under the changing climate regime (modified), *U.S.Geological Survey Professional Paper, P 1386-F*, F275-F291. 167

Hassan, N. and M. Hashim (2011), Decomposition of mixed pixels of ASTER satellite data for mapping Chengal (Neobalanocarpus heimii sp) tree, paper presented at 2011 IEEE International Conference on Control System, Computing and Engineering, ICCSCE 2011, November 25, 2011 - November 27, 2011, Penang, Malaysia, , IEEE Computer Society.
Hauff, P. L., E. C. Prosh, D. W. Coulter, M. A. Sares, D. A. Bird, D. C. Peters, and F. B. Henderson III (2002), Evaluating the impact of natural acid drainage on Colorado watersheds using hyperspectral remote sensing, paper presented at Tenth international conference on Tailings and mine waste, Vail, CO, , A.A. Balkema Publishers, Lisse, Netherlands (NLD), United States.
Haug, T., A. Kaab, and P. Skvarca (2010), Monitoring ice shelf velocities from repeat MODIS and Landsat data - a method study on the Larsen similar to C ice shelf, Antarctic Peninsula, and 10 other ice shelves around Antarctica, *Cryosphere, 4*(2), 161-178, doi:10.5194/tc-4-161-2010.
Hausback, B. P., J. M. Stock, A. Martin-Barajas, D. Pieri, and A. Seymour (2000), Analisis digital de imagenes de volcanes jovenes en Baja California--Analysis of digital images from young volcanic terrains in Baja California; V reunion internacional sobre Geologia de la peninsula de Baja California--V international meeting on the Geology of the Baja California Peninsula, *Memorias - Reunion Internacional Sobre Geologia de la Peninsula de Baja California = International Meeting on Geology of the Baja California Peninsula, 5*, 31.
Havenith, H. B., A. Strom, F. Caceres, and E. Pirard (2006), Analysis of landslide susceptibility in the Suusamyr region, Tien Shan: statistical and geotechnical approach, *Landslides, 3*(1), 39-50.
Havenith, H. B., I. (. Torgoev I.), A. Melshko, Y. Alioshin, A. (. Torgoev A.), and G. Danneels (2006), Landslides in the Mailuu-Suu Valley, Kyrgyzstan; hazards and impacts, *Landslides, 3*(2), 137-147, doi:10.1007/s10346-006-0035-2. 168

Hawk, S. (2004), GIS Internet sites and the American Society of Photogrammetry; Geological Society of America, North-Central Section, 38th annual meeting; 2004 abstracts with programs, *Abstracts with Programs - Geological Society of America, 36*(3), 7.
Hawley, D. L. (2002), MTI and Ground Truth Collection: Ivanpah Dry Lake Bed, California. May, July, and August 2002, *DE2002-806536*.
Hayakawa, Y. S., T. Oguchi, and Z. Lin (2008), Comparison of new and existing global digital elevation models: ASTER G-DEM and SRTM-3, *Geophys. Res. Lett., 35*(17), L17404, doi:10.1029/2008GL035036.
Hayasaka, A., G. Saito, C. Yonezawa, H. Muraki, M. Negishi, and N. Ishitsuka (2009), Understandings for regional characteristics of agriculture using terra/aster data, paper presented at 30th Asian Conference on Remote Sensing 2009, ACRS 2009, October 18, 2009 - October 23, 2009, Beijing, China, , Asian Association on Remote Sensing.
Hayashi Machi, Numata Yoichi, S. K. , Y. Yasuoka, M. Tamura, and M. Kato (1999), Development of methodology for wetland mapping using ASTER data. III.
Hayashi Masatomo, Numata Yoichi, S. K. , Y. Yasuoka, M. Tamura, and M. Kato (1998), Development of methodology for wetland mapping using ASTER data. II.
Hayashi Shoji, Tonooka Hideyuki, and H. T. (2003), Comparison of algorithms for sharpening thermal infrared imagery.
Hayashi Shoji, Tonooka Hideyuki, and H. T. (2004), Comparison of seven super-resolution algorithms using ASTER /TIR imagery.
He, D., Y. Meng, and C. Wang (2011), Contrast pyramid based image fusion scheme for infrared image and visible image, paper presented at 2011 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2011, July 24, 2011 - July 29, 2011, , Institute of Electrical and Electronics Engineers Inc, Vancouver, BC, Canada. 169

He, F., Z. Hu, J. Yin, and S. Fang (2007), Merging ASTER with TM/ETM + data to monitor land cover change, *Cehui Kexue / Science of Surveying and Mapping, 32*(1), 96-97, 111.
He, W. and X. Deng (2010), A Modified SUSAN Corner Detection Algorithm Based on Adaptive Gradient Threshold for Remote Sensing Image, paper presented at 2010 International Conference on Optoelectronics and Image Processing (ICOIP 2010), , IEEE Computer Society, Haiko, Hainan China.
He, Z., B. He, and C. Ying (2010), Hydrothermal alteration mapping using ASTER data in East Kunlun Mountains, China, paper presented at 2010 30th IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2010, July 25, 2010 - July 30, , Institute of Electrical and Electronics Engineers Inc, Honolulu, HI.

Hecker, C., C. Kuenzer, and J. Zhang (2007), Remote-sensing-based coal-fire detection with low-resolution MODIS data, *Reviews in Engineering Geology, 18*, 229-238, doi:10.1130/2007.4118(15).
Heid, T. and A. Kaab (2012), Evaluation of existing image matching methods for deriving glacier surface displacements globally from optical satellite imagery, *Remote Sens. Environ., 118*, 339-355, doi:http://dx.doi.org/10.1016/j.rse.2011.11.024.
Heid, T. and A. Kaab (2012), Repeat optical satellite images reveal widespread and long term decrease in land-terminating glacier speeds, *Cryosphere, 6*(2), 467-478, doi:http://dx.doi.org/10.5194/tc-6-467-2012.
Heiken, G. (2004), Geologic field work in a city...are you crazy?; Geological Society of America, 2004 annual meeting, *Abstracts with Programs - Geological Society of America, 36*(5), 102.
Heinzel, V., J. Franke, and G. Menz (2006), Assessment of cross-sensor NDVI-variations caused by spectral band characteristics, paper presented at Remote Sensing and Modeling of 170

Ecosystems for Sustainability III, Aug 14-16 2006, , International Society for Optical Engineering, Bellingham WA, WA 98227-0010, United States.
Heiskanen, J. (2006), Estimating aboveground tree biomass and leaf area index in a mountain birch forest using ASTER satellite data, *Int. J. Remote Sens., 27*(6), 1135-1158.
Hellman, M. J. (2002), Analysis of hot springs in Yellowstone National Park using ASTER and AVIRIS remote sensing,.
Hellman, M. J. and M. S. Ramsey (2004), Analysis of hot springs and associated deposits in Yellowstone National Park using ASTER and AVIRIS remote sensing; Volcanic observations from space; new results from the EOS Satellite instruments, *J. Volcanol. Geotherm. Res., 135*(1-2), 195-219, doi:10.1016/j.jvolgeores.2003.12.012.
Helm, C. W. (2007), Glacier change in Franz Josef Land, 1952-2004, 74.
Henney, L. A., L. A. Rodriguez, and I. M. Watson (2012), A comparison of SO2 retrieval techniques using mini-UV spectrometers and ASTER imagery at Lascar volcano, Chile, *Bull. Volcanol., 74*(2), 589-594, doi:http://dx.doi.org/10.1007/s00445-011-0552-2.
Henney, L. A. and I. M. Watson (2006), The Use of the Advanced Spacebourne Thermal Emission and Reflection Radiometer (ASTER) to Detect Sulphur Dioxide Emissions at Fuego and Pacaya Volcanoes, Guatemala, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.), V53A-1727.
Heras, M. M. l., P. M. Saco, and G. R. Willgoose (2012), A comparison of SRTM V4 and ASTER GDEM for Hydrological applications in low relief terrain, *Photogramm. Eng. Remote Sensing, 78*(7), 757-766.
Herbreteau, V., F. Demoraes, J. P. Hugot, P. Kittayapong, G. Salem, M. Souris, and J. P. Gonzalez (2006), Perspectives on applied spatial analysis to animal health, *ANNALS OF THE NEW YORK ACADEMY OF SCIENCES, 1081*, 17-29. 171

Herman, F., B. Anderson, and S. Leprince (2010), Mountain glacier velocity variation during a retreat-advance cycle quantified using high-precision analysis of ASTER images, paper presented at SIRG 2010; Snow and Ice Group (NZ) annual workshop; programme and abstract book, , Snow and Ice Research Group, New Zealand (NZL).
Herman, F., B. Anderson, and S. Leprince (2011), Mountain glacier velocity variation during a retreat/advance cycle quantified using sub-pixel analysis of ASTER images, *J. Glaciol., 57*(202), 197-207, doi:10.3189/002214311796405942.
Herman, F. and J. Braun (2008), Evolution of the glacial landscape of the Southern Alps of New Zealand; insights from a glacial erosion model, *Journal of Geophysical Research, 113*(F2), F02009, doi:10.1029/2007JF000807.
Hernandez-Baquero, E. D. (2000), Characterization of the Earth's Surface and Atmosphere From Multispectral and Hyperspectral Thermal Imagery,.
Hernandez-Baquero, E. D. and J. R. Schott (2000), Atmospheric compensation for surface temperature and emissivity separation, paper presented at Algorithms for Multispectral, Hyperspectral, and Ultraspectral Imagery VI, Apr 24-Apr 26 2000, , Society of Photo-Optical Instrumentation Engineers, Bellingham, WA, USA.

Herried, B., C. C. Porter, P. J. Morin, and I. M. Howat (2011), Rapidice viewer; a web application to observe near real-time changes in polar ice sheets and glaciers with a multi-sensor, multi-temporal approach, *American Geophysical Union Fall Meeting, 2011*, Abstract C41E-0455, doi:http://www.agu.org/cgi-bin/SFgate/SFgate?language=English&verbose=0&listenv=table&application=fm11&convert=&convert hl=&refinequery=&formintern=&formextern=&transquery=an%3dc41e&_lines=&multiple=0&descripto r=%2fdata%2fepubs%2fwais%2findexes%2ffm11%2ffm11%7c.
Herzfeld, U. C. (2008), Master of the obscure; automated geostatistical classification in presence of complex geophysical processes, in *Progress in geomathematics,* , edited by G. F. Bonham-Carter et al, Springer. 172

HERZFELD, U. C. (2008), Master of the Obscure-Automated Geostatistical Classification in Presence of Complex Geophysical Processes, *Mathematical geosciences, 40*, 587-618.
Heumann, B. W. (2011), Satellite remote sensing of mangrove forests: Recent advances and future opportunities, *Prog. Phys. Geogr., 35*(1), 87-108, doi:10.1177/0309133310385371.
Hewson, R. D., T. J. Cudahy, A. C. Burtt, K. Okada, and A. J. Mauger (2004), Assessment of ASTER imagery for geological mapping within the Broken Hill and Olary Domains; To measure is to manage; 12th Australasian remote sensing and photogrammetry conference proceedings, paper presented at 12th Australasian remote sensing and photogrammetry conference, Fremantle, West. Aust, , Spatial Sciences Institute, Deakin West, Australia (AUS), Australia.
Hewson, R. D., T. J. Cudahy, J. Drake-Brockman, J. Meyers, and A. Hashemi (2006), Mapping geology associated with manganese mineralisation using spectral sensing techniques at Woodie Woodie, east Pilbara, *Abstracts - Geological Society of Australia, 82*, 11.
Hewson, R. D., T. J. Cudahy, J. Drake-Brockman, J. Meyers, and A. Hashemi (2006), Mapping geology associated with manganese mineralisation using spectral sensing techniques at Woodie Woodie, east Pilbara; 18th Australian Society of Exploration Geophysicists (ASEG) geophysical conference and exhibition, Australian earth sciences convention 2006 (AESC2006), *Exploration Geophysics (Melbourne), 37*(4), 389-400.
Hewson, R. D., T. J. Cudahy, and J. F. Huntington (2001), Geologic and alteration mapping at Mt fitton, South Australia, using ASTER satellite-borne data, paper presented at 2001 International Geoscience and Remote Sensing Symposium (IGARSS 2001), Jul 9-13 2001, , Institute of Electrical and Electronics Engineers Inc.
Hewson, R. D., T. J. Cudahy, S. Mizuhiko, K. Ueda, and A. J. Mauger (2005), Seamless geological map generation using ASTER in the Broken Hill-Curnamona province of Australia, *Remote Sens. Environ., 99*(1-2), 159-172. 173

Hewson, R. D., T. J. Cudahy, M. Shoji, and K. Ueda (2004), Processing and evaluation of ASTER imagery to generate seamless geological maps for regional surveys; To measure is to manage; 12th Australasian remote sensing and photogrammetry conference proceedings, paper presented at 12th Australasian remote sensing and photogrammetry conference, Fremantle, West. Aust, , Spatial Sciences Institute, Deakin West, Australia (AUS), Australia.
Hewson, R. D., G. R. Taylor, and L. B. Whitbourn (2008), Application of TIR imagery and spectroscopy for the extraction of soil textural information at fowlers gap, Western New South Wales, Australia, paper presented at 2008 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2008, , IEEE.
Hewson, R. D., A. Mah, M. Dunne, and T. J. Cudahy (2003), Mapping mineralogical and structural relationships with satellite-borne ASTER and airborne geophysics at Broken Hill; ASEG 2003; Growth through innovation; 16th geophysical conference & exhibition, *Preview (Brisbane, Qld.), 102*, 71.
Hewson, R. D., A. J. Mauger, P. Hausknecht, T. J. Cudahy, R. S. Robertson, K. Okada, and M. Peljo (2003), Geological mapping using ASTER satellite imagery within the Curnamona Province; Broken Hill Exploration Initiative; abstracts from the July 2003 conference, *Record - Geoscience Australia, 2003/13*, 69-72.
Hewson, R. and T. Cudahy (2008), Hyperspectral mineral mapping for the geosciences in Australia, *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 33*, @Abstract 1342813, doi:http://www.cprm.gov.br/33IGC/1342813.html.

Higgins, C. T., F. G. Perez, L. L. Busch, M. C. Fonseca, G. A. Swayze, and R. F. Kokaly (2003), Use of remote-sensing technology to enhance geologic products of the California Geological Survey used for public policy; Geological Society of America, 2003 annual meeting, *Abstracts with Programs - Geological Society of America, 35*(6), 141. 174

Higman, B. M., P. Lynett, B. McAdoo, J. Borrero, and P. Ruggiero (2005), Geomorphic imprint of the 2004 Sumatra tsunami; Geological Society of America, 2005 annual meeting, *Abstracts with Programs - Geological Society of America, 37*(7), 93.
Hikosaka Shuhei, Tonooka Hideyuki, and H. T. (2004), Improvement of a Bayesian-based method for automatic sub-pixel registration of satellite imagery and GIS.
Hill, M. J., A. A. Held, R. Leuning, N. C. Coops, D. Hughes, and H. A. Cleugh (2006), MODIS spectral signals at a flux tower site: Relationships with high-resolution data, and CO_2 flux and light use efficiency measurements, *Remote Sens. Environ., 103*(3), 351-368.
Hirano, A. (2001), Digital stereoscopic and hyperspectral data for environmental mapping applications, *DAI, 63*(01B), 1-156.
Hirano, A., R. Welch, and H. Lang (2003), Mapping from ASTER stereo image data; DEM validation and accuracy assessment; Challenges in geospatial analysis and visualization, *ISPRS Journal of Photogrammetry and Remote Sensing, 57*(5-6), 356-370, doi:10.1016/S0924-2716(02)00164-8.
Hirn, B. R. and F. Ferrucci (2008), Southern Italy burn scar mapping by MYME2 procedure using IRS-P6 LISS3, paper presented at 2008 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2008, , IEEE.
Hirn, B. R., C. D. Bartola, and F. Ferrucci (2005), Automated, multi-payload, high-resolution temperature mapping and instant lava effusion rate determination at erupting volcanoes, paper presented at 2005 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2005, Jul 25-29 2005, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Hirn, B. R., C. Di Bartola, and F. Ferrucci (2006), Thermal monitoring of major active volcanoes worldwide by synergetic merge of high- and low-resolution payloads ASTER, ETM+, TM and MODIS, paper presented at 2006 IEEE International Geoscience and Remote Sensing 175

Symposium, IGARSS, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Hirn, B. R. and F. Ferrucci (2005), MYME2: A multi-payload integrated procedure for the automated, high-resolution remote sensing of burn scars, paper presented at 2005 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2005, Jul 25-29 2005, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Hirn, B., C. Di Bartola, and F. Ferrucci (2008), Spaceborne monitoring 2000-2005 of the Pu'u 'O'o-Kupaianaha (Hawaii) eruption by synergetic merge of multispectral payloads ASTER and MODIS, *IEEE Trans. Geosci. Remote Sens., 46*(10), 2848-2856.
Hirn, B., C. Di Bartola, and F. Ferrucci (2008), Improvement and validation of MODIS performance in automated detection and extent estimate of wildfires, paper presented at 2007 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2007, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Hirn, B., C. Di Bartola, and F. Ferrucci (2008), Near-tactical eruption rate monitoring of Pu'u O'o (Hawaii) 2000-2005 by synergetic merge of payloads ASTER and MODIS, paper presented at 2007 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2007, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States, Barcelona, Spain.
Hirose, K., Y. S. Y. Maruyama, Hang H T M, N. H. Anh, and T. Triet (2003), Monitoring of Can Gio mangrove forest in Vietnam.
Hirose, K., M. Syoji, Hang H T M, N. H. Anh, T. Triet, and V. N. Nam (2004), Mangrove mapping using ASTER VNIR and SWIR data.
Hirose, K., T. Sanga, Y. Arakawa, Y. Maruyama, T. B. Tran, H. T. Tuan, N. H. Anh, and H. T. M. Hang (2005), A case study of spatial analysis for environmental monitoring, paper 176

presented at 26th Asian Conference on Remote Sensing, ACRS 2005 and 2nd Asian Space Conference, ASC, November 7, 2005 - November 11, 2005, Ha Noi, Viet nam, , Asian Association on Remote Sensing.

Hirt, C., M. S. Filmer, and W. E. Featherstone (2010), Comparison and validation of the recent freely available ASTER-GDEM ver1, SRTM ver4.1 and GEODATA DEM-9S ver3 digital elevation models over Australia, *Aust. J. Earth Sci., 57*(3), 337-347, doi:10.1080/08120091003677553.
Hishida Hajime, Ooka Takashi, and N. Y. (2005), Development and Application of Mineral Exploration Technique, *Journal of the Mining and Materials Processing Institute of Japan, 121,NO.7*, PAGE.310-317.
Hjartardottir, A. R., P. Einarsson, and B. Brandsdottir (2010), The Kerlingar Fault, northeast Iceland; a Holocene normal fault east of the divergent plate boundary, *Jokull, 60*, 103-116.
Hlavka, C. A., J. L. Dungan, R. Thirulanambi, and D. Roy (2004), Application of Geostatistical Simulation to Enhance Satellite Image Products, paper presented at Seventh International Geostatistics Congress, , Banff, Alberta Canada.
Hlavka, D. L., W. D. Hart, S. P. Pal, M. McGill, and J. D. Spinhirne (2004), Initial Validation and Results of Geoscience Laser Altimeter System Optical Properties Retrievals, paper presented at IGARRS Meeting, .
Ho Dinh Duan and M. Shibayama (2009), Studies on Hanoi Urban Transition in the Late 20th Century Based on GIS/RS, *South East Asian Studies, 46*(4), 532-546.
Ho, L. T. K., Y. Yamaguchi, and M. Umitsu (2011), Automated micro-landform classification by combination of satellite images and SRTM DEM, paper presented at 2011 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2011, July 24, 2011 - July 29, 2011, , Institute of Electrical and Electronics Engineers Inc, Vancouver, BC, Canada.
Hobish, M. K., P. E. Ardanuy, and V. V. Salomonson (1994), Surface imaging technologies for NASA's Earth observing system, *J Imaging Sci Technol, 38*(4), 301-10. 177

Hobson, V. R. and J. W. Shervais (2004), Variations in the characteristics of Craters of the Moon lava flows from vent to termination; remotely sensed spectra and field observations, *EOS Trans. Am. Geophys. Union, 85*(47, Suppl.), Abstract V33C-1481.
Hobson, V. R. (2004), Remote sensing of volcanics; Craters of the Moon lava fields; Geological Society of America, Rocky Mountain Section, 56th annual meeting; Geological Society of America, Cordilleran Section, 100th annual meeting, *Abstracts with Programs - Geological Society of America, 36*(4), 79.
Hodge, D., M. Ohlers, S. Bland, and D. Roques (2004), Model building and structural modeling using remotely sensed data, *Annual Meeting Expanded Abstracts - American Association of Petroleum Geologists, 13*, 64.
Hoedjes, J. C. B., A. Chehbouni, J. Ezzahar, R. Escadafal, and H. A. R. De Bruin (2007), Comparison of large aperture scintillometer and eddy covariance measurements: Can thermal infrared data be used to capture footprint-induced differences? *J. Hydrometeorol., 8*(2), 144-159.
Hoedjes, J. C. B., A. Chehbouni, F. Jacob, J. Ezzahar, and G. Boulet (2008), Deriving daily evapotranspiration from remotely sensed instantaneous evaporative fraction over olive orchard in semi-arid Morocco, *Journal of Hydrology, 354*(1-4), 53-64.
Hoff, R., M. Bergmann, and J. R. Ducati (2008), Integracao de dados geologicos, geomorfologicos, solos e de processamento digital de imagem ASTER para identificacao de terroir na folha Pinheiro Machado, RS, Brasil. Integration of geologic, geomorphologic and soils data with ASTER imagery digital data processing to identify terroirs, Pinheiro Machado sheet, Rio Grande do Sul, Brazil, paper presented at Sociedade Brasileira de Geologia; 44 degrees congresso, Curitiba, BRA, Brazil, Oct. 26-31, 2008, , Sociedade Brasileira de Geologia, Porto Alegre, Brazil (BRA). 178

Hofstra, A. H. and B. W. Rockwell (2009), Pine Grove Mo porphyry and NG alunite area, Utah; deep and shallow products of neighboring silicic cupolas above a large plutonic complex, *Abstracts with Programs - Geological Society of America, 41*(6), 6.
Holden, Z. A., P. Morgan, A. M. S. Smith, and L. Vierling (2010), Beyond Landsat: a comparison of four satellite sensors for detecting burn severity in ponderosa pine forests of the Gila Wilderness, NM, USA, *Int. J. Wildland Fire, 19*(4), 449-458, doi:10.1071/WF07106.
Holden, Z. A. (2008), Twenty year (1984--2004) temporal and spatial burn severity patterns inferred from satellite imagery in the Gila National Forest, New Mexico, *DAI, 69*(05B), 149-2688.
Holm-Denoma, C. S., A. H. Hofstra, R. C. Capps, P. J. Noble, and B. W. Rockwell (2010), Recognition of a regional Ordovician Valmy Formation thrust sheet; implications for assembly of the Roberts Mountains Allochthon and exploration for concealed carlin-type gold deposits, *Abstracts with Programs - Geological Society of America, 42*(5), 573.

Holt, E. H., A. J. Peters, I. M. Lowles, H. M. Apsimon, A. T. Buckland, R. H. Maryon, R. L. Walko, R. A. Pielke, and S. A. Luces (1992), Model intercomparisons using the Kuwait smoke plume as a tracer, *J. Aerosol Sci., 23*(SUPPL 1), 949-951.
Hommels, A., K. H. Scholte, J. Munoz-Sabater, R. F. Hanssen, F. D. Van der Meer, S. B. Kroonenberg, E. Aliyeva, D. Huseynov, and I. Guliev (2003), Preliminary ASTER and InSAR imagery combination for mud volcano dynamics, Azerbaijan, paper presented at 2003 IGARSS: Learning From Earth's Shapes and Colours, Jul 21-25 2003, , Institute of Electrical and Electronics Engineers Inc.
Honarmand, M., H. Ranjbar, and J. Shahabpour (2013), Combined use of ASTER and ALI data for hydrothermal alteration mapping in the northwestern part of the Kerman magmatic arc, Iran, *Int. J. Remote Sens., 34*(6), 2023-2046, doi:http://dx.doi.org/10.1080/01431161.2012.731540. 179

Honarmand, M., H. Ranjbar, and J. Shahabpour (2012), Application of Principal Component Analysis and Spectral Angle Mapper in the Mapping of Hydrothermal Alteration in the Jebal-Barez Area, Southeastern Iran, *Resour. Geol, 62*(2), 119-139, doi:http://dx.doi.org/10.1111/j.1751-3928.2012.00184.x.
Honda, K., D. H. Nguyen, and H. Shimamura (2007), Linking OGC Web services to Google Earth, paper presented at 2006 SICE-ICASE International Joint Conference, , IEEE, Busan, South Korea.
Hong, X., Q. Wang, G. Liu, and H. Li (2005), Vegetation Evolvement Analysis at Gudong Oil Field Using Remote Sensing Data, *Geo-information Science, 7*(4), 5-9.
Hongen, Z., S. Liu, Q. Lin, and J. Shi (2004), Sub-pixel lake mapping in Tibetan plateau, paper presented at 2004 IEEE International Geoscience and Remote Sensing Symposium Proceedings: Science for Society: Exploring and Managing a Changing Planet. IGARSS 2004, Sep 20-24 2004, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Hook, S. (2000), MASTER - A New Instrument for Hyperspectral Analysis From the Visible to Thermal Infrared,.
Hook, S. (2000), Remote Mapping of Land Surface Chemistry by Visible to Thermal Infrared Spectrometry,.
Hook, S. and A. Abtahi (1998), In Flight Validation of Thermal Infrared Data Over Land, paper presented at International Society for Optical Engineering (SPIE), .
Hook, S., R. Alley, and M. N. Orton (2002), WINVICAR - A Windows Based Image Analysis Software Package Suitable for Manipulating EOS Data, *51*, 0175.
Hook, S., L. Rowan, and K. Howard (2000), Mapping the Gold Butte Block with Visible Through Thermal Infrared Spectroscopy,. 180

Hook, S., G. Schladow, A. Abtahi, F. Prata, B. Richards, and S. Palmarsson (2000), Validation of ASTER and MODIS Thermal Infrared Data Product,.
Hook, S., K. Thome, H. Kieffer, R. Alley, P. Palluconi, A. Gillespie, R. Feind, and H. Lang (1999), ASTER Validation Plan,.
Hook, S., K. Thome, J. Myers, and M. Fitzgerald (2000), In Flight Validation of MASTER Data - A Necessity for Quantitative Geologic Mapping, paper presented at International Conference and Workshops on Applied Geologic Remote Sensing, .
Hook, S. J., G. Chander, J. A. Barsi, R. E. Alley, A. Abtahi, F. D. Palluconi, B. L. Markham, R. C. Richards, S. G. Schladow, and D. L. Helder (2004), In-flight validation and recovery of water surface temperature with Landsat-5 thermal infrared data using an automated high-altitude lake validation site at Lake Tahoe, *IEEE Trans. Geosci. Remote Sens., 42*(12), 2767-76.
Hook, S. J. and F. Prata (2001), Land surface temperature measurements by ASTER and MODIS - first results,.
Hook, S. J., G. Schladow, N. Z. Saleous, L. Gumley, T. Steissberg, A. Abtahi, R. E. Alley, and R. C. Richards (2003), Application of EOS MODIS and ASTER data to lake monitoring, 1.
Hook, S. J., R. G. Vaughan, H. Tonooka, and S. G. Schladow (2007), Absolute radiometric in-flight validation of mid infrared and thermal infrared data from ASTER and MODIS on the terra spacecraft using the lake tahoe, CA/NV, USA, automated validation site, *IEEE Trans. Geosci. Remote Sens., 45*(6), 1798-807.
Hook, S. J., E. A. Abbott, C. Grove, A. B. Kahle, and F. D. Palluconi (1999), Use of multispectral thermal infrared data in geological studies, in *Remote sensing for the earth sciences,* , vol. 3, edited by A. N. Rencz et al, United States (USA), John Wiley & Sons, New York, NY, United States (USA). 181

Hook, S. J., J. E. Dmochowski, K. A. Howard, L. C. Rowan, K. E. Karlstrom, and J. M. Stock (2005), Mapping variations in weight percent silica measured from multispectral thermal infrared imagery; examples from the Hiller Mountains, Neveda, USA and Tres Virgenes-La Reforma, Baja California Sur, Mexico, *Remote Sens. Environ., 95*(3), 273-289, doi:10.1016/j.rse.2004.11.020.
Hook, S. J., J. J. Myers, K. J. Thome, M. Fitzgerald, and A. B. Kahle (2001), The MODIS/ASTER airborne simulator (MASTER) - A new instrument for Earth science studies, *Remote Sens. Environ., 76*(1), 93-102.
Hook, S. J., L. C. Rowan, and K. A. Howard (2001), Mapping lithological variations with visible to thermal infrared spectroscopy; a case study from Gold Butte, NV; Geological Society of America, 2001 annual meeting, *Abstracts with Programs - Geological Society of America, 33*(6), 291.
Horwath, J. L. and R. S. Sletten (2004), Large and Small Scale Mapping of High Arctic Vegetation by NDVI: Thule, Greenland, *43*, 0240.
Horwath, J. L. (2007), Quantification and spatial assessment of high Arctic soil organic carbon storage in northwest Greenland, *DAI, 68*(02B), 1-845.
Hossain, M. S., S. R. Chowdhury, S. M. A. Jabbar, S. M. Saifullah, and M. A. Rahman (2008), Occupational health hazards of ship scrapping workers at Chittagong coastal zone, Bangladesh, *Chiang Mai Journal of Science, 35*(2), 370-81.
Hossain, M. S., S. R. Chowdhury, N. G. Das, S. M. Sharifuzzaman, and A. Sultana (2009), Integration of GIS and multicriteria decision analysis for urban aquaculture development in Bangladesh, *Landscape Urban Plann., 90*(3-4), 119-133.
Hossain, M. S. and N. G. Das (2010), GIS-based multi-criteria evaluation to land suitability modelling for giant prawn (Macrobrachium rosenbergii) farming in Companigonj Upazila of 182

Noakhali, Bangladesh, *Comput. Electron. Agric., 70*(1), 172-186, doi:10.1016/j.compag.2009.10.003.
Hosseinjani, M. and M. H. Tangestani (2011), Mapping alteration minerals using sub-pixel unmixing of ASTER data in the Sarduiyeh area, SE Kerman, Iran, *Int. J. Digit. Earth, 4*(6), 487-504, doi:http://dx.doi.org/10.1080/17538947.2010.550937.
Hosseinjanizadeh, M. and M. H. Tangestani (2012), Sub-pixel mapping of the alteration minerals using aster data, a case study from the central part of Dehaj-Sarduiyeh copper belt, SE Kerman, Iran, paper presented at 2012 IEEE International Geoscience and Remote Sensing Symposium (IGARSS), 22-27 July 2012, Munich, Germany, .
Hostert, P. and A. Petkov (2004), Sensitivity study for urban change analysis comparing Landsat-ETM+ and Terra-ASTER data, paper presented at Remote Sensing for Environmental Monitoring, GIS Applications, and Geology III; Barcelona, Spain; Sep. 9-11, 2003, .
Hou, B. and A. Mauger (2005), How well does remote sensing aid palaeochannel identification? An example from the Harris greenstone belt, *MESA Journal, 38*, 46-52.
Houborg, R., M. C. Anderson, and W. P. Kustas (2010), Combining observations in the reflective solar and thermal domains for improved carbon and energy flux estimation, paper presented at American Society for Photogrammetry and Remote Sensing Annual Conference 2010: Opportunities for Emerging Geospatial Technologies, April 26, 2010 - April 30, 2010, San Diego, CA, United States, , American Society for Photogrammetry and Remote Sensing.
Hough, S. E., A. Yong, J. R. Altidor, D. Anglade, D. Given, and S. Mildor (2011), Site characterization and site response in Port-au-Prince, Haiti, *Earthquake Spectra, 27*(Suppl. 1), S137-S155, doi:10.1193/1.3637947.
Howat, I. M., I. Joughin, and T. A. Scambos (2007), Rapid changes in ice discharge from Greenland outlet glaciers, *Science, 315*(581), 1559-1561. 183

Howat, I. M., I. Joughin, S. Tulaczyk, and S. Gogineni (2005), Rapid retreat and acceleration and Helheim Glacier, East Greenland, *Geophys. Res. Lett., 32*(22), 4, doi:10.1029/2005GL024737.
Howat, I. M., B. Smith, I. Joughin, and T. Scambos (2007), The rate of ice sheet mass-loss from southeast Greenland from combined GLAS and ASTER observations, *EOS Transactions, American Geophysical Union, 88*(52,; Suppl. Volume 1-2).
Howat, I. M., B. E. Smith, I. Joughin, and T. A. Scambos (2008), Rates of southeast Greenland ice volume loss from combined ICESat and ASTER observations, *Geophys. Res. Lett., 35*(17), L17505, doi:10.1029/2008GL034496.

Howell, D., Y. G. Kim, and C. A. Haydu-Houdeshell (2008), Development and application of digital soil mapping within traditional soil survey; what will it grow into?; in *Digital soil mapping with limited data,* , edited by A. E. Hartemink et al, pp. 43-51, Federal Republic of Germany (DEU), Springer Science + Business Media, Federal Republic of Germany (DEU).
Howell, B., Nguyen Thi Thuc Anh, M. Farmer, and Bui Xuan Vinh (2007), Some preliminary results on the gold exploration program of Pu Sam Cap Project of Triple Plate Junction Ltd., Viet Nam, *Geology (Vietnam), 30*, 57-67.
Htun, N. Z., N. Mizoue, and S. Yoshida (2011), Classifying tropical deciduous vegetation: A comparison of multiple approaches in Popa mountain park, Myanmar, *Int. J. Remote Sens., 32*(24), 8935-8948, doi:10.1080/01431161.2010.531779.
Hu, D., L. Yang, J. Zhou, and L. Deng (2012), Estimation of urban energy heat flux and anthropogenic heat discharge using aster image and meteorological data: case study in Beijing metropolitan area, *Journal of Applied Remote Sensing, 6*, 063559, doi:http://dx.doi.org/10.1117/1.JRS.6.063559.
Hu, H., F. Chen, and Q. Wang (2011), Estimating the effective wavelength of the thermal band for accurate brightness temperature retrieval: Methods and comparison, paper presented at 184

ICSDM 2011 - Proceedings 2011 IEEE International Conference on Data Mining and Geographical Knowledge Services, June 29 2011-July 1 2011, , IEEE Computer Society, Fuzhou, China.
Hu, S., L. Zhang, Y. Su, and L. Liu (2011), Selection of different extraterrestrial solar spectral irradiance datasets and its effects on mean solar exoatmospheric irradiance, paper presented at 32nd Asian Conference on Remote Sensing 2011, ACRS 2011, October 3, 2011 - October 7, 2011, Tapei, Taiwan, , Asian Association on Remote Sensing.
Hu, X. and Q. Weng (2009), Estimating impervious surfaces from medium spatial resolution imagery using the self-organizing map and multi-layer perceptron neural networks, *Remote Sens. Environ., 113*(10), 2089-2102.
Hu, X. and Q. Weng (2010), Estimation of impervious surfaces of Beijing, China, with spectral normalized images using linear spectral mixture analysis and artificial neural network, *Geocarto International, 25*(3), 231-253, doi:http://dx.doi.org/10.1080/10106040903078838.
Hu, X. and Q. Weng (2011), Estimating impervious surfaces from medium spatial resolution imagery: A comparison between fuzzy classification and LSMA, *Int. J. Remote Sens., 32*(20), 5645-5663.
Hu, Y. and G. Jia (2010), Influence of land use change on urban heat island derived from multi-sensor data, *Int. J. Climatol., 30*(9), 1382-1395, doi:10.1002/joc.1984.
Hu, Y., L. Deng, S. Zhang, J. Ling, C. Huang, X. Kuang, and L. Liu (2011), Changes of land use and landscape pattern in Xichang city based on RS and GIS, *Nongye Gongcheng Xuebao/Transactions of the Chinese Society of Agricultural Engineering, 27*(10), 322-327, doi:http://dx.doi.org/10.3969/j.issn.1002-6819.2011.10.056.
Hua, C. and Y. Lu (2009), Study on thermal environmental distribution in coastal city using ASTER data, paper presented at 2009 Joint Urban Remote Sensing Event, May 20, 2009 - May 22, , IEEE Computer Society. 185

Huang ZhaoQiang and Zhang XianFeng (2010), Lithological mapping of ophiolite composition in Zedan-Luobusha, Yarlung Zangbo suture zone using Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) data, *Acta Petrologica Sinica, 26*(12), 3589-3596.
Huang, C., E. L. Geiger, and J. A. Kupfer (2006), Sensitivity of landscape metrics to classification scheme, *Int. J. Remote Sens., 27*(12-14), 2927-2948, doi:10.1080/0143116060554330.
Huang, C., C. Liu, L. Chang, S. Wang, K. Yan, F. Wu, and A. Wu (2007), Monitoring Polar Environmental Change Using FORMOSAT-2 Satellite, *EOS Transactions, American Geophysical Union, 88*(52,; Suppl. Volume 1-2).
Huang, C., Q. Chen, S. Ying, F. Zhao, Y. Shao, W. Yu, J. Chen, F. Liu, X. Xu, and J. Li (2009), An analysis on the coupling relationship between urban vegetation and land surface temperature in Hangzhou based on ASTER imagery, paper presented at Geoscience and Remote Sensing Symposium,2009 IEEE International,IGARSS 2009, , IEEE, Cape Town, South Africa.
Huang, C., Y. Shao, J. Li, J. Chen, and J. Liu (2008), Temporal analysis of land surface temperature in Beijing utilizing remote sensing imagery, paper presented at IGARSS 2008 - 2008 IEEE International Geoscience and Remote Sensing Symposium, , IEEE.
Huang, F., K. Lisa, S. Xiong, and F. Huang (2005), Holocene grassland vegetation, climate and human impact in central eastern Inner Mongolia, *Sci. China Ser. D (Earth Sci.), 48*(7), 1025-1039, doi:10.1360/03yd0165.

Huang, L. and Z. Li (2011), Comparison of SAR and optical data in deriving glacier velocity with feature tracking, *Int. J. Remote Sens., 32*(10), 2681-2698, doi:10.1080/01431161003720395. 186

Huang, M., S. Liu, and Q. Shu (2004), Analysis of the Factors Impacting Evapotranspiration Estimation Using Remote Sensing Data, *Arid Land Geography, 27*(1), 100-105.
Huang, M., X. Xing, S. Liu, and S. Liu (2005), Study on the Method Obtaining the Three Elements for the Retrieval of the Surface Temperature Based on Infrared Radiometer, *Arid Land Geography, 28*(4), 541-547.
Huang, M., J. Yu, S. Hu, and M. Jing (2006), Study on evapotranspiration estimation of small drainage based on ASTER data, paper presented at 2006 IEEE International Geoscience and Remote Sensing Symposium, IGARSS, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Huang, Q., J. Luo, Z. Shi, and J. Li (2012), An experimental study on paddy soil moisture inversion based on emissive hyperspectra, paper presented at 1st International Conference on Agro-Geoinformatics, Agro-Geoinformatics 2012, August 2, 2012 - August 4, 2012, Shanghai, China, , IEEE Computer Society.
Huang, S., F. Siegert, J. G. Goldammer, and A. I. Sukhinin (2009), Satellite-derived 2003 wildfires in southern Siberia and their potential influence on carbon sequestration, *Int. J. Remote Sens., 30*(6), 1479-1492, doi:10.1080/01431160802541549.
HUANG, S. and H. Shi (2005), Fault Analysis Based on ASTER Imaging Informationï.š Introduced by an Application Test in Baiyin Area, Gansu Province, *Geological journal of China universities, 11*(4), 633-641.
Huang, S., Q. Liu, X. Li, and Q. Liu (2005), Spectral analysis of soil salinity using the Grey System Theory, paper presented at 2005 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2005, Jul 25-29 2005, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Huang, W., X. Song, D. W. Lamb, Z. Wang, Z. Niu, L. Liu, and J. Wang (2008), Estimation of winter wheat grain crude protein content from in situ reflectance and advanced spaceborne 187

thermal emission and reflection radiometer image, *Journal of Applied Remote Sensing, 2*(1), 023530.
Huang, W., X. Song, J. Wang, Z. Wang, and C. Zhao (2008), Prediction of winter wheat grain protein content by ASTER image, paper presented at Remote Sensing for Agriculture, Ecosystems, and Hydrology X, , SPIE - The International Society for Optical Engineering.
Huawei, W., W. Jindi, X. Zhiqiang, and L. Li (2007), Generating the high spatial and temporal resolution LAI by fusing MODIS and ASTER, *Beijing Daxue Xuebao (Ziran Kexue Ban)/Acta Scientiarum Naturalium Universitatis Pekinensis, 43*(3), 303-8.
Hubbard, B. E. and J. K. Crowley (2005), Mineral mapping on the Chilean-Bolivian Altiplano using co-orbital ALI, ASTER and Hyperion imagery: Data dimensionality issues and solutions, *Remote Sens. Environ., 99*(1-2), 173-186.
Hubbard, B. E., J. K. Crowley, and J. Mars (2002), Paleohydrologic Analysis of Debris-Flow Inundation at Mount Rainier, Washington Using ASTER and SRTM Derived Topography, *21*, 01.
Hubbard, B. E., J. K. Crowley, and D. R. Zimbelman (2003), Comparative alteration mineral mapping using visible to shortwave infrared (0.4-2.4 micrometers) Hyperion, ALI and ASTER imagery, *IEEE Trans. Geosci. Remote Sens., 41*(6), 1401-1410.
Hubbard, B. E., M. F. Sheridan, G. Carrasco-Nunez, R. Diaz-Castellon, and S. R. Rodriguez (2007), Comparative lahar hazard mapping at volcan Citlaltepetl, Mexico using SRTM, ASTER and DTED-1 digital topographic data, *J. Volcanol. Geotherm. Res., 160*(1-2), 99-124.
Hubbard, B. E. (2011), Identification of mineral anomalies in Afghanistan using advanced spaceborne thermal emission and reflection radiometer, *U.S. Geological Survey Open File Report, 2011-1229*, 36-157, doi:http://pubs.usgs.gov/of/2011/1229/.
Hubbard, B. E., R. G. Clark, A. C. Gellis, M. J. Pavich, and J. C. Mars (2004), Building a geospatial/temporal database for assessing sediment erosion in the Susquehanna watershed; contributions of ASTER, Landsat-7 ETM and ALI imagery; Geological Society of America, 188

Northeastern Section, 38th annual meeting; Geological Society of America, Southeastern Section, 53rd annual meeting, *Abstracts with Programs - Geological Society of America, 36*(2), 78.

Hubbard, B. E. and J. K. Crowley (2001), Alteration mineral mapping in the Central Andes using Hyperion, ALI and ASTER; Geological Society of America, 2001 annual meeting, *Abstracts with Programs - Geological Society of America, 33*(6), 319.
Hubbard, B. E., C. Dusel-Bacon, L. C. Rowan, and R. G. Eppinger (2010), Mapping known and potential mineral occurrences and host rocks in the Bonnifield mining district using minimal cloud- and snow-cover ASTER data; *in* Recent U. S. Geological Survey studies in the Tintina gold province, Alaska, United States, and Yukon, Canada; results of a 5-year project, *Scientific Investigations Report, SIR 2007-5289*, E1-E8.
Hubbard, B. E., H. W. Folger, J. W. Parcher, and W. R. Page (2006), Multi-temporal remote sensing assessment of soil moisture and vector-borne disease potential in the Pleistocene Beaumont and lower Rio Grande delta, Southern Texas and northern Taumalipas, US-Mexico border region; Geological Society of America, South-Central Section, 40th annual meeting, *Abstracts with Programs - Geological Society of America, 38*(1), 7.
Hubbard, B. E., A. C. Gellis, M. J. Pavich, D. Merritts, and R. C. Walter (2006), Remote sensing of land use/cover factors influencing soil erosion in the Little Conestoga watershed, Lancaster County, Pennsylvania; Geological Society of America, 2006 annual meeting, *Abstracts with Programs - Geological Society of America, 38*(7), 54.
Hubbard, B. E., T. V. V. King, M. R. Johnson, and B. J. Drenth (2011), Discussion of anomaly overlap areas and potential for economic development, *U.S. Geological Survey Open File Report, 2011-1229*, 321-327, doi:http://pubs.usgs.gov/of/2011/1229/.
Hubbard, B. E., W. R. Page, H. W. Folger, M. D. Merrill, and J. W. Parcher (2008), Multi-temporal remote sensing of soil moisture and vector-borne disease potential in the Rio Grande Delta, south Texas/north Tamaulipas, US-Mexico border area, paper presented at Second 189

national conference on USGS health-related research, Reston, VA, United States, Feb. 27-March 1, 2007 Abstract only, , U. S. Geological Survey, Reston, VA, United States (USA), Reston, VA.
Hubbard, B. E., L. C. Rowan, C. Dusel-Bacon, and R. G. Eppinger (2006), Geologic mapping and mineral resource assessment of the Healy-Talkeetna Mountains Quadrangles, Alaska using minimal cloud- and snow-cover ASTER data, *Abstracts with Programs - Geological Society of America, 38*(7), 563.
Hudak, A. T., A. M. Smith, J. S. Evans, and M. J. Falkowski (2006), Estimating Coniferous Forest Canopy Cover From LiDAR and Multispectral Data, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
Hudson, P. F., R. R. Colditz, and M. Aguilar-Robledo (2006), Spatial relations between floodplain environments and land use - Land cover of a large lowland tropical river valley: Panuco basin, Mexico, *Environ. Manage., 38*(3), 487-503.
Hugenholtz, C. H. and T. E. Barchyn (2010), Spatial analysis of sand dunes with a new global topographic dataset: new approaches and opportunities, *Earth Surf. Process. Landforms, 35*(8), 986-992, doi:10.1002/esp.2013.
Huggel, C., D. Schneider, P. Julio-Miranda, H. Delgado-Granados, and A. Kaab (2007), DEM Data for Lahar Modeling: Lahars From Popocatepetl Volcano (Mexico), *EOS Transactions, American Geophysical Union, 88*(25 (2007 Joint Assembly; Suppl.)), V23A-14.
Huggel, C., D. Schneider, P. J. Miranda, H. Delgado Granados, and A. Kaab (2008), Evaluation of ASTER and SRTM DEM data for lahar modeling: A case study on lahars from Popocatepetl Volcano, Mexico, *J. Volcanol. Geotherm. Res., 170*(1-2), 99-110.
Huggel, C., S. Zgraggen-Oswald, W. Haeberli, A. Kaeaeb, A. Polkvoj, I. Galushkin, and S. G. Evans (2005), The 2002 rock/ice avalanche at Kolka/Karmadon, Russian Caucasus: 190

assessment of extraordinary avalanche formation and mobility, and application of QuickBird satellite imagery, *Nat. Hazards Earth Syst. Sci., 5*(2), 173-187.
Huggel, C., J. Caplan-Auerbach, C. F. Waythomas, and R. L. Wessels (2007), Monitoring and modeling ice-rock avalanches from ice-capped volcanoes: A case study of frequent large avalanches on Iliamna Volcano, Alaska, *J. Volcanol. Geotherm. Res., 168*(1-4), 114-136.

Huggel, C., A. Kaeaeb, J. M. Reynolds, and A. Heald (2004), Impact-oriented models for potential lake outbursts and ASTER-based application in the Peruvian Andes; Turbulenzen in der Geomorphologie; Jahrestagung der Schweizerischen Geomorphologischen Gesellschaft (SGmG) der SANW. Turbulence in geomorphology; annual meeting of the Swiss Society of Geomorphology of the Swiss Academy of Natural Sciences, *Mitteilungen der Versuchsanstalt fuer Wasserbau, Hydrologie und Glaziologie der Eidgenoessischen Technischen Hochschule Zuerich, 184*, 129-143.
Hughes, C. G. and M. S. Ramsey (2008), Initial Results of Super-Resolving THEMIS Data, *LPI Contribution, 1391*, 2530.
Hughes, C. G., M. S. Ramsey, and J. L. Bandfield (2009), Detection of small-scale mineral deposits in super-resolved THEMIS TIR data, *LPI Contribution, 1468*, 2359.
Hughes, C. G., M. S. Ramsey, and H. Tonooka (2007), Super-resolving THEMIS data for improved temperature, composition, and spatial resolution; Lunar and planetary science; XXXVIII; papers presented to the Thirty-eighth lunar and planetary science conference, *Abstracts of Papers Submitted to the Lunar and Planetary Science Conference, 38*, @Abstract 1810.
Hughes, C. G. and M. S. Ramsey (2010), Super-resolution of THEMIS thermal infrared data: Compositional relationships of surface units below the 100 meter scale on Mars, *Icarus, 208*(2), 704-720, doi:10.1016/j.icarus.2010.02.023. 191

Hughes, C. G. and M. S. Ramsey (2011), Super-resolution of playa lake deposits over time, *Abstracts with Programs - Geological Society of America, 43*(1), 155, doi:http://gsa.confex.com/gsa/2011NE/finalprogram/abstract_185881.htm.
Huh, K., B. Csatho, C. J. Van Der Veen, and Y. Ahn (2006), Reconstructing Holocene Glacier Changes in West Greenland From Multispectral ASTER Imagery, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
Huh, K. I., B. M. Castho, and C. van der Veen (2006), Reconstructing Holocene glacier changes in West Greenland and from ultispectral ASTER imagery, paper presented at 36th international Arctic workshop, Boulder, CO, United States, March 16-18, 2006, , University of Colorado, Institute of Arctic and Alpine Research (INSTAAR), Boulder, CO, United States (USA).
Huh, K. I. and B. G. Mark (2010), Assessing the volume and hypsometric changes of two target glaciers in the tropical Peruvian Andes, *Abstracts, Annual Meeting - Association of American Geographers, 2010*, 363.
Hui, F., Q. Tian, and Y. Li (2004), Production and Accuracy Assessment of DEM from ASTER Stereo Image Data, *Remote Sensing Information, 0*(1), 14-18.
Hulley, G. C. and S. J. Hook (2008), A new methodology for cloud detection and classification with ASTER data, *Geophys. Res. Lett., 35*(16), L16812.
Hulley, G. C., S. J. Hook, and A. M. Baldridge (2008), ASTER land surface emissivity database of California and Nevada, *Geophys. Res. Lett., 35*(13), L13401.
Hulley, G. C. and S. J. Hook (2009), The North American ASTER Land Surface Emissivity Database (NAALSED) Version 2.0, *Remote Sens. Environ., 113*(9), 1967-1975.
Hulley, G. C. and S. J. Hook (2011), Generating Consistent Land Surface Temperature and Emissivity Products Between ASTER and MODIS Data for Earth Science Research, *IEEE Trans. Geosci. Remote Sens., 49*(4), 1304-1315, doi:10.1109/TGRS.2010.2063034. 192

Hulley, G. C. and S. J. Hook (2012), A radiance-based method for estimating uncertainties in the Atmospheric Infrared Sounder (AIRS) land surface temperature product, *Journal of Geophysical Research-Atmospheres, 117*, D20117, doi:http://dx.doi.org/10.1029/2012JD018102.
Hulley, G. C., S. J. Hook, and A. M. Baldridge (2009), Validation of the North American ASTER Land Surface Emissivity Database (NAALSED) version 2.0 using pseudo-invariant sand dune sites, *Remote Sens. Environ., 113*(10), 2224-2233.
Hulley, G. C., S. J. Hook, and A. M. Baldridge (2010), Investigating the effects of soil moisture on thermal infrared land surface temperature and emissivity using satellite retrievals and laboratory measurements, *Remote Sens. Environ., 114*(7), 1480-1493, doi:10.1016/j.rse.2010.02.002.
Hulley, G. C., S. J. Hook, E. Manning, S. Lee, and E. Fetzer (2009), Validation of the Atmospheric Infrared Sounder (AIRS) version 5 land surface emissivity product over the Namib and Kalahari deserts, *Journal of Geophysical Research-Atmospheres, 114*, D19104, doi:10.1029/2009JD012351.
Hulley, G. C., C. G. Hughes, and S. J. Hook (2012), Quantifying uncertainties in land surface temperature and emissivity retrievals from ASTER and MODIS thermal infrared data, *Journal of Geophysical Research-Atmospheres, 117*, D23113, doi:http://dx.doi.org/10.1029/2012JD018506.

Hung, L. Q., O. Batelaan, and F. de Smedt (2005), Lineament extraction and analysis, comparison of LANDSAT ETM and ASTER imagery. Case study: Suoimuoi tropical karst catchment, Vietnam, paper presented at Remote Sensing for Environmental Monitoring, GIS Applications, and Geology V; Bruges; Belgium; 19-20 Sept. 2005, .
Hunt, J.,E.Raymond, J. J. Qu, X. Hao, and L. Wang (2009), Remote sensing of canopy water content: scaling from leaf data to MODIS, paper presented at Remote Sensing and Modeling of Ecosystems for Sustainability VI, , SPIE, San Diego, CA. 193

Huq, M. R., K. M. Ahmed, K. Hasan, and A. Uddin (2012), Relationship between the geomorphic features and spatial arsenic distribution patterns in part of Meghna Floodplain, Bangladesh, *Abstracts with Programs - Geological Society of America, 44*(4), 71, doi:https://gsa.confex.com/gsa/2012SE/finalprogram/abstract_202319.htm.
Hurd, J. D. and D. L. Civco (2009), Creating an image dataset to meet your classification needs: A proof-of-concept study, paper presented at American Society for Photogrammetry and Remote Sensing Annual Conference 2009, ASPRS 2009, March 9, 2009 - March 13, 2009, Baltimore, MD, , American Society for Photogrammetry and Remote Sensing.
Hurd, J. D., D. L. Civco, M. S. Gilmore, S. Prisloe, and E. H. Wilson (2005), Coastal marsh characterization using satellite remote sensing and in situ radiometry data: Preliminary results, paper presented at American Society for Photogrammetry and Remote Sensing - Annual Conference 2005 - Geospatial Goes Global: From Your Neighborhood to the Whole Planet, March 7, 2005 - March 11, 2005, Baltimore, MD, , American Society for Photogrammetry and Remote Sensing.
Hurd, J. D., D. L. Civco, M. S. Gilmore, S. Prisloe, and E. H. Wilson (2006), Tidal wetland classification from landsat imagery using an integrated pixel-based and object-based classification approach, paper presented at Annual Conference of the American Society for Photogrammetry and Remote Sensing 2006: Prospecting for Geospatial Information Integration, ASPRS 2006, May 1, 2006 - May 5, 2006, Reno, NV, , American Society for Photogrammetry and Remote Sensing.
Hurtado, J. M., Y. Chee, and T. G. Farr (2005), Topographic and Remote Sensing Analysis of Explosion Craters In the Nevada Test Site: Application to Mars Hazards, *EOS, Transactions, American Geophysical Union, 86*(52, Suppl.), Abstract P41B-0934.
Hurtado, J. (2007), 3-D Surface and Subsurface Deformation Modeling of Fuego Volcano, Guatemala Using Aster, ERS 1/2, and Gravity Data, 12. 194

Hurtado, J. M.,Jr (2007), Integrated application of ASTER, Landsat, CORONA, and SRTM data to tectonostratigraphic mapping in the Nepal Himalaya, *Abstracts with Programs - Geological Society of America, 39*(6), 529-530.
Huss, M. and D. Farinotti (2012), Distributed ice thickness and volume of all glaciers around the globe, *Journal of Geophysical Research-Earth Surface, 117*, F04010, doi:http://dx.doi.org/10.1029/2012JF002523.
Huss, M., R. Stoeckil, G. Kappenberger, and H. Blatter (2008), Temporal and spatial changes of Laika Glacier, Canadian Arctic, since 1959, inferred from satellite remote sensing and mass-balance modelling, *J. Glaciol., 54*(188), 857-866.
Hussain, E., S. Ural, A. Malik, and J. Shan (2011), Mapping pakistan 2010 floods using remote sensing data, paper presented at American Society for Photogrammetry and Remote Sensing Annual Conference 2011, ASPRS 2011, May 1, 2011 - May 5, 2011, Milwaukee, WI, United States, , American Society for Photogrammetry and Remote Sensing.
Hussey, M. C. (2004), Operational application of the De Beers' hyperspectral scanner; To measure is to manage; 12th Australasian remote sensing and photogrammetry conference proceedings, paper presented at 12th Australasian remote sensing and photogrammetry conference, Fremantle, West. Aust, , Spatial Sciences Institute, Deakin West, Australia (AUS), Australia.
Hutchison, K. D. and S. Smith (2002), Distribution of earth observing system data via the Texas infomart, paper presented at The 2002 EUMETSAT Meteorological Satellite Conference, Dublin (Ireland), 2-6, Sep 2002, , EUMETSAT.
Hvidegaard, S. M., L. S. Sorensen, and R. Forsberg (2012), ASTER GDEM validation using LiDAR data over coastal regions of Greenland, *Remote Sens. Lett., 3*(1), 85-91, doi:10.1080/01431161.2010.527389. 195

Ibrahim, A. T., J. E. Nichol, and C. M. Birkett (2007), Relationship between altimeter data and areal extent of water in the Lake Chad Basin, paper presented at 28th Asian Conference on Remote Sensing 2007, ACRS 2007, November 12, 2007 - November 16, 2007, Kuala Lumpur, Malaysia, , Asian Association on Remote Sensing.
Ibrahim, A. T. (2009), Use of MERIS data to detect the impact of flood inundation on land cover changes in the Lake Chad Basin, 154.
Ichii Kazuhito, Maruyama Megumi, and Y. Y. (2000), Multitemporal deforestation analysis of the Brazilian Amazon, using Landsat /MSS,TM,ETM+ and Terra / ASTER imagery.
Ichimaru, Y., M. Kamon, and K. Okada (2004), Satellite imagery and application for hydrocarbon exploration in the eastern Sunda Shelf, Indonesia, *Sekiyu Gijutsu Kyokaishi = Journal of the Japanese Association of Petroleum Technology, 69*(4), 420.
Idehara Yusuke, Mukai Sonoyo, and S. I. (2004), Thermal state of Kinki area based on Terra / ASTER.
Imai, K., K. Daisuke, G. Saito, and S. Ogawa (2007), Extraction of The ancient Amazon civilization using TERRA/ASTER data, paper presented at 28th Asian Conference on Remote Sensing 2007, ACRS 2007, November 12, 2007 - November 16, 2007, Kuala Lumpur, Malaysia, , Asian Association on Remote Sensing.
Imai, K., K. Daisuke, G. Saito, and S. Ogawa (2008), Determinations of the ancient Amazon civilization using ASTER and PALSAR data, paper presented at 29th Asian Conference on Remote Sensing 2008, ACRS 2008, November 10, 2008 - November 14, 2008, Colombo, Sri Lanka, , Asian Association on Remote Sensing.
Imanishi, A., J. Imanishi, K. Murakami, Y. Morimoto, and A. Satomura (2005), Herbaceous plant species richness and species distribution pattern at the precincts of shrines as non-forest greenery in Kyoto city, *Journal of the Japanese Society of Revegetation Technology, 31*(2), 278-283. 196

Imanishi, J., K. Sugimoto, and Y. Morimoto (2003), An experimental analysis of thermal response numbers as indicators of vegetation water-stress for remote sensing, *Journal of the Japanese Society of Revegetation Technology, 29*(1), 159-164.
Inbar, M., M. Gilichinsky, I. Melekestsev, D. Melnikov, and N. Zaretskaya (2011), Morphometric and morphological development of Holocene cinder cones: A field and remote sensing study in the Tolbachik volcanic field, Kamchatka, *J. Volcanol. Geotherm. Res., 201*(1-4), 301-311, doi:10.1016/j.jvolgeores.2010.07.013.
Ino, N. and C. Kanagaki (2009), Teaching materials using volcanic ejecta and its environmental impact, *Kumamoto University Faculty of Education Natural Science Bulletin, 58*, 45-53, doi:http://hdl.handle.net/2298/13758.
Ino, N., Y. Toshiaki, and K. Kinoshita (2005), Regional characteristics of high concentration events of volcanic gas at Miyakejima, *Journal of Japan Society for Natural Disaster Science, 23,NO.4*, PAGE.505-520.
Ino, N., Y. Toshiaki, K. Kisei, and T. Shiba (2004), Miyakejima volcanic gas hazard map using vegetation index images.
Iorga, G. and S. Stefan (2007), Sensitivity of cloud albedo to aerosol concentration and spectral dispersion of cloud droplet size distribution, *Atmosfera, 20*(3), 247-269.
Ishida Harumi, I. M. , and M. Tamura (2000), Estimation of blue wave bands using neural network.
Ishihama, S. and T. Sekiguchi (2003), Landform change in Miyake Island based on high-resolution satellite image, paper presented at Proceedings of the General Meeting of the Association of Japanese Geographers, , Association of Japanese Geographers.
Ishii, Y. (1991), Global remote sensing programs in Japan - Special emphasis on earth resources, paper presented at IGARSS '91; Proceedings of the 11th Annual International 197

Geoscience and Remote Sensing Symposium, Espoo, Finland; UNITED STATES; 3-6 June 1991, , New York.
Ishii, Y. (1991), Global remote sensing programs in Japan--Special emphasis on earth resources, paper presented at 1991 International Geoscience and Remote Sensing Symposium - IGARSS'91, Jun 3-6 1991, , Publ by IEEE, Piscataway, NJ, USA.
Ishimaru, N. and K. Iwamura (2005), An integrated framework for map generation by analyzing hyperspectral imagery, paper presented at 2005 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2005, Jul 25-29 2005, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.

ISHIMARU, N. and K. Iwamura (2006), Map feature extraction from hyperspectral imagery using shape and spectral analysis.
Ishimura, A., Y. Shimizu, P. Rahimzadeh-Bajgiran, and K. Omasa (2011), Remote sensing of Japanese beech forest decline using an improved Temperature Vegetation Dryness Index (iTVDI), *iForest, 4*, 195-199, doi:http://dx.doi.org/10.3832/ifor0592-004.
ISHITSUKA, N. and Y. INOUE (2006), Estimating current farmland use based on synergy of satellite image and Geo-spatial Agro-ecosystem Simulator.
Ishiyama, T., Fujikawa Shinji, Okawa Kazumichi, and T. S. (2002), Investigation of surface condition of around oasis in southern part of Xinjiang Uyghur, China.
Ishiyama, T., Fujikawa Shinji, Okawa Kazumichi, and T. S. (2003), Fluctuation monitoring of desertification areas in southern edge of Taklimakan Desert in during 2001 from 1960's.
Islam, M. and K. Sado (2004), Measurement of Turbidity for Lake Abashiri by using ASTER Level 1B DATA, paper presented at Proceedings of the 17th Annual Conference (2004), Japan Society of Hydrology and Water Resources, , Japan Society of Hydrology and Water Resources. 198

Islam, M. M. and K. Sado (2005), Water quality monitoring of case 2 water using field spectroradiometer and remote sensing data; Remote sensing and GIS for environmental studies; applications in geography, *Goettinger Geographische Abhandlungen, 113*, 159-166.
Islam, M. R. and S. F. Begum (2002), Monitoring of water clarity by using ASTER data in the upper Meghna Estuary, Bangladesh, *22*, 0269.
Ismail, E. H. and M. G. Abdelsalam (2012), Morpho-tectonic analysis of the Tekeze River and the Blue Nile drainage systems on the Northwestern Plateau, Ethiopia, *J. Afr. Earth Sci., 69*, 34-47, doi:http://dx.doi.org/10.1016/j.jafrearsci.2012.04.005.
Isoda, M., T. Takenouchi, M. Kimata, H. Akao, H. Michioka, and M. Ono (1993), Design challenges of ASTER in shortwave infrared spectral region, paper presented at Sensor systems for the early earth observing system platforms; Proceedings of the Conference, Orlando, FL; UNITED STATES; 13-14 Apr. 1993, , SPIE - Society for Photo-Optical Instrumentation engineers, Orlando, FL.
Itabashi, K., H. Miyazaki, K. Iwao, K. Nakamura, M. Matsuoka, and R. Shibasaki (2011), A method for constructing urban extent map from ALOS/PALSAR satellite data, paper presented at 32nd Asian Conference on Remote Sensing 2011, ACRS 2011, October 3, 2011 - October 7, 2011, Tapei, Taiwan, , Asian Association on Remote Sensing.
Itabashi, K., H. Miyazaki, K. Iwao, K. Nakamura, and R. Shibasaki (2010), A method for detecting and mapping urban area by ALOS/PALSAR data, paper presented at 31st Asian Conference on Remote Sensing 2010, ACRS 2010, November 1, 2010 - November 5, 2012, Hanoi, Viet Nam, , Asian Association on Remote Sensing.
Ito Akihiko, M. J. , and Y. Fukui (2004), Development for estimating green cover ratio in a pixel.
Ito Akihiko, M. J. , A. Ito, and Y. Arakawa (2006), An experiment of making a map based on ASTER data. 199

Ito, A., J. Miyamoto, Shinada Chihiro, T. H. , and T. Tachikawa (2005), Shallow landslide hazard assessment using ASTER data part 1 Thematic map made from ASTER data and the possibility.
Ito, A., N. Saito, T. Ishiyama, F. Nishio, and S. Jalalidin (2006), Evaluation of salinity soils around oases in northern edge of Taklimakan Desert (1).
Ito, Y., T. Asaki, H. Fukasawa, and M. Furuno (2005), Exploration of Oga area, the southeastern part of the Escondida mine district, Region II, Chile. *Shigen Chishitsu, 55*(1), 39-46.
Itoh, M., S. Ueda, H. Tsuchida, and T. Maekawa (1995), Focal plane technology of the thermal infrared radiometer for ASTER, paper presented at Infrared Spaceborne Remote Sensing III, Jul 12-14 1995, , Society of Photo-Optical Instrumentation Engineers, Bellingham, WA, USA.
IUCHI, M., R. NAGASAWA, H. HIRAKI, K. OMURA, and M. KURIHARA (2006), Study on the land cover classification for the estimation of biomass resource quantity, *Papers on Environmental Information Science, 20*, 517-522.
Iwabuchi Hitoshi, Rokugawa Shuichi, O. J. , H. Murakami, Tokunaga Mitsuharu, H. S. , Y. Miyazaki, Kato Yoshitane, and T. H. (1997), A Study on accuracy of Global DEM with ASTER Simulation Data.
Iwasaki Akira and T. S. (2001), Investigation of Stereo Image for Multi-angle Sensor.
Iwasaki, A., H. Fujisada, and M. Torii (2001), ASTER initial image evaluation, paper presented at Sensors, Systems, and Next-Generation Satellites IV, Sep 25-28 2000, , Society of Photo-Optical Instrumentation Engineers.

Iwasaki, A., K. Matsumoto, and H. Fujisada (1998), Geometric validation plan for ASTER, paper presented at Proceedings of the 1998 Conference on Sensors, Systems, and Next-Generation Satellites II, Sep 21-24 1998, , SPIE, Bellingham, WA, USA. 200

Iwasaki, A. (2003), Investigation of ASTER /SWIR as a quasi-hyper spectral sensor.
Iwasaki, A. and H. Fujisada (2002), Attitude evaluation of Terra spacecraft using ASTER image.
Iwasaki, A. and H. Fujisada (2002), Image correlation tool for ASTER geometric validation, paper presented at Sensors, Systems, and Next-Generation Satellites VI, Sep 23-26 2002, , The International Society for Optical Engineering.
Iwasaki, A. and H. Fujisada (2005), ASTER geometric performance, *IEEE Trans. Geosci. Remote Sens., 43*(12), 2700-2706.
Iwasaki, A., H. Fujisada, H. Akao, O. Shindou, and S. Akagi (2002), Enhancement of spectral separation performance for ASTER/SWIR, paper presented at Infrared Spaceborne Remote Sensing IX, Aug 1-3 2001, , The International Society for Optical Engineering.
Iwasaki, A., H. Fujisada, and S. Tsujimoto (2001), ASTER geometric performance, paper presented at Sensors, Systems, and Next-Generation Satellites V, Sep 17-20 2001, , The International Society for Optical Engineering.
Iwasaki, A., M. Koga, H. Kanno, N. Yokoya, T. Okuda, and K. Saito (2010), Challenge of ASTER digital elevation model, paper presented at 2010 30th IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2010, July 25, 2010 - July 30, , Institute of Electrical and Electronics Engineers Inc, Honolulu, HI.
Iwasaki, A., Michishita Ryo, Fujisada Hiroyuki, and O. S. (2000), Image analysis tool for band-to-band registration evaluation.
Iwasaki, A. and E. Oyama (2005), Correction of stray light and filter scratch blurring for ASTER imagery, *IEEE Trans. Geosci. Remote Sens., 43*(12), 2763-2768.
Iwasaki, A. and H. Tonooka (2005), Validation of a crosstalk correction algorithm for ASTER/SWIR, *IEEE Trans. Geosci. Remote Sens., 43*(12), 2747-2751. 201

Iwashita, A., H. Baba, S. Iizuka, Y. Lin, Y. Yang, H. Sheu, T. Morohoshi, and M. Hara (2003), JERS-1 SAR and ASTER VNIR interpretation in the vicinity of Hua-Tung longitudinal valley, east coast Taiwan, *International Union of Geodesy and Geophysics General Assembly = Union Geodesique et Geophysique Internationale Comptes Rendus de la ...Assemblee Generale, 2003, Week 2*, B.23, doi:http://www.jamstec.go.jp/jamstec-e/iugg/htm/abstract/pdf/week2.pdf.
Iwashita, A., T. Kamoshita, Y. Misawa, and L. Zhu (2003), Seismic and satellite image analysis in the vicinity of Lake Puma Yumco located in southern Tibetan Plateau, SW China, *International Union of Geodesy and Geophysics General Assembly = Union Geodesique et Geophysique Internationale Comptes Rendus de la ...Assemblee Generale, 2003, Week 2*, B.23, doi:http://www.jamstec.go.jp/jamstec-e/iugg/htm/abstract/pdf/week2.pdf.
Iwashita, K., T. Asaka, H. Nishikawa, T. Kondoh, and T. Tahara (2006), Vegetation biomass change of the Bosoh Peninsula. Impacted by the volcano fumes from the Miyakejima, *Advances in Space Research, 37*(4), 734-740.
Iwashita, Y., E. K. Dean, and J. C. Dozier (2006), Research on construction of resources recycling type society which applies biotechnology Research group on elucidation of phenomena and improvement of the organic and inorganic factor in the infrastructure facilities which follows the resources recycling type society Spectral characteristic evaluation of polluted water lump according to ASTER L1b data. *Nihon Daigaku Daigakuin Seisan Kogaku Kenkyuka Seimei Kogaku, Risachi, Senta Heisei 17 Nendo Kenkyu Hokokusho Seimei Kogaku o Oyo shita Shigen Junkangata Shakai no Kochiku ni kansuru Kenkyu*, PAGE.45-48.
Iwata, Y., M. Otsuka, and H. Akao (1997), Preflight test results of ASTER/SWIR flight model, paper presented at Sensors, systems, and next-generation satellites; Proceedings of the Conference, London, United Kingdom; UNITED STATES; 22-25 Sept. 1997, , Bellingham. 202

Jacob, F., F. Petitcolin, T. Schmugge, E. Vermote, A. French, and K. Ogawa (2004), Comparison of land surface emissivity and radiometric temperature derived from MODIS and ASTER sensors, *Remote Sens. Environ., 90*(2), 137-152.

Jacobs, C. S. and W. J. W. Williams (2005), A geoinformatics approach to teaching our students; using the Quaternary mafic Potrillo volcanic field, southern Rio Grande Rift, to better understand cosmogenic helium and argon/argon geochronology in context with multiple geospatial and geochemical datasets; Geological Society of America, 2005 annual meeting, *Abstracts with Programs - Geological Society of America, 37*(7), 150.
Jacobsen, K., G. Buyuksalih, A. Marangoz, U. Sefercik, and I. Buyuksalih (2005), Geometric conditions of space imagery for mapping, paper presented at RAST 2005. Proceedings of 2nd International Conference on Recent Advances in Space Technologies, 9-11 June 2005, , IEEE.
Jacobsen, K. (2005), DEMs based on space images versus SRTM height models, paper presented at American Society for Photogrammetry and Remote Sensing - Annual Conference 2005 - Geospatial Goes Global: From Your Neighborhood to the Whole Planet, March 7, 2005 - March 11, 2005, Baltimore, MD, , American Society for Photogrammetry and Remote Sensing.
Jahana, T. and S. Ogawa (2006), Identification for the undersea remains at the Yonaguni Island with satellite data, paper presented at 27th Asian Conference on Remote Sensing, ACRS 2006, October 9, 2006 - October 13, 2006; Ulaanbaatar, Mongolia, , Asian Association on Remote Sensing.
Jalali, N., B. Saghafian, F. Imanov, and M. Museyyibov (2009), Recognition of shallow karst water resources and cave potentials using thermal infrared image and terrain characteristics in semi-arid regions of Iran, *International Journal of Applied Earth Observation and Geoinformation, 11*(6), 439-447, doi:10.1016/j.jag.2009.08.001.
James, M. R., S. Robson, H. Pinkerton, and M. Ball (2006), Oblique photogrammetry with visible and thermal images of active lava flows, *Bulletin of Volcanology, 69*(1), 105-108. 203

Janicke, J., C. Mayer, K. Scharrer, U. Munzer, and A. Gudmundsson (2006), The use of remote-sensing data for mass-balance studies at Myrdalsjokull ice cap, Iceland, *J. Glaciol., 52*(179), 565-573.
JANSSON Krister N, N. F. GLASSER, l. STROEVEN A P, and l. SWIFT D A (2008), Modification of peripheral mountain ranges by former ice sheets : The Brecon Beacons, Southern UK; Glacial Landscape Evolution - Implications for Glacial Processes, Patterns and Reconstructions, *Geomorphology, 97*, 178-189.
Jasinski, M., S. Habib, J. Lundquist, R. McKellip, S. Blonski, and J. Borak (2006), Use of satellite-derived aerodynamic roughness for improved meteorological and atmospheric transport modeling, paper presented at 2006 IEEE International Symposium on Geoscience and Remote Sensing, , IEEE.
Javadnia, E., M. R. Mobasheri, and G. A. Kamali (2009), MODIS NDVI Quality Enhancement Using ASTER Images, *Journal of Agricultural Science and Technology, 11*(5), 549-558.
Javier Mesas-Carrascosa, F., I. Luisa Castillejo-Gonzalez, M. Sanchez de la Orden, and A. Garcia-Ferrer Porras (2013), Introducing sensor spectral response into the classification process, *International Journal of Applied Earth Observation and Geoinformation, 21*, 195-204, doi:http://dx.doi.org/10.1016/j.jag.2012.09.001.
Jayakody, P., S. P. Aggarwal, and L. Muthuwatta (2008), Hydrological modeling of Solani watershed using soil water analysis tool, paper presented at 29th Asian Conference on Remote Sensing 2008, ACRS 2008, November 10, 2008 - November 14, 2008, Colombo, Sri Lanka, , Asian Association on Remote Sensing.
Jean-Baptiste, N. (2006), Structure, modeling, and ecological characterization of Bocozelle mangrove habitat in the coastal zone of Saint Marc Bay, Haiti, *DAI, 67*(12B), 103-6841.
Jean-Paul, D., D. Mo, H. Louis, B. Ludovic, G. Agnes, L. Marc, W. Zhijun, L. Chuang, M. Long, and C. Wengbo (2005), Using ERS and envisat data to study the glacier changes in Tibet, the 204

Nyainqentanglha example (ESA project no 2401), paper presented at 2004 Envisat and ERS Symposium, Sep 6-10 2004, , European Space Agency, Noordwijk, 2200 AG, Netherlands.
Jedlovec, G. J., U. Nair, and S. L. Haines (2006), Detection of storm damage tracks with EOS data, *Weather and Forecasting, 21*(3), 249-267.
Jeganathan, C., N. A. S. Hamm, S. Mukherjee, P. M. Atkinson, P. L. N. Raju, and V. K. Dadhwal (2011), Evaluating a thermal image sharpening model over a mixed agricultural landscape in India, *International Journal of Applied Earth Observation and Geoinformation, 13*(2), 178-191, doi:10.1016/j.jag.2010.11.001.
Jeong J H and T. M. (2004), Accuracy Evaluation of Change Detection Using ASTER and IKONOS Image.

Jeong Jong Hyeok and T. M. (2006), An Adapted Method for Removing Change Detection Errors due to Pointing Direction Shifts of a Satellite Sensor, *Journal of the Japan Society of Photogrammetry and Remote Sensing, 45,NO.2*, PAGE.16-23.
Jeong, I. (2008), Resolving parameter dependencies in satellite sensor models, *DAI*, 211.
Jeong, I. and J. Bethel (2010), A Study of Trajectory Models for Satellite Image Triangulation, *Photogramm. Eng. Remote Sensing, 76*(3), 265-276.
Ji, L., B. Wylie, B. Ramachandran, and C. Jenkerson (2010), A comparative analysis of three different MODIS NDVI datasets for Alaska and adjacent Canada, *Canadian Journal of Remote Sensing, 36*, S149-S167.
Ji, L., L. Zhang, and B. Wylie (2009), Analysis of Dynamic Thresholds for the Normalized Difference Water Index, *Photogramm. Eng. Remote Sensing, 75*(11), 1307-1317.
Ji, L., J. Xu, X. Lin, and P. Luan (2009), Application of Satellite Thermal Infrared Remote Sensing in Monitoring Changbaishan Tianchi Volcano Activity, *Dizhen Dizhi/Seismology and Geology, 31*(4), 617-627. 205

Ji, Z., S. Jiancheng, C. Hanfang, D. Jinyong, and W. Yaunhui (2010), Approaches to using end-members for sub-pixel snow mapping with MODIS data in Qinghai-Tibet Plateau, paper presented at 2010 30th IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2010, July 25, 2010 - July 30, , Institute of Electrical and Electronics Engineers Inc, Honolulu, HI.
Jian, J., H. LI, and X. DAI (2006), Research on Land Sandy Desertification Using Remote Sensing â€"â€"Taking Qinghai Lake Area as an Example, *Geo-information Science, 8*(2), 116-119.
Jian, J., P. Pan, Y. Chen, and W. Yang (2009), Soil Moisture Retrieval Quantitatively with Remotely Sensed Data and Its Crucial Factors Analysis, *J. Water Resour. Protect., 1*(6), 439-447, doi:http://dx.doi.org/10.4236/jwarp.2009.16053.
Jian, J. and Z. Qing (2006), Extraction of Vegetation Information Based on the ASTER Remote Sensing Imageâ€"â€"taking the Qinghai Lake area as the example, *Remote Sensing Information*(2), 50-52.
Jian, J., W. Yang, Y. Li, X. Wan, L. Peng, T. Zeng, and H. Jiang (2008), Retrieving Vegetation Moisture Content with Remotely Sensed Data, paper presented at Education Technology and Training, 2008. and 2008 International Workshop on Geoscience and Remote Sensing. ETT and GRS 2008. International Workshop on, , IEEE, Shanghai, China.
Jiang, H., M. Liao, L. Zhang, and T. Wang (2011), High resolution sar interferometric DEM reconstruction with COSMO-SkyMed Tandem data, *Geomatics and Information Science of Wuhan University, 36*(9), 1055-1058.
Jiang, W., J. Wu, L. Gu, B. Yang, Q. Chen, and X. Liu (2011), Monitoring Method of Underground Coal Fire Based on Night Thermal Infrared Remote Sensing Technology, *Spectroscopy and Spectral Analysis/Guang Pu Xue Yu Guang Pu Fen Xi, 31*(2), 357-361, doi:10.3964/j.issn.1000-0593(2011)02-0357-05. 206

Jianyu, C., M. Zhihua, and H. Xianqiang (2008), Geomorphological diversity of Dong-Sha Atoll based on spectrum and texture analysis in high resolution remote sensing imagery, paper presented at Remote Sensing of Inland, Coastal, and Oceanic Waters, November 18,2008 - November 21,2008, , SPIE.
Jimenez-Berni, J. A., P. J. Zarco-Tejada, E. Fereres, G. Sepulcre-Canto, L. Testi, F. Iniesta, F. J. Villalobos, F. Orgaz, D. A. Goldhamer, and M. Salinas (2008), Estimation of evapotranspiration on discontinuous crop canopies using high resolution thermal imagery, paper presented at 2007 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2007, , IEEE.
Jimenez-Munoz, J. and J. A. Sobrino (2010), A single-channel algorithm for land-surface temperature retrieval from ASTER data, *IEEE Geoscience and Remote Sensing Letters, 7*(1), 176-179.
Jimenez-Munoz, J., J. A. Sobrino, C. Mattar, and B. Franch (2010), Atmospheric correction of optical imagery from MODIS and Reanalysis atmospheric products, *Remote Sens. Environ., 114*(10), 2195-2210.
Jimenez-Munoz, J. C. and J. A. Sobrino (2007), Feasibility of retrieving land-surface temperature from ASTER TIR bands using two-channel algorithms: a case study of agricultural areas, *IEEE Geoscience and Remote Sensing Letters, 4*(1), 60-64.
Jimenez-Munoz, J. C., J. A. Sobrino, A. Gillespie, D. Sabol, and W. T. Gustafson (2006), Improved land surface emissivities over agricultural areas using ASTER NDVI, *Remote Sens. Environ., 103*(4), 474-487.

Jin, R., X. Li, T. Che, L. Z. Wu, and P. Mool (2005), Glacier area changes in the Pumqu river basin, Tibetan Plateau, between the 1970s and 2001, *J. Glaciol., 51*(175), 607-610.
Jinlong, F., W. Bingfang, and H. Huiping (2003), Comparative Assessment of ASTER Image and ETM+ Fusion Image for Agricultural Applications, paper presented at 2003 IGARSS: 207

Learning From Earth's Shapes and Colours, Jul 21-25 2003, , Institute of Electrical and Electronics Engineers Inc.
Jiskoot, H. (2011), Long-runout rockslide on glacier at Tsar Mountain, Canadian Rocky Mountains; potential triggers, seismic and glaciological implications, *Earth Surf. Process. Landforms, 36*(2), 203-216, doi:10.1002/esp.2037.
Jiskoot, H., C. J. Curran, D. L. Tessler, and L. R. Shenton (2009), Changes in Clemenceau Icefield and Chaba group glaciers, Canada, related to hypsometry, tributary detachment, length-slope and area-aspect relations, *Annals of Glaciology, 50*(53), 133-143.
Jochum, A. M., A. Calera, and A. Cuesta (2005), Space-assisted irrigation management: An operational perspective (2005 - H20SUPPLY).
John, D. A., B. W. Rockwell, C. D. Henry, and J. P. Colgan (2011), Hydrothermal alteration of the late Eocene Caetano ash-flow caldera, north-central Nevada; a field and ASTER remote sensing study, paper presented at Great Basin evolution and metallogeny; Geological Society of Nevada 2010 symposium, Reno, NV, , DEStech Publications, Lancaster, PA.
Johnson, B., R. Tateishi, and T. Kobayashi (2012), Remote sensing of fractional green vegetation cover using spatially-interpolated endmembers, *Remote Sensing, 4*(9), 2619-2634, doi:http://dx.doi.org/10.3390/rs4092619.
Johnson, M. E., D. H. Backus, and J. Ledesma-Vazquez (2007), Survey of rocky shores by lithology in the Gulf of California (Mexico); Geological Society of America, Northeastern Section, 42nd annual meeting, *Abstracts with Programs - Geological Society of America, 39*(1), 42.
Johnson, M. R. (2011), Description of structure and content of spatial dataset of identified anomalies in Afghanistan, *U.S. Geological Survey Open File Report, 2011-1229*, 6-9, doi:http://pubs.usgs.gov/of/2011/1229/. 208

Johnson, S. C. (2008), The geospatial imagery revolution... it's everywhere, *Laser Focus World, 44*(1), 117-121.
Johnson, W. R., S. J. Hook, P. Mouroulis, D. W. Wilson, S. D. Gunapala, C. J. Hill, J. M. Mumolo, and B. T. Eng (2009), Thermal infrared spectral imager for airborne science applications, paper presented at 2009 IEEE Aerospace Conference, , IEEE, Big Sky, MT.
Johnson, W. R., S. J. Hook, P. Mouroulis, D. W. Wilson, S. D. Gunapala, C. J. Hill, J. M. Mumolo, and B. T. Eng (2009), Quantum well earth science testbed, *Infrared Physics and Technology, 52*(6), 430-433, doi:http://dx.doi.org/10.1016/j.infrared.2009.05.006.
Johnson, W. R., S. J. Hook, P. Mouroulis, D. W. Wilson, S. D. Gunapala, C. J. Hill, J. M. Mumolo, V. Realmuto, and B. Eng (2009), Towards HyTES: an airborne thermal imaging spectroscopy instrument, paper presented at Imaging Spectrometry XIV, , San Diego, CA.
Johnson, W. R., S. J. Hook, P. Mouroulis, D. W. Wilson, S. D. Gunapala, C. J. Hill, J. M. Mumolo, V. Realmuto, and B. T. Eng (2009), Thermal infrared spectral imager for airborne science applications, paper presented at Infrared Technology and Applications XXXV, April 13, 2009 - April 17, , SPIE.
Jones, M., T. Cudahy, C. Laukamp, R. Hewson, and M. Thomas (2008), Hyperspectral mineral maps and beyond, *Queensland Geological Record, 2008/06*, 23-28.
Jones, A. L., L. Di Girolamo, and G. Zhao (2012), Reducing the resolution bias in cloud fraction from satellite derived clear-conservative cloud masks, *J. Geophys. Res. -Atmos., 117*, D12201, doi:http://dx.doi.org/10.1029/2011JD017195.
Jones, B. K., R. R. Risty, and M. Buswell (2003), Web-based data delivery services in support of disaster-relief applications, paper presented at Technologies, Systems, and Architectures for Transnational Defense II; Orlando, FL; Apr. 23, 2003, . 209

Jones, B. K. and B. Tolk (2002), Archiving, processing, and disseminating of ASTER products at the USGS EROS Data Center, paper presented at Earth Observing Systems VII; Seattle, WA; July 7-10, 2002, .
Jones, M. (2009), Hyperspectral surveys generate new mineral maps, *Queensland Government Mining Journal, 2009*(1233), 34-37.

Jones, M., T. Cudahy, M. Thomas, and C. Laukamp (2008), Hyperspectral and ASTER mineral maps of Queensland now available, *Preview, 136*, 28-29.
Jordan, R., K. Arneson, E. Atekwana, J. Hogan, D. Mutamina, E. Seeger, and P. B. Waltman (2009), Kinematics of Kalaye Escarpment, northern Zambia; providing international research experience for students, *Abstracts with Programs - Geological Society of America, 41*(7), 127.
Joshi, P. K., B. Gupta, and P. S. Roy (2008), Spectral evaluation of vegetation features using multi-satellite sensor system (Terra ASTER, Landsat ETM+ and IRS 1D LISS III) in man-made and natural landscape, *Sens Rev, 28*(1), 52-61.
Jowitt, S. M., F. M. McEvoy, J. P. Williamson, L. Bateson, J. Naden, A. G. Gunn, and S. Nicolaides (2005), Mineralisation potential mapping for ophiolite-hosted volcanic massive sulphide (VHMS) deposits, Troodos Ophiolite, Cyprus, paper presented at Mineral deposit research; meeting the global challenge; proceedings: 8th biennial SGA meeting, Beijing, China, Aug. 18-21, 2005, , Springer, Berlin, Federal Republic of Germany (DEU).
Jowitt, S. M., J. Naden, S. Nicolaides, L. Bateson, K. E. Rollin, and A. G. Gunn (2004), Mineralisation potential mapping for ophiolite-hosted volcanic massive sulphide (VHMS) deposits, Cyprus; 2004 annual winter meeting of the Mineral Deposits Studies Group on Future trends in mineral deposit geology, *Institution of Mining and Metallurgy, Transactions, Section B: Applied Earth Science, 113*(2), 147-148, doi:10.1179/037174504225005492. 210

Joyce, K., S. Samsonov, and G. Jolly (2008), Satellite remote sensing of volcanic activity in New Zealand, paper presented at 2008 Second Workshop on Use of Remote Sensing Techniques for Monitoring Volcanoes and Seismogenic Areas (USEReST), , IEEE, Naples, Italy.
Joyce, K. E., S. Samsonov, and G. Jolly (2009), Temperature, color and deformation monitoring of volcanic regions in New Zealand, paper presented at Geoscience and Remote Sensing Symposium,2009 IEEE International,IGARSS 2009, , IEEE, Cape Town, South Africa.
Joyce, K. E., S. Samsonov, V. Manville, R. Jongens, A. Graettinger, and S. J. Cronin (2009), Remote sensing data types and techniques for lahar path detection: A case study at Mt Ruapehu, New Zealand, *Remote Sens. Environ., 113*(8), 1778-1786.
Judd, W. (1999), Eyes in the sky, *New Zealand Geographic, 44*, 14-15.
Junchao Shi, M. Menenti, and R. Lindenbergh (2012), Evaluating ICESat full waveforms over the part of Nyainqêntanglha Mountain range, the Tibetan Plateau, paper presented at 2012 IEEE International Geoscience and Remote Sensing Symposium (IGARSS), 22-27 July 2012, Munich, Germany, .
Junek, P. and M. O. Altan (2004), Geological Mapping in The Cheleken Peninsula, Turkmenistan Area using Advanced Spaceborne Thermal Emission and Reflection radiometer (aster) Data, *INTERNATIONAL ARCHIVES OF PHOTOGRAMMETRY, 35*(4), 645-650.
Justice, C. O., L. Giglio, S. Korontzi, J. Owens, J. T. Morisette, D. Roy, J. Descloitres, S. Alleaume, F. Petitcolin, and Y. Kaufman (2002), The MODIS fire products, *Remote Sens. Environ., 83*(1-2), 244-262.
Kaab, A. (2005), Combination of SRTM3 and repeat ASTER data for deriving alpine glacier flow velocities in the Bhutan Himalaya, *Remote Sens. Environ., 94*(4), 463-474.
Kaab, A., R. Frauenfelder, and J. A. Frauenfelder Kaab (2008), Glacier distribution and glacier area changes 1960s-2000 in the Brahmaputra River basin, *Geophysical Research Abstracts, 10*, EGU2008-A-05334. 211

Kaab, A., R. Frauenfelder, M. Hoelzle, I. Sossna, and M. Avian (2009), Glacier, glacier lake and permafrost distribution in the Brahmaputra River basin, *Geophysical Research Abstracts, 11*, EGU2009-13002.
Kaab, A. and J. Karstensen (2008), Glacier volume changes 1970-2006 on Edgeoya, eastern Svalbard, using ASTER satellite stereo and ICESat GLAS data, *Geophysical Research Abstracts, 10*, @EGU2008-A-05336, doi:http://meetings.copernicus.org/www.cosis.net/abstracts/EGU2008/05336/EGU2008-A-05336.pdf.
Kaab, A., B. Lefauconnier, and K. Melvold (2005), Flow field of Kronebreen, Svalbard, using repeated Landsat 7 and ASTER data, *Annals of Glaciology, 42*, 7-13.
Kääb, A., F. Paul, C. Huggel, H. Kieffer, J. Kargel, and R. Wessels (2002), Glacier Monitoring From Aster Imagery: Accuracy and Applications, *27*, 2135.
Kaab, A. (2002), Monitoring high-mountain terrain deformation from repeated air- and spaceborne optical data: Examples using digital aerial imagery and ASTER data, *ISPRS Journal of Photogrammetry and Remote Sensing, 57*(1-2), 39-52.

Kaab, A. (2008), Glacier volume changes using ASTER optical stereo. A test study in Eastern Svalbard, paper presented at 2007 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2007, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Kaab, A. (2008), Glacier volume changes using ASTER satellite stereo and ICESat GLAS laser altimetry. A test study on Edgeoya, Eastern Svalbard, *IEEE Trans. Geosci. Remote Sens., 46*(10), 2823-2830.
Kachi, T., K. Okuzumi, Y. Arakawa, and K. Noguchi (2004), Application of ASTER/DEM data for oil and gas exploration of the Khorat Plateau Basin in the northeastern part of Thailand, *Sekiyu Gijutsu Kyokaishi = Journal of the Japanese Association of Petroleum Technology, 69*(4), 420. 212

Kadowaki Takashi, Tanaka Hirokazu, F. K. , T. Tajime, and M. Kimata (1991), Optical Imaging Sensors for Space. *Mitsubishi Denki Giho, 65,NO.10*, PAGE.973-979.
Kadowaki, T., H. Tanaka, K. Furuya, T. Tajime, and M. Kimata (1991), Optical imaging sensors for space, *Mitsubishi Denki Giho, 65*(10), 47-53.
Kaeaeb, A. (2006), The Global Land Ice Measurements from Space (GLIMS) project, in *Glacier science and environmental change,* , edited by P. G. Knight, United Kingdom (GBR), Blackwell Publishing, Oxford, United Kingdom (GBR).
Kaeaeb, A., C. Huggel, L. Fischer, S. Guex, F. Paul, I. Roer, N. Salzmann, S. Schlaefli, K. Schmutz, D. Schneider, T. Strozzi, and Y. Weidmann (2005), Remote sensing of glacier- and permafrost-related hazards in high mountains; an overview, *Natural Hazards and Earth System Sciences (NHESS), 5*(4), 527-554.
Kaeaeb, A., Zurich GLIMS Team, and Flagstaff GLIMS Team (2001), Glacier Monitoring From ASTER Imagery: Accuracy and Applications, *41*, 06.
Kaeaeb, A., C. Huggel, S. Guex, F. Paul, N. Salzmann, K. Schmutz, D. Schneider, and Y. Weidmann (2005), Glacier hazard assessment in mountains using satellite optical data, *EARSeL eProceedings, 4*(1), 79-93.
Kaeaeb, A., C. Huggel, F. Paul, R. Wessels, B. Raup, H. Kieffer, and J. Kargel (2003), Glacier monitoring from ASTER imagery; accuracy and applications; Proceedings of the EARSeL-LISSIG workshop on Observing our cryosphere from space, paper presented at EADSeL-LISSIG workshop on Observing our cryosphere from space, Bern, Switzerland, March 11-13, 2002, , European Association of Remote Sensing Laboratories (EARSeL), Paris, International (III).
Kaeaeb, A., R. Wessels, W. Haeberli, C. Huggel, J. S. Kargel, and S. J. S. Khalsa (2003), Rapid ASTER imaging facilitates timely assessment of glacier hazards and disasters, *EOS Trans. Am. Geophys. Union, 84*(13), 117-124. 213

Kafle, H. K. and Y. Yamaguchi (2009), Effects of topography on the spatial distribution of evapotranspiration over a complex terrain using two-source energy balance model with ASTER data, *Hydrol. Process., 23*(16), 2295-2306, doi:10.1002/hyp.7336.
Kafle, H. K. and Y. Yamaguchi (2007), Estimation of regional evapotranspiration in a vegetated area using ASTER data, paper presented at 28th Asian Conference on Remote Sensing 2007, ACRS 2007, November 12, 2007 - November 16, 2007, Kuala Lumpur, Malaysia, , Asian Association on Remote Sensing.
Kageyama, S., M. Suzuki, Y. Negishi, Y. Arakawa, and K. Saiki (2003), Application of ASTER/DEM data to petroleum exploration in a rain forest area; Abstracts for papers submitted for the 2003 technical meeting of the JAPT, *Sekiyu Gijutsu Kyokaishi = Journal of the Japanese Association of Petroleum Technology, 68*(4), 308.
Kahle, A. B., S. J. Hook, P. Gagnon, and N. O'Neill (1993), The Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER); Remote sensing: a tool for modelling and managing environmental changes, paper presented at CANADIAN SYMPOSIUM ON REMOTE SENSING, 16th, , Canadian Remote Sensing Society.
Kahle, A. (1994), ASTER - A New Spaceborne Instrument Which Will Contribute to Thermal Remote Sensing of the Energy and Water Balance over land surfaces, paper presented at Thermal Remote Sensing of Energy and Water Balance Workshop, .
Kahle, A., M. J. Abrams, A. R. Gillespie, D. Pieri, M. Ramsey, L. C. Rowan, T. Schmugge, and R. Wessels (2002), The U.S. ASTER Science Team activities, *International Geoscience and Remote Sensing Symposium*.

Kahle, A. and D. Nichols (1997), ASTER and Beyond, paper presented at 1st JPL Workshop on Remote Sensing of Land Surface Emissivity, .
Kahle, A., Y. Yamaguchi, and A. Gillespie (1998), ASTER Data Products and Science Applications, paper presented at IGARSS Remote Sensing, . 214

Kahle, A., Y. Yamaguchi, T. Kawakami, M. Pniel, and H. Tsu (1998), ASTER Instrument Operations Overview, paper presented at IGARSS Remote Sensing, .
Kahle, A., Y. Yamaguchi, and H. Tsu (2000), The Advanced Thermal Emission and Reflection Radiometer, ASTER, 1-17.
Kahle, A. B. (1997), ASTER: The Spaceborne TIMS,.
Kahle, A. B. (2002), Environmental Remote Sensing Using the Advanced Spacebourne Thermal Emission and Reflection Radiometer (ASTER), paper presented at International Society for Optical Engineering (SPIE)'s 3rd International Asia-Pacific Environmental Remote Sensing Symposium 2002: Remote Sensing of the Atomsphere, Ocean, Environment, and Space, .
Kahle, A. B. and E. Abbott (2001), Multispectral thermal infrared data from ASTER, paper presented at International Thermal Infrared Remote Sensing Workshop, , International Thermal Infrared Remote Sensing Workshop.
Kahle, A. B., M. J. Abrams, S. J. Hook, D. C. Pieri, M. Ramsey, L. C. Rowan, T. Schmugge, and R. Wessels (2001), Current Activity of the U.S. ASTER Science Team, paper presented at ASTER Symposium, .
Kahle, A. B. and R. E. Alley (1992), Separation of Temperature and Emittance in Remotely Sensed Radiance Measurements, *Remote Sens. Environ., 42*(2), 107-111.
Kahle, A. B., E. J. Njoku, F. D. Palluroni, A. R. Gillespie, S. J. Hook, C. M. Hayden, K. Tsuchiya, and J. Dozier (1994), Remote Sensing of Earth's Surface and Atmosphere: Interdisciplinary Scientific Commission A of the COSPAR Plenary Meeting, 29th, Washington, DC, 28 Aug. - 5 Sep., 1992, *Advances in Space Research, 14*(3), 285.
Kahle, A. B. (1991), Rock identification using thermal infrared data, paper presented at Earth Resources Satellite Data Analysis Center, Proceedings of the 3rd International Symposium: JERS-1 and Remote Sensing in the Future, , Japan. 215

Kahle, A. B. (1995), The Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER),.
Kahle, A. B. (1995), Measuring Change in Forests with EOS/ASTER,.
Kahle, A. B. (1997), Geologic remote sensing in the thermal infrared; New technology for geosciences, paper presented at 30th international geological congress on New technology for geosciences, Beijing, China, Aug. 4-14, 1996, , International Geological Congress, [location varies], International (III).
Kahle, A. B., E. Abbott, and A. R. Gillespie (1997), Advanced infrared sensors, paper presented at Land satellite information in the next decade II: Sources and applications; Proceedings of the Conference, Washington, DC; UNITED STATES; 2-5 Dec. 1997, , Bethesda.
Kahle, A. B., S. J. Hook, D. A. Nichols, M. L. Schier, and H. Tsu (1993), The Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER), paper presented at Canadian Remote Sensing Society, Remote Sensing: A Tool for Modelling and Managing Environmental Changes, .
Kahle, A. B., A. D. Morrison, H. Tsu, and Y. Yamaguchi (1996), Geologic Remote Sensing in the Thermal Infrared, paper presented at XVIII ISPRS Congress, , Vienna, Austria.
Kahle, A. B., F. D. Palluconi, S. J. Hook, V. J. Realmuto, and G. Bothwell (1991), Advanced Spaceborne Thermal Emission and Reflectance Radiometer (ASTER), *Int J Imaging Syst Technol, 3*(2), 144-156.
Kai, T., Kuwahara Yuji, K. T. , and T. Kimura (2004), Preparation of time series change information on surficial distribution for green space around Mito City.
Kaiser, M. F. and S. Ahmed (2013), Optimal thermal water locations along the Gulf of Suez coastal zones, Egypt, *Renewable Energy, 55*, 374-379, doi:http://dx.doi.org/10.1016/j.renene.2012.12.033. 216

Kaiser, R. D. (1999), Quantitative comparison of temperature/emissivity algorithm performance using SEBASS data, paper presented at Proceedings of the 1999 Algorithms for Multispectral and Hyperspectral Imagery V, Apr 5-Apr 6 1999, , Society of Photo-Optical Instrumentation Engineers, Bellingham, WA, USA, Orlando, FL.

Kaiser, T., M. Wehrhan, A. Werner, and M. Sommer (2012), Regionalizing ecological moisture levels and groundwater levels in grassland areas using thermal remote sensing, *Grassl. Sci., 58*(1), 42-52, doi:http://dx.doi.org/10.1111/j.1744-697X.2011.00240.x.
Kalvelage, T. and J. Willems (2003), Supporting users through integrated retrieval, processing, and distribution systems at the Land Processes Distributed Active Archive Center, paper presented at 54th International Astronautical Congress of the International Astronautical Federation (IAF); Bremen, Germany; Sep. 29 - Oct. 3, 2003, , American Institute of Aeronautics and Astronautics, Inc.
Kalvelage, T. and J. Willems (2005), Supporting users through integrated retrieval, processing, and distribution systems at the land processes distributed active archive center, *Acta Astronaut., 56*(7), 681-687.
Kambara Hiroshi, M. S. , H. Kayane, T. Matsunaga, Kato Masatane, and K. T. (1998), Application of ASTER spectral data on coral reef mapping.
KAMEI, A. and K. NAKAMURA (2010), Report on Field Experiment for Vicarious Calibration of ASTER, *Journal of Remote Sensing Society of Japan, 30*(5), 337-342, doi:https://www.jstage.jst.go.jp/article/rssj/30/5/30_5_337/_pdf.
Kamei, A., K. Nakamura, H. Yamamoto, R. Nakamura, S. Tsuchida, N. Yamamoto, S. Sekiguchi, S. Kato, C. Liu, K. Hsu, and A. Wu (2012), Cross Calibration of Formosat-2 Remote Sensing Instrument (RSI) Using Terra Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER), *IEEE Trans. Geosci. Remote Sens., 50*(11), 4821-4831, doi:http://dx.doi.org/10.1109/TGRS.2012.2194155. 217

Kamei, K. and O. Nishihara (1994), Long life spaceborne cryocooler for ASTER/TIR (Advanced Spaceborne Thermal Emission and Reflection Radiometer Thermal Infrared Radiometer), paper presented at Infrared spaceborne remote sensing II; Proceedings of the Conference, San Diego, CA; UNITED STATES; 27-29 July 1994, , Bellingham, San Diego, CA.
Kamh, S., M. Ashmawy, A. Kilias, and C. Basile (2012), Evaluating urban land cover change in the hurghada area, Egypt, by using gis and remote sensing, *Int. J. Remote Sens., 33*(1), 41-68, doi:10.1080/01431161.2010.550331.
Kamp, U.,Jr, M. P. Bishop, J. Olsenholler, and J. F. Shroder Jr (2001), Analysis of ASTER imagery and DEMs for assessing glaciation in the western Himalaya; The International Association of Geomorphologists; fifth international conference on Geomorphology; abstracts of conference papers, *Chikei = Transactions - Japanese Geomorphological Union, 22*(4), C-118.
Kamp, U., M. P. Bishop, J. F. Shroder, and J. Olsenholler (2001), Digital elevation models and geomorphometry for geomorphological and glacier analysis in the western Himalaya; Geological Society of America, 2001 annual meeting, *Abstracts with Programs - Geological Society of America, 33*(6), 320.
Kamp, U., T. Bolch, J. Olsenholler, and J. Roa (2004), ASTER digital elevation models in high mountain geomorphology, *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 32, Part 2*, 1000-1001.
Kamp, U., M. E. Byrne, and T. Bolch (2010), Glacier variations between 1975 and 2008 in Ladakh, northwestern India, paper presented at 2010 AAG annual meeting, Washington, DC, USA, United States, April 14-18, 2010, , Association of American Geographers, Washington, DC, United States (USA).
Kamp, U., M. Byrne, and T. Bolch (2011), Glacier fluctuations between 1975 and 2008 in the Greater Himalaya Range of Zanskar, southern Ladakh, *Journal of Mountain Science, 8*(3), 374-389, doi:10.1007/s11629-011-2007-9. 218

Kamp, U., B. J. Growley, G. A. Khattak, and L. A. Owen (2008), GIS-based landslide susceptibility mapping for the 2005 Kashmir earthquake region, *Geomorphology, 101*(4), 631-642, doi:10.1016/j.geomorph.2008.03.003.
Kamp, U., L. A. Owen, B. J. Growley, and G. A. Khattak (2010), Back analysis of landslide susceptibility zonation mapping for the 2005 Kashmir earthquake: an assessment of the reliability of susceptibility zoning maps, *Nat. Hazards, 54*(1), 1-25, doi:10.1007/s11069-009-9451-7.
Kampf, S. K. and S. W. Tyler (2003), Characterization of land surface energy fluxes at the Salar de Atacama, Northern Chile using ASTER image classification, *42*, 1066.
Kampf, S. K., S. W. Tyler, S. F. Menz, J. F. Muñoz, and C. O. Astete (2001), Development of Ground and Remotely Based Evaporation Measurements at the Salar de Atacama, Northern Chile, *21*, 0318.

Kampf, S. K. and S. W. Tyler (2006), Spatial characterization of land surface energy fluxes and uncertainty estimation at the Salar de Atacama, Northern Chile, *Adv. Water Resour., 29*(2), 336-354.
Kampf, S. K. (2002), Evaporation and land surface energy budget at the Salar de Atacama, northern Chile, *MAI, 41*(03), 130-749.
Kamthonkiat, D., C. Rodfai, A. Saiwanrungkul, S. Koshimura, and M. Matsuoka (2011), Geoinformatics in mangrove monitoring: damage and recovery after the 2004 Indian Ocean tsunami in Phang Nga, Thailand, *Nat. Hazards Earth Syst. Sci., 11*(7), 1851-1862, doi:http://dx.doi.org/10.5194/nhess-11-1851-2011.
Kaneko, D. (2005), Measurement of reflectance spectrum of rice plant leaves for a crop production model and applicability of water stress indices, paper presented at 2005 Annual Conference, Japan Society of Hydrology and Water Resources, , Japan Society of Hydrology and Water Resources. 219

Kang, L., Y. Shu, Y. Lei, and L. Zheng (2006), Mapping fruit tree planting area and estimating water consummation from Modis satellite data: a case study in Hebei Plain, China, *EOS Transactions, American Geophysical Union, 87*.
Kang, Q., R. Yu, Z. Zhang, and X. Zhao (2005), Rapid Survey of Land Salinization Based on Multi-Source Remote Sensing Data, *Remote Sensing Information*(6), 42-45.
Kang, Q., R. Yu, Z. Zhang, and X. Zhao (2005), Remote Sensing Application in Studying Soil Salinization in Arid Areas Based on ASTER Images, *Arid Land Geography, 28*(5), 675-680.
Kang, Q., R. Yu, Z. Zhang, and X. Zhao (2005), Remote sensing application of soil salinization based on multi-source images, paper presented at MIPPR 2005: Geospatial Information, Data Mining, and Applications, Oct 31-Nov 2 2005, , International Society for Optical Engineering, Bellingham WA, WA 98227-0010, United States.
Kang, Q., Z. Zhang, C. Wang, and R. Yu (2006), Application of remote sensing technique to land use changes and soil salinization in agricultural area of oasis, *Nongye Gongcheng Xuebao/Transactions of the Chinese Society of Agricultural Engineering, 22*(2), 73-78.
Kang, Q., Z. Zhang, X. Zhao, and R. Yu (2006), Remote Sensing Application to Rapid Survey of Land Salinization Based on Multi_source Images, *Journal of Arid Land Resources and Environment, 20*(3), 144-148.
Kaniewski, D., V. De Laet, E. Paulissen, and M. Waelkens (2007), Long-term effects of human impact on mountainous ecosystems, western Taurus Mountains, Turkey, *J. Biogeogr., 34*(11), 1975-1997.
KANNARI, Y., F. MILLS, H. WATANABE, T. EZAKA, T. NARITA, S. H. E. N. G. -. U. E. I. CHANG, and T. (. JAPEX Geoscience Inst. (1992), Comparison of preliminary results from Airborne Aster Simulator (AAS) with TIMS data, paper presented at JPL, Summaries of the Third Annual JPL Airborne Geoscience Workshop. Volume 2: TIMS Workshop p 13-15 (SEE N94-16595 03-42); UNITED STATES, . 220

KANNO, H. and A. IWASAKI (2009), Comparison of ASTER TOA Radiance with MODIS, *TRANSACTIONS OF THE JAPAN SOCIETY FOR AERONAUTICAL AND SPACE SCIENCES, SPACE TECHNOLOGY JAPAN, 7*(ists26), Pn_1-Pn_5, doi:http://dx.doi.org/10.2322/tstj.7.Pn_1.
Kano Hokuto, Osozawa Jun, and T. R. (2002), Extraction of Japanese red pine forest using ASTER data.
Kant, Y., B. D. Bharath, J. Mallick, C. Atzberger, and N. Kerle (2009), Satellite-based Analysis of the Role of Land Use/Land Cover and Vegetation Density on Surface Temperature Regime of Delhi, India, *Journal of the Indian Society of Remote Sensing, 37*(2), 201-214, doi:10.1007/s12524-009-0030-x.
Kargel, J. S. and B. Molnia (2003), ASTER Imagery And Interpretation Of Glaciers In Jasper National Park And Elsewhere In The Cordillera, *LPI Contribution, 1184*, 8127.pdf.
Kargel, J. S. (2005), Global Land Ice Measurements Form Space (GLIMS) Core Functions: International Organization, Aster Glacier Image Data Management, and Glacier Hazard/Emergency Response, 0.
Kargel, J. S., M. J. Abrams, M. P. Bishop, A. Bush, G. Hamilton, H. Jiskoot, A. Kaab, H. H. Kieffer, E. M. Lee, F. Paul, F. Rau, B. Raup, J. F. Shroder, D. Soltesz, D. Stainforth, L. Stearns, and R. Wessels (2005), Multispectral imaging contributions to global land ice measurements from space, *Remote Sens. Environ., 99*(1-2), 187-219.
Kargel, J. S., G. Leonard, R. E. Crippen, K. B. Delaney, S. G. Evans, and J. Schneider (2010), Satellite monitoring of Pakistan's rockslide-dammed Lake Gojal, *EOS Trans. Am. Geophys. Union, 91*(43), 394-395, doi:10.1029/2010EO430002.

Karimi, N., A. Farokhnia, S. Shishangosht, M. Elmi, M. Eftekhari, and H. Ghalkhani (2012), Elevation changes of Alamkouh glacier in Iran since 1955, based on remote sensing data, *Int. J. Appl. Earth Obs. Geoinf., 19*, 45-58, doi:http://dx.doi.org/10.1016/j.jag.2012.04.009. 221

Karkee, M., B. L. Steward, and S. A. Aziz (2008), Improving quality of public domain digital elevation models through data fusion, *Biosystems Engineering, 101*(3), 293-305.
Karnieli, A., Y. J. Kaufman, L. Remer, and A. Wald (2001), AFRI - Aerosol free vegetation index, *Remote Sens. Environ., 77*(1), 10-21.
Kasimu, A. and R. Tateishi (2009), Monitoring of oasis and desert ecotone using MODIS data in Xinjiang uyghur autonomous region of China, paper presented at 30th Asian Conference on Remote Sensing 2009, ACRS 2009, October 18, 2009 - October 23, 2009, Beijing, China, , Asian Association on Remote Sensing.
Kasimu, A. and R. Tateishi (2010), Extraction area at risk of desertification using MODIS and geophysical data: In Xinjiang Uyghur Autonomous Region of China, paper presented at 2010 International Conference on Multimedia Technology, ICMT 2010, October 29, 2010 - October 31, , IEEE Computer Society, Ningbo, China.
Kass, M. A. (2005), Slope stability analysis of the iliamna volcano, Alaska, using aster TIR, SRTM dem, and aeromagnetic data, paper presented at 18th Symposium on the Application of Geophysics to Engineering and Environmental Problems: Geophysical Solutions for Today's Challenges, SAGEEP 2005, April 3, 2005 - April 7, 2005, Atlanta, GA, , J and N Group, Ltd.
Kassabova, T. D., R. T. Pinker, and I. Laszlo (2002), Updated Surface Spectral Reflectance Models Compatible with Current Global Land Cover Classifications (2002 - 11atrad); Proceedings of the 11th AMS Conference on Atmospheric Radiation.
Kato Akiyoshi and Y. Y. (2005), Assessment of water and temperature stresses of vegetation in urban areas by the VWTI index.
Kato Soushi and Y. Y. (2003), Surface heat balance analysis in urban areas using remote sensing data.
Kato Soushi and Y. Y. (2004), Surface heat balance analysis in the city of Nagoya using ASTER data. 222

Kato Soushi and Y. Y. (2005), Comparison between surface heat balance and geometrical volume in urban area using ASTER data.
Kato Soushi, Y. Y. , and H. Tonooka (2002), Heat flux analysis in urban areas using ASTER data.
Kato, M., Y. Maruyama, and M. Tsukada (2000), Ps1-01 an Introduction of Aster (The Advanced Spaceborne Thermal Emission and Reflection Radiometer) for the Earth Observation, paper presented at Proceedings Of The 21st Asian Conference On Remote Sensing;ACRS 2000, .
Kato, K. and F. Yamazaki (2008), Characterization of flooded areas in the 2008 Myanmar cyclone using ALOS/PALSAR data and dem, paper presented at 29th Asian Conference on Remote Sensing 2008, ACRS 2008, November 10, 2008 - November 14, 2008, Colombo, Sri Lanka, , Asian Association on Remote Sensing.
Kato, S., C. Liu, P. Chen, C. Sun, H. Tsai, and Y. Yamaguchi (2009), Heat balance analysis in Taiwanese cities using aster and formosat-2 data, paper presented at 30th Asian Conference on Remote Sensing 2009, ACRS 2009, October 18, 2009 - October 23, 2009, Beijing, China, , Asian Association on Remote Sensing.
Kato, S., C. Liu, C. Sun, P. Chen, H. Tsai, and Y. Yamaguchi (2012), Comparison of surface heat balance in three cities in Taiwan using Terra ASTER and Formosat-2 RSI data, *Int. J. Appl. Earth Obs. Geoinf., 18*, 263-273, doi:http://dx.doi.org/10.1016/j.jag.2012.02.007.
Kato, S. and Y. Yamaguchi (2005), Analysis of urban heat-island effect using ASTER and ETM+ Data: Separation of anthropogenic heat discharge and natural heat radiation from sensible heat flux, *Remote Sens. Environ., 99*(1-2), 44-54.
Kato, S. and Y. Yamaguchi (2007), Estimation of storage heat flux in an urban area using ASTER data, *Remote Sens. Environ., 110*(1), 1-17. 223

Kato, S., Y. Yamaguchi, C. Liu, and C. Sun (2008), Surface heat balance analysis of Tainan City on March 6, 2001 using ASTER and Formosat-2 data, *Sensors, 8*(9), 6026-6044, doi:10.3390/s8096026.

Kato, Y. (2006), Possibility of descriptions of Fukui heavy rainfall and resulted disasters by using remote sensing, paper presented at Disaster Forewarning Diagnostic Methods and Management, Nov 13-16 2006, , International Society for Optical Engineering, Bellingham WA, WA 98227-0010, United States, Goa, India.
Kato, Y. (2006), Possibility of Descriptions of Fukui Heavy Rainfall and Resulted Disasters by using Remote Sensing -Preliminary Report-, *Memoirs of Fukui University of Technology, NO.36,dai1bu*, PAGE.229-236.
Kato, Y. (2007), Analysis of the Fukui Heavy Rainfall in July 2004 and the Heavy Rainfall in July 2006 by using Remote Sensing, *Memoirs of Fukui Univeristy of Technology, 37*, 335-342, doi:http://jairo.nii.ac.jp/db/detail-en?sid=0105/00000154.
Kato, Y. (2011), Detection of Disasters of Wenchuan Earthquake in Sichuan, China in 2008 by using Satellite Remote Sensing, *Memoirs of Fukui Univeristy of Technology, 41*, 63-72, doi:http://crf.flib.u-fukui.ac.jp/dspace/bitstream/10461/7173/1/kiyou4109.pdf.
Katra, I. and N. Lancaster (2007), Surface-sediment dynamics in a dust source from thermal infrared remote sensing, *EOS, Transactions, American Geophysical Union, 41; 88*(52, Suppl. Volume 1-2), 0666.
Katra, I. and N. Lancaster (2008), Surface-sediment dynamics in a dust source from spaceborne multispectral thermal infrared data, *Remote Sens. Environ., 112*(7), 3212-3221.
Katra, I., S. Scheidt, and N. Lancaster (2009), Changes in active eolian sand at northern Coachella Valley, California, *Geomorphology, 105*(3-4), 277-290, doi:10.1016/j.geomorph.2008.10.004. 224

Katsiabani, K., N. Adaktilou, and C. Cartalis (2009), A generalised methodology for estimating land surface temperature for non-urban areas of Greece through the combined use of NOAA-AVHRR data and ancillary information, *Advances in Space Research, 43*(6), 930-940.
Katsurada, Y. (2007), Estimation of geological conditions in the Bishri region, Syria by using ASTER remotely sensed images, paper presented at The 114th Annual Meeting, Geological Society of Japan, 2007, Sapporo, , Geological Society of Japan.
Kaufman, Y. J., W. M. Hao, C. Justice, L. Giglio, D. Herring, and F. Einaudi (2001), Remote Sensing of Fires and Smoke from the Earth Observing System MODIS Instrument, paper presented at International Workshop, , Champs-sur-Marne France.
Kaufman, Y. J., D. D. Herring, K. J. Ranson, and G. J. Collatz (1998), Earth Observing System AM1 mission to earth, *IEEE Trans. Geosci. Remote Sens., 36*(4), 1045-1055.
Kaufman, Y. J. (2000), The Earth Observing System Terra Mission, 1.
Kaufman, Y. J. and F. Einaudi (2000), The Earth Observing System Terra Mission, 2.
Kavak, K. S. (2005), Indication of geohazard risk and economic value of gypsum deposits in the Tertiary Sivas Basin (Turkey) using ASTER and Landsat ETM+ images, paper presented at RAST 2005. Proceedings of 2nd International Conference on Recent Advances in Space Technologies, 9-11 June 2005, , IEEE.
Kavak, K. S. (2005), Recognition of gypsum geohorizons in the Sivas Basin (Turkey) using ASTER and Landsat ETM+ images, *Int. J. Remote Sens., 26*(20), 4583-4596.
Kavak, K. S., Y. Tore, H. Temiz, O. Parlak, H. Cigla, and M. Yakan (2010), Differentiation of Neotethyan ophiolitic melange and an approach revealing its surficial chromite deposits using ASTER image and spectral measurements (Sivas/Turkey), paper presented at Earth Resources and Environmental Remote Sensing/GIS Applications, September 21, 2010 - September 23, , SPIE, Toulouse, France. 225

Kavak, K. S., A. Ucurum, P. J. Lechler, G. B. Arehart, N. Otlu, T. Ekici, and D. Boztug (2004), Determination of alteration zones related to hydrothermal mineralization in the eastern Black Sea region-Turkey using ASTER and Landsat ETM images, *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 32, Part 2*, 941.
Kavzoglu, T. and I. Colkesen (2009), A kernel functions analysis for support vector machines for land cover classification, *International Journal of Applied Earth Observation and Geoinformation, 11*(5), 352-359, doi:10.1016/j.jag.2009.06.002.
Kavzoglu, T. and I. Colkesen (2011), Entropic Distance Based K-Star Algorithm for Remote Sensing Image Classification, *Fresenius Environ. Bull., 20*(5), 1200-1207.
Kawabata, D. and J. Bandibas (2008), Landslide susceptibility mapping using geological data and DEM from ASTER images and artificial neural networks (ANN), *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 33*, Abstract 1343902.

Kawabata, D. and J. Bandibas (2009), Landslide susceptibility mapping using geological data, a DEM from ASTER images and an Artificial Neural Network (ANN), *Geomorphology, 113*(1-2), 97-109, doi:10.1016/j.geomorph.2009.06.006.
Kawabata, K., S. Wakabayashi, T. Akiyama, H. Fujisada, and M. Kato (1997), Parallax error correction method for ASTER SWIR bands, paper presented at Sensors, systems, and next-generation satellites; Proceedings of the Conference, London, United Kingdom; UNITED STATES; 22-25 Sept. 1997, , Society of Photo-Optical Instrumentation Engineers (SPIE Proceedings. Vol. 3221).
Kawada, M., H. Akao, M. Kobayashi, T. Maekawa, and H. Fujisada (2001), In-flight performance of ASTER cryocooler, paper presented at Sensors, systems, and next-generation satellites IV; Proceedings of the Conference, Barcelona, Spain; UNITED STATES; 25-28 Sept. 2000, , Bellingham. 226

Kawada, M., Akao Hiroshi, Kobayashi Minoru, K. K. , Nishimoto Atsushi, and N. O. (1997), Development of long-life Stirling cycle cryocoolers for ASTER .
Kawada, M., H. Akao, M. Kobayashi, S. Akagi, T. Maekawa, O. Nishihara, M. Kudoh, and H. Fujisada (2002), Performance evaluation of ASTER cryocooler in orbit, paper presented at Sensors, Systems, and Next-Generation Satellites VI, Sep 23-26 2002, , The International Society for Optical Engineering.
Kawada, M. and H. Fujisada (1991), Mechanical cooler development program for ASTER, paper presented at Future European and Japanese Remote-Sensing Sensors and Programs, Apr 1-2 1991, , Publ by Int Soc for Optical Engineering, Bellingham, WA, USA.
Kawada, M., H. Fujisada, H. Akao, M. Kobayashi, K. Kawajiri, A. Nishimoto, and O. Nishihara (1997), Performance of long-life Stirling cycle cryocoolers for ASTER instrument, paper presented at Sensors, systems, and next-generation satellites; Proceedings of the Conference, London, United Kingdom; UNITED STATES; 22-25 Sept. 1997, , Society of Photo-Optical Instrumentation Engineers, London, United Kingdom.
Kawada, M., H. Fujisada, M. Kobayashi, H. Akao, O. Nishihara, and A. Nishimoto (1995), Verification test and evaluation of vibration characteristics for the ASTER cryocoolers, paper presented at Infrared Spaceborne Remote Sensing III, Jul 12-14 1995, , Society of Photo-Optical Instrumentation Engineers, Bellingham, WA, USA.
Kawai Masaki, Setojima Masahiro, Funahashi Manabu, I. Y. , and T. Tachikawa (2005), Examination as to calculation of variation of vegetation and prediction of volume of vegetation by ASTER.
Kawajiri, K., Y. Hisamori, T. Oishi, H. Kiyota, M. Kawada, and M. Isoda (1993), A long life Stirling-cycle refrigeration unit for use in outer space, *Mitsubishi Denki Giho, 67*(8), 79-82. 227

Kawakami, T. (1998), ASTER program overview, paper presented at Proceedings of the 1998 Conference on Hyperspectral Remote Sensing and Application, Sep 15-16 1998, , SPIE, Bellingham, WA, USA.
Kawashima, H., C. Wang, and H. Kitagawa (2012), Extracting hot spots from satellite data, paper presented at 24th International Conference on Scientific and Statistical DatabaseManagement, SSDBM 2012, June 25, 2012 - June 27, 2012, Chania, Crete, Greece, , Springer Verlag.
Kawashima, T., Y. Narimatsu, H. Inada, J. Ishida, K. Hamada, Y. Ito, J. Yoshida, N. Ohgi, K. Tatsumi, H. Harada, T. Kawanishi, F. Sakuma, and A. Iwasaki (2010), The functional evaluation model for the on-board hyperspectral radiometer, paper presented at Multispectral, Hyperspectral, and Ultraspectral Remote Sensing Technology, Techniques, and Applications III, October 13, 2010 - October 14, , SPIE, Incheon, Korea, Republic of.
Kawata, Y., H. Fukui, K. Takemata, and N. Takeuchi (2005), Surface reflectance ratios between visible and infrared bands of satellite images over land areas in Japan for retrieval of aerosol optical thickness, *Advances in Space Research, 36*(5), 773-777.
Kawata, Y., H. Fukui, and K. Takemata (2004), Surface reflectance ratios for several land classes in Japan between visible and infrared bands from satellite and sky measurement data, paper presented at Passive Optical Remote Sensing of Atmosphere and Clouds IV, Nov 9-10 2004, , International Society for Optical Engineering, Bellingham, WA 98227-0010, United States.
Kay, J. E., A. R. Gillespie, G. B. Hansen, and E. C. Pettit (2003), Spatial relationships between snow contaminant content, grain size, and surface temperature from multispectral images of Mt. Rainier, Washington (USA), *Remote Sens. Environ., 86*(2), 216-231.

Kay, J. E., S. K. Kampf, R. N. Handcock, K. A. Cherkauer, A. R. Gillespie, and S. J. Burges (2005), Accuracy of lake and stream temperatures estimated from thermal infrared images, *J. Am. Water Resour. Assoc., 41*(5), 1161-1175. 228

Kay, J., R. N. Handcock, A. Gillespie, C. Konrad, S. Burges, N. Naveh, and D. Booth (2001), Stream-temperature estimation from thermal infrared images, paper presented at 2001 International Geoscience and Remote Sensing Symposium (IGARSS 2001), Jul 9-13 2001, , Institute of Electrical and Electronics Engineers Inc.
Kayadibi, O. (2011), Evaluation of imaging spectroscopy and atmospheric correction of multispectral images (Aster and LandsaT 7 ETM+), paper presented at RAST 2011 - Proceedings of 5th International Conference on Recent Advances in Space Technologies (RAST), 9-11 June 2011, , IEEE Computer Society Piscataway, NJ, Istanbul, Turkey.
Kayadibi, O. (2009), Recent advances in satellite technologies using to generate the digital elevation model (DEM), paper presented at 4th International Conference on Recent Advances in Space Technologies 2009, RAST '09, June 11, 2009 - June 13, , IEEE Computer Society.
Kaymakci, N., E. Aldanmaz, C. Langereis, T. L. Spell, O. F. Gurer, and K. A. Zanetti (2007), Late Miocene transcurrent tectonics in NW Turkey; evidence from palaeomagnetism and (super 40) Ar-(super 39) Ar dating of alkaline volcanic rocks, *Geol. Mag., 144*(2), 379-392, doi:10.1017/S0016756806003074.
Kaymakci, N., M. L. Suzen, I. Kuscu, V. Toprak, and F. Zortul (2005), Uzaktan algilama yontemleriyle kuzeybati Anadolu'da alterasyon minerallerinin haritalanmasi ve alterasyonlari kontrol eden yapisal etmenler--Maping alteration minerals in western Turkey by remote sensing and structural features that control these alterations, *Turkiye Jeoloji Kurultayi Bildiri Ozleri = Abstract of the Geological Congress of Turkey, 58*, 204-205.
Kealy, P. S. and S. J. Hook (1993), Separating temperature and emissivity in thermal infrared multispectral scanner data: implications for recovering land surface temperature, *IEEE Trans. Geosci. Remote Sens., 31*(6), 1155-1164.
Kearney, C. and K. Dean (2003), A preliminary analysis of the detection limit of volcanic sulfur dioxide in the North Pacific using ASTER and MODIS, paper presented at 54. Arctic Science Conference, Fairbanks, AK (USA), 21-24 Sep 2003 229

Extreme Events.Understanding Perturbations to the Physical and biological Environment.p, , American Association for the Advancement of Science.
Kearney, C., K. G. Dean, J. (. Eichelberger, and American Association for the Advancement of Science, Arctic Division,United States (USA) (2003), A preliminary analysis of the detection limit of volcanic sulfur dioxide in the North Pacific using ASTER and MODIS; Extreme events; understanding perturbations to the physical and biological environment, *Program and Abstracts - Arctic Science Conference, 54*, 184.
Kearney, C., J. Dehn, and K. G. Dean (2004), Space-based TIR detection of volcanic SO (sub 2) in the North Pacific using ASTER and MODIS, *EOS Trans. Am. Geophys. Union, 85*(47, Suppl.), Abstract V33C-1477.
Kennedy, S. K., S. P. Scheidt, and N. Lancaster (2010), Utilization of CCSEM methods to determine minor/accessory mineral abundances from inland desert dune sands of the Gran Desierto, *Abstracts with Programs - Geological Society of America, 42*(5), 416.
Keramitsoglou, I., C. Kontoes, O. Sykioti, N. Sifakis, and P. Xofis (2008), Reliable, accurate and timely forest mapping for wildfire management using ASTER and Hyperion satellite imagery, *For. Ecol. Manage., 255*(10), 3556-3562.
Keramitsoglou, I., C. Kontoes, K. Koutroumbas, O. Sykioti, and N. Sifakis (2005), Mapping of forest species and tree density using new Earth observation sensors for wildfire applications, paper presented at Remote Sensing for Agriculture, Ecosystems, and Hydrology VII, , International Society for Optical Engineering, Bruges, Belgium.
Kernich, A. L., C. F. Pain, J. D. A. Clarke, and A. D. Fitzpatrick (2009), Geomorphology of a dryland fluvial system: the Lower Balonne River, southern Queensland, *Aust. J. Earth Sci., 56*, 139-153, doi:10.1080/08120090902871184.
Kernich, A. L. and C. Pain (2003), Geomorphology mapping for NRM issues, southeastern Queensland, paper presented at Advances in regolith; proceedings of the CRC LEME regional 230

regolith symposia 2003, , Cooperative Research Centre for Landscape Environments and Mineral Exploration, Bentley, West. Aust., Australia (AUS).
Kernich, A., C. Pain, P. Kilgour, and B. Maly (2004), Regolith landforms in the lower Balonne area, southern Queensland, Australia, *CRC LEME Open File Report, 161*, 59.
Kervyn, F., S. Ayub, R. Kajara, E. Kanza, and B. Temu (2006), Evidence of recent faulting in the Rukwa rift (West Tanzania) based on radar interferometric DEMs, *J. Afr. Earth Sci., 44*(2), 151-168.
Kervyn, M., G. G. J. Ernst, A. J. L. Harris, F. Belton, E. Mbede, and P. Jacobs (2008), Thermal remote sensing of the low-intensity carbonatite volcanism of Oldoinyo Lengai, Tanzania, *Int. J. Remote Sens., 29*(22), 6467-6499.
Kervyn, M., G. G. J. Ernst, J. Keller, R. G. Vaughan, J. Klaudius, E. Pradal, F. Belton, H. B. Mattsson, E. Mbede, and P. Jacobs (2010), Fundamental changes in the activity of the natrocarbonatite volcano Oldoinyo Lengai, Tanzania, *Bulletin of Volcanology, 72*(8), 913-931, doi:10.1007/s00445-010-0360-0.
Kervyn, M., F. Kervyn, R. Goossens, S. K. Rowland, and G. G. J. Ernst (2007), Mapping volcanic terrain using high-resolution and 3D satellite remote sensing, in *Mapping hazardous terrain using remote sensing,* , vol. 283, edited by R. M. Teeuw, pp. 5-30, London, United Kingdom (GBR), Geological Society of London.
Kervyn, M., G. G. J. Ernst, R. Goossens, and P. Jacobs (2008), Mapping volcano topography with remote sensing: ASTER vs. SRTM, *Int. J. Remote Sens., 29*(22), 6515-6538.
Kervyn, M., G. G. J. Ernst, J. Klaudius, J. Keller, E. Mbede, and P. Jacobs (2008), Remote sensing study of sector collapses and debris avalanche deposits at Oldoinyo Lengai and Kerimasi volcanoes, Tanzania, *Int. J. Remote Sens., 29*(22), 6565-6595. 231

Kesgin, B. and E. Nurlu (2009), Land cover changes on the coastal zone of Candarli Bay, Turkey using remotely sensed data, *Environ. Monit. Assess., 157*(1-4), 89-96, doi:10.1007/s10661-008-0517-x.
Keshri, A. K., A. Shukla, and R. P. Gupta (2009), ASTER ratio indices for supraglacial terrain mapping, *Int. J. Remote Sens., 30*(2), 519-524.
Kesten, D., M. Weber, C. Haberland, C. Janssen, A. Agnon, Y. Bartov, I. Rabba, and DESERT Group (2008), Combining satellite and seismic images to analyse the shallow structure of the Dead Sea Transform near the DESERT transect, *Int. J. Earth Sci., 97*(1), 153-169.
Kester, J. E. (2008), Building good spectral vegetation backgrounds in the VNIR, paper presented at IGARSS 2008 - 2008 IEEE International Geoscience and Remote Sensing Symposium, , IEEE.
Khalsa, S. J. S. and A. Racoviteanu (2008), ASTER-derived DEMs for glacier studies; comparison of available software packages, *Geophysical Research Abstracts, 10*, EGU2008-A-04445.
Khalsa, S. J. S., M. B. Dyurgerov, B. H. Raup, G. Scharfen, and R. G. Barry (2003), New tools for analyzing glacier changes from space, *EOS Trans. Am. Geophys. Union, 84*(46, Suppl.), Abstract C11C-0838.
Khalsa, S. J. S., M. Dyurgerov, T. Khromova, B. Raup, and R. G. Barry (2003), Space-Based Mapping of Glacier Changes using ASTER and GIS Tools, paper presented at 2003 IGARSS: Learning From Earth's Shapes and Colours, Jul 21-25 2003, , Institute of Electrical and Electronics Engineers Inc.
Khalsa, S. J. S., M. B. Dyurgerov, T. Khromova, B. H. Raup, and R. G. Barry (2004), Space-based mapping of glacier changes using ASTER and GIS tools; Special issue on the 2003 international geoscience and remote sensing symposium (IGARSS'03); Learning from Earth's 232

shapes and colors, *IEEE Trans. Geosci. Remote Sens., 42*(10), 2177-2183, doi:10.1109/TGRS.2004.834636.
Khan, S. D., K. Mahmood, and J. F. Casey (2007), Mapping of Muslim Bagh ophiolite complex (Pakistan) using new remote sensing, and field data, *Journal of Asian Earth Sciences, 30*(2), 333-343.
Khan, S. I., Y. Hong, J. Wang, K. K. Yilmaz, J. J. Gourley, R. F. Adler, G. R. Brakenridge, F. Policelli, S. Habib, and D. Irwin (2011), Satellite Remote Sensing and Hydrologic Modeling for Flood Inundation Mapping in Lake Victoria Basin: Implications for Hydrologic Prediction in Ungauged Basins, *IEEE Trans. Geosci. Remote Sens., 49*(1), 85-95, doi:10.1109/TGRS.2010.2057513.
Khan, S. I. (2011), Satellite remote sensing and hydrologic modeling for flood monitoring in data poor environments, 155.
Khan, S. I., Y. Hong, and J. Wang (2012), Multispectral Satellite Data for Flood Monitoring and Inundation Mapping, in *Multiscale Hydrologic Remote Sensing: Perspectives and Applications,* , edited by N. Chang, pp. 251-268, Boca Raton, FL, Taylor & Francis/CRC Press.

Khan, S. D., L. Chen, S. Ahmad, I. Ahmad, and F. Ali (2012), Lateral structural variation along the Kalabagh Fault Zone, NW Himalayan foreland fold-and-thrust belt, Pakistan, *J. Asian Earth Sci., 50*, 79-87, doi:http://dx.doi.org/10.1016/j.jseaes.2012.01.009.
Khan, S. D. and N. F. Glenn (2006), New strike-slip faults and litho-units mapped in Chitral (N. Pakistan) using field and ASTER data yield regionally significant results, *Int. J. Remote Sens., 27*(20), 4495-4512.
Khan, S. D. and K. Mahmood (2008), The application of remote sensing techniques to the study of ophiolites, *Earth-Sci. Rev., 89*(3-4), 135-143, doi:10.1016/j.earscirev.2008.04.004. 233

Khan, S. D., K. Mahmood, J. Casey, and M. Flower (2007), Late Cretaceous arc-continent collision in western Pakistan and implications for Himalayan Orogeny, *Abstracts with Programs - Geological Society of America, 39*(6), 131.
Khan, S. D., D. J. Walker, S. A. Hall, K. C. Burke, M. T. Shah, and L. Stockli (2009), Did the Kohistan-Ladakh island arc collide first with India? *Geological Society of America Bulletin, 121*(3-4), 366-384, doi:10.1130/B26348.1.
Khanbilvardi, R., B. Shteinman, V. Kushnir, and S. Stanichny (2005), Short term forecast of the quality of water in New York coastal zone using multispectral satellite data, paper presented at OCEANS 2005, 17-23 Sept. 2005, , IEEE, Washington, DC.
Khromova, T., G. Nosenko, R. Armstrong, B. Raup, S. S. Khalsa, and R. Barry (2005), First Results of GLIMS Database Population for Former Soviet Union Glacier Regions, *EOS, Transactions, American Geophysical Union, 86*(no. 52, Suppl.), Abstract C51B-0286.
Khromova, T. E., M. B. Dyurgerov, and R. G. Barry (2003), Late-twentieth century changes in glacier extent in the Ak-shirak Range, Central Asia, determined from historical data and ASTER imagery, *Geophys. Res. Lett., 30*(16), 4, doi:10.1029/2003GL017233.
Khromova, T. E., G. B. Osipova, D. G. Tsvetkov, M. B. Dyurgerov, and R. G. Barry (2006), Changes in glacier extent in the eastern Pamir, Central Asia, determined from historical data and ASTER imagery, *Remote Sens. Environ., 102*(1-2), 24-32.
Khromova, T. Y., M. B. Dyurgerov, and R. G. Barry (2003), Application of ASTER images to estimate glacier system changes in the central Tien Shan during the second half of the 20th century, paper presented at IUGG 2003, Sapporo, JPN, Japan, June 30-July 11, 2003, , IUGG, [location varies], International (III).
Khromova, T., A. Glazovsky, G. Nossenko, and M. Dyurgerov (2003), Glacier mapping from historical data and ASTER images; Papers and recommendations; Snow watch 2002 workshop and workshop on Assessing global glacier recession, paper presented at Snow watch 2002 234

workshop and workshop on Assessing global glacier recession, Camp Spring, MD, United States, Oct. 31-Nov. 1, 2002, , National Snow and Ice Data Center/World Data Center for Glaciology, Boulder, CO, United States (USA).
Khromova, T., V. Kotlyakov, and G. (. Nosenko Gennadiy) (2007), Results of ASTER and LANDSAT imagery application to the glaciated regions of Russia in the frame or GLIMS project, paper presented at Earth: Our Changing Planet. Proceedings of IUGG XXIV general assembly, Perugia, ITA, Italy, July 2-13, 2007, , IUGG, [location varies], International (III).
Kiang, R. K., F. Adimi, and S. Kempler (2007), Accessing, Utilizing and Visualizing NASA Remote Sensing Data for Malaria Modeling and Surveillance, paper presented at Mekong Malaria Colloquium, , Hanoi, Viet Nam.
Kiang, R., F. Adimi, and S. Kempler (2008), Accessing and Utilizing Remote Sensing Data for Vectorborne Infectious Diseases Surveillance and Modeling, paper presented at The International Conference on Emerging Infectious Diseases (ICEID 2008), , American Society for Microbiology; Washington, DC, Atlanta, Georgia.
Kiefer, D. (2006), Monitoring Sediment Resuspension in Coral Reefs and Seagrass Beds with MODIS and ASTER Sensors, 11.
Kieffer, H. H. and R. L. Wildey (1996), Establishing the moon as a spectral radiance standard, *J. Atmos. Ocean. Technol., 13*(2), 360-375.

Kieffer, H. H., J. S. Kargel, R. Barry, R. Bindschadler, M. Bishop, D. MacKinnon, A. Ohmura, B. Raup, M. Antoninetti, J. Bamber, M. Braun, I. Brown, D. Cohen, L. Copland, J. DueHagen, R. V. Engeset, B. Fitzharris, K. Fujita, W. Haeberli, J. O. Hagen, D. Hall, M. Hoelzle, M. Johansson, A. Kaab, M. Koenig, V. Konovalov, M. Maisch, F. Paul, F. Rau, N. Reeh, E. Rignot, A. Rivera, M. d. R. de Wildt, T. Scambos, J. Schaper, G. Scharfen, J. Shroder, O. Solomina, D. Thompson, K. van der Veen, T. Wohlleben, and N. Young (2000), New eyes in the sky measure glaciers and ice sheets, *EOS Trans. Am. Geophys. Union, 81*(24), 265-270-271. 235

Kieffer, H. H., K. F. Mullins, and D. J. MacKinnon (2008), Validation of the ASTER instrument level 1A scene geometry, *Photogramm. Eng. Remote Sensing, 74*(3), 289-301.
Kilby, W. E. and L. D. Jones (2004), MapPlace.ca; more power!; Geological Society of America, Rocky Mountain Section, 56th annual meeting; Geological Society of America, Cordilleran Section, 100th annual meeting, *Abstracts with Programs - Geological Society of America, 36*(4), 30.
Kincaid, J. L. and A. G. Klein (2007), Glacier Change in the Rwenzori Mountains, East Africa, *EOS Transactions, American Geophysical Union, 88*(52,; Suppl. Volume 1-2).
Kincal, C., A. Singleton, P. Liu, Z. Li, J. Drummond, T. Hoey, J. Muller, W. Qu, Q. Zeng, J. Zhang, and P. Du (2010), Mass movement susceptibility mapping using satellite optical imagery compared with InSar monitoring: Zigui County, Three Gorges region, China, paper presented at 2010 Dragon 2 Mid Term Results Symposium, May 17, 2010 - May 21, , European Space Agency, Guilin City, China.
King, M. D., S. Platnick, G. Wind, G. T. Arnold, S. A. Ackerman, and R. Frey (2007), Remote Sensing of the Radiative and Microphysical Properties of Clouds during TC4: Results from MAS, MASTER, MODIS, and MISR, *EOS Transactions, American Geophysical Union, 88*(52,; Suppl. Volume 1-2).
King, M. D. and D. D. Herring (2000), Monitoring Earth's Vital Signs, *Sci. Am., 282*(4), 92.
King, M. D., S. Platnick, G. Wind, G. T. Arnold, and R. T. Dominguez (2010), Remote sensing of radiative and microphysical properties of clouds during TC4: Results from MAS, MASTER, MODIS, and MISR, *Journal of Geophysical Research-Atmospheres, 115*, D00J07, doi:10.1029/2009JD013277.
King, T. V. V., M. R. Johnson, B. E. Hubbard, and B. J. Drenth (2011), Detecting and mapping resource anomalies; introduction and background, *U.S. Geological Survey Open File Report, 2011-1229*, 1-5, doi:http://pubs.usgs.gov/of/2011/1229/. 236

Kirby, E. and K. X. Whipple (2012), Expression of active tectonics in erosional landscapes, *J. Struct. Geol., 44*, 54-75, doi:http://dx.doi.org/10.1016/j.jsg.2012.07.009.
Kirimoto, K., Kawahara Yohei, and O. S. (2002), Environmental Observations of Ariake Bay by ASTER and SAR images.
Kirkland, L. E., K. C. Herr, and P. M. Adams (2007), Straightforward results from a Mars analog site (Alunite, Nevada); learning to combine near- and thermal-infrared spectral interpretations for Mars, *Abstracts of Papers Submitted to the Lunar and Planetary Science Conference, 38*, @Abstract 2232.
Kishino, M. (1995), Application of ASTER Data to Oceanography, Limnology and Sea Ice. *Journal of Remote Sensing Society of Japan, 15,NO.2*, PAGE.164-169.
Kishino, M., A. Tanaka, and J. Ishizaka (2005), Retrieval of Chlorophyll a, suspended solids, and colored dissolved organic matter in Tokyo Bay using ASTER data, *Remote Sens. Environ., 99*(1-2), 66-74.
Kitamura, A., D. Kunii, C. Yonezawa, and G. Saito (2010), Monitoring of paddy rice fields in australia using aster data and tm data, paper presented at 31st Asian Conference on Remote Sensing 2010, ACRS 2010, November 1, 2010 - November 5, 2012, Hanoi, Viet Nam, , Asian Association on Remote Sensing.
Kiyota, H., M. Kobayashi, H. Akao, and K. Kawajiri (1994), Long life spaceborne cryocooler for ASTER/SWIR (Advanced Spaceborne Thermal Emission and Reflection Radiometer Short Wavelength Infrared Radiometer), paper presented at Infrared spaceborne remote sensing II; Proceedings of the Conference, San Diego, CA; UNITED STATES; 27-29 July 1994, , Society of Photo-Optical Instrumentation Engineers.
Klaassen, A. L. and C. K. Gacke (2004), Access to Land Data Products Through the Land Processes DAAC, *23*, 0046. 237

Klein, A. G. and J. L. Kincaid (2009), Glacier retreat in the Tres Cruces region of Bolivia from 1975 to present, paper presented at Association of American Geographers 2009 annual meeting, Las Vegas, NV, United States, March 22-27, 2009, , Association of American Geographers, Washington, DC, United States (USA).

Klein, T. L. (2007), The central Colorado assessment; multi-disciplinary geoscience in support of resource management of public lands, *Abstracts with Programs - Geological Society of America, 39*(6), 627.
Kneubuhler, M., M. Schaepman, and K. Thome (2006), Long-term vicarious calibration efforts of MERIS at railroad valley playa (NV) - An update, paper presented at 2nd Working Meeting on MERIS and AATSR Calibration and Geophysical Validation, MAVT-2006, Mar 20-24 2006, , European Space Agency, Noordwijk, 2200 AG, Netherlands.
Knudson, A. T. and P. R. Christensen (2001), Thermal Infrared Multispectral Analysis of Mafic Volcanic Rocks Near Gila Bend, Arizona, *52*, 0583.
Knudson, A. T. (2006), Dirty rocks: Thermal infrared studies of dusty, sandy, or coated soils and rocks on Mars and Earth, *DAI, 67*(11B), 262-6263.
Knudson, A. T. and P. R. Christensen (2001), Thermal infrared multispectral analysis of mafic volcanic rocks near Gila Bend, Arizona, *Abstracts with Programs - Geological Society of America, 33*(6), 432.
Knudson, A. T. and P. R. Christensen (2002), Multispectral thermal infrared analysis of mafic volcanic rocks near Gila Bend, Arizona; Geological Society of America, 2002 annual meeting, *Abstracts with Programs - Geological Society of America, 34*(6), 550-551.
Kobayashi, H. (2003), Examination of geometric correction about ASTER, IKONOS and Quick Bird images, paper presented at 114th The Japanese Forestry Society Congress , The Japanese Forestry Society Congress Database. 238

Kobayashi, C. and R. Anma (2008), Mapping the Taitao Ophiolite using remote sensing data revealed surface geology of inaccessible outcrops, paper presented at Japan Geoscience Union meeting 2008, Tokyo, JPN, Japan, May 25-30, 2008, , Japan Geoscience Union, Tokyo, Japan (JPN).
Kobayashi, C., Y. Orihashi, D. Hiarata, J. A. Naranjo, M. Kobayashi, and R. Anma (2010), Compositional variations revealed by ASTER image analysis of the Viedma Volcano, southern Andes Volcanic Zone, *Andean Geology, 37*(2), 433-441.
Kobayashi, C., Y. Orihashi, D. Hirata, J. Naranjo, M. Kobayashi, and R. Anma (2010), Estimation of SiO_2wt% around Viedma volcano in Chile, using spaceborne ASTER, paper presented at Annual Meeting of the Geochemical Society of Japan, , Geochemical Society of Japan.
Kobayashi, H., A. Ninomiya, Y. Mizuochi, K. Ueda, A. Chiba, and K. Okada (2004), Study on the site assessment for the geological sequestration of the atmospheric carbon dioxide related to ultramafic rocks using ASTER data; Abstracts from the 110th symposium of Society of Exploration Geophysicists of Japan, *Butsuri-Tansa = Geophysical Exploration, 57*(4), 415.
Kobayashi, H. and T. Kato (2007), High-resolution mapping of the seasonal changes in leaf area index and above ground biomass in Qinghai-Tibetan Plateau, China, paper presented at 28th Asian Conference on Remote Sensing 2007, ACRS 2007, November 12, 2007 - November 16, 2007, Kuala Lumpur, Malaysia, , Asian Association on Remote Sensing.
Kobayashi, H. and S. Ogawa (2006), Ecosystem evaluation for watarase retarding basin, paper presented at 27th Asian Conference on Remote Sensing, ACRS 2006, October 9, 2006 - October 13, 2006; Ulaanbaatar, Mongolia, , Asian Association on Remote Sensing.
Kobayashi, H. and S. Ogawa (2007), Habitat evaluation for ecosystem in Iriomote island with satellite data, paper presented at 28th Asian Conference on Remote Sensing 2007, ACRS 2007, November 12, 2007 - November 16, 2007, Kuala Lumpur, Malaysia, , Asian Association on Remote Sensing. 239

Kobayashi, S., R. Widyorini, S. Kawai, Y. Omura, K. Sanga-Ngoie, and B. Supriadi (2012), Backscattering characteristics of L-band polarimetric and optical satellite imagery over planted acacia forests in Sumatra, Indonesia, *J. Appl. Remote Sens., 6*, 063525, doi:http://dx.doi.org/10.1117/1.JRS.6.063525.
KOBAYASHI, Y. and Y. Yasuoka (2008), Evaluation of Economic Effect of Evergreen Forest and Deciduous Forest in the South Western Area of Tokyo, paper presented at JILA Annual Scientific Research Meeting, , Japanese Institute of Landscape Architecture.
KOBAYASHI, Y. and Y. Yasuoka (2007), Environmental Valuation of forest in the South Western Area of Tokyo Using Potential Model, *Journal of the City Planning Institute of Japan, 42*, 76-76.
KOBAYASHI, Y. and Y. YASUOKA (2008), Evaluation of Economic Effect of Evergreen Forest and Deciduous Forest in the South Western Area of Tokyo, *Journal of The Japanese Institute of Landscape Architecture, 71*(5), 759-762, doi:http://dx.doi.org/10.5632/jila.71.759.

KOBAYASHI, Y. and Y. YASUOKA (2008), Evaluation of Economic Effect of Evergreen Forest and Deciduous Forest in the South Western Area of Tokyo, paper presented at JILA Annual Scientific Research Meeting, .
KOBAYASHI, Y., Y. YASUOKA, and H. SAWADA (2009), Evaluation of Externality of Parks, Grounds etc. and Forest in the South Western Area of Tokyo, *Journal of The Japanese Institute of Landscape Architecture, 72*(5), 763-766, doi:http://dx.doi.org/10.5632/jila.72.763.
KOBAYASHI, Y., Y. YASUOKA, and H. SAWADA (2009), Evaluation of Externality of Parks, Grounds etc. and Forest in the South Western Area of Tokyo, paper presented at JILA Annual Scientific Research Meeting, , Japanese Institute of Landscape Architecture.
Koboltschig, G., H. Holzmann, W. Schoener, and M. Zappa (2006), Potential of a water balance model with high temporal resolution for the distributed modelling of ice- and snowmelt processes at high elevated sites; Proceedings of the 63rd annual eastern snow conference, 240

paper presented at 63rd eastern snow conference, Newark, DE, United States, June 7-9, 2006, .
Koboltschnig, G., H. Holzmann, C. Kroisleitner, W. Schoener, and M. Zappa (2007), Snow- and icemelt contribution of Alpine catchments on different spatial scales: the transferability of model parameters,.
Koch, M., J. Inzana, and F. El-Baz (2005), Applications of Hyperion hyperspectral and ASTER multispectral data in characterizing vegetation for water resources studies in arid lands; Geological Society of America, 2005 annual meeting, *Abstracts with Programs - Geological Society of America, 37*(7), 107.
Kodama, S., I. Takeda, and Y. Yamaguchi (2010), Mapping of hydrothermally altered rocks using the Modified Spectral Angle Mapper (MSAM) method and ASTER SWIR data, *International Journal of Geoinformatics, 6*(1), 41-53.
Kodama, S., A. Iwasaki, R. Nakamura, and Y. Yamaguchi (2006), Reflectance of the lunar surface inferred from ASTER lunar imagery.
Kodama, S., R. Nakamura, N. Yamamoto, H. Yamamoto, K. Iwao, M. Matsuoka, S. Tsuchida, and S. Sekiguchi (2007), Global Earth Observatory Grid (GEO Grid); development of an IT infrastructure for the earth science using satellite data, *Scientific Investigations Report, SIR 2007-5199*, 36-37.
Kodama, S., H. Yamamoto, N. Yamamoto, A. Kamei, R. Nakamura, K. Iwao, and S. Tsuchida (2010), Aster Digital Elevation Model and orthorectified images generated on the GEO Grid, paper presented at 2010 30th IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2010, July 25, 2010 - July 30, , Institute of Electrical and Electronics Engineers Inc, Honolulu, HI.
Kodikara, G. R. L., T. Woldai, F. J. A. van Ruitenbeek, Z. Kuria, F. van der Meer, K. D. Shepherd, and G. J. van Hummel (2012), Hyperspectral remote sensing of evaporate minerals 241

and associated sediments in Lake Magadi area, Kenya, *Int. J. Appl. Earth Obs. Geoinf., 14*(1), 22-32, doi:http://dx.doi.org/10.1016/j.jag.2011.08.009.
Koga, M. and A. Iwasaki (2011), Improving the Measurement Accuracy of Three-Dimensional Topography Changes Using Optical Satellite Stereo Image Data, *IEEE Transactions on Geoscience and Remote Sensing, 49*(8), 2918-2923.
Kohiyama, M. and F. Yamazaki (2005), Image fluctuation model for damage detection using middle-resolution satellite imagery, *Int. J. Remote Sens., 26*(24), 5603-5627.
Koizumi, K., Y. Ueno, C. Tanimoto, C. Piao, Z. Li, X. Wang, and Q. Guo (2008), Estimation of moisture movement in the ground around the Dunhuang Mogao Grottoes by satellite remote sensing, paper presented at -Canada Rock Mechanics Symposium 2008, June 29, 2008 - July 2, , Omnipress.
Kojima, T., K. Takara, and A. Masuda (2004), Development of Method for Identification of Flood Disaster Areas with High Resolution Interpolated Images, *Disaster Prevention Research Institute. Annuals. B, 47*(B), 203-209, doi:http://jairo.nii.ac.jp/db/detail-en?sid=0019/00096684.
Kojima, T., K. Takara, and Y. Tachikawa (2005), Effect of seasonal changes for identification of disaster areas with high spatial resolution satellite images, paper presented at 26th Asian Conference on Remote Sensing, ACRS 2005 and 2nd Asian Space Conference, ASC, November 7, 2005 - November 11, 2005, Ha Noi, Viet nam, , Asian Association on Remote Sensing.
Kokemuller, J. and A. Weisbecker (2009), Aster data management: Products and research, paper presented at 14th International Conference on Information Quality, ICIQ 2009, November 7, 2009 - November 8, 2009,Potsdam, Germany, , Massachusetts Institute of Technology. 242

Komatsu, T. (2006), Recent changes of landforms on and around debris-covered glaciers in the Sagarmatha (Everest) region, Khumbu Himal, paper presented at Annual Meeting of the Association of Japanese Geographers, Spring 2006, , Association of Japanese Geographers.
Komiya, T., H. Nakayama, and T. Shimaoka (2006), APPLICABLITY OF NDVI ON ESTIMATE OF STABILIZATION OF LARGE-SCALE LANDFILL, *Environmental Systems Research, 34*, 423-431.
Kopackova, V. (2007), Extrakce geologicke informace z dat DPZ. Geological information obtained by remote sensing, paper presented at 3. sjezd Ceske geologicke spolecnosti, Volary, CZE, Czech Republic, Sept. 19-22, 2007, , Ceska Geologicka Spolecnost, Prague, Czech Republic (CZE).
Kopackova, V., S. Chevrel, A. Bourguignon, and P. Rojik (2012), Mapping hazardous low-pH material in mining environment: Multispectral and hyperspectral aproaches, paper presented at 2012 IEEE International Geoscience and Remote Sensing Symposium (IGARSS), 22-27 July 2012, Munich, Germany, .
Kopackova, V., S. Chevrel, A. Bourguignon, and P. Rojik (2012), Application of high altitude and ground-based spectroradiometry to mapping hazardous low-pH material derived from the Sokolov open-pit mine, *Journal of Maps, 8*(3), 220-230, doi:http://dx.doi.org/10.1080/17445647.2012.705544.
Kopackova, V., M. Rajchl, D. Nyvlt, J. Sebesta, T. Hroch, and J. Vit (2008), Detection of changes in the Chira and Piura lower-catchment's areas, Sechura Desert, Peru, based on spatial and spectral analyses of multitemporal Earth observation data, *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 33*, @Abstract 1343281.
Kopackova, V., S. Shevrel, A. Bourguignon, and M. Rajchl (2008), Spectral mineral mapping utilizing high altitude and ground-based spectroradiometry; case studies from Sokolov open-pit mine, Czech Republic, and Sechura desert, Peru, *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 33*, @Abstract 1343337. 243

Korona, J., E. Berthier, M. Bernard, F. Remy, and E. Thouvenot (2009), SPIRIT. SPOT 5 stereoscopic survey of Polar Ice: Reference Images and Topographies during the fourth International Polar Year (2007-2009), *ISPRS Journal of Photogrammetry and Remote Sensing, 64*(2), 204-212.
Koruyan, K., A. H. Deliormanli, Z. Karaca, M. Momayez, H. Lu, and E. Yalcin (2012), Remote sensing in management of mining land and proximate habitat, *SAIMM J S Afr Inst Min Metall, 112*(7), 667-672, doi:http://www.saimm.co.za/Journal/v112n07p667.pdf.
Kotarba, A. Z. (2010), Estimation of fractional cloud cover for Moderate Resolution Imaging Spectroradiometer/Terra cloud mask classes with high-resolution over ocean ASTER observations, *Journal of Geophysical Research-Atmospheres, 115*, D22210, doi:10.1029/2009JD013520.
Kotlyakov, V. M., T. E. Khromova, N. M. Zverkova, L. P. Chernova, and G. A. Nosenko (2011), Two new glacier systems in northeastern Eurasia, *Doklady Earth Sciences, 437*(1), 374-379, doi:http://dx.doi.org/10.1134/S1028334X11030056.
Kotlyakov, V. M., A. M. Dyakova, V. S. Koryakin, V. I. Kravtsova, G. B. Osipova, G. M. Varnakova, V. N. Vinogradov, O. N. Vinogradov, and N. M. Zverkova (2010), Glaciers of the former Soviet Union, *U.S.Geological Survey Professional Paper, P 1386-F*, F1-F125.
Kotlyakov, V. M. and G. A. Nosenko (2001), Khod rabot po proyektu GLIMS v Moskovskom regional'nom tsentre obrabotki dannykh (RC 16). Course of operations under GLIMS project in Moscow Regional Data-Processing Centre (RC 16), *Materialy Glyatsiologicheskikh Issledovaniy, 91*, 254-260.
Kotlyakov, V. M. and G. A. Nosenko (2001), O mezhdunarodnom proyekte "Global'nyy monitoring lednikov iz kosmosa" i Moskovskom regional'nom tsentre obrabotki dannykh. International program "Global monitoring of glaciers from space" and Moscow Regional Data-Processing Center, *Materialy Glyatsiologicheskikh Issledovaniy, 91*, 121-124. 244

Kotlyakov, V. M., G. A. Nosenko, G. B. Osipova, A. S. Khomidov, and D. G. Tsvetkov (2008), Kosmicheskiy monitoring podvizhki lednika Geograficheskogo Obshchestva na Pamire. Satellite monitoring of the Geographical Society's Glacier movements in the Pamirs, *Materialy Glyatsiologicheskikh Issledovaniy, 105*, 145-148.
Kotlyakov, V. M., G. B. Osipova, and D. G. Tsvetkov (2010), Glaciers of the former Soviet Union; investigations of the fluctuations of surge-type glaciers in the Pamirs based on observations from space modified, *U.S.Geological Survey Professional Paper, P 1386-F*, F77-F93.
Kouchi, K. and F. Yamazaki (2007), Characteristics of tsunami-affected areas in moderate-resolution satellite images, *IEEE Trans. Geosci. Remote Sens., 45*(6), 1650-1657.

KOUCHI, K., F. YAMAZAKI, M. MATSUOKA, and author_in_Japanese (2005), DETECTION OF TSUNAMI DAMAGED AREAS IN SOUTH THAILAND USING REMOTE SENSING DATA, *Environmental Systems Research, 28*, 226-226, doi:https://www.jstage.jst.go.jp/article/proee2005/28/0/28_0_226/_article.
Kouli, M., C. Loupasakis, P. Soupios, and F. Vallianatos (2010), Landslide hazard zonation in high risk areas of Rethymno Prefecture, Crete Island, Greece, *Nat. Hazards, 52*(3), 599-621, doi:10.1007/s11069-009-9403-2.
Kourti, N., I. Shepherd, G. Schwartz, and P. Pavlakis (2001), Integrating spaceborne SAR imagery into operational systems for fisheries monitoring, *Canadian Journal of Remote Sensing, 27*(4), 291-305.
Koutsias, N., G. Mallinis, M. Pleniou, I. Voukelatou, T. Paschali, and P. Dimopoulos (2011), Object-based classification using a synergy of high spatial (IKONOS) and high spectral (ASTER) satellite data in a rural NATURA 2000 deltaic area, paper presented at 2nd International Conference on Space Technology, ICST 2011, September 15, 2011 - September 17, 2011, , IEEE Computer Society, Athens, Greece. 245

Kratt, C., M. Coolbaugh, and W. Calvin (2003), Possible extension of Brady's fault identified using remote mapping techniques, paper presented at International Collaboration for Geothermal Energy in the Americas - Geothermal Resources Counsil: 2003 Annual Meeting, Oct 12-15 2003, , Geothermal Resources Council, Davis, United States.
Kratt, C., M. Coolbaugh, and W. Calvin (2006), Remote detection of quaternary borate deposits with ASTER satellite imagery as a geothermal exploration tool, paper presented at GRC 2006 Annual Meeting: Geothermal Resources-Securing Our Energy Future, , Geothermal Resources Council, Davis, CA 95617-1350, United States.
Kratt, C. B. (2005), Geothermal exploration with remote sensing from 0.45--2.5 mum over Brady-Desert Peak, Churchill County, Nevada, *MAI, 44*(01), 110-282.
Kratt, C., W. M. Calvin, and M. F. Coolbaugh (2010), Mineral mapping in the Pyramid Lake basin: Hydrothermal alteration, chemical precipitates and geothermal energy potential, *Remote Sens. Environ., 114*(10), 2297-2304, doi:10.1016/j.rse.2010.05.006.
Kraus, C. (2006), Generacion de mapa geologico detallado de peninsula Antartica con metodos de sensores remotos. Detailed geological mapping of the Antarctic Peninsula using remote sensing methods, paper presented at II simposio latinoamericano de investigaciones antarticas; VI reunion chilena de investigacion antartica, Concepcion, Chile, Aug. 16-18, 2006, .
Kraus, C. (2007), Generation of a detailed geological map of the Antarctic Peninsula applying remote sensing methods; Antarctica; a keystone in a changing world; online proceedings for the Tenth international symposium on Antarctic earth sciences, *U.S. Geological Survey Open File Report, OF 2007-1047*, @Extended Abstract 189.
Kraus, T., M. Schmidt, S. W. Dech, and C. Samimi (2009), The potential of optical high resolution data for the assessment of leaf area index in East African rainforest ecosystems, *Int. J. Remote Sens., 30*(19), 5039-5059, doi:10.1080/01431160903022878. 246

Kristensen, L. and D. I. Benn (2012), A surge of the glaciers Skobreen-Paulabreen, Svalbard, observed by time-lapse photographs and remote sensing data, *Polar Res., 31*, 11106, doi:http://dx.doi.org/10.3402/polar.v31i0.11106.
Kropaacek, J. and V. Hochschild (2009), Parametrization of integrated hydrological model of Nam Co lake catchment on Tibetan Plateau using synergy of SAR and optical data, paper presented at Geoscience and Remote Sensing Symposium,2009 IEEE International,IGARSS 2009, , IEEE, Cape Town, South Africa.
Kruse, F. A. (1992), Geologic remote sensing; new technology, new information, paper presented at International space year; space remote sensing; 12th annual international geoscience and remote sensing symposium, Houston, TX, United States, May 26-29, 1992, , Institute of Electrical and Electronics Engineers, New York, NY, United States (USA).
Kruse, F. A. (2005), ASTER Multispectral Mapping Improvements Through Integration and Spectral-Spatial Scaling of HSI Data; Monthly Report December 2005, 87.
Kruse, F. A. (2005), ASTER Multispectral Mapping Improvements Through Integration and Spectral-Spatial Scaling of HSI Data; Monthly Report, November 2005, 1-18.

Kruse, F. A. and E. (. LeDrew (2002), Combined SWIR and LWIR mineral mapping using MASTER/ASTER, paper presented at Remote sensing; integrating our view of the planet; Internatioanl Geoscience and Remote Sensing Symnposium (IGARSS); 24th Canadian symposium on Remote sensing, Toronto, ON, Canada, June 24-28, 2002, , Institute of Electrical and Electronics Engineers, New York, NY, United States (USA), Toronto, Canada.
Kruse, F. A., J. V. Taranik, W. M. Calvin, J. Michaels, E. F. Littlefield, M. Coolbaugh, and B. A. Martini (2011), Characterization of hydrothermal systems using simulated HyspIRI data, paper presented at IEEE Aerospace Conference, 2011, , IEEE Computer Society, Big Sky, MT. 247

Kruse, F. A. (1999), Visible-infrared sensors and case studies, in *Remote sensing for the earth sciences,* , vol. 3, edited by A. N. Rencz et al, United States (USA), John Wiley & Sons, New York, NY, United States (USA).
Kruse, F. A. (2007), Improving multispectral mapping by spectral modeling with hyperspectral signatures, paper presented at Algorithms and Technologies for Multispectral, Hyperspectral, and Ultraspectral Imagery XIII, , SPIE, Bellingham WA, WA 98227-0010, United States.
Kruse, F. A. and S. L. Perry (2007), Regional mineral mapping by extending hyperspectral signatures using multispectral data, paper presented at 2007 IEEE Aerospace Conference, , Institute of Electrical and Electronics Engineers Computer Society, Piscataway, NJ 08855-1331, United States.
Kruse, F. A. and S. L. Perry (2009), Improving multispectral mapping by spectral modeling with hyperspectral signatures, *Journal of Applied Remote Sensing, 3*, 033504, doi:10.1117/1.3081548.
Ku, J., D. Butler, L. Ottenstein, T. Swanson, and A. Fitzkee (2000), CPL Applications on the EOS-TERRA Spacecraft, paper presented at Two-Phase Thermal Control Technology; 6-7 Jul. 2000; Noordwijk; Netherlands, , European Space Agency. European Space Research and Technology Center, ESTEC; Noordwijk, Netherlands, Noordwijk Netherlands Netherlands.
Kudo Masahiko, K. M. , Takahashi Fumiho, and O. K. (1996), Development Status of EOS -AM1/ ASTER System.
Kudo Masahiko and K. H. (1994), Summary of EOS ASTER . *IEIC Technical Report (Institute of Electronics, Information and Communication Enginners, 93,NO.484(SANE93 89-100)*, PAGE.75-80.
Kudo Masahiko, K. H. , Ogikubo Kazuhiro, Narimatsu Yoshihito, Takahashi Fumiho, Mase Ichiro, Watanabe Akihito, and T. S. (1993), Preliminary Design of ASTER . 248

Kudo Masahiko, Ogi Nagamitsu, Sato Takashi, and F. M. (2003), Heritage of ASTER Instrument On Orbit Performance, *IEIC Technical Report (Institute of Electronics, Information and Communication Engineers, 103,NO.156(SANE2003 23-36)*, PAGE.55-60.
Kudoh M, Ohgi N, Sato T, and F. M. (2004), Heritage of ASTER Instrument On Orbit Performance.
Kuenzer, C., C. Hecker, J. Zhang, S. Wessling, and W. Wagner (2008), The potential of multidiurnal MODIS thermal band data for coal fire detection, *Int. J. Remote Sens., 29*(3), 923-944.
Kuenzer, C., J. Zhang, J. Li, S. Voigt, H. Mehl, and W. Wagner (2007), Detecting unknown coal fires: Synergy of automated coal fire risk area delineation and improved thermal anomaly extraction, *Int. J. Remote Sens., 28*(20), 4561-4585.
Kuhn, S. S. and M. S. Ramsey (2004), Characterizatin of dome processes at Soufriere Hills volcano, Montserrat; synthesis of infrared remote sensing data with a multi-parameter database, *Program with Abstracts - Geological Association of Canada; Mineralogical Association of Canada: Joint Annual Meeting, 29*, 314.
Kuhn, S. S. (2003), Characterization of dome processes at Soufriere Hills Volcano, Montserrat; synthesis of infrared remote sensing data with a multi-parameter database,.
Kuhn, S. S. and M. Ramsey (2002), Monitoring the surface changes and growth of the Soufriere Hills lava dome; thermal infrared analyses of field and spaceborne data; AGU 2002 fall meeting, *EOS Trans. Am. Geophys. Union, 83*(47), 1474.
Kumar, A., V. K. Dadhwal, and S. K. Ghosh (2006), Study of sub-pixel classification algorithms for high dimensionality data set, paper presented at 2006 IEEE International Geoscience and Remote Sensing Symposium, IGARSS, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States. 249

Kumar, H., H. Yahia, and D. Singh (2011), A detailed analysis of multi-sensor fusion of moderate resolution imaging spectroradiometer, paper presented at 19th European Signal Processing Conference, EUSIPCO 2011, August 29, 2011 - September 2, 2011, Barcelona, Spain, , European Signal Processing Conference, EUSIPCO.

Kumar, M., G. Bhatt, P. Beeson, and C. Duffy (2006), Automated Detection and Spatio-Temporal Classification of Channel Reaches in Semi-arid Southwestern US Using ASTER,.
Kumar, S. K., M. C. Shashikumar, and E. Sivasankar (2010), Spatial interpolation of air temperature in Himalayas, paper presented at International Conference on "Recent Advances in Space Technology Services and Climate Change - 2010", RSTS and CC-2010, November 13, 2010 - November 15, , IEEE Computer Society, Chennai, India.
Kumpula, T., B. C. Forbes, and F. Stammler (2010), Remote Sensing and Local Knowledge of Hydrocarbon Exploitation: The Case of Bovanenkovo, Yamal Peninsula, West Siberia, Russia, *Arctic, 63*(2), 165-178.
Kumpula, T., B. C. Forbes, F. Stammler, and N. Meschtyb (2012), Dynamics of a coupled system: Multi-resolution remote sensing in assessing social-ecological responses during 25 years of gas field development in Arctic Russia, *Remote Sensing, 4*(4), 1046-1068, doi:http://dx.doi.org/10.3390/rs4041046.
Kunii, D., K. Imai, and G. Saito (2008), Relationships between land use and river nutrients in northern region of Japan using remote senseing and GIS, paper presented at 29th Asian Conference on Remote Sensing 2008, ACRS 2008, November 10, 2008 - November 14, 2008, Colombo, Sri Lanka, , Asian Association on Remote Sensing.
Kunii, D., G. Saito, M. Saigusa, T. Ito, and K. Suzuki (2007), Analysis for relationship between the land use of the watersheds and the marine nutrients in the rivers using remote sensing and GIS, paper presented at 28th Asian Conference on Remote Sensing 2007, ACRS 2007, November 12, 2007 - November 16, 2007, Kuala Lumpur, Malaysia, , Asian Association on Remote Sensing. 250

KUNTE, P. D., J. T. S. SUMANTYO, and L. BAYUAJI A. (2006), Relationship between radar response and geomorphic characteristics of the Gulf of Khambat, west coast, India.
Kunz, M., M. A. King, J. P. Mills, P. E. Miller, A. J. Fox, and D. G. Vaughan (2011), Glacier volume change in the Antarctic Peninsula from USGS/BAS archive imagery and ASTER data, *American Geophysical Union Fall Meeting, 2011*, Abstract C21C-06, doi:http://www.agu.org/cgi-bin/SFgate/SFgate?language=English&verbose=0&listenv=table&application=fm11&convert=&convert hl=&refinequery=&formintern=&formextern=&transquery=an%3dc21c&_lines=&multiple=0&descripto r=%2fdata%2fepubs%2fwais%2findexes%2ffm11%2ffm11%7c.
Kunz, M., M. A. King, J. P. Mills, P. E. Miller, A. J. Fox, D. G. Vaughan, and S. H. Marsh (2012), Multi-decadal glacier surface lowering in the Antarctic Peninsula, *Geophys. Res. Lett., 39*(19), L19502, doi:http://dx.doi.org/10.1029/2012GL052823.
Kuo, Y., F. Ayoub, J. Avouac, S. Leprince, Y. Chen, J. H. Shyu, and Y. Kuo (2005), Co-seismic horizontal ground slips of 1999 Chi-chi earthquake (Mw 7.6) deduced from image-comparison of satellite SPOT and aerial photos, *EOS Trans. Am. Geophys. Union, 86*(52, Suppl.), @Abstract T41B-1301.
Kurczyn Robledo, J. A., T. Kretzschmar, and A. Hinojosa Corona (2006), Evaluacion del escurrimiento superficial en el noreste del valle de Guadalupe, B. C., Mexico, usando el metodo de curvas numeradas y datos de satelite. Runoff evaluation in northeastern Guadalupe Valley, Baja California, Mexico, utilizing the breakthrough curve method and satellite data, *Revista Mexicana de Ciencias Geologicas, 24*(1), 1-14.
Kurczyn-Robledo, J. A., T. Kretzschmar, and A. Hinojosa-Corona (2006), Surface runoff evaluation in the northeastern Valle de Guadalupe, B. C., Mexico, using the curve number method and satellite data, *Revista Mexicana De Ciencias Geologicas, 24*(1), 1-14.
Kuria, Z. N., T. Woldai, F. D. van der Meer, and J. O. Barongo (2010), Active fault segments as potential earthquake sources; inferences from integrated geophysical mapping of the 251

Magadi fault system, southern Kenya Rift, *J. Afr. Earth Sci., 57*(4), 345-359, doi:10.1016/j.jafrearsci.2009.11.004.
Kuroki, T., N. Iso, and K. Goto (2008), Classification of NDVI change and related landform of Unzen volcano, paper presented at Proceedings of the General Meeting of the Association of Japanese Geographers, , Association of Japanese Geographers.
Kurucu, Y., U. Altinbas, H. Uysal, M. Bolca, M. T. Esetlili, F. Ozen, G. Yonter, N. Ozden, G. Yolcu, H. Karakurt, and N. Altun (2011), Creating Potential Erosion Risk Map of the Karaburun Peninsula by Geographical Information System and Remote Sensing Technique, *J. Environ. Prot. Ecol., 12*(2), 488-501.

Kurucu, Y. and N. K. Chiristina (2008), Monitoring the impacts of urbanization and industrialization on the agricultural land and environment of the Torbali, Izmir region, Turkey, *Environ. Monit. Assess., 136*(1-3), 289-297.
Kuscu, I., N. Kaymakci, and M. L. Suzen (2005), Demiroksit-bakir altin (DOBA) tipi yataklarin uzaktan algilama yontemleriyle haritalanmasi; Hasancelebi-Hekimhan (Malatya) ornegi--Mapping of ironoxide-copper-gold (IOCG) type mineral occurrences using remote sensing; Hasancelebi-Hekimhan (Malatya) as a case study, *Turkiye Jeoloji Kurultayi Bildiri Ozleri = Abstract of the Geological Congress of Turkey, 58*, 219-220.
Kushida, K. (2010), Detection of Active Wildland Fires Using Multitemporal MODIS Images, *Ieee Geoscience and Remote Sensing Letters, 7*(2), 301-305, doi:10.1109/LGRS.2009.2034029.
Kustas, W. P., J. H. Prueger, K. S. Humes, and P. J. Starks (1999), Estimation of surface heat fluxes at field scale using surface layer versus mixed-layer atmospheric variables with radiometric temperature observations, *J. Appl. Meteorol., 38*(2), 224-238.
Kustas, W. P. and J. M. Norman (2000), Evaluating the effects of subpixel heterogeneity on pixel average fluxes (in satellite remote sensor data), *Remote Sens. Environ., 74*(3), 327-342. 252

Kusumi, H., H. Watanabe, and Y. Morimoto (2007), Analytical evaluation of slope failure location using ASTER image data, *Zairyo, 56*(9), 833-838.
Kutuzov, S. S. (2012), Change of glaciers area and volume in the Terskey Alatau Range during second half of the 20th century, *Led i Sneg = Ice and Snow, 117*, 5-14.
Kutuzov, S. (2007), The recent climate change and glaciers retreat in the Tien Shan mountains, Central Asia,.
Kutuzov, S. and M. Shahgedanova (2008), Glacier retreat and climatic variability in the eastern Terskey-Alatoo, inner Tien-Shan between the middle of the 19th century and beginning of the 21st century, *Geophysical Research Abstracts, 10*, EGU2008-A-00718.
Kutuzov, S. (2007), Variability in the extent of glaciers in response to climatic fluctuations in the Central Tien-Shan Mountains since late XIX century, paper presented at Earth; our changing planet; proceedings of IUGG XXIV general assembly , Perugia, ITA, Italy, July 2-13, 2007, , IUGG, [location varies], International (III).
Kutuzov, S. and M. Shahgedanova (2009), Glacier retreat and climatic variability in the eastern Terskey-Alatoo, inner Tien Shan between the middle of the 19th century and beginning of the 21st century, *Global Planet. Change, 69*(1-2), 59-70, doi:10.1016/j.gloplacha.2009.07.001.
Kuwahara, Y., T. Kimura, T. Koyanagi, and A. Okamoto (2004), Estimation of Time Series Change on Surficial Distribution of Green Tracts of Land: Vicinity of Mito City, Ibaraki Prefecture, *Papers on Environmental Information Science, 18*(SPACE), 131-136.
Kwarteng, A., P. Homewood, and M. Mettraux (2005), Remote sensing of the modern carbonate system of the Bar Al Hikman Peninsula, Oman, paper presented at 2005 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2005, Jul 25-29 2005, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States. 253

Kyakuno, T. (2008), Quantitative Representation of Distribution and Mixture of Urban Land Use Through Spatial Autocorrelation and Information Entropy, *Journal of Asian Architecture and Building Engineering, 7*(2), 427-434.
Kyer, J. A. (2010), An investigation of the environmental changes in the Goksu Valley, Turkey in antiquity, 68.
Kyriacos, T., H. G. Diofantos, A. Retalis, and N. Chrysoulakis (2010), Accuracy assessment of atmospheric correction algorithms using sunphotometers (AERONET), LIDAR system and in-situ spectroradiometers, paper presented at Remote Sensing of Clouds and the Atmosphere XV, September 21, 2010 - September 23, , SPIE, Toulouse, France.
Laake, A. and M. Insley (2004), Using satellite imagery aids seismic surveys in planning, acquisition and processing, *World Oil, 225*(9), 27-33.
Lai, K., Y. Chen, L. Chung, P. Li, and D. Lam (2006), Quaternary basin formation along the Dien Bien Phu fault zone and its neotectonic implication of northwestern Vietnam, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
Lai, K., Y. Chen, and D. Lam (2007), Implications of river morphology response to Dien Bien Phu Fault in NW Vietnam, *EOS Trans. Am. Geophys. Union, 88*(52, Suppl.), @Abstract T31G-05.

Lai, K., Y. Chen, L. Chung, and D. D. Lam (2006), Active tectonics and Quaternary basin formation along the Dien Bien Phu fault zone, northwestern Vietnam, *EOS Transactions, American Geophysical Union, 87*.
Lai, K., Y. Chen, and D. D. Lam (2012), Pliocene-to-present morphotectonics of the Dien Bien Phu fault in northwest Vietnam, *Geomorphology, 173*, 52-68, doi:http://dx.doi.org/10.1016/j.geomorph.2012.05.026.
Lakshmi KantaKumar, N., N. G. Sawant, and S. Kurmar (2011), Forecasting urban growth based on GIS, RS and SLEUTH model in Pune metropolitan area, *International Journal of* 254

Geomatics and Geosciences, 2(2), 568-579, doi:http://www.ipublishing.co.in/jggsvol1no12010/voltwo/EIJGGS3048.pdf.
Lambros, S. (2002), Technical Support for EOS ASTER Instrument,.
Lammoglia, T. and C. R. de Souza Filho (2012), Mapping and characterization of the API gravity of offshore hydrocarbon seepages using multispectral ASTER data, *Remote Sens. Environ., 123*, 381-389, doi:http://dx.doi.org/10.1016/j.rse.2012.03.026.
Lammoglia, T., C. R. de Souza Filho, and R. Almeida Filho (2007), Caracterizacao de microexsudacoes de hidrocarbonetos na Bacia do Tucano Norte (BA) por geoestatistica, classificacao hiperespectral e redes neurais: Characterization of hydrocarbon microseepages in the Tucano Norte Basin (BA) using geostatistics, hyperspectral classification and neural network analysis, *Revista Brasileira de Geociencias, 37*(4), 798-811, doi:http://ojs.c3sl.ufpr.br/ojs2/index.php/rbg/article/view/11446/7966.
Lammoglia, T. and C. R. d. S. Filho (2011), Spectroscopic characterization of oils yielded from Brazilian offshore basins: Potential applications of remote sensing, *Remote Sens. Environ., 115*(10), 2525-2535.
Lammoglia, T., C. R. Souza Filho, and R. Almeida Filho (2008), Deteccao de microexsudacoes de hidrocarbonetos na bacia do Tucano Norte (BA) por sensoriamento remoto orbital e modelagem espacial. Detection of hydrocarbon microseeps in the Tucano Norte Subbasin (Bahia), from orbital remote sensing and space modelling, paper presented at Sociedade Brasileira de Geologia; 44 degrees congresso, Curitiba, Brazil, Oct. 26-31, 2008/ Geological Society of Brazil; annals of the 44th congress, , Sociedade Brasileira de Geologia, Porto Alegre, Brazil (BRA).
Lamparelli, R. A. C., L. Nery, and J. V. Rocha (2011), Coffee Crop Mapping using Principal Component Analysis and Illumination Factor for Complex Relief, *Eng. Agric., 31*(3), 584-597, doi:http://dx.doi.org/10.1590/S0100-69162011000300018. 255

Lampkin, D. J. (2005), Optical remote sensing for monitoring evolution of ablation season mountain snow cover, *DAI, 66*(02A), 232-710.
Lampkin, D. J. and S. R. Yool (2004), Monitoring mountain snowpack evolution using near-surface optical and thermal properties, *Hydrol. Process., 18*(18), 3527-3542.
Lamsal, D., T. Sawagaki, and T. Watanabe (2011), Digital terrain modelling using Corona and ALOS PRISM data to investigate the distal part of Imja Glacier, Khumbu Himal, Nepal, *Journal of Mountain Science, 8*(3), 390-402, doi:10.1007/s11629-011-2064-0.
Laneve, G., M. M. Castronuovo, and E. G. Cadau (2006), Assessment of the fire detection limit using SEVIRJ/MSG sensor, paper presented at 2006 IEEE International Geoscience and Remote Sensing Symposium, IGARSS, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Laneve, G., E. Cadau, F. Ferrucci, R. Rongo, A. Guarino, G. Fortunato, B. Hirn, C. Di Bartola, L. Iavarone, and R. Loizzo (2012), SIGRI - an Integrated System for Detecting, Monitoring, Characterizing Forest Fires and Assessing damage by LEO-GEO Data, *Ital. J. Remote Sens., 44*(1), 19-25, doi:http://dx.doi.org/10.5721/ItJRS20124412.
Laneve, G., B. Hirn, C. Di Bartola, and F. Ferrucci (2010), Maximizing the detection and mapping of minimal area burn scars with a multi-payload multi-method automated approach: Application to summer fire seasons in Italy, paper presented at 2010 30th IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2010, July 25, 2010 - July 30, , Institute of Electrical and Electronics Engineers Inc, Honolulu, HI.
Lang, H. (1999), ASTER Digital Elevation Models [Algorithm Theoretical Basis Document for:] Version 3.0, *JPL-D-13751*, 1-73.
Lang, H. R., R. Welch, Y. Miyazaki, B. Bailey, and G. Kelly (1996), The ASTER along-track stereo experiment - A potential source of global DEM data in the late 1990's, paper presented 256

at Infrared spaceborne remote sensing IV; Proceedings of the Conference, Denver, CO; UNITED STATES; 6-7 Aug. 1996, , Society of Photo-Optical Instrumentation Engineers.
Lang, N. P. and M. G. Abdelsalam (2002), Geologic mapping in arid regions with ASTER data; an example from NW Arizona; Geological Society of America, South-Central Section, 36th annual meeting, *Abstracts with Programs - Geological Society of America, 34*(3), 4.
Langenberg, H. (2009), News & Views: Cartography: Terra cognita, *Nature Geoscience, 2*(9), 542-542, doi:doi:10.1038/ngeo603.
Lanorte, A., M. Danese, R. Lasaponara, and B. Murgante (2013), Multiscale mapping of burn area and severity using multisensor satellite data and spatial autocorrelation analysis, *International Journal of Applied Earth Observation and Geoinformation, 20*, 42-51, doi:http://dx.doi.org/10.1016/j.jag.2011.09.005.
Lanorte, A., F. De Santis, A. Aromando, and R. Lasaponara (2012), Low cost pre-operative fire monitoring from fire danger to severity estimation based on satellite MODIS, Landsat and ASTER data: The experience of FIRE-SAT project in the Basilicata Region (Italy), paper presented at 12th International Conference on Computational Science and Its Applications, ICCSA 2012, June 18, 2012 - June 21, 2012, Salvador de Bahia, Brazil, , Springer Verlag.
Laoufi, F., A. Belbachir, N. Benabadji, and A. Zanoun (2011), A new method of mapping the region of Oran (Algeria) using multispectral remote sensing, *C. R. Geosci., 343*(10), 653-663, doi:http://dx.doi.org/10.1016/j.crte.2011.09.001.
Lapazaran, J., M. Petlicki, F. J. Navarro, F. Macho, and P. Glowacki (2007), Radio-echo sounding and ice volume changes of Ariebreen, Hornsund, Spitsbergen, paper presented at Earth: Our Changing Planet. Proceedings of IUGG XXIV general assembly, Perugia, ITA, Italy, July 2-13, 2007, , IUGG, [location varies], International (III).
Larsen, I. J. and D. R. Montgomery (2009), Does landslide erosion keep pace with exhumation of the Tsangpo Gorge? *Abstracts with Programs - Geological Society of America, 41*(7), 300. 257

Larsen, M., C. Tottrup, E. Matzler, B. Naamansen, D. Petersen, and K. Thorsoe (2013), A satellite perspective on jokulhlaups in Greenland, *Hydrology Research, 44*(1), 68-77, doi:http://dx.doi.org/10.2166/nh.2012.195.
Larson, K. P., L. Godin, W. J. Davis, and D. W. Davis (2010), Out-of-sequence deformation and expansion of the Himalayan orogenic wedge; insight from the Changgo culmination, south-central Tibet, *Tectonics, 29*(4), TC4013, doi:http://dx.doi.org/10.1029/2008TC002393.
Lasaponara, R. and A. Lanorte (2007), Remotely sensed characterization of forest fuel types by using satellite ASTER data, *International Journal of Applied Earth Observation and Geoinformation, 9*(3), 225-234.
Lasaponara, R. and A. Lanorte (2006), Multiscale fuel type characterization by using multisensor remote sensing data for the Mediterranean ecosystems of southern Italy, paper presented at 3rd Biennial Meeting of the International Environmental Modelling and Software Society: Summit on Environmental Modelling and Software, iEMSs 2006, July 9, 2006 - July 13, 2006, Burlington, VT, , iEMSs Secretariat c/- IDSIA.
Lasaponara, R. and A. Lanorte (2007), Remotely sensed characterization of forest fuel types by using satellite ASTER data, *EOS, Transactions, American Geophysical Union, 9; 88*(52, Suppl. Volume 1-2), 225-234, doi:DOI: 10.1016/j.jag.2006.08.001.
Lasaponara, R. and N. Masini (2012), Investigating satellite Landsat TM and ASTER multitemporal data set to discover ancient canals and acqueduct systems, paper presented at 12th International Conference on Computational Science and Its Applications, ICCSA 2012, June 18, 2012 - June 21,2012, Salvador de Bahia, Brazil, , Springer Verlag.
Lasher-Trapp, S. and J. P. Stachnik (2007), Giant and ultragiant aerosol particle variability over the eastern Great Lakes region, *Journal of Applied Meteorology and Climatology, 46*(5), 651-659. 258

Laton, R., T. Al Harbi, W. A. Sauck, J. Foster, M. Sultan, A. Milewski, P. Marsala, R. Balekai, and H. Salim (2009), Use of geophysical and remote sensing data for a better understanding of the hydrologic role of faults in the Mojave Desert, *Abstracts with Programs - Geological Society of America, 41*(7), 492.
Lau, I. C., T. J. Cudahy, M. C. Caccetta, C. Kobayashi, O. Kashimura, M. Kato, G. A. Wheaton, and D. J. Carter (2012), Mapping surface soil mineralogy using hyperspectral and ASTER imagery: An example from Mullewa, Western Australia, paper presented at 5th Global Workshop on Digital Soil Mapping, April 10, 2012 - April 13, , Taylor & Francis - Balkema.

Laukamp, C., J. S. Cleverley, T. Cudahy, R. Hewson, M. Jones, N. Oliver, and M. Thomas (2008), Validation of spectral remote sensing data for geological mapping and detection of hydrothermal footprints in the Mount Isa Inlier (final report and database), *F6*, 1-61.
Laukamp, C., M. Caccetta, S. Collings, T. Cudahy, M. Thomas, C. Ong, and M. Haest (2012), Continent-scale mineral information from ASTER multispectral satellite data, paper presented at 2012 IEEE International Geoscience and Remote Sensing Symposium (IGARSS), 22-27 July 2012, Munich, Germany, .
Laukamp, C. (2008), Validation of spectral techniques for exploration in the Mt Isa Terrane, *M4, M9, F6*, 89-94.
Lavrent'yev, I. I. (2008), Izmeneniya struktury i dinamiki lednika Frit'of na shpitsbergene za posledniye 70 let po dannym distantsionnykh issledovaniy. Structural change and dynamics of the Fritjof Glacier in Svalbard during the last 70 years from remote sensing data, *Vestnik Moskovskogo Universiteta, Seriya 5: Geografiya, 2008*(6), 45-50.
Lawrie, K., C. Pain, S. Rogers, and R. Creswell (2008), Geoscience; a critical component underpinning evidence-based decision making in natural resource management; *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 33*, Abstract 1340006. 259

Lazzarini, M., P. R. Marpu, and H. Ghedira (2012), Land cover and Land Surface Temperature interactions in desert areas: A case study of Abu Dhabi (UAE), paper presented at 2012 IEEE International Geoscience and Remote Sensing Symposium (IGARSS), 22-27 July 2012, Munich, Germany, .
Lazzarini, M., P. R. Marpu, and H. Ghedira (2013), Temperature-land cover interactions: The inversion of urban heat island phenomenon in desert city areas, *Remote Sens. Environ., 130*, 136-152, doi:http://dx.doi.org/10.1016/j.rse.2012.11.007.
Le Gall, B., M. A. Daoud, J. Rolet, and N. M. Egueh (2011), Large-scale flexuring and antithetic extensional faulting along a nascent plate boundary in the SE Afar Rift, *Terra Nova, 23*(6), 416-420, doi:http://dx.doi.org/10.1111/j.1365-3121.2011.01029.x.
Leach, J. (2009), Geomorphic mapping of shallow marine sanctuary areas; a case study from Rickett's Point, *Programme with Abstracts - International Geomorphology Conference, 7*, @Abstract no. 698.
LEE, J. and J. PARK (2006), Combining Digital Topographic Maps for DEM Extraction from ASTER Stereo Imagery.
Lee, R. B. I., B. R. Barkstrom, H. C. Bitting, D. A. H. Crommelynck, J. Paden, D. K. Pandey, K. J. Priestley, G. L. Smith, S. Thomas, K. L. Thornhill, and R. S. Wilson (1998), Prelaunch calibrations of the Clouds and the Earth's Radiant Energy System (CERES) Tropical Rainfall Measuring Mission and Earth Observing System morning (EOS-AM1) spacecraft thermistor bolometer sensors, *IEEE Trans. Geosci. Remote Sens., 36*(4), 1173-1185.
Lee, S., S. Kang, J. Kim, and D. Lee (2006), Estimating temporal pattern of surface soil moisture content in Gwangneung forest using MODIS data, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
Leff, C. (2000), ASTER Level 1 Data Products Specification (GDS Version),. 260

Lei, S. and Z. Bian (2010), Estimating soil temperature at given depth based on RS image and heat conduction model, paper presented at 2010 International Conference on Multimedia Technology, ICMT 2010, October 29, 2010 - October 31, , IEEE Computer Society, Ningbo, China.
Leibee, J. (2001), One size fits all [scientific achievements of TERRA satellite], paper presented at Sensors, Systems, and Next-Generation Satellites IV, 25-28 Sept. 2000, , SPIE-Int. Soc. Opt. Eng.
Lein, J. K. (2004), Assessing the applicability of satellite imagery for environmental monitoring and regulatory compliance assessment, *Int. J. Environ. Technol. Manage., 4*(1-2), 157-173.
Leipard, D. L. and J. C. Hickey (2004), Using remote sensing to determine the environmental impact of volcanic extrusive products at Arenal Volcano and Poas Volcano, Costa Rica; Geological Society of America, 2004 annual meeting, *Abstracts with Programs - Geological Society of America, 36*(5), 78.
Lenzano, M. G., J. C. Leiva, and L. E. Lenzano (2010), Recent variation of the Las Vacas Glacier Mt. Aconcagua region, Central Andes, Argentina, based on ASTER stereoscopic images, *Advances in Geosciences, 22*, 185-189.
Leprince, S., E. Berthier, F. Ayoub, C. Delacourt, and J. Avouac (2007), Monitoring Earth Surface Dynamics With Optical Imagery, *EOS Transactions, American Geophysical Union, 88*(52,; Suppl. Volume 1-2).

Leprince, S., F. Ayoub, Y. Klinger, and J. Avouac (2008), Co-Registration of Optically Sensed Images and Correlation (COSI-Corr): An operational methodology for ground deformation measurements, paper presented at 2007 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2007, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States. 261

Lertlum, S. and M. Shibayama (2009), Application of Geo-Informatics to the Study of the Royal Road from Angkor to Phimai, *South East Asian Studies, 46*(4), 547-563, doi:http://repository.kulib.kyoto-u.ac.jp/dspace/bitstream/2433/88033/1/460405.pdf.
Levin, N., E. Ben-Dor, and A. Karnieli (2004), Topographic information of sand dunes as extracted from shading effects using Landsat images, *Remote Sens. Environ., 90*(2), 190-209, doi:10.1016/j.rse.2003.12.008.
Levin, N., S. Levental, and H. Morag (2009), The effect of wildfires on dune activity in Australia's desert dunes; a multi-sensor analysis, *Programme with Abstracts - International Geomorphology Conference, 7*, @Abstract no. 339.
Levin, N., S. Levental, and H. Morag (2012), The effect of wildfires on vegetation cover and dune activity in Australia's desert dunes: a multisensor analysis, *Int. J. Wildland Fire, 21*(4), 459-475, doi:http://dx.doi.org/10.1071/WF10150.
Levin, N., A. Shmida, O. Levanoni, H. Tamari, and S. Kark (2007), Predicting mountain plant richness and rarity from space using satellite-derived vegetation indices, *Divers. Distrib., 13*(6), 692-703.
Levine, N. S. and B. C. Doyle (2005), GSI; geospatial investigations; an interdisciplinary NASA workforce development program; Geological Society of America, 2005 annual meeting, *Abstracts with Programs - Geological Society of America, 37*(7), 157.
Levine, N. S. and C. C. Kaufman (2008), Land Use, Erosion, and Habitat Mapping on an Atlantic Barrier Island, Sullivan's Island, South Carolina, *Journal of Maps*, 161-174.
Lewis, D., H. Yao, J. Fridgen, and R. Kincaid (2006), Investigation on the potential of using ASTER image for corn plant residue coverage estimation in three Indiana counties, paper presented at 2006 IEEE International Geoscience and Remote Sensing Symposium, IGARSS, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States. 262

Lewis, D., H. Yao, and R. Kincaid (2006), Crop Residue Coverage Estimation Using ASTER Imagery, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
Li Chen, Qiming Qin, Chao Chen, and Hongbo Jiang (2012), Remote sensing information of mineralizing alteration extraction methods, paper presented at 2012 IEEE International Geoscience and Remote Sensing Symposium (IGARSS), 22-27 July 2012, Munich, Germany, .
Li Shu-min, Li Hong, Sun Dan-feng, and Zhou Lian-di (2009), Estimation of Regional Leaf Area Index by Remote Sensing Inversion of PROSAIL Canopy Spectral Model, *Spectroscopy and Spectral Analysis/Guang Pu Xue Yu Guang Pu Fen Xi, 29*(10), 2725-2729, doi:10.3964/j.issn.1000-0593(2009)10-2725-05.
Li Tianyu, Lv Guonian, and Wen Yongning (2012), Application of land surface temperature inversion based on emissivity mixture analysis at sub-pixel scale in geothermal exploration, paper presented at 2012 Second International Workshop on Earth Observation and Remote Sensing Applications (EORSA), 8-11 June 2012, Shanghai, China, , IEEE.
Li, A., J. Jiang, J. Bian, and W. Deng (2012), Combining the matter element model with the associated function of probability transformation for multi-source remote sensing data classification in mountainous regions, *ISPRS-J. Photogramm. Remote Sens., 67*, 80-92, doi:http://dx.doi.org/10.1016/j.isprsjprs.2011.10.008.
Li, B. L., A. X. Zhu, C. H. Zhou, Y. H. Zhang, T. Pei, and C. Z. Qin (2008), Automatic mapping of snow cover depletion curves using optical remote sensing data under conditions of frequent cloud cover and temporary snow, *Hydrol. Process., 22*(16), 2930-2942.
Li, C. and J. Sha (2006), Knowledge Based Self-Organizing Neural Network Remote Sensing Image Classification Approach, *Remote sensing Technology and Application, 21*(6), 507-511.
Li, C., H. Xu, and L. Chen (2010), Cross-comparison between ASTER and landsat-7 ETM+ multispectral imagery, *Spectroscopy and Spectral Analysis/Guang Pu Xue Yu Guang Pu Fen Xi, 30*(9), 2518-2524. 263

Li, C. and A. Shaban (2006), Knowledge Based Bayes Image Classification Approachâ€”â€”Land Cover, *Research of Soil and Water Conservation, 13*(6), 126-128.

Li, F., T. J. Jackson, W. P. Kustas, T. J. Schmugge, A. N. French, M. H. Cosh, and R. Bindlish (2004), Deriving land surface temperature from Landsat 5 and 7 during SMEX02/SMACEX, *Remote Sens. Environ., 92*(4), 521-534, doi:10.1016/j.rse.2004.02.018.
Li, F. Q., W. P. Kustas, M. C. Anderson, J. H. Prueger, and R. L. Scott (2008), Effect of remote sensing spatial resolution on interpreting tower-based flux observations, *Remote Sens. Environ., 112*(2), 337-349.
Li, F., M. C. Anderson, W. P. Kustas, R. L. Scott, and J. H. Prueger (2006), Utility of Satellite Thermal Remote Sensing for Mapping Riparian and Upland Desert Water Use.
Li, F., M. C. Anderson, W. P. Kustas, R. L. Scott, and J. H. Prueger (2006), Utility of Satellite Thermal Remote Sensing for Mapping Riparian and Upland Desert Water Use.
Li, G. and G. Hu (2010), Mineralization information extraction using ASTER image, paper presented at 2010 International Conference on Multimedia Technology, ICMT 2010, October 29, 2010 - October 31, , IEEE Computer Society, Ningbo, China.
Li, H., W. Li, and X. Li (2006), Application of ASTER image to soil salinization assessment, *Hydrogeology and Engineering Geology / Shiwen Dizhi Gongcheng Dizhi, 33*(5), 75-79.
LI, H. and Q. Tian (2004), An Introduction to ASTER Data and ASTER Mission, *Remote Sensing Information, 0*(3), 53-47.
Li, H., Y. Ma, K. Liang, and Y. Yu (2012), Rapid matching algorithm for hyperspectral image based norm sifting, *Chin. Opt. Lett., 10*(1), 013001, doi:http://dx.doi.org/10.3788/COL201210.013001. 264

Li, H., J. CHEN, and M. Yu (2005), Extracting Vegetation Coverage Information from ASTER Remote Sensing Data Based on Linear Spectral Immixture Model, *Geo-information Science, 7*(1), 103-115.
Li, H., X. Huang, Q. Deng, T. M. Kusky, and X. Cai (2012), Mapping of Planation Surfaces in the Southwest Region of Hubei Province, China-Using the DEM-Derived Painted Relief Model, *J. Earth Sci., 23*(5), 719-730, doi:http://dx.doi.org/10.1007/s12583-012-0290-1.
Li, H., Q. Lin, Q. Wang, Q. Liu, and Y. Chen (2010), A novel hyperspectra absorption enhancing method based on morphological top-hat transformation, *Spectroscopy and Spectral Analysis/Guang Pu Xue Yu Guang Pu Fen Xi, 30*(9), 2433-2437.
Li, J. and J. Chen (2013), Research on geothermal energy using RS land surface material with temperature inversion technology, paper presented at 2012 2nd International Conference on Intelligent Materials and Mechanical Engineering, MEE 2012, December 22, 2012 - December 23, 2012, Yichang, China, , Trans Tech Publications.
Li, J., X. Li, and J. Chen (2009), The Study of Object-Oriented Classification Method of Remote Sensing Image, paper presented at 2009 First International Conference on Information Science and Engineering (ICISE 2009), , IEEE Computer Society, Nanjing, Jiangsu, China.
Li, J. and Y. Sheng (2012), An automated scheme for glacial lake dynamics mapping using Landsat imagery and digital elevation models: a case study in the Himalayas, *Int. J. Remote Sens., 33*(16), 5194-5213, doi:http://dx.doi.org/10.1080/01431161.2012.657370.
Li, K., H. Li, L. Wang, and W. Gao (2011), On the Relationship between Local Topography and Small Glacier Change under Climatic Warming on Mt. Bogda, Eastern Tian Shan, China, *J. Earth Sci., 22*(4), 515-527, doi:10.1007/s12583-011-0204-7.
LI, M., Y. TAN, and S. PENG (2006), A Study on Modeling ï.† Mapping for Poplar Standsï.‡ Parameters Based on ASTER Remote Sensed Datasets, *Journal of Nanjing Forestry University.Natural Sciences Edition, 30*(5), 123-126. 265

LI, M., Y. TAN, S. PENG, L. ZHOU, and Y. MA (2006), Practicality Evaluation on Fusion and Feature Transform of ASTER Remotely Sensed Imagery, *Journal of Nanjing Forestry University.Natural Sciences Edition, 30*(3), 78-80.
Li, P. J., X. Y. Long, and L. Liu (2007), Ophiolite mapping using ASTER data: a case study of Derni ophiolite complex, *Acta Petrologica Sinica, 23*(5), 1175-1180.
Li, P. (2004), Lithological discrimination using aster images and geostatistical texture, *Kuangwu Yanshi/Jouranl of Mineralogy and Petrology, 24*(3), 116-120.
Li, P. and W. M. Moon (2004), Land cover classification using MODIS-ASTER airborne simulator (MASTER) data and NDVI: A case study of the Kochang area, Korea, *Canadian Journal of Remote Sensing, 30*(2), 123-136.

Li, P., W. M. Moon, H. Paik, and G. Choi (2002), Land cover mapping in Kochang area of Korea using MASTER (MODIS/ASTER airborne simulator) data, paper presented at 2002 IEEE International Geoscience and Remote Sensing Symposium (IGARSS 2002), Jun 24-28 2002, , Institute of Electrical and Electronics Engineers Inc.
Li, P., H. Yu, and T. Cheng (2009), Lithologic mapping using ASTER imagery and multivariate texture, *Canadian Journal of Remote Sensing, 35*, S117-S125.
Li, P., C. Shi, Z. Li, J. Muller, J. Drummond, X. Li, T. Li, Y. Li, and J. Liu (2013), Evaluation of ASTER GDEM using GPS benchmarks and SRTM in China, *Int. J. Remote Sens., 34*(5), 1744-1771, doi:http://dx.doi.org/10.1080/01431161.2012.726752.
Li, Q., I. Sato, and F. Sakuma (2008), A novel strategy for precise geometric registration of GIS and satellite images, paper presented at 2008 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2008, , IEEE.
Li, Q., I. Sato, and Y. Murakami (2008), Steerable filter based multiscale registration method for JERS-1 SAR and ASTER images, paper presented at 2007 IEEE International Geoscience 266

and Remote Sensing Symposium, IGARSS 2007, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Li, Q., C. Cheng, and S. Guo (2005), Bayesian network classification for aster data based on wavelet transformation, paper presented at International Conference on Space Information Technology, Nov 19-20 2005, , International Society for Optical Engineering, Bellingham WA, WA 98227-0010, United States, Wuhan, China.
Li, X., M. Friedl, and A. Strahler (2002), Geometric-Optical Modeling of Directional Thermal Radiance for Improvement of Land Surface Temperature Retrievals from MODIS, ASTER, and Landsat-7 Instruments, 5-5.
Li, X. and D. E. Wickland (1998), Geometric-Optical Modeling of Directional Thermal Radiance for Improvement of Land Surface Temperature Retrievals from MODIS, ASTER,.
Li, Y., J. Shao, H. Yang, and X. Bai (2009), The relations between land use and karst rocky desertification in a typical karst area, China, *Environ. Geol., 57*(3), 621-627, doi:10.1007/s00254-008-1331-z.
Li, Y., C. Huang, and X. Ye (2011), Rural ecosystem planning in high-resolution remote sensing and GIS environment: Case study of beautiful countryside planning of Wuyi County, China, paper presented at 2011 19th International Conference on Geoinformatics, Geoinformatics 2011, June 24, 2011 - June 26, 2011, , IEEE Computer Society, Shanghai, China.
Li, Y., W. Sima, L. Chen, M. Yang, and B. Qin (2011), Law between parameters of lightning current and elevation based on lightning detection data, *Gaodianya Jishu/High Voltage Engineering, 37*(7), 1634-1641.
Li, Y., W. Yang, and L. Tong (2008), The Quantitative Inversion and Space-Time Variety Analysis of VWC Based on the Remote Sensing Spectrum, paper presented at 2008 267

International Workshop on Education Technology and Training & 2008 International Workshop on Geoscience and Remote Sensing, , IEEE, Shanghai, China.
Li, Y., W. Yang, L. Tong, J. Jian, and X. Gu (2009), Remote sensing quantitative monitoring and analysis of fuel moisture content based on spectral index, *Guangxue Xuebao/Acta Optica Sinica, 29*(5), 1403-1407.
Li, Z. and J. M. Fox (2011), Integrating Mahalanobis typicalities with a neural network for rubber distribution mapping, *Remote Sens. Lett., 2*(2), 157-166, doi:10.1080/01431161.2010.505589.
Li, Z., Q. Dong, X. Cheng, and F. Yan (2002), The monitoring of land-cover change in western China from remote sensing data, paper presented at 2002 IEEE International Geoscience and Remote Sensing Symposium (IGARSS 2002), Jun 24-28 2002, , Institute of Electrical and Electronics Engineers Inc.
Lia, S., H. Li, L. Zhou, and D. Sun (2009), Analysis and validation of MODIS and ASTER LAI products inverted by PROSAIL, paper presented at 2nd International Conference on Earth Observation for Global Changes, May 25, 2009 - May 29, , SPIE, Chengdu, China.
Liang, B. (2008), Assessing urban environmental quality at multiple spatial and temporal scales using remote sensing, GIS, and geospatial algorithms, 273.
Liang, B., Q. Weng, and X. Tong (2013), An evaluation of fractal characteristics of urban landscape in Indianapolis, USA, using multi-sensor satellite images, *Int. J. Remote Sens., 34*(3), 804-823, doi:http://dx.doi.org/10.1080/01431161.2012.714506.

Liang, S. (2001), Narrowband to broadband conversions of land surface albedo I algorithms, *Remote Sens. Environ., 76*(2), 213-238.
Liang, S. (2001), An optimization algorithm for separating land surface temperature and emissivity from multispectral thermal infrared imagery, *IEEE Trans. Geosci. Remote Sens., 39*(2), 264-274. 268

Liang, S. (2000), Inversion of land surface temperature and emissivity simultaneously from multispectral thermal infrared imagery, paper presented at IGARSS 2000 - Proceedings of the IEEE 2000 National Geoscience and Remote Sensing Symposium, Honolulu, HI, July 24-28, 2000. Vol. 7 ; Piscataway, NJ, Institute of Electrical and Electronics Engineers, Inc., 2000, p. 3133-3135, , Institute of Electrical and Electronics Engineers, Inc.
Liao, Z., Y. Hong, D. B. Kirschbaum, and C. Liu (2012), Assessment of shallow landslides from Hurricane Mitch in Central America using a physically based model, *Environmental Earth Sciences, 66*(6), 1697-1705, doi:http://dx.doi.org/10.1007/s12665-011-0997-9.
Liao, Z., Y. Hong, J. Wang, H. Fukuoka, K. Sassa, D. Karnawati, and F. Fathani (2010), Prototyping an experimental early warning system for rainfall-induced landslides in Indonesia using satellite remote sensing and geospatial datasets, *Landslides, 7*(3), 317-324, doi:10.1007/s10346-010-0219-7.
Lilly, C. and R. L. Nusbaum (2007), Satellite-based geologic mapping of the central Tibesti volcanic province, Chad, *Abstracts with Programs - Geological Society of America, 39*(2), 98.
Liming, H. and L. Zhanqing (2011), Enhancement of a fire-detection algorithm by eliminating solar contamination effects and atmospheric path radiance: Application to MODIS data, *Int. J. Remote Sens., 32*(21), 6273-6293, doi:10.1080/01431161.2010.508057.
Lin Y-F, Yang Y-S, S. H. -. , A. Iwashita, H. Baba, H. M. Morohoshi Toshikazu, and S. Iizuka (2003), Image interpretation of ASTER VNIR in the vicinity of Hua-Tung Longitudinal Valley, East Coast Taiwan. *Bulletin of School of Information Science Kyushu Tokai University, NO.3-29*, PAGE.43-49.
Lin, J. and W. Tsai (1994), Feature-preserving clustering of 2-D data for two-class problems using analytical formulas: an automatic and fast approach, *IEEE Trans. Pattern Anal. Mach. Intell., 16*(5), 554-560. 269

Lin, S., C. Jing, N. A. Coles, V. Chaplot, N. J. Moore, and J. Wu (2013), Evaluating DEM source and resolution uncertainties in the Soil and Water Assessment Tool, *Stochastic Environmental Research and Risk Assessment, 27*(1), 209-221, doi:http://dx.doi.org/10.1007/s00477-012-0577-x.
Lin, Y., J. H. Shyu, and G. Gonzalez (2009), A slow-slipping active fold and thrust system at the SE corner of the Atacama Basin, northern Chile, *EOS Trans. Am. Geophys. Union, 90*(52, Suppl.), Abstract T43B-2062, doi:http://www.agu.org/cgi-bin/SFgate/SFgate?language=English&verbose=0&listenv=table&application=fm09&convert=&convertl=&refinequery=&formintern=&formextern=&transquery=active%20fold%20and%20thrust%20system%20at%20the%20se%20corner%20of%20the%20atacama%20bas.
Lina, X., N. Ruiqing, and Z. Xueqiang (2007), Estimating sub pixel snow cover area by a new spectral unmixing method using MODIS data and ASTER data, paper presented at MIPPR 2007: Remote Sensing and GIS Data Processing and Applications; and Innovative Multispectral Technology and Applications, , SPIE, Bellingham WA, WA 98227-0010, United States.
Ling, F., C. Wang, and Q. Zhang (2006), Filling voids in SRTM data by using the data from ASTER and spatial elevation difference interpolation, *Journal of Huazhong University of Science and Technology.Nature Science, 34*(12), 108-110.
Ling, F., C. Wang, and Q. Zhang (2007), On SRTM and ASTER global free digital elevation models for hydrological research, *IAHS-AISH Publication*(311), 523-529.
Lira, J. (2009), A method to derive texture-relief from ASTER bands 3N and 3B, *Int. J. Remote Sens., 30*(23), 6329-6341, doi:10.1080/01431160902849495.
List, M. R. and B. P. Hausback (2003), Remote sensing evaluation of Mammoth Mountain, California; mapping spatial and temporal variations in volcanogenic CO (sub 2) induced tree kills; Geological Society of America, Cordilleran Section, 99th annual meeting, *Abstracts with Programs - Geological Society of America, 35*(4), 7. 270

List, M. R., B. P. Hausback, C. D. Farrar, and D. C. Pieri (2003), Remote sensing and GIS evaluation of CO (sub 2) -induced tree kills at Mammoth Mountain, California; 1989 to present; Geological Society of America, 2003 annual meeting, *Abstracts with Programs - Geological Society of America, 35*(6), 321.

Littlefield, E. F. (2010), Analysis of remote sensing data for geothermal exploration over Fish Lake Valley, Esmeralda County, Nevada, 179.
Littlefield, E. and W. Calvin (2009), Remote sensing for geothermal exploration over Buffalo Valley, NV, paper presented at Geothermal Resources Council Annual Meeting 2009, Geothermal 2009, October 4, 2009 - October 7, , Geothermal Resources Council, Reno, NV,.
Liu DongLiang, Li HaiBing, Pan JiaWei, M. Chevalier, Pei JunLing, Sun ZhiMing, Si JiaLiang, and Xu Wei (2011), Morphotectonic study from the northeastern margin of the Pamir to the West Kunlun range and its tectonic implications. *Acta Petrol. Sin., 27*(11), 3499-3512.
Liu Qiao, Liu Shiyin, Zhang Yong, Wang Xin, Zhang Yingsong, Guo Wanqin, and Xu Junli (2010), Recent shrinkage and hydrological response of Hailuogou glacier, a monsoon temperate glacier on the east slope of Mount Gongga, China, *J. Glaciol., 56*(196), 215-224.
Liu Yue, G. Shintaro, Zhuang Dafang, and Kuang Wenhui (2012), Urban surface heat fluxes infrared remote sensing inversion and their relationship with land use types, *J. Geogr. Sci., 22*(4), 699-715, doi:http://dx.doi.org/10.1007/s11442-012-0957-7.
Liu, J. L. and Y. Li (2008), The glacier extraction based on ASTER data, paper presented at 2008 International Workshop on Earth Observation and Remote Sensing Applications (EORSA), , IEEE, Beijing, China.
Liu, C. C. (2006), Processing of FORMOSAT-2 daily revisit imagery for site surveillance, *IEEE Trans. Geosci. Remote Sens., 44*(11), 3206-3214. 271

Liu, C., R. Kan, K. Hiroaki, and M. Misuo (2006), Retrieval of the Surface Reflectivity and the Aerosol Optical Thickness over Chiba Land Area from ASTER and Landsat, *Journal of Remote Sensing, 10*(5), 756-761.
Liu, C., A. Kamei, K. Hsu, S. Tsuchida, H. Huang, S. Kato, R. Nakamura, and A. Wu (2010), Vicarious Calibration of the Formosat-2 Remote Sensing Instrument, *IEEE Trans. Geosci. Remote Sens., 48*(4), 2162-2169, doi:10.1109/TGRS.2009.2033179.
Liu, C., Y. Chang, and T. Chou (2010), The interaction analysis of UHI effects and land cover change in Taichung City, paper presented at 31st Asian Conference on Remote Sensing 2010, ACRS 2010, November 1, 2010 - November 5, 2012, Hanoi, Viet Nam, , Asian Association on Remote Sensing.
Liu, D. S. and R. L. Pu (2008), Downscaling thermal infrared radiance for subpixel land surface temperature retrieval, *Sensors, 8*(4), 2695-2706.
Liu, D. and X. Zhu (2012), An Enhanced Physical Method for Downscaling Thermal Infrared Radiance, *IEEE Geoscience and Remote Sensing Letters, 9*(4), 690-694, doi:http://dx.doi.org/10.1109/LGRS.2011.2178814.
Liu, G. and H. Lu (2010), Evaluation of land use classification accuracy based upon TM and CBERS-02B HR data fusion, paper presented at Multispectral, Hyperspectral, and Ultraspectral Remote Sensing Technology, Techniques, and Applications III, October 13, 2010 - October 14, , SPIE, Incheon, Korea, Republic of.
Liu, H. and Q. H. Weng (2008), Seasonal variations in the relationship between landscape pattern and land surface temperature in Indianapolis, USA, *Environ. Monit. Assess., 144*(1-3), 199-219.
Liu, H., L. Xu, J. Ding, B. Zhuoma, X. Deng, and Z. Liu (2010), Atmospheric correction and land surface temperature retrieval method for FY-3 IR observations, paper presented at 2010 272

2nd IITA Conference on Geoscience and Remote Sensing, IITA-GRS 2010, August 28, 2010 - August 31, , IEEE Computer Society, Qingdao, China.
Liu, H. (2007), Relationships between landscape pattern and land surface temperature and their applications to the study of West Nile Virus: As case studies in cities of Indianapolis and Chicago, United States, *DAI, 68*(10A), 132-4420.
Liu, H. and Q. Weng (2006), Seasonal urban thermal patterns based on land surface temperatures measured from aster imagery, paper presented at Annual Conference of the American Society for Photogrammetry and Remote Sensing 2006: Prospecting for Geospatial Information Integration, ASPRS 2006, May 1, 2006 - May 5, 2006, Reno, NV, , American Society for Photogrammetry and Remote Sensing.
Liu, H. and Q. Weng (2009), An examination of the effect of landscape pattern, land surface temperature, and socioeconomic conditions on WNV dissemination in Chicago, *Environ. Monit. Assess., 159*(1-4), 143-161, doi:10.1007/s10661-008-0618-6.

Liu, H. and Q. Weng (2009), Scaling Effect on the Relationship between Landscape Pattern and Land Surface Temperature: A Case Study of Indianapolis, United States, *Photogramm. Eng. Remote Sensing, 75*(3), 291-304.
Liu, H. and Q. Weng (2012), Enhancing temporal resolution of satellite imagery for public health studies: A case study of West Nile Virus outbreak in Los Angeles in 2007, *Remote Sensing of Environment, 117*, 57-71, doi:http://dx.doi.org/10.1016/j.rse.2011.06.023.
Liu, J. G., P. J. Mason, N. Clerici, S. Chen, A. Davis, F. Miao, H. Deng, and L. Liang (2004), Landslide hazard assessment in the Three Gorges area of the Yangtze River using ASTER imagery; Zigui-Badong, *Geomorphology, 61*(1-2), 171-187, doi:10.1016/j.geomorph.2003.12.004.
Liu, J. G., P. J. Mason, N. Clerici, S. Chen, A. M. Davis, F. Miao, H. Deng, L. Liang, and D. (. Massonnet (2003), Landslide hazard assessment in the Three Gorges area of the Yangtze 273

River using ASTER imagery, paper presented at 2003 IEEE international geoscience and remote sensing symposium, Toulouse, France, July 21-25, 2003; Learning from Earth's shapes and sizes, , Institute of Electrical and Electronics Engineers, New York, NY, United States (USA), Toulouse, France.
Liu, J. G., P. J. Mason, E. Yu, M. Wu, C. Tang, R. Huang, and H. Liu (2012), GIS modelling of earthquake damage zones using satellite remote sensing and DEM data, *Geomorphology, 139*, 518-535, doi:http://dx.doi.org/10.1016/j.geomorph.2011.12.002.
Liu, J., H. Yang, Z. Yan, and H. Zhang (2005), A study on extracting the land area from the remotely sensed images and the scale-transformation method based on the histo-variogram, paper presented at 2005 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2005, Jul 25-29 2005, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Liu, J., Y. Song, X. Fan, C. Huang, and Y. Shao (2006), Retrieval and correlation analysis of urban land surface temperature and vegetation fraction using ASTER data, paper presented at 2006 IEEE International Geoscience and Remote Sensing Symposium, IGARSS, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Liu, L. and Y. Zhang (2011), Urban heat island analysis using the landsat TM data and ASTER Data: A case study in Hong Kong, *Remote Sensing, 3*(7), 1535-1552.
Liu, M., X. Li, P. Jiang, and J. Sheng (2005), The Application of ASTER Data in Cotton Information Classification --Taking 16 Farm of Nongyishi of Production and Construction Group as An Example, *Remote sensing Technology and Application, 20*(6), 591-595.
Liu, Q., X. Xin, R. Deng, Q. Xiao, Q. Liu, and G. Tian (2002), Retrieve component temperature for wheat field with ASTER image, paper presented at 2002 IEEE International Geoscience and Remote Sensing Symposium (IGARSS 2002), Jun 24-28 2002, , Institute of Electrical and Electronics Engineers Inc. 274

Liu, S. and J. Shi (2002), MODIS fraction snow mapping, paper presented at 2002 IEEE International Geoscience and Remote Sensing Symposium (IGARSS 2002), Jun 24-28 2002, , Institute of Electrical and Electronics Engineers Inc.
Liu, W. and F. Yamazaki (2011), Characterization of flooded areas due to the 2011 Tohoku, Japan earthquake from SAR intensity images, paper presented at 32nd Asian Conference on Remote Sensing 2011, ACRS 2011, October 3, 2011 - October 7, 2011, Tapei, Taiwan, , Asian Association on Remote Sensing.
Liu, W., A. Gong, J. Zhou, and W. Zhan (2011), Estimation of the land surface instantaneous net radiation and its diurnal cycle integrating multi-source remote sensing data under clear sky, paper presented at 2011 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2011, July 24, 2011 - July 29, 2011, , Institute of Electrical and Electronics Engineers Inc, Vancouver, BC, Canada.
Liu, Y. B., Y. Yamaguchi, and C. Q. Ke (2007), Reducing the discrepancy between ASTER and MODIS land surface temperature products, *Sensors, 7*(12), 3043-3057.
Liu, Y., M. Li, J. Yang, and Y. Shu (2007), Tidal flat stability analysis based on GIS and RS technology: A case study in Dongsha sandbank, offshore the coast of Jiangsu province, paper presented at Geoinformatics 2007: Geospatial Information Science, , SPIE, Bellingham WA, WA 98227-0010, United States.

Liu, Y. and T. Hiyama (2005), A scaling approach for satellite-derived land surface temperature over terrain area, paper presented at Remote Sensing for Agriculture, Ecosystems, and Hydrology VII, Sep 20-22 2005, , International Society for Optical Engineering, Bellingham WA, WA 98227-0010, United States, Bruges; Belgium.
Liu, Y., T. Hiyama, and Y. Yamaguchi (2006), Scaling of land surface temperature using satellite data: A case examination on ASTER and MODIS products over a heterogeneous terrain area, *Remote Sens. Environ., 105*(2), 115-128. 275

Liu, Y., Y. Noumi, and Y. Yamaguchi (2009), Discrepancy Between ASTER- and MODIS- Derived Land Surface Temperatures: Terrain Effects, *Sensors, 9*(2), 1054-1066, doi:10.3390/s90201054.
Liu, Y., Y. Yamaguchi, and T. Hiyama (2006), A new approach to reduce inconsistency between MODIS and ASTER land surface temperature products, paper presented at Remote Sensing for Agriculture, Ecosystems, and Hydrology VIII, Sept. 11-13, 2006. , Stockholm, Sweden.
Liu, Y., Y. Yu, D. Sun, D. Tarpley, and L. Fang (2013), Effect of Different MODIS Emissivity Products on Land-Surface Temperature Retrieval From GOES Series, *Ieee Geoscience and Remote Sensing Letters, 10*(3), 510-514, doi:http://dx.doi.org/10.1109/LGRS.2012.2211992.
Liu, Z. Q., H. C. Li, and D. X. Yuan (2009), Relationship between speleothem d13C and karst-desertification in western Guizhou, *Geophysical Research Abstracts, 11*, EGU2009-3384.
Liu, Z. and Y. Zhao (2012), Retrieval of plant and soil component temperature under different light conditions based on genetic algorithm, *Nongye Gongcheng Xuebao/Transactions of the Chinese Society of Agricultural Engineering, 28*(1), 161-166, doi:http://dx.doi.org/10.3969/j.issn.1002-6819.2012.01.029.
Liu, Z., Y. Zhao, X. Li, and Y. Hu (2012), Quantitative remote sensing of water deficit index based on evapotranspiration, *Nongye Gongcheng Xuebao/Transactions of the Chinese Society of Agricultural Engineering, 28*(2), 114-120, doi:http://dx.doi.org/10.3969/j.issn.1002-6819.2012.02.021.
Livo, K. E. and K. Watson (2005), Soil surface characterization of the Mancos Shale within the Gunnison Gorge National Conservation Area using master data; Geological Society of America, Rocky Mountain Section, 57th annual meeting, *Abstracts with Programs - Geological Society of America, 37*(6), 39. 276

Llopis, M., A. Vidal, and B. Hoyos (2008), Multi-temporal classification for irrigation detection in the Vinalopo region in Spain using ASTER images, paper presented at 2007 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2007, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Lodhi, M. A. (2011), Earthquake-induced landslide mapping in the western Himalayas using medium resolution ASTER imagery, *Int. J. Remote Sens., 32*(19), 5331-5346.
Logar, A. M., D. E. Lloyd, E. M. Corwin, M. L. Penaloza, R. E. Feind, T. A. Berendes, K. Kuo, and R. M. Welch (1998), ASTER polar cloud mask, *IEEE Trans. Geosci. Remote Sens., 36*(4), 1302-1312.
Long, D. and V. P. Singh (2012), A Two-source Trapezoid Model for Evapotranspiration (TTME) from satellite imagery, *Remote Sens. Environ., 121*, 370-388, doi:http://dx.doi.org/10.1016/j.rse.2012.02.015.
Longbottom, T. and U. K. Haritashya (2010), An analysis of alpine glacier morphology in the eastern, central, and western Himalaya using remote sensing data, paper presented at 2010 AAG annual meeting, Washington, DC, USA, United States, April 14-18, 2010, , Association of American Geographers, Washington, DC, United States (USA).
Longley-Sinitsyna, D. A., C. M. Knox-Robinson, A. Belous, and C. M. (. Knox-Robinson (2004), Geological controls and spatial distribution of gold mineralisation in the Karakala mineral field of the southern Kyrgyz Republic, central Asia; SEG 2004; Predictive mineral discovery under cover; SEG conference and exhibition; extended abstracts, *Publication - Geology Department and Extension Service, University of Western Australia, 33*, 439.
Lopez, P., P. Chevallier, V. Favier, B. Pouyaud, F. Ordenes, and J. Oerlemans (2010), A regional view of fluctuations in glacier length in southern South America, *Global Planet. Change, 71*(1-2), 85-108, doi:10.1016/j.gloplacha.2009.12.009. 277

Lovell, H., C. R. Stokes, and M. J. Bentley (2011), A glacial geomorphological map of the Seno Skyring-Seno Otway-Strait of Magellan region, southernmost Patagonia RID F-7386-2011, *J. Maps*, 318-339, doi:http://dx.doi.org/10.4113/jom.2011.1156.

Lovick, J., S. Li, and Romanovsky, Vladimir E (Romanovskiy,Vladimir E.) (2002), Fusion of RADARSAT SAR interferograms with other image and geological data sets to establish temporal, spatial and physical behaviors of the active layer at Sagwon, Alaska; AGU 2002 fall meeting, *EOS Trans. Am. Geophys. Union, 83*(47), F261.
Low, J., S. C. Liew, and L. K. Kwoh (2005), A southeast Asia web-based GIS fire mapping system, paper presented at 26th Asian Conference on Remote Sensing, ACRS 2005 and 2nd Asian Space Conference, ASC, November 7, 2005 - November 11, 2005, Ha Noi, Viet nam, , Asian Association on Remote Sensing.
Lu, D., M. Batistella, E. F. Moran, and E. E. De Miranda (2005), A comparative study of terra ASTER, landsat TM, and SPOT HRG data for land cover classification in the Brazilian Amazon, paper presented at 9th World Multi-Conference on Systemics, Cybernetics and Informatics, WMSCI 2005, July 10, 2005 - July 13, 2005, Orlando, FL, , International Social Science Council,ISSC.
Lu, D., E. Moran, and S. Hetrick (2011), Detection of impervious surface change with multitemporal Landsat images in an urban-rural frontier, *Isprs Journal of Photogrammetry and Remote Sensing, 66*(3), 298-306, doi:10.1016/j.isprsjprs.2010.10.010.
Lu, D. and Q. Weng (2006), Spectral mixture analysis of ASTER images for examining the relationship between urban thermal features and biophysical descriptors in Indianapolis, Indiana, USA, *Remote Sens. Environ., 104*(2), 157-167.
Lu, Y., C. Hua, X. Yang, and Y. Wei (2008), Quantitative analysis of urban thermal environmental effect based on ASTER data, *Geomatics and Information Science of Wuhan University, 33*(3), 297-301.
278

Lubis, A. M. and N. Isezaki (2009), Shoreline changes and vertical displacement of the 2 April 2007 Solomon Islands earthquake Mw 8.1 revealed by ALOS PALSAR images, *Phys. Chem. Earth, 34*(6-7), 409-415.
Lucas, R., K. Medcalf, A. Brown, P. Bunting, J. Breyer, D. Clewley, S. Keyworth, and P. Blackmore (2011), Updating the Phase 1 habitat map of Wales, UK, using satellite sensor data, *ISPRS Journal of Photogrammetry and Remote Sensing, 66*(1), 81-102.
Lucca, E. V. D. (2007), Image Fusion Using Wavelet Transform to Characterize the Thermal Plume Produced by Nuclear Power Plant in Angra dos Reis, 150.
Lutz, B., D. P. Roy, C. Leff, S. Lewicki, E. Geier, D. Ziskin, K. Kilpatrick, and A. Chu (2000), A review of EOS Terra quality assessment, paper presented at IGARSS 2000. IEEE 2000 International Geoscience and Remote Sensing Symposium. Taking the Pulse of the Planet: The Role of Remote Sensing in Managing the Environment, 24-28 July 2000, , IEEE, Honolulu, HI.
Lytwyn, J. (2010), Remote sensing and GIS investigation of glacial features in the region of Devil's Lake State Park, South-Central Wisconsin, USA, *Geomorphology, 123*(1-2), 46-60, doi:10.1016/j.geomorph.2010.06.012.
Ma DeFeng and Li PeiJun (2008), The use of multiscale texture in image classification for lithologie mapping, *Acta Petrologica Sinica, 24*(6), 1425-1430.
Ma, J. W. and H. Bagan (2005), Land-use classification using ASTER data and self-organized neutral networks, *International Journal of Applied Earth Observation and Geoinformation, 7*(3), 183-188.
Ma, W., Y. Ma, Z. Hu, Z. Su, J. Wang, and H. Ishikawa (2011), Estimating surface fluxes over middle and upper streams of the Heihe River Basin with ASTER imagery, *Hydrology and Earth System Sciences, 15*(5), 1403-1413, doi:10.5194/hess-15-1403-2011.
279

Ma, W., Y. Ma, M. Li, Z. Hu, L. Zhong, Z. Su, H. Ishikawa, and J. Wang (2008), Estimating surface fluxes over the north Tibetan Plateau area with ASTER imagery, *Hydrology & Earth System Sciences Discussions, 5*(4), 1705-1730.
Ma, W. -., Y. -. Ma, T. Matsunaga, Z. -. Hu, L. Zhong, M. -. Li, Y. -. Zhao, Y. -. Wang, and J. -. Wang (2008), Land Surface and Vegetation Variables Estimated from ASTER Data over Akesu Region of Xingjiang in April 2002, *Plateau Meteorol., 27*(3), 544-550.
Ma, W., M. Hafeez, R. Umair, Y. Ma, and B. Su (2011), Use of field observations and SEBS to retrieve heat fluxes for irrigation areas of Australia, *IAHS-AISH Publication, 343*, 53-58, doi:http://iahs.info/redbooks/a343/abs_343_0053.pdf.
Ma, W. and Y. Ma (2010), Estimating surface fluxes over the north Tibetan Plateau area with ASTER imagery, paper presented at 2010 Dragon 2 Mid Term Results Symposium, , European Space Agency, Guilin City, China.

Ma, W., Y. Ma, and L. Zhong (2010), Retrieving land surface temperature from aster data using TES: A case study on the Namco area of the Tibetan PLATEAU, paper presented at 2010 Dragon 2 Mid Term Results Symposium, May 17, 2010 - May 21, , European Space Agency, Guilin City, China.
Ma, Y., D. Zhao, R. Wang, and W. Su (2010), Offshore aquatic farming areas extraction method based on ASTER data, *Nongye Gongcheng Xuebao/Transactions of the Chinese Society of Agricultural Engineering, 26*, 120-124.
Macdonald, F. A., K. Mitchell, and A. J. Stewart (2005), Amelia Creek: a Proterozoic impact structure in the Davenport Ranges, Northern Territory, *Aust. J. Earth Sci., 52*(4-5), 631-640.
Machado, A. E., G. R. Scharfen, R. G. Barry, S. S. Khalsa, B. Raup, R. Swick, V. J. Troisi, and I. Wang (2001), Glacier Land Ice Measurements from Space (GLIMS) and the GLIMS Information Management System at NSIDC, *22*, 0702. 280

Machwitz, M., T. Landmann, C. Conrad, A. Cord, and S. Dech (2008), Land cover analysis on sub-continental scale: FAO LCCS standard with 250 meter MODIS satellite observations in West Africa, paper presented at 2008 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2008, , IEEE.
Mackawa, T., O. Nishihara, Y. Aoki, K. Tsubosaka, and S. Kitamura (1993), Design challenges of ASTER in thermal infrared spectral region, paper presented at Sensor systems for the early earth observing system platforms; Proceedings of the Conference, Orlando, FL; UNITED STATES; 13-14 Apr. 1993, , Bellingham.
MacKnight IV, R. B., E. Silver, T. Kennedy-Bowdoin, W. L. Pickles, and A. Waibel (2004), Remote sensing analysis of structure and geothermal potential of the Humboldt Block, Nevada, paper presented at 2004 IEEE International Geoscience and Remote Sensing Symposium Proceedings: Science for Society: Exploring and Managing a Changing Planet. IGARSS 2004, Sep 20-24 2004, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States, Anchorage, AK.
Madani, A. A. and A. A. Emam (2011), SWIR ASTER band ratios for lithological mapping and mineral exploration: a case study from El Hudi area, southeastern desert, Egypt, *Arabian Journal of Geosciences, 4*(1-2), 45-52, doi:http://dx.doi.org/10.1007/s12517-009-0059-8.
Magee, K. S. (2011), Segmentation, object-oriented applications for remote sensing land cover and land use classification, 130.
Magnsson, E., H. Rott, H. Bjornsson, M. J. Roberts, E. Berthier, F. Palsson, H. Geirsson, S. Gudmundsson, R. Bennett, and E. Sturkell (2006), Unsteady Glacier Flow Revealed by Multi-Source Satellite Data, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
Magsud, M., B. R. Parida, L. Samarakoon, S. A. Asilo, C. B. Casiwan, and W. B. Collado (2006), Rainfed rice area mapping and backscatter analysis using multi-temporal RADARSAT-1 images in Pangasinan and Nueva Ecija Provinces of Philippines, paper presented at 27th Asian 281

Conference on Remote Sensing, ACRS 2006, October 9, 2006 - October 13, 2006; Ulaanbaatar, Mongolia, , Asian Association on Remote Sensing.
Mah, G. R., J. C. Eidenshink, K. W. Sheffield, and J. Myers (1993), Earth Observing System precursor data sets, paper presented at Sensor systems for the early earth observing system platforms; Proceedings of the Conference, Orlando, FL; UNITED STATES; 13-14 Apr. 1993, , Society for Photo-Optical Instrumentation Engineers, Orlando, FL.
MAH, G. R. and J. MYERS (1993), AVIRIS and TIMS data processing and distribution at the land processes distributed active archive center, paper presented at In JPL, Summaries of the 4th Annual JPL Airborne Geoscience Workshop. Volume 1: AVIRIS Workshop p 109-112 (SEE N95-23844 07-42); UNITED STATES, .
Mahmood, S. A. and R. Gloaguen (2011), Analyzing Spatial Autocorrelation for the Hypsometric Integral to Discriminate Neotectonics and Lithologies Using DEMs and GIS, *GISci. Remote Sens., 48*(4), 541-565, doi:http://dx.doi.org/10.2747/1548-1603.48.4.541.
Mahmood, S. A. and R. Gloaguen (2011), Fractal measures of drainage network to investigate surface deformation from remote sensing data: A paradigm from Hindukush (NE-Afghanistan), *J Mt. Sci., 8*(5), 641-654, doi:http://dx.doi.org/10.1007/s11629-011-1030-1.
Mahmood, T. and G. Easson (2006), Comparing aster and Landsat 7 ETM+ for change detection, paper presented at Annual Conference of the American Society for Photogrammetry and Remote Sensing 2006: Prospecting for Geospatial Information Integration, ASPRS 2006, May 1, 2006 - May 5, 2006, Reno, NV, , American Society for Photogrammetry and Remote Sensing.

Mahmud, M. R. and M. Hashim (2008), New generation remote sensing data analysis for mammal biodiversity richness mapping in tropical rainforest, paper presented at 29th Asian Conference on Remote Sensing 2008, ACRS 2008, November 10, 2008 - November 14, 2008, Colombo, Sri Lanka, , Asian Association on Remote Sensing. 282

Mahoney, C., C. LaBaw, H. Sobel, and A. Kahle (1990), Thermal infrared imaging spectrometer. An advanced optics technology instrument, paper presented at Imaging Spectroscopy of the Terrestrial Environment, Apr 16-17 1990, , Publ by Int Soc for Optical Engineering, Bellingham, WA, USA.
Maillard, P., T. Alencar-Silva, and D. A. Clausi (2008), An evaluation of Radarsat-1 and ASTER data for mapping veredas (palm swamps), *Sensors, 8*(9), 6055-6076, doi:10.3390/s8096055.
Main, M. (2004), Wykorzystanie metod geoinformatycznych do identyfikacji i charakterystyki skladowisk odpadow przemyslowych na potrzeby rekultywacji. Applying geo-informatic methods to identify and characterize an industrial waste for recultivation purpose, *Inzynieria Srodowiska - Rocznik Akademii Gorniczo-Hutniczej, 9*(2), 201-210.
Major, G. R. (2011), Impact of NASA EOS Instrument Data on the Scientific Literature: 10 Years of Published Research Results from Terra, Aqua, and Aura, *Issues in Science and Technology Librarianship, 67*(Fall).
MAKI, M., T. KOJIMA, and T. AKIYAMA (2007), Potential of ASTER DEM for Forest Ecological Research, *Journal of Remote Sensing Society of Japan, 27*(1), 39-45.
Mall, I., S. Faye, P. M. Ngom, and O. Bocoum (2012), Groundwater potential in crystalline basement rock in the sabodala (Senegal) mining region using remote sensing and GIS, paper presented at 1st Sentinel-2 Preparatory Symposium, April 23, 2012 - April 27, 2012, Frascati, Italy, , European Space Agency.
Mallick, J. and A. Rahman (2012), Impact of population density on the surface temperature and micro-climate of Delhi, *Curr. Sci., 102*(12), 1708-1713.
Mallick, K., B. K. Bhattacharya, and N. K. Patel (2009), Estimating volumetric surface moisture content for cropped soils using a soil wetness index based on surface temperature and NDVI, *Agric. For. Meteorol., 149*(8), 1327-1342, doi:10.1016/j.agrformet.2009.03.004. 283

Mallinis, G., F. Maris, I. Kalinderis, and N. Koutsias (2009), Assessment of Post-fire Soil Erosion Risk in Fire-Affected Watersheds Using Remote Sensing and GIS, *Giscience & Remote Sensing, 46*(4), 388-410, doi:10.2747/1548-1603.46.4.388.
Mancini, F., M. De Giglio, and M. Nurra (2008), Use of Landsat and Terra-ASTER data for environmental monitoring, *Rivista Italiana Di Telerilevamento, 40*(3), 39-53.
Mandl, D., R. Sohlberg, C. Justice, S. Ungar, T. Ames, S. Frye, S. Chien, D. Tran, P. Cappelaere, D. Sullivan, and V. Ambrosia (2008), A space-based sensor Web for disaster management, paper presented at 2008 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2008, , IEEE.
Manfreda, S., M. Di Leo, and A. Sole (2011), Detection of Flood-Prone Areas Using Digital Elevation Models, *J. Hydrol. Eng., 16*(10), 781-790, doi:http://dx.doi.org/10.1061/(ASCE)HE.1943-5584.0000367.
Manguerra, J. R. and E. C. Paringit (2007), Spectral response analysis of selected Philippine agricultural soils in varying nutrient conditions, paper presented at 28th Asian Conference on Remote Sensing 2007, ACRS 2007, November 12, 2007 - November 16, 2007, Kuala Lumpur, Malaysia, , Asian Association on Remote Sensing.
Manners, R. B., F. J. Magilligan, and P. S. Goldstein (2007), Floodplain Development, El Nino, and Cultural Consequences in a Hyperarid Andean Environment, *Ann. Assoc. Am. Geogr., 97*(2), 229-249, doi:10.1111/j.1467-8306.2007.00533.x.
Manobianco, J. and G. E. Taylor (1994), Operational real-time mesoscale numerical weather prediction at the Kennedy Space Center.
Mantas, V. M., A. J. S. C. Pereira, and P. V. Morais (2011), Plumes of discolored water of volcanic origin and possible implications for algal communities. The case of the Home Reef eruption of 2006 (Tonga, Southwest Pacific Ocean), *Remote Sensing of Environment, 115*(6), 1341-1352. 284

Mantelli, L. R., J. M. Barbosa, and M. D. Bitencourt (2011), Assessing ecological risk through automated drainage extraction and watershed delineation, *Ecol. Inform., 6*(5), 325-331, doi:http://dx.doi.org/10.1016/j.ecoinf.2011.04.003.

Mao, H., R. Liu, X. Rao, and T. Zhang (2011), The research of remote sensing geological interpretation in long-zhang expressway of Hunan, paper presented at 19th International Conference on Geoinformatics, 2011, 24-26 June 2011, , IEEE, Shanghai, China.
Mao, K., Z. Qin, J. Shin, and P. Gong (2005), A practical split-window algorithm for retrieving land-surface temperature from MODIS data, *Int. J. Remote Sens., 26*(15), 3181-3204, doi:10.1080/01431160500044713.
Mao, K. B., Y. Ma, X. Y. Shen, B. P. Li, C. Y. Li, and Z. L. Li (2012), Estimation of broadband emissivity (8-12um) from ASTER data by using RM-NN, *Optics Express, 20*(18), 20096-20101, doi:http://dx.doi.org/10.1364/OE.20.020096.
Mao, K. B., H. J. Tang, X. F. Wang, Q. B. Zhou, and D. L. Wang (2008), Near-surface air temperature estimation from ASTER data based on neural network algorithm, *Int. J. Remote Sens., 29*(20), 6021-6028.
Mao, K., S. Li, D. Wang, L. Zhang, X. Wang, H. Tang, and Z. Li (2011), Retrieval of land surface temperature and emissivity from ASTER1B data using a dynamic learning neural network, *Int. J. Remote Sens., 32*(19), 5413-5423.
Mao, K., J. Shi, Z. Li, Z. Qin, X. Wang, and L. Jiang (2006), A multiple-band algorithm for separating land surface emissivity and temperature from ASTER imagery, paper presented at 2006 IEEE International Geoscience and Remote Sensing Symposium, IGARSS, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Mao, K., J. Shi, Z. Qin, P. Gong, W. Liu, and L. Xu (2005), A mutiple-band algorithm for retrieving land surface temperature and emissivity from EOS/MODIS data, paper presented at 2005 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2005, Jul 25-29 285

2005, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Mao, K., J. Shi, Z. Qin, P. Gong, B. XU, and L. Jiang (2006), A Four-Channel Algorithm for Retrieving Land Surface Temperature and Emissivity from ASTER Data, *Journal of Remote Sensing, 10*(4), 593-599.
Mao, K., J. Shi, H. Tang, Z. Li, X. Wang, and K. Chen (2008), A neural network technique for separating land surface emissivity and temperature from ASTER imagery, *IEEE Trans. Geosci. Remote Sens., 46*(1), 200-208.
Mao, K., H. Tang, Z. CHEN, Y. QIU, Z. Qin, and M. Li (2006), A Split-window Algorithm for Retrieving Land-Surface Temperature from ASTER Data, *Remote Sensing Information*(5), 7-11.
Mao, X., W. Liu, J. Du, and W. Xu (2005), Comparison between ETM+ and ASTER Data for Extraction of Alteration Information: A Case Study of Fenghuangshan Orefield, Tongling, Anhui Province, *Geoscience, 19*(2), 309-314.
Marangoz, A. M., G. Buyuksalih, I. Buyuksalih, U. G. Sefercik, and H. Akcin (2005), Geometric evaluation, automated DEM and orthoimage generation from along-track stereo ASTER images, paper presented at RAST 2005. Proceedings of 2nd International Conference on Recent Advances in Space Technologies, 9-11 June 2005, , IEEE.
Marcal, A. R. S., J. S. Borges, J. A. Gomes, and J. F. Pinto Da Costa (2005), Land cover update by supervised classification of segmented ASTER images, *Int. J. Remote Sens., 26*(7), 1347-1362.
Marcal, A. R. S. and J. S. Borges (2005), Estimation of the "natural" number of classes of a multispectral image, paper presented at 2005 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2005, Jul 25-29 2005, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States. 286

Mardirossian, G. (2007), Application of remote sensing (optical and SAR) to monitoring water resources, paper presented at NATO advanced research workshop on Supply of water to cities in emergency situations, Tel Aviv, Israel, June 5-7, 2007, .
Margold, M. and K. N. Jansson (2012), Evaluation of data sources for mapping glacial meltwater features, *Int. J. Remote Sens., 33*(8), 2355-2377, doi:http://dx.doi.org/10.1080/01431161.2011.608738.
Marina, S. and C. Constantinos (2007), Study of the urban heat island of Athens, Greece during daytime and night-time, paper presented at 2007 Urban Remote Sensing Joint Event, URS, , Institute of Electrical and Electronics Engineers Computer Society, Piscataway, NJ 08855-1331, United States.
Mariotto, I. (2010), Remote sensing of energy balance for estimating land evapotranspiration in the semi-arid southwestern USA, 93.

Mariotto, I. and V. P. Gutschick (2010), Non-Lambertian corrected albedo and vegetation index for estimating land evapotranspiration in a heterogeneous semi-arid landscape, *Remote Sensing, 2*(4), 926-938.
Mariotto, I., V. P. Gutschick, and D. L. Clason (2011), Mapping Evapotranspiration from ASTER Data through GIS Spatial Integration of Vegetation and Terrain Features, *Photogramm. Eng. Remote Sensing, 77*(5), 483-493.
Marquetti, C., D. Azcurra, G. Marin, K. Yokokawa, M. Kaku, I. Kohno, I. M. DiTommaso, and S. E. Castro Godoy (2002), Utilizacion de datos ASTER para la investigacion y analisis de las zonas de alteracion hidrotermal en el distrito minero Farallon Negro, Catamarca, Argentina: ASTER data in mineral exploration for hydrothermal alteration zones at Farallon Negro mining district, Catamarca Province, Argentina, paper presented at XV Congreso Geologico Argentino, 23 April 2002, , Asociacion Geologica Argentina, Buenos Aires. 287

Marrakchi Charfi, O., J. Mbainaibeye, and W. Jebalia (2012), Wavelet-based remote sensing heterogeneous textures signatures using Generalized Gaussian Density Model, *International Review on Computers and Software, 7*(2), 538-545.
Marrakchi, O., A. Agina, and A. Elghali (2009), Evaluating SVM and BPNN classifiers for remote sensing data, *Int. Rev. Comput. Softw., 4*(5), 600-605.
Mars, J. C. and J. C. Wynn (2002), Geologic mapping of the Sierra San Jose mountain range, Mexico using advanced spaceborne thermal emission and reflection radiometer (ASTER) data; a remote sensing tool to assist geologic mapping in the field; Geological Society of America, 2002 annual meeting, *Abstracts with Programs - Geological Society of America, 34*(6), 551.
Mars, J. C. (2009), Regional alteration mapping for mineral assessment in the Lake Balqash region of Kazakhstan using advanced spaceborne thermal emission and reflection radiometer (ASTER) data, *Abstracts with Programs - Geological Society of America, 41*(7), 612.
Mars, J. C., D. N. Riley, and S. K. Gaffney (2007), Lithologic mapping using Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) data in the White Sands, New Mexico region, *Abstracts with Programs - Geological Society of America, 39*(6), 529.
Mars, J. C. and L. C. Rowan (2005), Calibration and regional mapping of argillic and phyllic alteration using advanced spaceborne thermal emission and reflection radiometer (ASTER) data, Hyperion data, and environment for visualizing images (ENVI) logical operator algorithms; Geological Society of America, 2005 annual meeting, *Abstracts with Programs - Geological Society of America, 37*(7), 107.
Mars, J. C. and L. C. Rowan (2006), Regional mapping of phyllic- and argillic-altered rocks in the Zagros magmatic arc, Iran, using Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) data and logical operator algorithms, *Geosphere, 2*(3), 161-186, doi:10.1130/GES00044.1. 288

Mars, J. C. and L. C. Rowan (2007), Mapping phyllic and argillic-altered rocks in southeastern Afghanistan using Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) data, *U.S. Geological Survey Open File Report, OF 2007-1006*.
Mars, J. C. and L. C. Rowan (2010), Spectral assessment of new ASTER SWIR surface reflectance data products for spectroscopic mapping of rocks and minerals, *Remote Sens. Environ., 114*(9), 2011-2025, doi:10.1016/j.rse.2010.04.008.
Mars, J. C. and L. C. Rowan (2011), ASTER spectral analysis and lithologic mapping of the Khanneshin carbonatite volcano, Afghanistan, *Geosphere, 7*(1), 276-289, doi:10.1130/GES00630.1.
Marsh, S. H., K. Greally, and Environmental Research Institute of Michigan, Ann Arbor, MI,United States (USA) (1996), From TM to JERS-1 to ASTER; toward mineral identification with satellite data; Proceedings of the Eleventh thematic conference on geologic remote sensing; practical solutions for real world problems, paper presented at Eleventh thematic conference on Applied geologic remote sensing, Las Vegas, NV, United States, Feb. 27-29, 1996, , Environmental Research Institute of Michigan, Ann Arbor, MI, United States (USA).
Marshak, A., S. Platnick, T. Varnai, G. Wen, and R. F. Cahalan (2006), Impact of three-dimensional radiative effects on satellite retrievals of cloud droplet sizes, *Journal of Geophysical Research-Part D-Atmospheres, 111*(D9), 12.
Marshak, A. (2006), Three-Dimensional Radiative Transfer in Cloudy Atmospheres, paper presented at 2nd Asian-Pacific Radiation Symposium, , Ishikawa Japan.

Marshak, A., G. Wen, J. A. Coakley Jr., L. A. Remer, N. G. Loeb, and R. F. Cahalan (2008), A simple model for the cloud adjacency effect and the apparent bluing of aerosols near clouds, *Journal of Geophysical Research-Atmospheres, 113*(D14), D14S17, doi:10.1029/2007JD009196. 289

Martha, T. R., A. Guha, V. K. Kumranchat, M. V. V. Kamaraju, and E. V. R. Raju (2010), Recent coal-fire and land-use status of Jharia Coalfield, India from satellite data, *Int. J. Remote Sens., 31*(12), 3243-3262.
Marti-Cardona, B., T. E. Steissberg, S. G. Schladow, and S. J. Hook (2008), Relating fish kills to upwellings and wind patterns in the Salton Sea, *Hydrobiologia, 604*, 85-95.
Martin, D. M., T. K. Anderson, S. J. Troyer, and A. S. Yoshinobu (2007), Structural evolution of McKinney Hills laccolith-host rock system; Geological Society of America, South-Central Section, 41st annual meeting; Geological Society of America, North-Central Section, 41st annual meeting, *Abstracts with Programs - Geological Society of America, 39*(3), 70.
Martin, J. P. and R. D. Jacobi (2006), Understanding hydrothermal alteration of the Ordovician carbonate platform of New York State; implications for hydrocarbon exploration; GAC-MAC annual meeting; abstracts--AGC-AMC congres annuel; resumes, *Abstract Volume (Geological Association of Canada), 31*, 97.
Martinez-Beltran, C., M. A. Osann Jochum, A. Calera, and J. Melia (2009), Multisensor comparison of NDVI for a semi-arid environment in Spain, *Int. J. Remote Sens., 30*(5), 1355-1384, doi:10.1080/01431160802509025.
Martini, B. A., T. D. Cocks, P. A. Cocks, and W. L. Pickles (2004), Operational airborne hyperspectral remote sensing for global geothermal exploration, paper presented at IGARSS 2004. 2004 IEEE International Geoscience and Remote Sensing, 20-24 Sept. 2004; Science for Society: Exploring and Managing a Changing Planet. , IEEE.
Martonchik, J. V., D. J. Diner, R. A. Kahn, T. P. Ackerman, M. M. Verstraete, B. Pinty, and H. R. Gordon (1998), Techniques for the retrieval of aerosol properties over land and ocean using multiangle imaging, *IEEE Trans. Geosci. Remote Sens., 36*(4), 1212-1227.
Maruyama, Y., F. Yamazaki, S. Matsuzaki, H. Miura, and M. Estrada (2012), Evaluation of Building Damage and Tsunami Inundation Based on Satellite Images and GIS Data Following 290

the 2010 Chile Earthquake, *Earthquake Spectra, 28*, S165-S178, doi:http://dx.doi.org/10.1193/1.4000023.
Maruyama, Y. (2000), Newest technological trends of aerospace technology. Utilization of satellite data in various foreign countries and the trends. *Promoting Machine Industry in Japan, 33,NO.8*, PAGE.49-54.
MARUYAMA, Y. (2004), An Application of ASTER Data Analysis for Mineral Resources Exploration, *Journal of the Society of Instrument and Control Engineers, 43*(11), 884-886, doi:https://www.jstage.jst.go.jp/article/sicejl1962/43/11/43_11_884/_article.
Marzo, G. A., T. L. Roush, and R. C. Hogan (2009), Automated classification of visible and infrared spectra using cluster analysis, *Journal of Geophysical Research-Planets, 114*, E08001, doi:10.1029/2008JE003250.
Masek, J. G., E. F. Vermote, N. E. Saleous, R. Wolfe, F. G. Hall, K. F. Huemmrich, F. Gao, J. Kutler, and T. Lim (2006), A landsat surface reflectance dataset for North America, 1990-2000, *IEEE Geoscience and Remote Sensing Letters, 3*(1), 68-72.
Massironi, M., L. Bertoldi, P. Calafa, D. Visona, A. Bistacchi, C. Giardino, and A. Schiavo (2008), Interpretation and processing of ASTER data for geological mapping and granitoids detection in the Saghro massif (eastern Anti-Atlas, Morocco), *Geosphere, 4*(4), 736-759.
Massironi, M., G. Forlani, G. Cremonese, M. T. Capria, V. Da Deppo, L. Giacomini, G. Naletto, G. Pasquare, R. Roncella, and E. Flamini (2008), Simulations using terrestrial geological analogues to assess interpretability of potential geological features of the Hermean surface restituted by the STereo imaging Camera of the SIMBIOSYS package (BepiColombo mission), *Planet. Space Sci., 56*(8), 1079-1092.
Massom, R., V. Lytle, I. Allison, T. Worby, T. Markus, T. Scambos, T. Haran, H. Enomoto, K. Tateyama, and A. Pfaffling (2004), Validation of EOS Aqua AMSR Sea Ice Products for East Antarctica, paper presented at IGARSS 04, . 291

Master, S., R. G. Vaughan, and F. Fransson (2008), First direct observation of the generation, trans-oceanic transport, and stranding of dacitic pumice rafts in the South Pacific; the August 2006 eruption of Home Reef, Tonga, *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 33*, @Abstract 1342080.
Masuda, K. and T. Takashima (1996), Evaluation of ASTER input radiance considering the aerosol effect, paper presented at Infrared Spaceborne Remote Sensing IV, Aug 6-7 96, , Denver, CO.
Masumoto Hiromitsu, Okamoto Takeshi, A. H. , and M. Fukushima (1995), Thermal Design of the ASTER /SWIR.
Matano Yoneji, I. K. , G. Saito, and M. Kato (1999), Application of ASTER data to the agricultural land distribution map.
Matano, Y. (2004), Recent progress of satellite remote sensing technology for mineral resource exploration, *Chigaku Zasshi = Journal of Geography, 113*(6), 878-881.
Matarrese, R., M. Acquaro, A. Morea, K. Tijani, and M. T. Chiaradia (2008), Applications of remote sensing techniques for mapping Posidonia Oceanica meadows, paper presented at 2008 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2008, , IEEE.
Matheson, D. S. and P. E. Dennison (2012), Evaluating the effects of spatial resolution on hyperspectral fire detection and temperature retrieval, *Remote Sens. Environ., 124*, 780-792, doi:http://dx.doi.org/10.1016/j.rse.2012.06.026.
Mathieu, R., T. Chinn, and B. Fitzharris (2009), Detecting the equilibrium-line altitudes of New Zealand glaciers using ASTER satellite images, *N. Z. J. Geol. Geophys., 52*(3), 209-222.
Matinfar, H. R., F. Sarmadian, and S. K. Alavipanah (2011), Use of DEM and ASTER sensor data for soil and agricultural characterizing, *International Agrophysics, 25*(1), 37-46. 292

Matsumoto, M. and K. Arai (1993), The .EPSILON.-T separation with the approximation of the spectral emissivity by orthogonal function expansion.
Matsumoto-moriyama, M. and K. Arai (1993), Some ideas for iterative estimation of atmospheric condition, surface temperature and emissivity, paper presented at Proceedings of the 13th Annual International Geoscience and Remote Sensing Symposium, Aug 18-21 1993, , Publ by IEEE, Piscataway, NJ, USA.
Matsumoto-Moriyama, M. and K. Arai (1994), An inversion for emissivity-temperature separation with ASTER data, *Advances in Space Research, 14*(3), 67-70.
Matsunaga T, Nonaka T, S. Y. , M. Moriyama, H. Tonooka, and H. Fukasawa (2000), Cross Calibration of Terra ASTER , Landsat -7 ETM+, and MASTER in the Thermal Infrared Region Using Ground Targets. Lake Tahoe, March 2000.
Matsunaga Tsuneo, N. T. , M. Moriyama, H. Tonooka, and N. Doi (2000), Validation of calibration accuracy of an airborne thermal infrared sensor by ground measurements-Salton Sea, Jan 1999.
Matsunaga Tsuneo, Hoyano Akira, Izawa Kazutoshi, and M. Y. (2001), Preliminary study on environmental monitoring of subtropical shallow water areas using ASTER image.
Matsunaga Tsuneo, Nonaka Takashi, S. Y. , M. Moriyama, H. Tonooka, and H. Fukasawa (2001), Vicarious calibration of ASTER TIR and ETM+ thermal infrared band using ground targets. Salton Sea and Railroad Valley, June 2000.
Matsunaga, T., T. Nonaka, Y. Sawabe, N. M., H. Tonooka, and H. Fukasawa (2001), Cross and Vicarious Calibration Experiments for Terra ASTER and Landsat-7 ETM+ in the Thermal Infrared Region Using Hot Ground Targets , paper presented at Proceedings of the CEReS international symposium on remote sensing of the atmosphere and validation of satellite data, . 293

Matsunaga, T., T. Nonaka, Y. Sawabe, M. Moriyama, H. Tonooka, and H. Fukasawa (2001), Vicarious and cross calibration methods for satellite thermal infrared sensors using hot ground targets, paper presented at 2001 International Geoscience and Remote Sensing Symposium (IGARSS 2001), Jul 9-13 2001, , Institute of Electrical and Electronics Engineers Inc.
MATSUNAGA, T. (1993), The difference between laboratory and in-situ pixel-averaged emissivity: The effects on temperature-emissivity separation, paper presented at JPL, Summaries of the 4th Annual JPL Airborne Geoscience Workshop. Volume 2: TIMS Workshop p 5-8 (SEE N95-23917 07-42); UNITED STATES, .
Matsunaga, T. (1994), Water Surface Temperature Estimation Using ASTER TIR. 2. The Effect of the Measurement Noise.
Matsunaga, T. (1994), Water Surface Temperature Estimation Using ASTER TIR. LOWTRAN 7 Simulation.

Matsunaga, T. (1996), Water Surface Temperature Estimation Using Linear Equations of Brightness Temperature Observed by Advanced Spaceborne Thermal Emission and Reflection Radiometer /Thermal Infrared Radiometer (ASTER TIR). Preliminary Evaluation of Estimation Error with Atmospheric Temperature and Humidity Data around Japan. *Journal of Remote Sensing Society of Japan, 16,NO.5*, PAGE.404-415.
Matsunaga, T. and T. Fujitani (2004), Observation of recent land cover changes in Tsukuba area using ASTER data.
Matsunaga, T. and T. Fujitani (2005), Analysis of the relationship between land cover changes and thermal environment in Tsukuba using ASTER data.
Matsunaga, T., Hoyano Akira, and I. Y. (2002), Preliminary study of using MODIS data for the estimation of evapotranspiration.
Matsunaga, T., Hoyano Akira, and I. K. (2001), Subtropical shallow water sea floor distribution map using ASTER VNIR/ Landsat TM image. 294

Matsunaga, T., Ito Yu, N. T. , M. Moriyama, and H. Tonooka (2001), Vicarious calibration of ASTER TIR using ground targets. Salton Sea and Railroad Valley, June 2001.
Matsunaga, T., Rokugawa Shuichi, and I. Y. (1993), Application of the Split Window Technique to Thermal Infrared Multispectral Scanner(TIMS) Data. *Journal of Remote Sensing Society of Japan, 13,NO.2*, PAGE.89-101.
Matsunaga, T. and S. Rokugawa (1993), Simulated Images of LANDSAT TM, NOAA AVHRR, and ASTER TIR Thermal Channels From TIMS Data-San Francisco Bay, California.
MATSUNAGA, T., S. ROKUGAWA, and Y. ISHII (1992), Application of split window technique to TIMS data, paper presented at JPL, Summaries of the Third Annual JPL Airborne Geoscience Workshop. Volume 2: TIMS Workshop p 16-18 (SEE N94-16595 03-42); UNITED STATES, .
Matsunaga, T., S. Rokugawa, H. Tonooka, Kannari Yoshiaki, and O. K. (1996), The Field Experiment for the ASTER Vicarious Calibration in the Thermal Infrared Region (1).
Matsunaga, T., Sawabe Yoriko, H. A. , and S. Rokugawa (2001), Validation of ASTER TES algorithm using ASTER and TIMS data.
Matsunaga, T., Y. Sawabe, S. Rokugawa, H. Tonooka, and M. Moriyama (2002), Early evaluation of ASTER emissivity products and its application to environmental and geologic studies, paper presented at Infrared Spaceborne Remote Sensing IX, Aug 1-3 2001, , The International Society for Optical Engineering, San Diego, CA.
Matsunaga, T., Ueki Toshiaki, N. M. , and T. Tachikawa (2002), Validation of ASTER water surface temperature algorithm using in-situ water temperature data in Tokyo Bay.
Matsuoka, M. and S. Kodama (2011), Coseismic displacement measurement of the 2010 El Mayor, Mexico earthquake by subpixel correlation from optical satellite images, paper presented at 2011 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2011, July 24, 2011 - July 29, 2011, , Institute of Electrical and Electronics Engineers Inc, Vancouver, BC, Canada. 295

Matsuoka, Y., H. Kawamura, F. Sakaida, and K. Hosoda (2011), Retrieval of high-resolution sea surface temperature data for Sendai Bay, Japan, using the Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER), *Remote Sens. Environ., 115*(1), 205-213, doi:10.1016/j.rse.2010.08.018.
Matsushita, B., Y. Onda, M. Xu, Y. Otsuki, and M. Toyota (2006), Detecting Forest Degradation in Kouchi, Japan Using Visible, Near-IR, Mid-IR, and Thermal- IR Data from ASTER, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
Matsushita, B., Y. Onda, M. Xu, and M. Toyota (2005), Detecting forest degradation in Kochi, Japan: Combining in situ field measurements with remote sensing techniques, paper presented at 2005 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2005, Jul 25-29 2005, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Matsushita, B., M. Toyota, and Y. Onda (2005), Extraction of devastated forest plantation from analysis of ASTER data - A case study on Hinoki forest plantation in Kouchi , Japan, paper presented at [Meeting: volume title in Japanese], , Japanese Forest Society.
Matsushita, B., M. Xu, Y. Onda, Y. Otsuki, and M. Toyota (2010), Detecting forest degradation in Kochi, Japan: Ground-based measurements versus satellite (Terra/ASTER) remote sensing, *Hydrol. Process., 24*(5), 588-595.

Matthews, J. P. and T. Awaji (2010), Synoptic mapping of internal-wave motions and surface currents near the Lombok Strait using the Along-Track Stereo Sun Glitter technique, *Remote Sens. Environ., 114*(8), 1765-1776, doi:10.1016/j.rse.2010.03.007.
Matthews, J. P., S. R. Wallis, and Y. Yamaguchi (2004), ASTER views a high altitude Tibetan lake in stereo, *EOS Trans. Am. Geophys. Union, 85*(43), 435-439-440.
Matthews, J. P., X. D. Yang, J. Shen, and T. Awaji (2008), Structured Sun glitter recorded in an ASTER along-track stereo image of Nam Co Lake (Tibet): An interpretation based on 296

supercritical flow over a lake floor depression, *Journal of Geophysical Research-Oceans, 113*(C1), C01019-C01019.
Matthews, J. (2005), Stereo observation of lakes and coastal zones using ASTER imagery, *Remote Sens. Environ., 99*(1-2), 16-30.
Matthias, B. and H. Martin (2004), Mapping imperviousness using NDVI and linear spectral unmixing of ASTER data in the Cologne-Bonn region (Germany), paper presented at Remote Sensing for Environmental Monitoring, GIS Applications, and Geology III, Sep 9-11 2003, , International Society for Optical Engineering, Bellingham, WA 98227-0010, United States, Barcelona, Spain.
Maturilli, A. and J. Helbert (2008), Martian analogues emissivity spectra from the Berlin Emissivity Database (BED) in the [3-50] mu m spectral region; Lunar and planetary science; XXXIX; papers presented to the Thirty-ninth lunar and planetary science conference, *LPI Contribution, 1391*, @Abstract 1278.
Mauger, A. J. (2003), Comparison of various remote sensing and spectral radiometer instruments, *MESA Journal, 29*, 26-29.
May, J. and H. (. Veit (2006), Geomorphological indicators of large-scale climatic changes in the eastern Bolivian lowlands; Palaeo-Geooekologie der Zentralen Anden. Paleo-geoecology of the Central Andes, *Geographica Helvetica, 62*(2), 120-134.
MAYER Helmut and U. C. HERZFELD (2008), The Rapid Retreat of Jakobshavns Isbrae, West Greenland : Field Observations of 2005 and Structural Analysis of its Evolution, *Natural resources research : (New York, N.Y.), 17*, 167-179.
Mayer, H. and U. C. Herzfeld (2008), The rapid retreat of Jakobshavns Isbrae, West Greenland; field observations of 2005 and structural analysis of its evolution, in *Progress in geomathematics,* , edited by G. F. Bonham-Carter et al, Springer. 297

Mayer, D. P., R. E. Arvidson, A. Wang, P. Sobron, and M. P. Zheng (2009), Mapping minerals at a potential Mars analog site on the Tibetan Plateau, *LPI Contribution, 1468*, 1877.
Mayer, H. and U. C. Herzfeld (2006), Jakobshavns Isbrae, West Greenland: Structural Evolution During Transition from Stable Fast Flow to Rapid Retreat, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
Mayer, H. and U. C. Herzfeld (2004), Recent changes in the dynamics of Alaskan glaciers derived from geomathematical analysis of ASTER satellite data and field observations; Italia 2004; 32nd international geological congress; abstracts, *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 32*, 99.
Mayumi, N. and A. Iwasaki (2011), Image sharpening using hyperspectral and multispectral data, paper presented at 2011 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2011, July 24, 2011 - July 29, 2011, , Institute of Electrical and Electronics Engineers Inc, Vancouver, BC, Canada.
McAdoo, B. G., N. Richardson, and J. Borrero (2007), Inundation distances and run-up measurements from ASTER, QuickBird and SRTM data, Aceh coast, Indonesia, *Int. J. Remote Sens., 28*(13), 2961-2975.
McCabe, M. F. and E. F. Wood (2006), Scale influences on the remote estimation of evapotranspiration using multiple satellite sensors, *Remote Sens. Environ., 105*(4), 271-285.
McCarthy, E., G. Bluth, I. M. Watson, W. Rose, A. Tupper, and Y. Kamada (2003), Detection and fate of the August 18 and 28, 2000 eruption clouds of Miyake Jima, Japan; an analysis using TOM, MODIS, AVHRR, GMS, and ASTER; AGU 2003 fall meeting, *EOS Trans. Am. Geophys. Union, 84*(46).
McCarty, J. L., T. Loboda, and S. Trigg (2008), A hybrid remote sensing approach to quantifying crop residue burning in the United States, *Appl. Eng. Agric., 24*(4), 515-527. 298

McFadden, E. M., J. Ramage, and D. T. Rodbell (2011), Landsat TM and ETM plus derived snowline altitudes in the Cordillera Huayhuash and Cordillera Raura, Peru, 1986-2005, *Cryosphere, 5*(2), 419-430, doi:10.5194/tc-5-419-2011.
McFadden, E., J. M. Ramage, and D. T. Rodbell (2006), Landsat TM and ETM+ derived equilibrium line altitudes and their implications, Cordillera Huayhuash, Peru, 1986-2005, *Abstracts with Programs - Geological Society of America, 38*(7), 97.
McInerney, M. and R. Lozar (2008), Deriving a normalized difference thermal index (ndti) from aster satellite imagery1, paper presented at American Society for Photogrammetry and Remote Sensing Annual Conference 2008 - Bridging the Horizons: New Frontiers in Geospatial Collaboration, April 28, 2008 - May 2, 2008, Portland, OR, , American Society for Photogrammetry and Remote Sensing.
McKenney, R., J. F. Payne, J. Ramage, B. Kortlever, and J. Apgar (2005), Sub-arctic climate variability indicated by patterns of channel change in the upper Yukon Basin, Yukon Territory, Canada; Geological Society of America, 2005 annual meeting, *Abstracts with Programs - Geological Society of America, 37*(7), 224.
McLaurin, B. T. (2008), Reconnaissance geology of the Boquillas and Ocuca Hills, northern Sonora, Mexico, *Abstracts with Programs - Geological Society of America, 40*(6), 198.
McNamara, D. E. and R. I. Boaz (2011), PQLX; a seismic data quality control system description, applications, and users manual, *U.S. Geological Survey Open File Report, OF 2010-1292*, 41.
McRivette, M. W., A. Yin, and Chen Xuanhua (2004), South-directed backthrusting beneath the eastern Kunlun Shan; implications for mechanisms of plateau growth; Geological Society of America, 2004 annual meeting, *Abstracts with Programs - Geological Society of America, 36*(5), 50. 299

Mege, D. and R. Schultz (2007), Sublinear displacement-length scaling of igneous dikes in basalt, *EOS Trans. Am. Geophys. Union, 88*(52, Suppl.), @Abstract T11A-0340.
Meigs, S. F., W. J. W. Williams, and M. E. McMillan (2004), GIS and remote sensing applied to the Quaternary Potrillo volcanic field, southern Rio Grande Rift; Geological Society of America, Rocky Mountain Section, 56th annual meeting; Geological Society of America, Cordilleran Section, 100th annual meeting, *Abstracts with Programs - Geological Society of America, 36*(4), 79.
Meissner, B., D. Wyss, H. Hoffmann, and S. Teusan (2006), Application of remote sensing and GIS for sustainable forest management and capacity building in Mongolia, paper presented at 27th Asian Conference on Remote Sensing, ACRS 2006, October 9, 2006 - October 13, 2006; Ulaanbaatar, Mongolia, , Asian Association on Remote Sensing.
Mejias, M., B. J. Ballesteros, C. Anton Pacheco, J. A. Dominguez, J. Garcia Orellana, E. Garcia Solsona, and P. Masque (2012), Methodological study of submarine ground water discharge from a karstic aquifer in the Western Mediterranean Sea, *Journal of Hydrology, 464-465*, 27-40, doi:http://dx.doi.org/10.1016/j.jhydrol.2012.06.020.
Melendez-Pastor, I., J. Navarro-Pedreno, M. Koch, and I. Gomez (2010), Applying imaging spectroscopy techniques to map saline soils with ASTER images, *Geoderma, 158*(1-2), 55-65.
Mellors, R. J., T. Bunyapanasarn, and B. Panahi (2002), Preliminary InSAR Analysis of Lokbatan mud Volcano Near Baku, Azerbaijan, *51*, 0951.
Mellors, R. J. and B. Panahi (2003), Analysis of mud volcanoes on the Absheron Peninsula, Azerbaijan using InSAR, *EOS Transactions, American Geophysical Union, 51*, 0400.
Mellors, R. J., T. Bunyapanasarn, and B. M. Panahi (2005), InSAR analysis of the Absheron Peninsula and nearby areas, Azerbaijan; Mud volcanoes, geodynamics and seismicity, *NATO Science Series.Series IV, Earth and Environmental Sciences, 51*, 201-209. 300

Meltzner, A. J., K. Sieh, M. Abrams, C. D. Agnew, K. W. Hudnut, J. Avouac, and D. H. Natawidjaja (2006), Uplift and subsidence associated with the great Aceh-Andaman earthquake of 2004, *Journal of Geophysical Research, 111*(B2), 8, doi:10.1029/2005Jb003891.
Meneses III, S. F. M. (2011), Comparison and assessment of SRTM and ASTER GDEM against national topographic maps as DEM sources for Leyte geothermal production field, Philippines, paper presented at 32nd Asian Conference on Remote Sensing 2011, ACRS 2011, October 3, 2011 - October 7, 2011, Tapei, Taiwan, , Asian Association on Remote Sensing.
Mengesha, A. B. and M. G. Abdelsalam (2001), Comparison and data fusion of ASTER, ETM+ and SIR-C/X-SAR imagery for geological mapping in arid regions; the Afar Depression, Ethiopia; Geological Society of America, 2001 annual meeting, *Abstracts with Programs - Geological Society of America, 33*(6), 288-289.

Menzies, J., R. Jensen, E. Brondizio, E. Moran, and P. Mausel (2007), Accuracy of neural network and regression leaf area estimators for the Amazon Basin, *Geoscience & Remote Sensing, 44*(1), 82-92.
Mercer, J. B., D. Edwards, J. Maduck, G. Hong, and Y. Zhang (2005), Fusion of high resolution radar and low resolution multi-spectral optical imagery, paper presented at 2005 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2005, Jul 25-29 2005, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Merlin, O., A. Al Bitar, J. P. Walker, and Y. Kerr (2009), A sequential model for disaggregating near-surface soil moisture observations using multi-resolution thermal sensors, *Remote Sens. Environ., 113*(10), 2275-2284.
Merlin, O., B. Duchemin, O. Hagolle, F. Jacob, B. Coudert, G. Chehbouni, G. Dedieu, J. Garatuza, and Y. Kerr (2010), Disaggregation of MODIS surface temperature over an 301

agricultural area using a time series of Formosat-2 images, *Remote Sens. Environ., 114*(11), 2500-2512.
Merlin, O., F. Jacob, J. Wigneron, J. Walker, and G. Chehbouni (2012), Multidimensional Disaggregation of Land Surface Temperature Using High-Resolution Red, Near-Infrared, Shortwave-Infrared, and Microwave-L Bands, *IEEE Trans. Geosci. Remote Sens., 50*(5), 1864-1880, doi:http://dx.doi.org/10.1109/TGRS.2011.2169802.
Merrill, M. D., H. Folger, B. Hubbard, and W. R. Page (2006), Soil geochemistry and geology in the lower Rio Grande Valley, Texas; Geological Society of America, 2006 annual meeting, *Abstracts with Programs - Geological Society of America, 38*(7), 136.
Mertes, J. R., M. P. Bishop, J. F. Shroder, U. K. Haritashya, H. N. Bulley, and J. A. Olsenholler (2007), Glacial Velocity Changes of Batura Glacier, Western Karakoram Himalaya, *EOS Transactions, American Geophysical Union, 88*(52,; Suppl. Volume 1-2).
Messager, G., B. Niviere, J. Martinod, P. Lacan, and J. P. Xavier (2010), Geomorphic evidence for Plio-Quaternary compression in the Andean foothills of the southern Neuquen Basin, Argentina, *Tectonics, 29*(4), TC4003, doi:http://dx.doi.org/10.1029/2009TC002609.
Messinger, D. W., D. McKeown, N. Raqueno, S. Cavilia, C. DeAngelis, S. Maitra, and W. Sun (2011), Production of imagery-derived maps to aid the Japanese earthquake/tsunami relief effort , paper presented at Imaging Spectrometry XVI, , SPIE, San Diego, CA.
Metelka, V. (2007), Vyuziti dalkoveho pruzkumu Zeme a GIS v geologickych vedach (Mongolsko, Kostarika). Use of remote sensing and GIS in geological sciences (Mongolia, Costa Rica), paper presented at 3. sjezd Ceske geologicke spolecnosti, Volary, CZE, Czech Republic, Sept. 19-22, 2007, , Ceska Geologicka Spolecnost, Prague, Czech Republic (CZE).
Metelka, V., L. Baratoux, M. Jessell, and S. Naba (2010), Regolith landform mapping based on remote sensing data and airborne geophysics in western Burkina Faso, *Geophysical Research Abstracts, 12*, EGU2010-6676-6676. 302

Metelka, V., L. Baratoux, S. Naba, and M. W. Jessell (2011), A geophysically constrained litho-structural analysis of the Eburnean greenstone belts and associated granitoid domains, Burkina Faso, West Africa, *Precambrian Res., 190*(1-4), 48-69, doi:http://dx.doi.org/10.1016/j.precamres.2011.08.002.
Meyer, D. and G. Chander (2006), Cross-calibration of A.M. constellation sensors for long term monitoring of land surface processes, paper presented at Multispectral, Hyperspectral, and Ultraspectral Remote Sensing Technology, Techniques, and Applications, , International Society for Optical Engineering, Bellingham WA, WA 98227-0010, United States.
Mezned, N., S. Abdeljaoued, and M. R. Boussema (2008), Unmixing based landsat ETM+ and ASTER image fusion for hybrid multispectral image analysis, paper presented at 2007 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2007, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Mezned, N., S. Abdeljaoued, and M. R. Boussema (2010), A comparative study for unmixing based Landsat ETM plus and ASTER image fusion, *International Journal of Applied Earth Observation and Geoinformation, 12*, S131-S137, doi:10.1016/j.jag.2009.11.007.
Miao, F., J. Li, C. Ye, L. Li, Q. Wang, B. Wu, and H. Luo (2009), A survey of land use in lugu lake using multispectral remote sensing, paper presented at 2nd International Conference on Earth Observation for Global Changes, May 25, 2009 - May 29, , SPIE, Chengdu, China.

Michel, U. (2005), Advanced automated classification strategy for settlement area detection, paper presented at Remote Sensing for Environmental Monitoring, GIS Applications, and Geology V; Bruges; Belgium; 19-20 Sept. 2005, .
Michishita Ryo, Furuta Akihiro, O. S. , A. Iwasaki, and H. Fujisada (1999), A study on estimating MTF of ASTER data.
Michishita, R., A. Iwasaki, H. Fujisada, and S. Obayashi (2001), Analysis of Registration Trend of ASTER data with Revision of Geometric Database. 303

Middel, A., A. J. Brazel, S. Kaplan, and S. W. Myint (2012), Daytime cooling efficiency and diurnal energy balance in Phoenix, Arizona, USA, *Clim. Res., 54*(1), 21-34, doi:http://dx.doi.org/10.3354/cr01103.
Mied, R. P., T. F. Donato, and C. T. Friedrichs (2006), Eddy generation in the tidal Potomac river, *Estuaries and Coasts, 29*(6B), 1067-1080.
Mied, R. P., T. F. Donato, and W. Chen (2006), Use of Visible Satellite Imagery to Determine Velocity in Tidal Rivers, *EOS, Transactions, American Geophysical Union, 87*(5).
Miege, C., A. Rabatel, Y. Arnaud, A. Racoviteanu, P. Wagnon, and P. Chevallier (2009), Mass balance fluctuations of Chhota Shigri Glacier estimated from remotely sensed snow line altitudes, *Geophysical Research Abstracts, 11*, EGU2009-4037.
Mihalcea, C., B. W. Brock, G. Diolaiuti, C. D'Agata, M. Citterio, M. P. Kirkbride, M. E. J. Cutler, and C. Smiraglia (2008), Using ASTER satellite and ground-based surface temperature measurements to derive supraglacial debris cover and thickness patterns on Miage Glacier (Mont Blanc Massif, Italy), *Cold Reg. Sci. Technol., 52*(3), 341-354.
Mihalcea, C., B. W. Brock, G. Diolaiuti, C. D'Agata, M. Citterio, M. P. Kirkbride, C. Smiraglia, and M. E. J. Cutler (2007), Comparison of ground based and ASTER derived measurements of surface temperature and supraglacial debris thickness on Miage Glacier, Mont Blanc Massif, Italy,.
Mihalcea, C., C. Mayer, G. Diolaiuti, C. D'Agata, C. Smiraglia, A. Lambrecht, E. Vuillermoz, G. Tartari, and J. (. Jacka (2008), Spatial distribution of debris thickness and melting form remote-sensing and meteorological data, at debris-covered Baltoro Glacier, Karakoram, Pakistan; Papers from the cryspheric section of the International Union of Geodesy and Geophysics meeting, *Annals of Glaciology, 48*, 49-57, doi:10.3189/172756408784700680. 304

Milewski, A., M. Sultan, E. Yan, R. Becker, A. Abdeldayem, F. Soliman, and K. A. Gelil (2009), A remote sensing solution for estimating runoff and recharge in arid environments, *Journal of Hydrology, 373*(1-2), 1-14.
Miliaresis, G. C. and C. V. E. Paraschou (2011), An evaluation of the accuracy of the ASTER GDEM and the role of stack number: a case study of Nisiros Island, Greece, *Remote Sens. Lett., 2*(2), 127-135, doi:10.1080/01431161.2010.503667.
Miller, P. E., M. Kunz, J. P. Mills, M. A. King, T. Murray, T. D. James, and S. H. Marsh (2009), Assessment of Glacier Volume Change Using ASTER-Based Surface Matching of Historical Photography, *IEEE Trans. Geosci. Remote Sens., 47*(7), 1971-1979, doi:10.1109/TGRS.2009.2012702.
Millington, A. C., K. White, N. A. Drake, G. Wadge, and D. J. Archer (1995), Remote sensing of geomorphological processes and surficial material geochemistry in drylands; Advances in environmental remote sensing, paper presented at Institute of British Geographers annual conference, , John Wiley & Sons, Chichester, United Kingdom (GBR), Nottingham, United Kingdom.
Mills, F., Y. Kannari, H. Watanabe, M. Sano, and S. H. Chang (1994), Thermal airborne multispectral ASTER simulator and its preliminary results, *Advances in Space Research, 14*(3), 10; p. (3)49-(3)58.
Mingyi Du and Guoyin Cai (2012), Spatial and temporal dynamics of land cover in Beijing, paper presented at 2012 IEEE International Geoscience and Remote Sensing Symposium (IGARSS), 22-27 July 2012, Munich, Germany, .
Mingyi, D., W. Qianwei, and C. Guoyin (2009), Temporal and spatial variations of urban heat island effect in Beijing using ASTER and TM data, paper presented at 2009 Joint Urban Remote Sensing Event, May 20, 2009 - May 22, , IEEE Computer Society. 305

Minomura Mitsuo, Kuze Hiroaki, and T. N. (2004), Derivation of surface albedo and aerosol optical thickness from Landsat7 ETM+ image using MODTRAN4 simulation.

Mira, M., T. Schmugge, E. Valor, V. Caselles, and C. Coll (2008), Comparison of field emissivities with laboratory measurements and ASTER data, paper presented at Remote Sensing for Agriculture, Ecosystems, and Hydrology X, , SPIE - The International Society for Optical Engineering.
Mira, M., T. J. Schmugge, E. Valor, V. Caselles, and C. Coll (2011), Analysis of ASTER Emissivity Product Over an Arid Area in Southern New Mexico, USA, *IEEE Trans. Geosci. Remote Sens., 49*(4), 1316-1324, doi:10.1109/TGRS.2010.2061858.
Mira, M., T. J. Schmugge, E. Valor, V. Caselles, and C. Coll (2009), Comparison of thermal infrared emissivities retrieved with the two-lid box and the TES methods with laboratory spectra, *IEEE Trans. Geosci. Remote Sens., 47*(4), 1012-1021.
Mirza, M., G. Dawod, and K. Al-Ghamdi (2011), Accuracy and relevance of Digital Elevation Models for Geomatics applications - A case study of Makkah Municipality, Saudi Arabia, *International Journal of Geomatics and Geosciences, 1*(4), 803-812.
Mishra, N., K. Honda, and A. V. Kulkarni (2007), Assessment of glacial mass balance using ASTER data and comparison with in-situ measurements; Chota Shingri Glacier, India, paper presented at IUGG XXIV general assembly, Perugia, ITA, Italy, July 2-13, 2007, , IUGG, [location varies], International (III).
Misner, T. J. (2003), Multi-frequency, multi-temporal, brush fire scar analysis in a semi-arid urban environment,.
Misra, A., R. P. Gupta, and A. K. Sen (2007), Multispectral remote sensing based alteration and lithology mapping in Khetri copper belt, northwest India, *Abstracts with Programs - Geological Society of America, 39*(6), 572. 306

Misra, A., R. P. Gupta, and A. K. Sen (2007), On the use of Aster VNIR-SWIR data to map rock alteration associated with mineralization in Khetri copper belt, India, paper presented at Earth; our changing planet; proceedings of IUGG XXIV general assembly , Perugia, ITA, Italy, July 2-13, 2007, , IUGG, [location varies], International (III).
Misra, A., R. P. Gupta, and A. K. Sen (2008), Using ASTER TIR radiance and surface emissivity data to map lithology and silica abundance in a metamorphic terrain, paper presented at 2007 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2007, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Misra, S., M. Arif, N. Basavaiah, P. K. Srivastava, and A. Dube (2010), Structural and anisotropy of magnetic susceptibility (AMS) evidence for oblique impact on terrestrial basalt flows: Lonar crater, India, *Geological Society of America Bulletin, 122*(3-4), 563-574, doi:10.1130/B26550.1.
Mitchell, A. and R. M. Lucas (2001), Integration of aerial photography, hyperspectral and SAR data for mangrove characterization, paper presented at 2001 International Geoscience and Remote Sensing Symposium (IGARSS 2001), Jul 9-13 2001, , Institute of Electrical and Electronics Engineers Inc.
Mitra, D. S. and T. J. Majumdar (2004), Thermal inertia mapping over the Brahmaputra basin, India using NOAA-AVHRR data and its possible geological applications, *Int. J. Remote Sens., 25*(16), 3245-3260.
Mitraka, Z., N. Chrysoulakis, Y. Kamarianakis, P. Partsinevelos, and A. Tsouchlaraki (2012), Improving the estimation of urban surface emissivity based on sub-pixel classification of high resolution satellite imagery, *Remote Sensing of Environment, 117*, 125-134.
Mitsuishi, M., S. R. Wallis, M. Aoya, J. Lee, and Y. Wang (2012), E-W extension at 19 Ma in the Kung Co area, S. Tibet; evidence for contemporaneous E-W and N-S extension in the Himalayan orogen, *Earth Planet. Sci. Lett., 325-326*, 10-20, doi:http://dx.doi.org/10.1016/j.epsl.2011.11.013. 307

Mitsuishi, M., S. R. Wallis, M. Aoya, J. Lee, and M. Whitehouse (2010), 19 Ma ductile E-W extension associated with normal faulting in the Kung Co area, southern Tibet, *U.S. Geological Survey Open File Report, OF 2010-1099*, @unpaginated.
Mitsuzuka, N. and W. Ohira (2008), Advantage of MODIS time series NDVI data for forest situation analysis in case of Cambodia, paper presented at 29th Asian Conference on Remote Sensing 2008, ACRS 2008, November 10, 2008 - November 14, 2008, Colombo, Sri Lanka, , Asian Association on Remote Sensing.
Miura, T., H. Yoshioka, K. Fujiwara, and H. Yamamoto (2008), Inter-comparison of ASTER and MODIS surface reflectance and vegetation index products for synergistic applications to natural resource monitoring, *Sensors, 8*(4), 2480-2499.

Miyake, T., H. Ohmae, K. Nakamura, C. Hongo, and F. Nishio (2012), Characteristic of reflectance and snow grain size in slope area using ASTER image, *Summaries of JSSI and JSSE Joint Conference on Snow and Ice Research, 2012*, 165, doi:https://www.jstage.jst.go.jp/article/jcsir/2012/0/2012_165/_pdf.
Miyake, T., H. Ohmae, K. Nakamura, and F. Nishio (2009), Characteristic classification of snow slope based on satellite images, *Summaries of JSSI and JSSE Joint Conference on Snow and Ice Research, 2009*, 158-158, doi:https://www.jstage.jst.go.jp/article/jcsir/2009/0/2009_0_158/_article.
Miyake, T., H. Ohmae, K. Nakamura, and F. Nishio (2010), Correction of satellite images based on the spectral characteristic of a sloped surface measured in the cold laboratory, *Summaries of JSSI and JSSE Joint Conference on Snow and Ice Research, 2010*, 155-155, doi:https://www.jstage.jst.go.jp/article/jcsir/2010/0/2010_0_155/_article.
Miyake, T., H. Ohmae, K. Nakamura, and F. Nishio (2011), Feasibility of snow grain size estimation in slope area using visible and near-infrared bands from ASTER imagery, *Summaries of JSSI and JSSE Joint Conference on Snow and Ice Research, 2011*, 168-168, doi:https://www.jstage.jst.go.jp/article/jcsir/2011/0/2011_0_168/_pdf. 308

Miyaoka, K. and M. Maki (2011), Analysis of the detection methods for rice paddy area using multi-temporal Terra/ASTER data, paper presented at 32nd Asian Conference on Remote Sensing 2011, ACRS 2011, October 3, 2011 - October 7, 2011, Tapei, Taiwan, , Asian Association on Remote Sensing.
Miyazaki, H., K. Itabashi, X. Shao, K. Iwao, and R. Shibasaki (2011), High-resolution urban area map for 3372 cities of the world, paper presented at 32nd Asian Conference on Remote Sensing 2011, ACRS 2011, October 3, 2011 - October 7, 2011, Tapei, Taiwan, , Asian Association on Remote Sensing.
Miyazaki, H., K. Iwao, and R. Shibasaki (2008), Development of new urban extent map with integration of ASTER satellite images and existing urban extent maps, paper presented at 29th Asian Conference on Remote Sensing 2008, ACRS 2008, November 10, 2008 - November 14, 2008, Colombo, Sri Lanka, , Asian Association on Remote Sensing.
Miyazaki, H., X. Shao, K. Iwao, and R. Shibasaki (2010), Global urban area mapping using global aster satellite images, paper presented at 31st Asian Conference on Remote Sensing 2010, ACRS 2010, November 1, 2010 - November 5, 2012, Hanoi, Viet Nam, , Asian Association on Remote Sensing.
Miyazaki, H., A. Tanaka, K. Iwao, and R. Shibasaki (2009), A Method for Developing Urban Extent Map of High Accuracy and Resolution by Integrating ASTER/VNIR Images and Existing Urban Extent Maps, *Journal of the Japan Society of Photogrammetry and Remote Sensing, 48*(2), 82-96, doi:10.4287/jsprs.48.82.
Miyazaki, Y., Kaku Manabu, and W. H. (1995), DEM Generation with ASTER Stereo Data. *Journal of Remote Sensing Society of Japan, 15,NO.2*, PAGE.182-189.
Miyazaki, Y., M. Kaku, Tokumitsu Mitsuharu, and H. S. (1995), DEM Generation with ASTER Stereo Data. 309

Miyazaki, Y., M. Kaku, and H. Tsu (1996), DEMs (digital terrain models) from ASTER VNIR stereo data; 30th international geological congress; abstracts, *International Geological Congress, Abstracts--Congres Geologique Internationale, Resumes, 30*, 463.
Miyazaki, Y., T. Osanai, and H. Watanabe (1993), Digital terrain model of JERS-1 data for ASTER VNIR stereo application, paper presented at Proceedings of the 13th Annual International Geoscience and Remote Sensing Symposium IGARSS'93, Aug 18-21 1993, , Publ by IEEE, Piscataway, NJ, USA, Tokyo, Japan.
Mobasher, K. (2007), Kinematic and tectonic significance of the fold- and fault-related fracture systems in the Zagros Mountains, southern Iran, *DAI*, 143, doi:http://digitalarchive.gsu.edu/cgi/viewcontent.cgi?article=1000&context=geosciences_diss&sei-redir=1&referer=http%3A%2F%2Fwww.google.com%2Furl%3Fsa%3Dt%26rct%3Dj%26q%3D%2522kinematic%2520and%2520tectonic%2520significance%26source%3Dweb%26cd%3D2%26sqi%3D2%26.
Mobasher, K., E. H. Hendrix, H. A. Babaie, Z. Yin, A. A. Hassanipak, M. G. Abdel-Salam, and M. Ghazi (2002), Structural GIS analysis of the Khoy ophiolite complex, northwestern Iran; Geological Society of America, 2002 annual meeting, *Abstracts with Programs - Geological Society of America, 34*(6), 412.

Mobasheri, M. R., M. Chahardoli, and M. Farajzadeh (2010), Introducing PASAVI and PANDVI Methods for Sugarcane Physiological Date Estimation, Using ASTER Images, *Journal of Agricultural Science and Technology, 12*(3), 309-320.
Mobasheri, M. R., H. S. Moghadam, and S. Shayan (2010), An Introduction to MODISI and SCMOD Methods for Correction of the MODIS Snow Assessment Algorithm, *Journal of the Indian Society of Remote Sensing, 38*(4), 674-685, doi:10.1007/s12524-011-0082-6.
Moersch, J. E., J. Farmer, A. Baldridge, A. D. Howard, J. Moore, J. Rice, and Lunar and Planetary Institute, Houston, TX,United States (USA) (2001), Remote sensing of evaporite 310

minerals in Badwater Basin, Death Valley, at varying spatial scales and in different spectral regions [Mars analogs], *LPI Contribution, 1101*, 45-46.
Moersch, J. E., J. Farmer, and S. J. Hook (2000), Detectability of Martian evaporites; terrestrial analog studies with MASTER data; Lunar and planetary science, XXXI; papers presented to the Thirty-first lunar and planetary science conference, *Abstracts of Papers Submitted to the Lunar and Planetary Science Conference, 31*.
Moersch, J. E., S. C. Whisner, C. Hardgrove, D. McCleese, and D. Beaty (2007), Thermophysical characterization of terrestrial analogs for Martian sedimentary features, *LPI Contribution, 1353*, Abstract 3355.
Moersch, J. E., C. J. Hardgrove, and S. C. Whisner (2008), Thermophysical signatures of sedimentary processes on alluvial fans, *Abstracts with Programs - Geological Society of America, 40*(6), 407.
Moghtaderi, A., F. Moore, and A. Mohammadzadeh (2007), The application of advanced space-borne thermal emission and reflection (ASTER) radiometer data in the detection of alteration in the Chadormalu paleocrater, Bafq region, Central Iran, *Journal of Asian Earth Sciences, 30*(2), 238-252.
Moghtaderi, A., F. Moore, S. M. Taghavi, and R. Rezaei (2011), The application of ASTER imageries and mathematical evaluation method in detecting cyanobacteria in biological soil crust, Chadormalu area, central Iran, *Iran. J. Sci. Technol. Trans. A-Sci., 35*(A1), 13-28, doi:http://www.shirazu.ac.ir/EN/files/extract_file.php?file_id=1435.
Moghtaderi, A., F. Moore, and A. Mohammadzadeh (2008), The application of advanced space-borne thermal emission and reflection (ASTER) radiometer data in the detection of alteration in the Chadormalu Paleocrater, Bafq region, central Iran, *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 33*, @Abstract 1185186. 311

Molan, Y. E. and P. Behnia (2013), Prospectivity mapping of Pb-Zn SEDEX mineralization using remote-sensing data in the Behabad area, Central Iran, *Int. J. Remote Sens., 34*(4), 1164-1179, doi:http://dx.doi.org/10.1080/01431161.2012.718460.
Mollot, L. A., D. Munro, and R. E. Bilby (2007), Classifying fine-scale spatial structure of riparian forests using hyperspectral high-resolution remotely sensed imagery at the Cedar River municipal watershed in western Washington, USA, *Canadian Journal of Remote Sensing, 33*(1-4), 99-108.
Molnia, B. F. (2007), Late nineteenth to early twenty-first century behavior of Alaskan glaciers as indicators of changing regional climate; Climate change impacts on mountain glaciers and permafrost, *Global Planet. Change, 56*(1-2), 23-56, doi:10.1016/j.gloplacha.2006.07.011.
Molnia, B. F. (2009), Inventorying and monitoring the recent behavior of Afghanistan's glaciers; debris-covered glaciers, supraglacial lakes, and the potential for catastrophic flooding (jokulhlaups), *Geophysical Research Abstracts, 11*, EGU2009-13939.
Molnia, B. F., P. Geissler, and E. Lee (2007), The glacier monitoring component of the USGS Afghanistan project, *Abstracts with Programs - Geological Society of America, 39*(6), 424.
Momose Hiroshi, F. N. , H. Ise, H. Hashimoto, and Y. Morimoto (2004), Evaluation of Urban Natural Environment Using Habitat Prediction Models of the Great Tit as an Indicator Species, *Journal of the Japanese Institute of Landscape Architecture, 67,NO.5*, PAGE.491-494.
Momose, A., N. Kadowaki, H. Hyodo, T. Yajima, T. Hayashi, and K. Yamamoto (2005), Lithofacies discrimination utilizing polarimetric synthetic aperture radar data in Kalgoorlie area, Australia. *Shigen Chishitsu, 55*(1), 47-58.
Momose, H., H. Ise, H. Hashimoto, Y. Morimoto, and N. Fujiwara (2004), Evaluation of urban natural environment using habitat prediction models of the Great tit as an indicator species, paper presented at JILA the 22th Scientific Research Meeting, , Japanese Institute of Landscape Architecture. 312

Momose, H., S. Kamei, Fujiwara Nobuo, and M. M. (2004), Application of the EOS - Terra / ASTER data in the survey on the natural environment for wide area.

Mondino, E. B., F. G. Tonolo, P. Boccardo, and T. Bellone (2004), DTMs generation from satellite stereo images: Accuracy tests in mountain region, paper presented at Remote Sensing for Environmental Monitoring, GIS Applications, and Geology IV, Sep 14-16 2004, , International Society for Optical Engineering, Bellingham, WA 98227-0010, United States.
Mondino, E. B., L. Perotti, and M. Piras (2012), High resolution satellite images for archeological applications: the Karima case study (Nubia region, Sudan), *Eur. J. Remote Sens., 45*(2), 243-259, doi:http://dx.doi.org/10.5721/EuJRS20124522.
Monegato, G., M. Massironi, and E. Martellato (2010), The ring structure of Wembo-Nyama (eastern Kasai, R.D. Congo); a possible impact crater in Central Africa, *Lunar and Planetary Institute Contribution, 1533*, 1601.
Monegato, G., M. Massironi, E. Martellato, and G. Teza (2011), Omeonga - A possible large impact structure on the Eastern Kasai Province (DR Congo)? *Meteorit. Planet. Sci., 46*(12), 1804-1813, doi:http://dx.doi.org/10.1111/j.1945-5100.2011.01296.x.
Montzka, C., M. Canty, P. Kreins, R. Kunkel, G. Menz, H. Vereecken, and F. Wendland (2008), Multispectral remotely sensed data in modelling the annual variability of nitrate concentrations in the leachate, *Environmental Modelling and Software, 23*(8), 1070-1081.
Montzka, C., M. Canty, R. Kunkel, G. Menz, H. Vereecken, and F. Wendland (2008), Modelling the water balance of a mesoscale catchment basin using remotely sensed land cover data, *Journal of Hydrology, 353*(3-4), 322-334.
Moon, W. M. and J. Won (2002), Polarimetric synthetic aperture radar (SAR) and geodynamic applications; an overview of a new Earth system observation concept, *Geosciences Journal (Seoul), 6*(4), 341-346. 313

Moore, F., F. Rastmanesh, H. Asadi, and S. Modabberi (2008), Mapping mineralogical alteration using principal-component analysis and matched filter processing in the Takab area, north-west Iran, from ASTER data, *Int. J. Remote Sens., 29*(10), 2851-2867.
Moreau, J., J. Ghienne, D. P. Le Heron, J. Rubino, and M. Deynoux (2005), 440 Ma ice stream in North Africa, *Geology (Boulder), 33*(9), 753-756, doi:10.1130/G21782.1.
Moreira, R. d. C. (2000), Influence of Remote Sensor Band Positioning and Bandwidth and of Atmospheric Effects on the Vegetation Index Determinations, 182-182.
Morel, A. C., J. B. Fisher, and Y. Malhi (2012), Evaluating the potential to monitor aboveground biomass in forest and oil palm in Sabah, Malaysia, for 2000-2008 with Landsat ETM plus and ALOS-PALSAR, *Int. J. Remote Sens., 33*(11), 3614-3639, doi:http://dx.doi.org/10.1080/01431161.2011.631949.
Morimoto, Y., H. Watanabe, and H. Kusumi (2008), ANALYTICAL EVALUATION OF SLOPE FAILURE LOCATION USING SATELLITE IMAGE AND STATISTICAL ANALYSIS, paper presented at Proceedings of the 37th Symposium on Rock Mechanics, .
Morisette, J. T., L. Giglio, I. Csiszar, A. Setzer, W. Schroeder, D. Morton, and C. O. Justice (2005), Validation of MODIS active fire detection products derived from two algorithms, *Earth Interact., 9*(1, paper no. 9), 1-25.
Morisette, J. T., L. Giglio, I. Csiszar, and C. O. Justice (2005), Validation of the MODIS active fire product over Southern Africa with ASTER data, *Int. J. Remote Sens., 26*(19), 4239-4264.
Morita Itaru, Konno Masao, T. S. , Ito Akihiko, M. J. , and T. Tachikawa (2005), Shallow landslide hazard assessment using ASTER data part 2 Estimating slope stability using the geotechnical method.
Morita Itaru, Konno Masao, Shinada Chihiro, Tashiro Hiroyuki, Takahashi Shu, K. H. , A. Ito, and T. Tachikawa (2005), Shallow Landslide Hazard Assessment using Aster Data, *Nippon Koei Technical Forum, NO.14*, PAGE.33-40. 314

Moriyama Masao, M. K. , and K. Arai (1995), Atmospheric Corection over the Gray Pixels.
Moriyama Masao and U. R. (1997), Supervised classification method using spectral reflectance database.
Moriyama Masao, Yano Tomomitsu, and K. N. (2001), Improvement of the thermoradiometer of the environmental temperature measurement.
Moriyama, M. and K. Arai (1997), Error Analysis for T/E separation.
Moriyama, M., T. Ishiyama, and Y. Amiki (1994), The Simplified Expression of the Radiative Transfer Equation in the Thermal IR Spectrum. *Reports of the Faculty of Engineering, Nagasaki University, 24*(42), 45-49.

Moriyama, M., Kato Masatane, and T. T. (2003), Error analysis of the Rayleigh-only atmospheric correction in the VNIR/SWIR spectrum.
Moriyama, M. and M. Kato (2004), Investigation of ASTER VNIR/SWIR atmospheric correction method using together with DEM.
Morris, J. N., A. J. Poole, and A. G. Klein (2006), Retreat of tropical glaciers in Colombia and Venezuela from 1984 to 2004 as measured from ASTER and Landsat images; Proceedings of the 63rd annual eastern snow conference, paper presented at 63rd eastern snow conference, Newark, DE, United States, June 7-9, 2006, .
Motohashi, M. and A. Iwasaki (2006), Geometric performance evaluation for satellite images using mutual information.
Motoi Hiroshi, S. Y. , and T. Matsunaga (2002), Estimation of turbidity using multi-date SPOT and ASTER data in coastal lagoon environments.
Motoi Hiroshi, S. Y. , T. Matsunaga, and T. Kozu (2002), Feasibility study for the estimation of chlorophyll-a concentration using ASTER data in coastal environments. 315

Mouginismark, P., S. Rowland, P. Francis, T. Friedman, H. Garbeil, J. Gradie, S. Self, L. Wilson, J. Crisp, L. Glaze, K. Jones, A. Kahle, D. Pieri, H. Zebker, A. Krueger, L. Walter, C. Wood, W. Rose, J. Adams, and R. Wolff (1991), Analysis of Active Volcanos from the Earth Observing System, *Remote Sens. Environ., 36*(1), 1-12.
Mouginis-Mark, P. J. (2004), Post Eruption Hazards at Mt. Pinatubo, Philippines; Final Report, 1-14.
Mountrakis, G. and L. Luo (2011), Enhancing and replacing spectral information with intermediate structural inputs: A case study on impervious surface detection, *Remote Sens. Environ., 115*(5), 1162-1170, doi:10.1016/j.rse.2010.12.018.
Mousavi, S. R., S. Pirasteh, and A. Amani (2009), Landslides and Active Faults Using Remote Sensing and GIS Techniques in Central Alborz Mountains, Iran, *Disaster Advances, 2*(3), 24-29, doi:http://www.shankargargh.net/disaster_back_issue/disas_2009_3/3.pdf.
Mousavi, S. R., A. Fallah, R. A. Abbasnejad, S. R. Mousavi, and M. Shabani (2007), The ASTER DEM generation for geomorphometric analysis of Central Alborz Mountains, Iran, paper presented at 28th Asian Conference on Remote Sensing 2007, ACRS 2007, November 12, 2007 - November 16, 2007, Kuala Lumpur, Malaysia, , Asian Association on Remote Sensing.
Mueller, K., C. Miller, and A. Boissonade (2006), The Utility Of Surface Roughness Datasets in the Modeling of United States Hurricane Property Losses.
Mugford, R. I. and J. A. Dowdeswell (2010), Modeling iceberg-rafted sedimentation in high-latitude fjord environments, *Journal of Geophysical Research, 115*(F3), F03024, doi:10.1029/2009JF001564.
Mukherjee, S., P. K. Joshi, S. Mukherjee, A. Ghosh, R. D. Garg, and A. Mukhopadhyay (2013), Evaluation of vertical accuracy of open source Digital Elevation Model (DEM), *International Journal of Applied Earth Observation and Geoinformation, 21*, 205-217, doi:http://dx.doi.org/10.1016/j.jag.2012.09.004. 316

Mukherjee, S. K. and M. G. Abdelsalam (2004), Structural control of the Neoproterozoic Sawawin Banded Iron Formation, Arabian Shield, Saudi Arabia from remote sensing and field studies; Geological Society of America, 2004 annual meeting, *Abstracts with Programs - Geological Society of America, 36*(5), 430.
Mukherjee, S. K., M. G. Abdelsalam, and R. Stern (2006), Hyperspectral analysis of the advanced space-borne thermal emission and reflection radiometer (ASTER) data; a case study from the Neoproterozoic Sawawain banded iron formation, Arabian Shield; Geological Society of America, South-Central Section, 40th annual meeting, *Abstracts with Programs - Geological Society of America, 38*(1), 8.
Mulder, V. L., S. de Bruin, and M. E. Schaepman (2013), Representing major soil variability at regional scale by constrained Latin Hypercube Sampling of remote sensing data, *International Journal of Applied Earth Observation and Geoinformation, 21*, 301-310, doi:http://dx.doi.org/10.1016/j.jag.2012.07.004.
Muller, J. -., Q. Zeng, Z. Li, J. G. Liu, N. Austin, D. Brown, M. Nightingale, J. Zhang, L. Gong, Z. Ouyang, X. Hao, H. Xue, and Y. Xe (2008), Dragon project 2558: Exploitation of SAR and optical imagery for monitoring the environmental impacts of The Three Gorges dam, paper presented at 2008 Dragon Symposium - Dragon 1 Programme Final Results 2004-2007, , European Space Agency, Noordwijk, 2200 AG, Netherlands, Beijing, China.

Munoz-Salinas, E., M. Castillo-Rodriguez, V. Manea, M. Manea, and D. Palacios (2010), On the Geochronological Method Versus Flow Simulation Software Application for Lahar Risk Mapping: a Case Study of Popocatepetl Volcano, Mexico, *Geografiska Annaler Series A-Physical Geography, 92A*(3), 311-328.
Muraoka Hiroyasu, M. H. , Hakan Nefeslioglu, T. S. , and T. Araki (2005), Applying data mining method for detecting landslide susceptible area by using ASTER.
Muraoka, H., Nefeslioglu Hakan, S. T. , and T. Araki (2006), Applying data mining method for detecting landslide susceptible area by using ASTER (2). 317

Murayama, N., Nakayama Yasunori, E. K. , X. Zheng, and D. Yun (2003), Estimation of bathymatric map of Dongting Lake by using satellite data with DEM information.
Murphy, M. A. and W. P. Burgess (2006), Geometry, kinematics, and landscape characteristics of an active transtension zone, Karakoram fault system, southwest Tibet, *J. Struct. Geol., 28*(2), 268-283, doi:10.1016/j.jsg.2005.10.009.
Murphy, S. W., R. Wright, C. Oppenheimer, and C. R. S. Filho (2013), MODIS and ASTER synergy for characterizing thermal volcanic activity, *Remote Sens. Environ., 131*, 195-205, doi:http://dx.doi.org/10.1016/j.rse.2012.12.005.
Murphy, S. W., C. R. de Souza Filho, and C. Oppenheimer (2011), Monitoring volcanic thermal anomalies from space: Size matters, *Journal of Volcanology and Geothermal Research, 203*(1-2), 48-61, doi:http://dx.doi.org/10.1016/j.jvolgeores.2011.04.008.
Murphy, S. W., S. F. De, and C. Oppenheimer (2010), The spatial extent of thermal anomalies at Lascar Volcano, paper presented at 2010 30th IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2010, July 25, 2010 - July 30, , Institute of Electrical and Electronics Engineers Inc, Honolulu, HI.
Murray, A., B. Eng, C. Leff, and A. Schwarz (1997), Techniques for Unifying Disparate Elements in an EOS Instrument's Product Generation System Development Environment [abstract],.
Murray, A., B. Eng, C. Leff, and A. Schwarz (1997), Techniques for Unifying Disparate Elements in an EOS Instrument's Product Generation System Development Environment, 1-14.
Murray, A., B. Eng, and K. Thome (1996), Implementation of a very large atmospheric correction lookup table for ASTER using a relational database management system, paper presented at Earth observing system; Proceedings of the Conference, Denver, CO; 3-6 Aug. 1996, , Society of Photo-Optical Instrumentation Engineers. 318

Murray, A. T., B. T. Eng, and C. C. Voge (1996), Software For Generation Of ASTER Data Products, *NPO-19701*, 60-61.
Murray, T., K. Scharrer, T. D. James, S. R. Dye, E. Hanna, A. D. Booth, N. Selmes, A. Luckman, A. L. C. Hughes, and P. Huybrechts (2009), Has dynamic thinning switched off in south-east Greenland? *Geophysical Research Abstracts, 11*, EGU2009-10095.
Musacchio, M., S. Amici, M. Silvestri, S. Teggi, M. F. Buongiorno, S. Silenzi, and S. Devoti (2007), Application of CIRILLO: A new atmospheric correction tool on Castel Porziano Beach (CPB), paper presented at Remote Sensing for Environmental Monitoring, GIS Applications, and Geology VII, , SPIE, Bellingham WA, WA 98227-0010, United States.
Mushkin, A. and A. R. Gillespie (2005), Estimating sub-pixel surface roughness using remotely sensed stereoscopic data, *Remote Sens. Environ., 99*(1-2), 75-83.
Mushkin, A., L. K. Balick, and A. R. Gillespie (2002), Temperature/emissivity separation of MTI data using the terra/ASTER TES algorithm, paper presented at Algorithms and Technologies for Multispectral, Hyperspectral, and Ultraspectral Imagery VIII, Apr 1-4 2002, , The International Society for Optical Engineering.
Mushkin, A., I. Danilina, A. R. Gillespie, L. K. Balick, and M. F. McCabe (2007), Roughness effects on thermal-infrared emissivities estimated from remotely sensed images, paper presented at Remote Sensing for Environmental Monitoring, GIS Applications, and Geology VII, , SPIE, Bellingham WA, WA 98227-0010, United States.
Mushkin, A. and A. Gillespie (2004), Estimating sub-pixel surface roughness using remotely sensed stereoscopic data, paper presented at 2004 IEEE International Geoscience and Remote Sensing Symposium Proceedings: Science for Society: Exploring and Managing a Changing Planet. IGARSS 2004, Sep 20-24 2004, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States, Anchorage, AK. 319

Mushkin, A., S. Kampf, and A. Gillespie (2003), Estimating relative micro-topographic surface roughness using remotely-sensed stereo spectral data; Geological Society of America, 2003 annual meeting, *Abstracts with Programs - Geological Society of America, 35*(6), 168.
Muskett, R. R., C. S. Lingle, J. M. Sauber, A. S. Post, W. V. Tangborn, B. T. Rabus, and K. A. Echelmeyer (2009), Airborne and spaceborne DEM- and laser altimetry-derived surface elevation and volume changes of the Bering Glacier system, Alaska, USA, and Yukon, Canada, 1972-2006, *J. Glaciol., 55*(190), 316-326.
Mustafa, Y. T., A. Stein, and V. Tolpekin (2011), Improving forest growth estimates using a Bayesian network approach, paper presented at American Society for Photogrammetry and Remote Sensing Annual Conference 2011, ASPRS 2011, May 1, 2011 - May 5, 2011, Milwaukee, WI, United States, , American Society for Photogrammetry and Remote Sensing.
Mustafa, Y. T., A. Stein, V. A. Tolpekin, and P. E. Van Laake (2012), Improving Forest Growth Estimates Using a Bayesian Network Approach, *Photogramm. Eng. Remote Sensing, 78*(1), 45-51.
Mustak, S. (2011), Land suitability modeling for arhar pulse through analytic hierarchy process using remote sensing and GIS: A case study of seonath basin, paper presented at 32nd Asian Conference on Remote Sensing 2011, ACRS 2011, October 3, 2011 - October 7, 2011, Tapei, Taiwan, , Asian Association on Remote Sensing.
Muth, T. (2008), Geological mapping in northwest Bhutan using ASTER remote sensing data, 126, doi:http://earthsciences.dal.ca/aboutus/abstract/ab_th_2008.html#muth.
Muth, T., D. Grujic, C. Walls, and D. A. Kellett (2008), Geological mapping in northwestern Bhutan using ASTER remote sensing data, *Atl. Geol., 44*, 29.
Muthusankar, G., C. Lakshumanan, V. Pradeep-Kishore, S. Eswaramoorthi, and M. P. Jonathan (2013), Classifying inundation limits in SE coast of India: application of GIS, *Nat. Hazards, 65*(3), 2401-2409, doi:http://dx.doi.org/10.1007/s11069-012-0427-7. 320

Mutowo, G. and A. Murwira (2012), Relationship between remotely sensed variables and tree species diversity in savanna woodlands of Southern Africa, *Int. J. Remote Sens., 33*(20), 6378-6402, doi:http://dx.doi.org/10.1080/01431161.2012.687472.
Muukkonen, P. and J. Heiskanen (2005), Estimating biomass for boreal forests using ASTER satellite data combined with standwise forest inventory data, *Remote Sens. Environ., 99*(4), 434-447.
Muukkonen, P. and J. Heiskanen (2007), Biomass estimation over a large area based on standwise forest inventory data and ASTER and MODIS satellite data: A possibility to verify carbon inventories, *Remote Sens. Environ., 107*, 617-624.
Myers, J. and S. J. Hook (1997), The MODIS/ASTER Simulator (MASTER) - A New Multispectral Airborne Imaging Spectroradiometer for Land Surface Studies,.
Myers, J. (1997), Airborne simulators for the NASA Earth Observing System, paper presented at International Airborne Remote Sensing Conference and Exhibition - Development, Integration, Applications & Operations, 3rd, Copenhagen, Denmark; UNITED STATES; 7-10 July 1997, , Ann Arbor.
Myers, J. (1999), MODIS and ASTER airborne simulators, paper presented at Earth observing systems IV; Proceedings of the Conference, Denver, CO; UNITED STATES; 18-20 July 1999, , Society of Photo-Optical Instrumentation Engineers, Bellingham, WA, USA, Denver, CO.
Myers, W., E. Warner, and R. Tutwiler (2007), Poly-Pattern Compressive Segmentation of ASTER Data for GIS, paper presented at Proceedings of the 2006 Civil Commercial Imagery Evaluation Workshop, , NASA Stennis Space Center, Laurel, MD.
Nagai, H., K. Fujita, and T. Nuimura (2011), Formation condition of debris-covered glaciers in the Bhutan Himalaya, *American Geophysical Union Fall Meeting, 2011*, Abstract C53E-0716, doi:http://www.agu.org/cgi-bin/SFgate/SFgate?language=English&verbose=0&listenv=table&application=fm11&convert=&321

converthl=&refinequery=&formintern=&formextern=&transquery=an%3dc53e&_lines=&multiple=0&descriptor=%2fdata%2fepubs%2fwais%2findexes%2ffm11%2ffm11%7c.
Nagai, H., K. Fujita, and T. Nuimura (2010), Formation condition of debris-covered glaciers in the Bhutan Himalaya derived by satellite data, *Summaries of JSSI and JSSE Joint Conference on Snow and Ice Research, 2010*, 197-197, doi:https://www.jstage.jst.go.jp/article/jcsir/2010/0/2010_0_197/_article.
Nagai, H., K. Fujita, T. Nuimura, and A. Sakai (2012), Glacier inventory in the Bhutan Himalaya, *Summaries of JSSI and JSSE Joint Conference on Snow and Ice Research, 2012*, 1, doi:https://www.jstage.jst.go.jp/article/jcsir/2012/0/2012_1/_pdf.

Nagao, N. and S. Omatu (2007), Remote Sensing Data Analysis for ASTER Using SOM and LVQ, paper presented at The 51st Annual Conference of the Institute of Systems, Control and Information Engineers, , The Institute of Systems, Control and Information Engineers.
Nagarajan, S., B. M. Csatho, A. F. Schenk, G. S. Babonis, T. A. Scambos, T. M. Haran, K. H. Kjaer, and N. J. Korsgaard (2011), Generation of a new Greenland ice sheet digital elevation model, *American Geophysical Union Fall Meeting, 2011*, Abstract C31A-0597, doi:http://www.agu.org/cgi-bin/SFgate/SFgate?language=English&verbose=0&listenv=table&application=fm11&convert=&convert hl=&refinequery=&formintern=&formextern=&transquery=an%3dc31a&_lines=&multiple=0&descripto r=%2fdata%2fepubs%2fwais%2findexes%2ffm11%2ffm11%7c.
Nagihara, S. and C. R. Hart (2006), Satellite-based long-term monitoring of saltcedar control along the riparian corridor of the lower Pecos River, Texas, *Abstracts: Annual Meeting - American Association of Petroleum Geologists, 15*, 77.
Nair, A. and G. Mathew (2012), Lithological discrimination of the phenaimata felsic-mafic complex, Gujarat, India, using the advanced spaceborne thermal emission and reflection radiometer (ASTER), *Int. J. Remote Sens., 33*(1), 198-219, doi:10.1080/01431161.2011.591441. 322

Naito Chizuko and Y. Y. (1998), Spectral indices for lithologic discrimination using the ASTER SWIR bands.
Nakamura, K., K. Doi, K. Shibuya, and T. Yamanokuchi (2011), Estimating Shirase Glacier outflow using aster DEM and PALSAR data, paper presented at 2011 3rd International Asia-Pacific Conference on Synthetic Aperture Radar, APSAR 2011, September 26, 2011 - September 30, 2011, , IEEE Computer Society, Seoul, Korea, Republic of.
Nakamura, K., T. Yamanokuchi, K. Doi, and K. Shibuya (2010), Feasibility study of grounding line detection for glacier derived from ASTER DEM, paper presented at JSSI & JSSE joint conference on Snow and ice research, Sendai, JPN, Japan, Sept. 26-29, 2010, , Nihon Seppyou Gakkai and Nihon Yuki Kougakkai, Tokyo, Japan (JPN).
Nakamura, R., S. Tsuchida, N. Yamamoto, H. Yamamoto, S. Sekiguchi, M. Urai, S. Kodama, M. Arioka, A. Kamei, and T. Sasai (2006), GEO Grid; a cyberinfrastructure to integrate satellite imagery and geological GIS data, *Chishitsu News, 2006*(10(626)), 19-24.
Nakayama, D., K. Sakamoto, and H. Matsuyama (2009), New topographic correction method of satellite image in the season of low solar elevation, *Programme with Abstracts - International Geomorphology Conference, 7*, @Abstract no. 450.
NAKAYAMA, D., K. Sakamoto, and H. MATSUYAMA (2008), New Topographic Correction Method of Satellite Image in the Season of Low Solar Elevation, paper presented at Annual Meeting of the Association of Japanese Geographers, Spring 2008, , Association of Japanese Geographers.
Nakayama, H., T. Komiya, T. Shimaoka, and T. Ishizaki (2006), Relation between vegetation and stabilization of waste in a landfill, paper presented at The 17th Annual Conference of The Japan Society of Waste Management Experts, , Japan Society of Waste Management Experts. 323

Nakayama, Y., T. Yanagi, S. Yamaguchi, J. Nishimura, and G. Mu (2007), Monitoring of environmental change in Dzungar Basin by the analysis of multi-temporal satellite data sets, *Advances in Space Research, 39*, 52-59.
Nan, P., Q. Qin, and Y. Yao (2009), Land surface temperature anomalies and monitoring through thermal remote sensing: a case of coal bed methane area at Jiaozuo, Henan Province, *Beijing Daxue Xuebao (Ziran Kexue Ban)/Acta Scientiarum Naturalium Universitatis Pekinensis, 45*(1), 137-143.
Nan, P., Q. Qin, Y. Yao, and C. Jin (2008), Preliminary study on monitoring of land surface temperature at coal mine district by thermal remote sensing, paper presented at 2007 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2007, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Nas, B., H. Karabork, S. Ekercin, and A. Berktay (2009), Mapping chlorophyll-a through in-situ measurements and Terra ASTER satellite data, *Environ. Monit. Assess., 157*(1-4), 375-382, doi:10.1007/s10661-008-0542-9.
Nascimento, P. S. d. R., R. A. Petta, D. V. G. Silva, T. A. F. do Nascimento, and T. F. d. C. Campos (2008), Geoinformacao aplicada na atividade mineraria do semi-arido do nordeste Brasileiro. Geoinformation applied to mining activities in the semi-arid region of northeastern Brazil, paper presented at Sociedade Brasileira de Geologia; 44 degrees congresso, Curitiba, BRA, Brazil, Oct. 26-31, 2008, , Sociedade Brasileira de Geologia, Porto Alegre, Brazil (BRA).

Nasipuri, P. and A. Chatterjee (2009), Land use around Maithon reservoir: a study from high-resolution ASTER data, *Curr. Sci., 97*(1), 25-27.
Nasipuri, P., T. J. Majumdar, and D. S. Mitra (2006), Study of high-resolution thermal inertia over western India oil fields using ASTER data, *Acta Astronaut., 58*(5), 270-278. 324

Nasuno, I., T. Kurose, K. Takaichi, H. Iimuro, and Y. Fukui (2004), Landcover classification in urban area using ASTER image; Abstracts from the 110th symposium of Society of Exploration Geophysicists of Japan, *Butsuri-Tansa = Geophysical Exploration, 57*(4), 416.
Nauman, T. (2009), Digital soil-landscape classification for soil survey using ASTER satellite and digital elevation data in Organ Pipe Cactus National Monument, Arizona, 169.
Nauman, T. W. and C. Rasmussen (2008), Digital soil classification for soil survey using ASTER satellite imagery and DEM data in Organ Pipe Cactus National Monument, Arizona, *Abstracts with Programs - Geological Society of America, 40*(6), 60.
Navalgund, R. R., V. Jayaraman, and P. S. Roy (2007), Remote sensing applications: An overview, *Curr. Sci., 93*(12), 1747-1766.
Navarro, E. (2008), Estudios de exploracion geoelectrica sobre la formacion Marifil entre Puerto Madryn y Telsen (provincia de Chubut). Geoelectric exploration of the Marifil Formation between Puerto Madryn and Telsen (Chubut), *Geoacta, 33*, 70-80.
Neal, C., O. Girina, S. Senyukov, A. Rybin, J. Osiensky, P. Izbekov, and G. Ferguson (2009), Russian eruption warning systems for aviation, *Nat. Hazards, 51*(2), 245-262, doi:10.1007/s11069-009-9347-6.
Neale, C. M. U. (2003), Spatially Distributed Fluxes Obtained with High-Resolution Remote Sensing During SMACEX in Central Iowa (2003 - 17HYDRO).
Necsoiu, M., S. Leprince, C. Dinwiddie, D. Hooper, and G. Walter (2009), Recent migration rates of the Great Kobuk sand dunes, Alaska; technologic and scientific implications for planetary dune systems, *LPI Contribution, 1468*, 2074.
Necsoiu, M., S. Leprince, D. M. Hooper, C. L. Dinwiddie, R. N. McGinnis, and G. R. Walter (2009), Monitoring migration rates of an active subarctic dune field using optical imagery, *Remote Sens. Environ., 113*(11), 2441-2447. 325

Neeck, S. P., C. J. Scolese, and F. Bordi (1998), EOS AM-1, paper presented at Proceedings of the 1998 Conference on Sensors, Systems, and Next-Generation Satellites II, Sep 21-24 1998, , SPIE, Bellingham, WA, USA.
Neeck, S. P., C. J. Scolese, and F. Bordi (1995), EOS-AM1: project update, paper presented at Advanced and Next-Generation Satellites, Sep 25-28 95, , Society of Photo-Optical Instrumentation Engineers, Bellingham, WA, USA, Paris, France.
Neeck, S. P., C. J. Scolese, and F. Bordi (1996), Eos-Am1 - L-2, paper presented at Advanced and next generation satellites II; Proceedings of the Meeting, Taormina, Italy; 23-26 Sept. 1996, , Bellingham.
Neeck, S. P., C. J. Scolese, and F. Bordi (1997), EOS AM-1: Launch - 9 months, paper presented at Sensors, systems, and next-generation satellites; Proceedings of the Conference, London, United Kingdom, Sept. 22-25, 1997; Bellingham, WA, Society of Photo-Optical Instrumentation Engineers (SPIE Proceedings. Vol. 3221), 1997, p. 150-161, , Society of Photo-Optical Instrumentation Engineers.
Neeck, S. P., T. J. Venator, and J. T. Bolek (1995), Jitter and stability calculation for the ASTER instrument, paper presented at Platforms and Systems, Sep 6 1994, , Society of Photo-Optical Instrumentation Engineers, Bellingham, WA, USA.
Nefeslioglu, H. A., B. T. San, C. Gokceoglu, and T. Y. Duman (2012), An assessment on the use of Terra ASTER L3A data in landslide susceptibility mapping, *Int. J. Appl. Earth Obs. Geoinf., 14*(1), 40-60, doi:http://dx.doi.org/10.1016/j.jag.2011.08.005.
Negishi, Y., M. Suzuki, and K. Noguchi (2003), Sedimentary facies mapping using TERRA/ASTER satellite data; Abstracts for papers submitted for the 2003 technical meeting of the JAPT, *Sekiyu Gijutsu Kyokaishi = Journal of the Japanese Association of Petroleum Technology, 68*(4), 308. 326

Nema Nobuyuki, Asakuma Koji, Kuze Hiroaki, and T. N. (2001), Examination of the aerosol model derivation method over Chiba area from AVHRR images.

Nemani, R., L. Pierce, S. Running, and L. Band (1993), Forest ecosystem process at the watershed scale: sensitivity to remotely-sensed leaf area index estimates, *Int. J. Remote Sens., 14*(13), 2519-2534.
Nemani, R., L. Pierce, S. Running, and S. Goward (1993), Developing Satellite-Derived Estimates of Surface Moisture Status, *J. Appl. Meteorol., 32*(3), 548-557.
Nemoto Yoshiaki, F. M. , Yamaguchi Yasuo, Onodera Yasuhiko, Iwade Shuhei, Yoneda Yoshikazu, Tanaka Shigetoshi, Isoda Minoru, and F. K. (1991), Development of TEG evaluating thermal stress for IRCCD of SWIR in ASTER on EOS -A.
Nemoto Yoshiaki, Fukushima Mitsuru, N. T. , Iwade Shuhei, Yagi Hirofumi, Kimata Masaaki, Isoda Minoru, Furuya Kiyotoshi, and T. S. (1991), Design of Multispectral Band Infrared Linear Image Sensor for SWIR in ASTER .
Nertan, A., G. Stancalie, A. Iordache, and S. Catana (2005), Monitoring and evaluation of the vegetation state of agricultural crops using satellite - derived radiative products, paper presented at RAST 2005. Proceedings of 2nd International Conference on Recent Advances in Space Technologies, 9-11 June 2005, , IEEE.
Neto, F. A. (1993), 1st Results on Orienting Simulated Along-Track Satellite Stereoscopic Imagery, *Photogramm. Rec., 14*(81), 439-446.
Netzband, M. and A. Rahman (2009), Physical characterisation of deprivation in cities: How can remote sensing help to profile poverty (slum dwellers) in the megacity of Delhi/India?, paper presented at 2009 Joint Urban Remote Sensing Event, May 20, 2009 - May 22, , IEEE Computer Society, Shanghai, China.
Newcomer, M. E., J. E. Bird, S. M. Sabatine, G. C. Sady, A. M. Stalzer, T. A. Wheeler, C. Schmidt, and J. W. Skiles (2010), Utilizing nasa satellite missions to identify bark beetle 327

infestation in Sequoia National Park, paper presented at American Society for Photogrammetry and Remote Sensing Annual Conference 2010: Opportunities for Emerging Geospatial Technologies, April 26, 2010 - April 30, 2010, San Diego, CA, United States, , American Society for Photogrammetry and Remote Sensing.
Newcomer, M., W. Hsu, E. Justice, L. Guild, D. Rogoff, and J. W. Skiles (2011), Prototype application of NASA missions to identify patterns of wetland vegetation development within the South San Francisco bay salt ponds, paper presented at American Society for Photogrammetry and Remote Sensing Annual Conference 2011, ASPRS 2011, May 1, 2011 - May 5, 2011, Milwaukee, WI, United States, , American Society for Photogrammetry and Remote Sensing.
Newcomer, M., A. Kuss, T. Ketron, A. Remar, V. Choksi, K. Grove, and J. W. Skiles (2011), Modeling sediment deposition for predicting marsh habitat development, paper presented at American Society for Photogrammetry and Remote Sensing Annual Conference 2011, ASPRS 2011, May 1, 2011 - May 5, 2011, Milwaukee, WI, United States, , American Society for Photogrammetry and Remote Sensing.
Ngcofe, L., H. Minnaar, and L. Chevallier (2010), A comparative study of hyperspectral versus multispectral images as an aid in geological mapping near Alexander Bay, Northern Cape, South Africa, *South African Journal of Geology, 113*(2), 141-154.
Nguyen, C. (2012), Statistical and visual analysis of the cross talk correction and the ECW compression effects on feature extraction of ASTER data, 146.
Nguyen, H. Q., B. H. P. Maathuis, and T. H. M. Rientjes (2009), Catchment storm runoff modelling using the geomorphologic instantaneous unit hydrograph, *Geocarto Int., 24*(5), 357-375, doi:http://dx.doi.org/10.1080/10106040802677011.
Ni, W., Z. Guo, G. Sun, and H. Chi (2010), Investigation of forest height retrieval using SRTM-DEM and ASTER-GDEM, paper presented at 2010 30th IEEE International Geoscience and 328

Remote Sensing Symposium, IGARSS 2010, July 25, 2010 - July 30, , Institute of Electrical and Electronics Engineers Inc, Honolulu, HI.
Nicandrou, A., L. A. Mofor, R. Delpak, and R. B. Robinson (2004), Hydrological Assessment and Modelling of the River Fani Catchment in Albania using GIS and Remote Sensing, paper presented at Remote Sensing for Agriculture, Ecosystems, and Hydrology V, Sep 8-10 2003, , International Society for Optical Engineering, Bellingham, WA 98227-0010, United States, Barcelona, Spain.
Nichol, J. E. and M. S. Wong (2008), Spatial variability of air temperature and appropriate resolution for satellite-derived air temperature estimation, *Int. J. Remote Sens., 29*(24), 7213-7223.
Nichol, J. (2005), Remote sensing of urban heat islands by day and night, *Photogramm. Eng. Remote Sensing, 71*(5), 613-621.

Nichol, J. (2009), An Emissivity Modulation Method for Spatial Enhancement of Thermal Satellite Images in Urban Heat Island Analysis, *Photogramm. Eng. Remote Sensing, 75*(5), 547-556.
Nichol, J. E., W. Y. Fung, K. Lam, and M. S. Wong (2009), Urban heat island diagnosis using ASTER satellite images and 'in situ' air temperature, *Atmos. Res., 94*(2), 276-284.
Nichol, J. E. and T. P. Hang (2012), Temporal characteristics of thermal satellite images for urban heat stress and heat island mapping, *Isprs Journal of Photogrammetry and Remote Sensing, 74*, 153-162, doi:http://dx.doi.org/10.1016/j.isprsjprs.2012.09.007.
Nichols, D. A., M. Schwaller, M. Pniel, and G. Geller (1995), EOSDIS support for the advanced spaceborne thermal emission and reflection radiometer (ASTER), paper presented at Advanced and Next-Generation Satellites, Sep 25-28 95, , Society of Photo-Optical Instrumentation Engineers, Bellingham, WA, USA, Paris, France. 329

Nicholson, L., J. Marin, D. Lopez, A. Rabatel, F. Bown, and A. Rivera (2009), Glacier inventory of the upper Huasco Valley, Norte Chico, Chile; glacier characteristics, glacier change and comparison with central Chile, *Annals of Glaciology, 50*(53), 111-118.
Nicoletti, V., S. Silvestri, F. Rizzetto, L. Tosi, M. Putti, and P. Teatini (2003), Use of remote sensing for the delineation of surface peat deposits south of the Venice Lagoon (Italy), paper presented at Learning from Earth's shapes and sizes; 2003 IEEE international geoscience and remote sensing symposium; proceedings, Jul 21-25 2003, , Institute of Electrical and Electronics Engineers Inc, Toulouse, France.
Nightingale, M. R. A. and G. L. K. Morgan (2010), Refinement of ASTER digital elevation models using SRTM data for an environmental study in China, in *Elevation models for geoscience,* , vol. 345, edited by C. Fleming et al, pp. 17-21, United Kingdom (GBR), Geological Society of London, London, United Kingdom (GBR).
Nikolakopoulos, K. G., E. K. Kamaratakis, and N. Chrysoulakis (2006), SRTM vs ASTER elevation products. Comparison for two regions in Crete, Greece, *Int. J. Remote Sens., 27*(21), 4819-4838.
Nikolakopoulos, K. G. (2003), Use of Vegetation Indexes with ASTER VNIR Data for Burnt Areas Detection in Western Peloponnese, Greece, paper presented at 2003 IGARSS: Learning From Earth's Shapes and Colours, Jul 21-25 2003, , Institute of Electrical and Electronics Engineers Inc.
Nikolakopoulos, K. G. (2004), Pansharp vs Wavelet vs PCA fusion technique for use with Landsat ETM panchromatic and multispectral data, paper presented at Image and Signal Processing for Remote Sensing X, Sep 13-15 2004, , International Society for Optical Engineering, Bellingham, WA 98227-0010, United States.
Nikolakopoulos, K. G. and N. Chrysoulakis (2006), Updating the 1:50.000 topographic maps using ASTER and SRTM DEM: the case of Athens, Greece, paper presented at Remote Sensing 330

for Environmental Monitoring, GIS Applications, and Geology VI. , SPIE - The International Society for Optical Engineering, Stockholm, Sweden.
Nikolakopoulos, K. G. and G. Lathourakis (2005), Along the track vs across the track satellite stereo-pair for DTM creation, paper presented at 2005 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2005, Jul 25-29 2005, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Nikolakopoulos, K. G., P. I. Tsombos, D. Mitropoulos, A. Zervakou, B. Grasemann, C. Iglseder, K. Petrakakis, M. Muller, A. H. Rice, K. Voit, A. Zamolyi, and E. Draganits (2009), Updating the 1/50.000 geological maps of IGME with remote sensing data, marine geology data, GPS measurements and GIS techniques: The case of KEA Island, paper presented at Remote Sensing for Environmental Monitoring, GIS Applications, and Geology IX, August 31, 2009 - September 3, , SPIE, Berlin, Germany.
Nikolakopoulos, K. G., P. I. Tsombos, and A. Zervakou (2007), Evaluating SRTM and ASTER DEM accuracy for the broader area of Sparti, Greece, paper presented at SAR Image Analysis, Modeling, and Techniques IX, , SPIE, Bellingham WA, WA 98227-0010, United States.
Nikolakopoulos, K. G., D. A. Vaiopoulos, and G. A. Skianis (2004), ASTER DIM vs GTOPO30 and 1/250.000 topographic maps. -The case of Lefkas Island, Greece, paper presented at 2004 IEEE International Geoscience and Remote Sensing Symposium Proceedings: Science for Society: Exploring and Managing a Changing Planet. IGARSS 2004, Sep 20-24 2004, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.

Nikolakopoulos, K. G., D. A. Vaiopoulos, and G. A. Skianis (2004), Fusion and Atmospheric Correction Techniques on Multitemporal and Multisensor Satellite data for the Detection of burnt areas in Western Peloponnese, Greece, paper presented at Image and Signal Processing for Remote Sensing IX, Sep 9-12 2003, , International Society for Optical Engineering, Bellingham, WA 98227-0010, United States. 331

Nikolakopoulos, K. G., D. A. Vaiopoulos, and G. A. Skianis (2004), Use of multitemporal remote sensing thermal data for the detection of areas with lower temperature in Alfios River basin western Peloponnese, Greece, paper presented at Remote Sensing for Agriculture, Ecosystems, and Hydrology V; Barcelona, Spain; Sep. 8-10, 2003, .
Nikolakopoulos, K. G., D. A. Vaiopoulos, G. A. Skianis, P. Sarantinos, and A. Tsitsikas (2005), Combined use of Remote Sensing, GIS and GPS data for landslide mapping, paper presented at 2005 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2005, Jul 25-29 2005, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Nikolakopoulos, K. and P. Tsombos (2008), Comparison of multispectral (EO-1 ALI, Landsat ETM), and hyperspectral (EO-1 Hyperion) remote sensing data for geological mapping, *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 33*, @Abstract 1324505, doi:http://www.cprm.gov.br/33IGC/1324505.html.
Nikolakopoulos, K., D. Vaiopoulos, and G. Skianis (2005), Monitoring of the environmental changes at Lefkas Island using remote sensing data and GIS techniques, paper presented at Remote Sensing for Environmental Monitoring, GIS Applications, and Geology V; Bruges; Belgium; 19-20 Sept. 2005, .
Nikolakopoulos, K., D. Vaiopoulos, and G. Skianis (2004), Comparing a DTM created with ASTER data to GTOPO 30 and to one created from 1/50.000 topographic maps, paper presented at Remote Sensing for Environmental Monitoring, GIS Applications, and Geology IV, Sep 14-16 2004, , International Society for Optical Engineering, Bellingham, WA 98227-0010, United States.
Ninomiya Yoshiki, T. Y. , Fu B, and M. K. (1998), A basic research for a lithologic mapping using ASTER TIR data in Tibetan area.
Ninomiya Yoshiki, Matsunaga Tsuneo, Y. Y. , K. Uchida, Muraoka Hiroyasu, and K. M. (1995), Measurements of TIR spectral emissivity at Cuprite, Nevada. 332

Ninomiya, Y., Fu Bihong, and Ma Keyang (1998), Field investigation at Beishan area of China for lithologic mapping with ASTER TIR spectral data; Golden anniversary special issue, *Butsuri-Tansa = Geophysical Exploration, 51*(4), 432-433.
Ninomiya, Y. and B. Fu (2006), Lithologic Mapping System for Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) Data, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
Ninomiya, Y., B. H. Fu, and T. J. Cudahy (2005), Detecting lithology with Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) multispectral thermal infrared "radiance-at-sensor" data, *Remote Sens. Environ., 99*(1-2), 127-139.
Ninomiya, Y., B. H. Fu, and T. J. Cudahy (2006), Detecting lithology with Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) multispectral thermal infrared "radiance-at-sensor" data" (vol 99, pg 127, 2005), *Remote Sens. Environ., 101*(4), 567-567.
Ninomiya, Y., T. Matsunaga, Y. Yamaguchi, K. Ogawa, S. Rokugawa, K. Uchida, H. Muraoka, and M. Kaku (1997), A comparison of thermal infrared emissivity spectra measured in situ, in the laboratory, and derived from thermal infrared multispectral scanner (TIMS) data in Cuprite, Nevada, U.S.A, *Int. J. Remote Sens., 18*(7), 1571-1581.
Ninomiya, Y., T. Matsunaga, Y. Yamaguchi, K. Ogawa, S. Rokugawa, K. Uchida, H. Muraoka, and M. Kaku (1997), Comparison of thermal infrared emissivity spectra measured in situ, in the laboratory, and derived from thermal infrared multispectral scanner (TIMS) data in Cuprite, Nevada, USA, *Int. J. Remote Sens., 18*(7), 1571-1581.
Ninomiya, Y. (2002), Mapping quartz, carbonate minerals and mafic-ultramafic rocks using remotely sensed multispectral thermal infrared ASTER data, paper presented at Thermosense XXIV, Apr 1-4 2002, , The International Society for Optical Engineering, Orlando, FL. 333

Ninomiya, Y. (2002), Rock type mapping with indices defined for multispectral thermal infrared ASTER data: Case studies, paper presented at Remote Sensing for Environmental Monitoring, GIS Applications, and Geology II, Sep 23-26 2002, , The International Society for Optical Engineering.

Ninomiya, Y. (2003), Advanced Remote Lithologic Mapping in Ophiolite Zone with ASTER Multispectral Thermal Infrared Data, paper presented at 2003 IGARSS: Learning From Earth's Shapes and Colours, Jul 21-25 2003, , Institute of Electrical and Electronics Engineers Inc.
Ninomiya, Y. (2003), A Stabilized Vegetation Index and Several Mineralogic Indices Defined for ASTER VNIR and SWIR Data, paper presented at 2003 IGARSS: Learning From Earth's Shapes and Colours, Jul 21-25 2003, , Institute of Electrical and Electronics Engineers Inc.
Ninomiya, Y. (2004), Lithologic mapping with multispectral ASTER TIR and SWIR data, paper presented at Sensors, Systems and Next-Generation Satellites VII, Sep 8-10 2003, , International Society for Optical Engineering, Bellingham, WA 98227-0010, United States.
Ninomiya, Y. and B. Fu (1999), Potential Applicability of ASTER Thermal Infrared Multispectral Data on Estimation of SiO2 Content in Surface Rocks. *Journal of Remote Sensing Society of Japan, 19,NO.5*, PAGE.440-453.
Ninomiya, Y. and B. Fu (1999), Prospects on estimating SiO2 content in the surface rocks with ASTER thermal infrared data.
Ninomiya, Y. and B. Fu (2002), Quartz Index, Carbonate Index and SiO2 Content Index Defined for ASTER TIR Data. *Journal of Remote Sensing Society of Japan, 22,NO.1*, PAGE.50-61.
Ninomiya, Y. and B. M. K. Fu (1998), Field Investigation at Beishan Area of China for Lithologic Mapping with ASTER TIR Spectral Data.
Ninomiya, Y. and B. Fu (2004), A new lithologic mapping with ASTER thermal infrared radiance at the sensor data; Italia 2004; 32nd international geological congress; abstracts, 334

International Geological Congress, Abstracts = Congres Geologique International, Resumes, 32, 1325.
Ninomiya, Y., B. Fu, and T. J. Cudahy (2006), Corrigendum to "Detecting lithology with Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) multispectral thermal infrared "radiance-at-sensor" data" [Remote Sensing of Environment 99(1-2):127-139 (2005), ASTER special issue] (DOI:10.1016/j.rse.2005.06.009), *Remote Sens. Environ., 101*(4), 567.
Ninomiya, Y., B. Fu, T. (. Milne, and B. (. Cechet (2001), Spectral indices for lithologic mapping with ASTER thermal infrared data applying to a part of Beishan Mountains, Gansu, China; IGARSS 2001; Scanning the present and resolving the future; proceedings, paper presented at IEEE 2001 international geoscience and remote sensing symposium, Sydney, N.S.W., Australia, July 9-13, 2001, , Institute of Electrical and Electronics Engineers, New York, NY, United States (USA).
Ninomiya, Y., T. Matsunaga, and Y. Yamaguchi (1997), Estimation of SiO (sub 2) content using simulated TIR remote sensing data generated from from spectra measured on the sawed surfaces of rocks at Cuprite, Nevada, U.S.A; New technology for geosciences, paper presented at 30th international geological congress on New technology for geosciences, Beijing, China, Aug. 4-14, 1996, , International Geological Congress, [location varies], International (III).
Ninomiya, Y., T. Matsunaga, Y. Yamaguchi, K. Uchida, H. Muraoka, and M. Kaku (1996), Estimation of SiO (sub 2) content in the surface rocks with an ASTER simulating data set; 30th international geological congress; abstracts, *International Geological Congress, Abstracts--Congres Geologique Internationale, Resumes, 30*, 446.
Nishida, S., J. Hachiya, K. Matsumoto, H. Fujisada, and M. Kato (1998), System design and performances of ASTER level-1 data processing, paper presented at Proceedings of the 1998 Conference on Sensors, Systems, and Next-Generation Satellites II, Sep 21-24 1998, , SPIE, Bellingham, WA, USA, Barcelona, Spain. 335

Nishimura, J. and Y. Nakayama (2004), Monitoring of environmental changes in Dzungar basin based on the analysis of multi-temporal satellite data, *Proceedings of the Institute of Natural Sciences, Nihon University, NO.39*, PAGE.117-135.
Nixon, S., J. Maclennan, and N. White (2011), Intra-plate magmatism of the Al Haruj volcanic field, Libya, *Mineralogical Magazine, 75*(3), 1546, doi:http://minmag.geoscienceworld.org/content/75/3/1521.full.pdf+html.
Nonaka Takashi, H. A. , and T. Matsunaga (2002), Estimation of the water temperature considering the climate of the local areas using ASTER .
Nonaka Takashi, S. Y. , T. Matsunaga, M. Moriyama, and H. Tonooka (2001), Recalibration of thermal infrared bands of Terra ASTER and Landsat -7 ETM+ using the vicarious and cross calibration results.
Nonaka Takashi, S. Y. , T. Matsunaga, M. Moriyama, and H. Tonooka (2002), Radiometric Calibration of Thermal Infrared Bands of Terra ASTER and Landsat -7 ETM+ Using Hot Ground Targets. *Journal of Remote Sensing Society of Japan, 22,NO.1*, PAGE.62-78.

Nonohara, S., T. Kozu, T. Shimomai, K. Kurita, Y. Sakuno, T. Matsunaga, and D. Nakayama (2005), Observation of Lakes Shinji and Nakaumi using simultaneous visible/infrared and microwave measurements, *LAGUNA, 14*, 23-35, doi:http://jairo.nii.ac.jp/db/detail-en?sid=0015/00000004.
Nonomura Atsuko, Kawahara Yoshihisa, Tanaka Yoji, Takeuchi Yutaka, and Y. K. (2003), Estimation of turbidity and electrical conductivity in Fuchu reservoir by using ASTER data (August 2003).
Nonomura Atsuko, Masuda Takuro, and M. H. (2006), Estimation of vegetation dynamics affected by wildfire in Naoshima, Kagawa using satellite data, *Journal of the Japanese Society of Revegetation Technology, 32,NO.1*, PAGE.3-8. 336

Nonomura Atsuko, Yamanaka Minoru, Hasegawa Shuichi, M. T. , and S. Miyagawa (2004), Estimating soil moisture for afforestation using Terra / ASTER satellite data, *Journal of the Japanese Society of Revegetation Technology, 30,NO.1*, PAGE.92-97.
Nonomura, A. and T. Nasuda (2007), A fundamental study for evaluation of vegetation vitality and vegetation fraction with spectral reflectance, *Journal of the Japanese Society of Revegetation Technology, 33*(1), 83-88.
Nori, W., H. M. Sulieman, and I. Niemeyer (2009), Detection of land cover changes in El Rawashda Forest, Sudan: A systematic comparison, paper presented at Geoscience and Remote Sensing Symposium,2009 IEEE International,IGARSS 2009, , IEEE, Cape Town, South Africa.
Norman, J. M., M. C. Anderson, W. P. Kustas, A. N. French, J. Mecikalski, R. Torn, G. R. Diak, T. J. Schmugge, and B. C. W. Tanner (2003), Remote sensing of surface energy fluxes at 10_1-m pixel resolutions, *Water Resour. Res., 39*(8), 91-917.
North, W. and D. C. Perkins (2001), EOSDIS Terra CD Data Sampler 2: Mount Oyama Eruption Forces Evacuation; 1.0, *NASA/NP-2000-11-132-GSFC; NAS 1.83:11-132-GSFC; NONP-NASA-CD-2002075677*, cd-rom.
Nosenko, G. A., T. Y. Khromova, A. Y. Murav'yev, Y. K. Narozhnyy, and M. V. Shakhgedanova (2010), Ispol'zovaniye istoricheskikh dannykh i sovremennykh kosmicheskikh izobrazheniy dlya otsenki izmeneniy razmerov lednikov na Altaye. Application of historical data and modern space images for evaluation of glacier size change in Altai Mountains, *Led i Sneg = Ice and Snow, 110*, 19-24.
Nosenko, G. (., Gennadiy), A. Glazovsky, D. (. Tsvetkov Dmitriy), and G. Osipova (2007), Glacier changes in the polar Urals during XX century from historical data, ASTER and Landsat, paper presented at Earth: Our Changing Planet. Proceedings of IUGG XXIV general assembly, Perugia, ITA, Italy, July 2-13, 2007, , IUGG, [location varies], International (III). 337

Nossenko, G. and D. G. Tzvetkov (2003), Assessment of glaciers change on Polar Urals from ASTER imagery; Papers and recommendations; Snow watch 2002 workshop and workshop on Assessing global glacier recession, paper presented at Snow watch 2002 workshop and workshop on Assessing global glacier recession, Camp Spring, MD, United States, Oct. 31-Nov. 1, 2002, , National Snow and Ice Data Center/World Data Center for Glaciology, Boulder, CO, United States (USA).
Notarnicola, C. (2006), Environmental changes induced by dump pollution analyzed through historical orthophotos and multi-spectral images, paper presented at Remote Sensing for Environmental Monitoring, GIS Applications, and Geology VI, Sep 13-14 2006, , International Society for Optical Engineering, Bellingham WA, WA 98227-0010, United States.
Novikova, Y., T. Cudahy, S. A. Wilde, and S. Lang (2008), Mapping mineral alteration associated with onshore hydrocarbon seepage using ASTER and Hyperion data, *Abstracts - Geological Society of Australia, 89*, 189-190.
Nowicki, S. A. (2002), Annual Nighttime Surface Temperature Variation of Phoenix from ASTER Data, *52*, 02.
Nowicki, S. A. (2007), Data fusion, compression, and visualization of thermal and visible imagery for remote analysis of geologic surfaces on Earth and Mars, *Scientific Investigations Report, SIR 2007-5199*, 71-72.
Nowicki, S. A. (2010), Thermal inertia of planetary analogs using MODIS diurnal observations, *LPI Contribution, 1533*, 2434.
Nuimura, T., K. Fukui, K. Asahi, K. Fujita, and Y. Ageta (2006), Surface lowering and flow speed decrease of Khumbu Glacier detected from GPS survey and ASTER-DEM, in Nepal Himalayas between 1995 and 2004, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.). 338

Nuimura, T. and K. Fujita (2007), Glacier variation analysis using with remote sensing data and topographical map in Khumbu Himal, Nepal Himalayas, paper presented at The 2007 Conference Japanese Society of Snow and Ice, , Japanese Society of Snow and Ice.
Nuimura, T., K. Fujita, K. Fukui, K. Asahi, R. Aryal, and Y. Ageta (2011), Temporal Changes in Elevation of the Debris-Covered Ablation Area of Khumbu Glacier in the Nepal Himalaya since 1978, *Arctic Antarctic and Alpine Research, 43*(2), 246-255, doi:10.1657/1938-4246-43.2.246.
Nuimura, T., K. Fujita, S. Yamaguchi, and R. R. Sharma (2012), Elevation changes of glaciers revealed by multitemporal digital elevation models calibrated by GPS survey in the Khumbu region, Nepal Himalaya, 1992-2008, *J. Glaciol., 58*(210), 648-656, doi:http://dx.doi.org/10.3189/2012JoG11J061.
Nuimura, T., K. Fukui, K. Asahi, and Y. Ageta (2005), The surface change of Khumbu Glacier based on GPS survey and ASTER imagery Khumbu Himal, eastern Nepal, between 1995 to 2004, paper presented at The 2005 Conference Japanese Society of Snow and Ice, , Japanese Society of Snow and Ice.
Numata Yoichi, Saito Kazuya, Y. Y. , Y. Yasuoka, and M. Kaku (1995), Development of vegetation index algorithm using ASTER data. (Part 2).
Numata Yoichi, Saito Kazuya, Y. Y. , Y. Yasuoka, and M. Kaku (1995), Remote sensing .3 Development of vegetation index algorithm by ASTER data.(1).
Numata Yoichi, Yamano Yoshiki, Takatsuki Yukie, Koizumi Akiko, Hayashi Masatomo, S. K. , Y. Yasuoka, and M. Kato (1997), Development of methodology for wetland mapping using ASTER data.
Numata, Y., K. Saito, Y. Yamano, Y. Yasuoka, and M. Kaku (1995), Ground Based Observation of Vegetation Coverage, LAI and APAR to Develop New Vegetation Indices Algorithm for 339

ASTER ., paper presented at International Symposium on Vegetation Monitoring, Chiba, Japan, Aug. 29-31, 1995, Proceedings, , Chiba University.
Nuth, C. and A. Kaab (2011), Co-registration and bias corrections of satellite elevation data sets for quantifying glacier thickness change, *Cryosphere, 5*(1), 271-290, doi:10.5194/tc-5-271-2011.
Nye, C. J. (2006), Introduction to Augustine Volcano and Overview of the 2006 Eruption, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
Obayashi Shigeyuki, K. N. , Matsuyama Hiroyuki, T. S. , and H. Iyoda (2001), Applicability of the ASTER data for the slope stability evaluation.
Obayashi Shigeyuki, Kojima Hirohito, and F. A. (2001), Applicability of the ASTER data in the construction fields.
Ochi, S., M. Nakamura, W. Takeuchi, and Y. Yasuoka (2003), Assessment of Vegetation Impact to Urban Heat Island using Remote Sensing Data, *SEISAN KENKYU, 55*(2), 222-225.
Ochoa-Gonzalez, G. and D. C. Carreon-Freyre (2010), Integration of geological and hydrogeological features for subsidence modelling in volcanic zones; Land subsidence, associated hazards and the role of natural resources development, *IAHS-AISH Publication, 339*, 114-119.
Oda, Y., T. Yoshinaga, K. Koike, and F. Yamada (2007), Detecting geological information of tideland sediments by remote sensing technique, *Geoinformatics/Joho Chishitsu, 18*(2), 120-121.
Odagiri Jun'ichi, R. S. , H. Murakami, S. Hara, Y. Miyazaki, and M. Kato (1997), A Study on Accuracy of Global DEM with ASTER Simulation Data(2).
Odeh, T., R. Gloaguen, M. Schirmer, S. Geyer, T. Rodiger, and C. Siebert (2009), Exploration of Wadi Zerka Ma'in rotational fault and its drainage pattern, Eastern of Dead Sea, by means 340

of remote sensing, GIS and 3D geological modeling, paper presented at Remote Sensing for Environmental Monitoring, GIS Applications, and Geology IX, August 31, 2009 - September 3, , SPIE, Berlin, Germany.
Ogawa, K. and T. Schmugge (2003), Estimating broadband emissivity of North Africa using satellite thermal infrared multispectral radiometers, *22*, 0951.
Ogawa, K. and T. Schmugge (2004), Mapping Surface Broadband Emissivity of the Sahara Desert Using ASTER and MODIS Data, *Earth Interact., 8*(7), 1-14, doi:10.1175/1087-3562(2004)008(0001:MSBEOT)2.0.CO;2.
Ogawa, K., T. Schmugge, and F. Jacob (2002), Estimation of Land Surface Window (8-12 mum) Emissivity from Multi-Spectral Thermal Infrared Remote Sensing -~A Case Study in a Part of Sahara Desert, *72*, 0893.
Ogawa, K., T. Schmugge, F. Jacob, and A. French (2002), Estimation of broadband land surface emissivity from multi-spectral thermal infrared remote sensing, *Agronomie, 22*(6), 695-696.

Ogawa, K., T. Schmugge, F. Jacob, and A. French (2003), Estimation of land surface window (8-12 micro m) emissivity from multi-spectral thermal infrared remote sensing-A case study in a part of Sahara Desert, *Geophys. Res. Lett., 30*(2), 4, doi:10.1029/2002GL016354.
Ogawa, K., T. Schmugge, F. Jacob, and A. French (2002), Estimation of broadband emissivity from satellite multi-channel thermal infrared data using spectral libraries, paper presented at 2002 IEEE International Geoscience and Remote Sensing Symposium (IGARSS 2002), Jun 24-28 2002, , Institute of Electrical and Electronics Engineers Inc.
Ogawa, K., T. Schmugge, F. Jacob, and A. French (2003), Mapping Land Surface Window (8-12 μm) Emissivity from ASTER Thermal Data, paper presented at 2003 IGARSS: Learning From Earth's Shapes and Colours, Jul 21-25 2003, , Institute of Electrical and Electronics Engineers Inc. 341

Ogawa, K., T. Schmugge, and S. Rokugawa (2005), Estimating thermal infrared broadband emissivity of arid region using remote sensing, paper presented at Multispectral and Hyperspectral Remote Sensing Instruments and Applications II, Nov 9-11 2004, , International Society for Optical Engineering, Bellingham, WA 98227-0010, United States.
Ogawa, K., T. Schmugge, and S. Rokugawa (2008), Estimating broadband emissivity of arid regions and its seasonal variations using thermal infrared remote sensing, *IEEE Trans. Geosci. Remote Sens., 46*(2), 334-343.
Ogi Nagamitsu, Sato Takashi, F. M. , Aoka Hiroshi, Akagi Shigeki, K. M. , Aoki Yutaka, O. H. , and M. Kawada (2004), On Board Performance of the Cryocoolers on ASTER SWIR and TIR.
Oh, H., N. Park, S. Lee, and S. Lee (2012), Extraction of landslide-related factors from ASTER imagery and its application to landslide susceptibility mapping, *Int. J. Remote Sens., 33*(10), 3211-3231, doi:http://dx.doi.org/10.1080/01431161.2010.545084.
Ohgi, N., A. Iwasaki, T. Kawashima, and H. Inada (2010), Japanese hyper-multi spectral mission, paper presented at 2010 30th IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2010, July 25, 2010 - July 30, , Institute of Electrical and Electronics Engineers Inc, Honolulu, HI.
OHGUSHI, K. and H. ARAKI (2006), ON THE ESTIMATION METHOD FOR WATER QUALITY IN THE INNERMOST PART OF THE ARIAKE SEA BY USING TERRA-ASTER IMAGES, *PROCEEDINGS OF HYDRAULIC ENGINEERING, 50*, 1405-1410, doi:http://dx.doi.org/10.2208/prohe.50.1405.
Ohmae, H., S. Kitamura, and M. Niwa (1994), Overview of Thermal Infrared Radiometer on ASTER, *Advances in Space Research, 14*(3), 4; p. (3)151-(3)154.
OHMAE, H. (1992), ASTER TIR subsystem and calibration, paper presented at NASA. Goddard Space Flight Center, The Fifth Calibration/Data Product Validation Panel Meeting 24 p (SEE N94-23595 06-43); UNITED STATES, . 342

Ohmae, H., T. Maekawa, Y. Aoki, and S. Kitamura (1997), Preflight test results of ASTER/TIR flight model, paper presented at Sensors, systems, and next-generation satellites; Proceedings of the Conference, London, United Kingdom; 22-25 Sept. 1997, , Society of Photo-Optical Instrumentation Engineers, London, United Kingdom.
Ohno, T., H. Watanabe, T. Kawakami, S. Fujita, and R. H. Cohen (1996), Data acquisition scheduling algorithm for multi-telescope instrument with pointing function, paper presented at Advanced and next generation satellites II; Proceedings of the Meeting, Taormina, Italy; 23-26 Sept. 1996, , Society of Photo-Optical Instrumentation Engineers.
Ok, A. O. and M. Turker (2005), DEM generation and accuracy assessment from stereo ASTER imagery, paper presented at RAST 2005. Proceedings of 2nd International Conference on Recent Advances in Space Technologies, 9-11 June 2005, , IEEE, Istanbul, Turkey.
Okada, K. (2004), Strategic significance of advanced mineral and lithological mapping based on hyperspectral remote sensing for mineral exploration; perspective of next generation satellite-borne sensors as successors to ASTER; To measure is to manage; 12th Australasian remote sensing and photogrammetry conference proceedings, paper presented at 12th Australasian remote sensing and photogrammetry conference, Fremantle, West. Aust, , Spatial Sciences Institute, Deakin West, Australia (AUS), Australia.
Okada, K. and M. Ishii (1993), Mineral and lithological mapping using thermal infrared remotely sensed data from ASTER simulator, paper presented at Proceedings of the 13th Annual International Geoscience and Remote Sensing Symposium IGARSS'93, Aug 18-21 1993, , Publ by IEEE, Piscataway, NJ, USA, Tokyo, Japan.

Okada, K., M. Oshii, I. Kohno, and C. F. Chung (1994), Mineral and lithological mapping using remotely sensed data from ASTER, paper presented at 1994 International Association for Mathematical Geology annual conference including the International symposium for mineral exploration (ISME'94) and Geochautauqua '94, Mont Tremblant, QC, , International Association for Mathematical Geology, Canada. 343

Okai, M. and H. Tonooka (2006), Early results of surface emissivity estimation in the 10 .MU.m-CO2 band usin ASTER/MODIS data.
Okano, D. and A. Iwasaki (2011), Resolution enhancement of ASTER digital elevation model, paper presented at 2011 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2011, July 24, 2011 - July 29, 2011, , Institute of Electrical and Electronics Engineers Inc, Vancouver, BC, Canada.
Okazaki Ryota, Funahashi Manabu, Setojima Masahiro, I. Y. , and S. Hara (2004), Examination about understanding of the difference of forest characteristic by using ASTER nadir and backward image.
Okochi, Y., A. Ootubo, M. Kuniyasu, T. Ezaka, and T. Tachikawa (2004), Information map for disaster prevention using ASTER data; Abstracts from the 110th symposium of Society of Exploration Geophysicists of Japan, *Butsuri-Tansa = Geophysical Exploration, 57*(4), 416.
Okubo, Y., M. Kaku, S. Rokugawa, and H. Tsu (2002), Remote-sensing survey for coastal environmental change in Asia; Society of Exploration Geophysicists, international exposition and 72nd annual meeting; technical program, expanded abstracts with authors' biographies, *SEG Annual Meeting Expanded Technical Program Abstracts with Biographies, 72*, 2435-2438.
Okubo, Y., S. Rokugawa, and H. Tsu (2004), Remote-sensing survey for coastal environmental change in Thailand; Italia 2004; 32nd international geological congress; abstracts, *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 32, Part 2*, 1184.
Okuda, T. and A. Iwasaki (2010), Estimation of satellite pitch attitude from ASTER image data, paper presented at 2010 30th IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2010, July 25, 2010 - July 30, , Institute of Electrical and Electronics Engineers Inc, Honolulu, HI. 344

Okumura, H., R. Yamasaki, T. Goto, and K. Arai (2009), Change detection method for remotely sensed images based on multivariate analysis method and statistical test, paper presented at Image and Signal Processing for Remote Sensing XV, August 31, 2009 - September 3, , SPIE.
Olariu, C., R. J. Stern, and J. P. Bhattacharya (2002), The Red River delta, Lake Texoma; a remote sensing study of delta; Geological Society of America, South-Central Section, 36th annual meeting, *Abstracts with Programs - Geological Society of America, 34*(3), 31.
Olaya, W., E. Espinola, S. Yepez, and F. (. Urbani (2007), Revision geologica de la Isla La Blanquilla mediante el uso de sensores remotos. Geology of La Blanquilla Island by means of remote sensing; Memorias del IX congreso geologico venezolano. Memoirs of the IX Venezuelan geological congress, *Geos (Caracas), 39*, 7.
Oleson, R. and J. Walkes (2006), NASA LP DAAC and USGS EROS data; what we have and where to get it; Proceedings of the U.S. Geological Survey Sixth biennial geographic information science workshop, *Scientific Investigations Report, SIR 2006-5094*, 32-33.
Oliveira, G. D., S. B. A. Rolim, P. C. De Mello-Farias, A. Meneguzzi, and C. Lutckmeier (2008), Industrial pollution of environmental compartments in the Sinos River Valley, RS, Brazil: Geochemical-biogeochemical characterization and remote sensing, *Water Air Soil Pollut., 192*(1-4), 183-198.
Oliver, S. and S. van der Wielen (2006), Mineral mapping with ASTER, *Aus Geo News, 82*.
Omran, A., M. Hahn, V. Hochschild, A. El-Rayes, and M. Geriesh (2012), Lithological Mapping of Dahab Basin, South Sinai, Egypt, using ASTER Data, *Photogrammetrie Fernerkundung Geoinformation*(6), 711-726, doi:http://dx.doi.org/10.1127/1432-8364/2012/0151.
O'Neill, M. A. and I. J. Dowman (1993), Simulation study of the ASTER sensor using a versatile general purpose rigid sensor modelling system, *Int. J. Remote Sens., 14*(3), 565-582. 345

Onishi, A., X. Cao, T. Ito, F. Shi, and H. Imura (2010), Evaluating the potential for urban heat-island mitigation by greening parking lots, *Urban Forestry & Urban Greening, 9*(4), 323-332, doi:10.1016/j.ufug.2010.06.002.
Ono Akira and S. F. (1996), Optical Imager ASTER and its Calibration. *Journal of the Society of Instrument and Control Engineers, 35*(9), 675-678, doi:https://www.jstage.jst.go.jp/article/sicejl1962/35/9/35_9_675/_article.

Ono, A., F. Sakuma, K. Arai, Y. Yamaguchi, H. Fujisada, P. N. Slater, K. J. Thome, F. D. Palluconi, and H. H. Kieffer (1996), Preflight and In-flight Calibration Plan for ASTER, *Bulletin of NRLM, 45*(4), 376.
ONO, A. (1992), Concept of ASTER calibration requirement, paper presented at NASA. Goddard Space Flight Center, The Fifth Calibration/Data Product Validation Panel Meeting 18 p (SEE N94-23595 06-43); UNITED STATES, .
Ono, A., F. Sakuma, K. Arai, Y. Yamaguchi, H. Fujisada, P. N. Slater, K. J. Thome, F. D. Palluconi, and H. H. Kieffer (1996), Preflight and in-flight calibration plan for ASTER, *J. Atmos. Ocean. Technol., 13*(2), 321-335.
Ono, A. (1991), Special Issue on Aerospace Toward the 21st Century. Optical Sensors for Earth Observation. *Journal of the Society of Instrument and Control Engineers, 30,NO.10*, PAGE.905-910.
Ono, A. and F. Sakuma (1991), ASTER calibration concept, paper presented at Future European and Japanese Remote-Sensing Sensors and Programs, Apr 1-2 1991, , Publ by Int Soc for Optical Engineering, Bellingham, WA, USA, Orlando, FL.
Ono, A. and F. Sakuma (1993), ASTER instrument calibration plan, paper presented at Sensor systems for the early earth observing system platforms; Proceedings of the Conference, Orlando, FL; UNITED STATES; 13-14 Apr. 1993, , Bellingham. 346

Ono, M. (1995), Parallax error correction techniques by image matching for ASTER/SWIR band-to-band registration, paper presented at Platforms and Systems, Sep 6 1994, , Society of Photo-Optical Instrumentation Engineers, Bellingham, WA, USA.
Ooka, T., K. Kojima, N. Masuda, and K. Hirose (2002), Technology development of remote sensing with ASTER data, *Shigen Chishitsu, 52*(1), 45-49.
Oom, D. and J. M. C. Pereira (2013), Exploratory spatial data analysis of global MODIS active fire data, *International Journal of Applied Earth Observation and Geoinformation, 21*, 326-340, doi:http://dx.doi.org/10.1016/j.jag.2012.07.018.
Oppenheimer, C. (1993), Infrared Surveillance of Crater Lakes using Satellite Data, *J. Volcanol. Geotherm. Res., 55*(1-2), 117-128.
Oppenheimer, C. (1997), Remote sensing of the colour and temperature of volcanic lakes, *Int. J. Remote Sens., 18*(1), 5-7.
Oppenheimer, C. and A. McGonigle (2002), Remote sensing of volcanic plumes, paper presented at Workshop-short course on Volcanic systems geochemical and geophysical monitoring; melt inclusions; methods, applications and problems, Naples, , De Frede Editore, Naples, Italy (ITA), Naples, Italy.
Oppenheimer, C. and G. Yirgu (2002), Thermal imaging of an active lava lake; Erta 'Ale Volcano, Ethiopia, *Int. J. Remote Sens., 23*(22), 4777-4782.
Oppenheimer, C. (1996), Crater lake heat losses estimated by remote sensing, *Geophys. Res. Lett., 23*(14), 1793-1796.
Ori, G. G., G. Diachille, G. Komatsu, L. Marinangeli, and A. P. Rossi (2007), River morphologies and palaeodrainages of western Africa (Sahara and Sahel) during humid climatic conditions, in *Sedimentary processes, environments and basins; a tribute to Peter Friend,* , vol. 38, edited by G. Nichols et al, pp. 519-533, Blackwell, Oxford. 347

Ormeci, C. and S. Ekercin (2005), Water quality monitoring using satellite image data: A case study around the Salt Lake in Turkey, paper presented at Remote Sensing of the Ocean, Sea Ice, and Large Water Regions 2005, Sep 19-20 2005, , International Society for Optical Engineering, Bellingham WA, WA 98227-0010, United States.
Osaki, K. (2002), Comparison of normalized vegetation index by ASTER with by MODIS in Tokyo.
Osaki, K. (2002), Estimation of dependence of spatial resolution on vegetation index by ASTER and MODIS, paper presented at 2002 IEEE International Geoscience and Remote Sensing Symposium (IGARSS 2002), Jun 24-28 2002, , Institute of Electrical and Electronics Engineers Inc.
Osaki, K. (2004), Simulated analysis of dependency of vegetation index on spatial resolution of sensors by QuickBird and ASTER, paper presented at Image and Signal Processing for Remote Sensing X, Sep 13-15 2004, , International Society for Optical Engineering, Bellingham, WA 98227-0010, United States.
Osaki, K. (2005), Vegetation analysis in urban area by nested variogram model.
Osawa Naoya and O. S. (2006), Monitoring a volcanic plume at Miyake Island with satellite data.

Osawa, K., R. Iwasa, D. Kunii, G. Saito, and C. Yonezawa (2006), Field detection of non-use paddy fields at Miyagi Prefecture in Japan using satellite and GIS data, paper presented at 27th Asian Conference on Remote Sensing, ACRS 2006, October 9, 2006 - October 13, 2006; Ulaanbaatar, Mongolia, , Asian Association on Remote Sensing.
Osawa, N. and S. Ogawa (2006), Monitoring a volcanic plume at miyake island with satellite data, paper presented at 27th Asian Conference on Remote Sensing, ACRS 2006, October 9, 2006 - October 13, 2006; Ulaanbaatar, Mongolia, , Asian Association on Remote Sensing. 348

Osinska-Skotak, K. (2007), Studies of soil temperature on the basis of satellite data, *International Agrophysics, 21*(3), 275-284.
Osipov, E. Y. (2007), GIS reconstruction of LGM glaciation and climate in Lake Baikal watershed,.
Oskin, M. and D. W. Burbank (2005), Alpine landscape evolution dominated by cirque retreat, *Geology (Boulder), 33*(12), 933-936, doi:10.1130/G21957.1.
Oskouei, M. M. (2010), Integrated use of Hyperion and ASTER data for alteration mapping, paper presented at Earth Resources and Environmental Remote Sensing/GIS Applications, September 21, 2010 - September 23, , SPIE, Toulouse, France.
Osterloo, M. M., S. P. Brumby, B. J. Douglas, D. B. Finkelstein, H. O. Funsten, and L. L. Pratt (2005), Analysis of Fracture Alignment and Hydrothermal Flow in Accommodation Zones That Link Facing Half-Grabens, Oregon Basalt Plateau, *EOS Transactions, American Geophysical Union, 86*(18 suppl.), S41C-04.
Osterloo, M. M. (2006), Structural analysis of an extensional basin in south-central Oregon; strain quantification using field and remote sensing data sets from Warner Valley,.
Othman, N., M. Z. M. Jafri, H. S. Lim, and K. C. Tan (2011), Using ASTER GDEM and SRTM digital elevation models to generate contour lines over rugged terrain of Makkah, paper presented at 2011 IEEE International Conference on Space Science and Communication (IconSpace), 12-13 July 2011, , IEEE, Penang, Malaysia.
Ottle, C. and M. Stoll (1993), Effect of Atmospheric Absorption and Surface Emissivity on the Determination of Land-Surface Temperature from Infrared Satellite Data, *Int. J. Remote Sens., 14*(10), 2025-2037.
Ouyang, W., F. Hao, J. Zhang, M. Zhang, and F. Yongshuo (2007), The desert disturbance analysis of regional oil exploitation by Aster and ETM images in northwest of China, paper presented at 22nd Annual ACM Symposium on Applied Computing, , ACM. 349

Owe, M. and G. D'Urso (2002), Remote Sensing for Agriculture, Ecosystems, and Hydrology III; Proceedings of the conference, Toulouse, France, Sept. 17-19, 2001, paper presented at UNITED STATES, .
Owe, M., G. D'Urso, and L. Toulios (2002), Proceedings of SPIE: Remote Sensing for Agriculture, Ecosystems, and Hydrology IV, paper presented at Remote Sensing for Agriculture Ecosystems, and Hydrology IV, Sep 22-25 2002, , The International Society for Optical Engineering, Agia Pelagia, Greece.
Owiyo, T. M. (2006), Assessment of land degradation attributes using near infrared spectroscopy, spatial modeling and satellite data in a tropical landscape, *DAI, 66*(10B), 152-5300.
Ozdemir, I., D. A. Norton, U. Y. Ozkan, A. Mert, and O. Senturk (2008), Estimation of tree size diversity using object oriented texture analysis and aster imagery, *Sensors, 8*(8), 4709-4724.
Ozdemir, I., A. Mert, and O. Senturk (2012), Predicting landscape structural metrics using aster satellite data, *Journal of Environmental Engineering and Landscape Management, 20*(2), 168-176, doi:http://dx.doi.org/10.3846/16486897.2012.688371.
Ozeki Masaaki, Hotta Masanobu, Kawakami Mihoko, and O. K. (2006), Survey and research on the maintenance and regeneration of natural environment in Kirigamine. Actual conditions of vegetational changes in Kirigamine. *Kirigamine ni okeru Shizen Kankyo no Hozen to Saisei ni kansuru Chosa Kenkyu Heisei 16-17 Nendo Naganoken Kankyo Hozen Kenkyujo Kenkyu Purojekuto Seika Hokoku 4*, PAGE.17-24.
Oztan, N. S. and M. L. Suzen (2009), Evaporate mapping in Bala region (Ankara) by remote sensing techniques, paper presented at 4th International Conference on Recent Advances in Space Technologies 2009, RAST '09, June 11, 2009 - June 13, , IEEE Computer Society.
Oztan, N. S. and M. L. Suzen (2011), Mapping evaporate minerals by ASTER, *Int. J. Remote Sens., 32*(6), 1651-1673. 350

Oztekin, M. E. (2012), Monitoring and determination of land use types in large-scale irrigation project areas in Mediterranean region of Turkey, *J. Food Agric. Environ., 10*(2), 1065-1068, doi:http://www.world-food.net/scientficjournal/2012/issue2/abstracts/abstract196.php.
Ozyavas, A. (2007), Application of radar altimetry and multi temporal satellite imagery to confirm climatic changes affecting water level of Caspian Sea, *Abstracts with Programs - Geological Society of America, 39*(6), 218.
Ozyavas, A. (2010), Application of remote sensing techniques to understand the mechanisms behind the Caspian Sea lake-level fluctuations, 126, doi:http://proquest.umi.com/pqdlink?Ver=1&Exp=04-09-2017&FMT=7&DID=2282789761&RQT=309&attempt=1.
Paeth, H. (2007), A contribution to sustainable forest management in Patagonia. - Object-oriented classification and forest parameter extraction based on ASTER and landsat ETM plus data, *Erdkunde, 61*(2), 218-219.
Page, W. R., B. E. Hubbard, J. S. Duval, H. W. Folger, A. E. McCafferty, J. W. Parcher, and Z. D. Wilson (2006), Template for compiling bi-national geologic map datasets in the US-Mexico border region; an example from Southern Texas and northern Mexico, US-Mexico border environmental health initiative; Geological Society of America, South-Central Section, 40th annual meeting, *Abstracts with Programs - Geological Society of America, 38*(1), 7.
Paguican, E. M. R., A. M. F. Lagmay, K. S. Rodolfo, R. S. Rodolfo, A. M. P. Tengonciang, M. R. Lapus, E. G. Baliatan, and E. C. Obille Jr. (2009), Extreme rainfall-induced lahars and dike breaching, 30 November 2006, Mayon Volcano, Philippines, *Bulletin of Volcanology, 71*(8), 845-857, doi:10.1007/s00445-009-0268-8.
Pahlevani, M. and M. R. Mobashen (2007), Validation of land surface emissivity derived by TES algorithm using NDVI method from ASTER data, paper presented at 28th Asian Conference on Remote Sensing 2007, ACRS 2007, November 12, 2007 - November 16, 2007, Kuala Lumpur, Malaysia, , Asian Association on Remote Sensing. 351

Painter, T. H., M. J. Brodzik, A. Racoviteanu, and R. Armstrong (2012), Automated mapping of Earth's annual minimum exposed snow and ice with MODIS, *Geophys. Res. Lett., 39*(20), L20501, doi:http://dx.doi.org/10.1029/2012GL053340.
Palluconi, F., G. Hoover, R. Alley, M. Jentoft-Nilsen, and T. Thompson (1999), Advanced Spaceborne Thermal Emission & Reflection Radiometer Algorithm Theoretical Basic Document for: An Atmospheric Correction Method for ASTER Thermal Radiometry Over Land, *JPL-D-13914*, 1-29.
Palluconi, F. D. (1996), Validation of the ASTER thermal infrared surface radiance data product, paper presented at Earth observing system; Proceedings of the Conference, Denver, CO; 3-6 Aug. 1996, , Society of Photo-Optical Instrumentation Engineers.
Palluconi, F., A. B. KAHLE, G. Hoover, and J. E. CONEL (1990), The spectral emissivity of prairie and pasture grasses at Konza Prairie, Kansas, paper presented at Symposium on FIFE - First ISLSCP Field Experiment, Anaheim, CA; UNITED STATES; 7-9 Feb. 1990, , Boston.
Palluconi, F., H. Tonooka, S. Hook, A. Abtahi, R. Alley, T. Thompson, G. Hoover, and S. Zadourian (2001), EOS ASTER thermal infrared band vicarious calibration, paper presented at Sensors, Systems, and Next-Generation Satellites V, Sep 17-20 2001, , The International Society for Optical Engineering, Toulouse, France.
Paluch, M., R. Fasuga, and T. Bilek (2011), Tool for Calculation of Solar Radiation and Solar Systems Design, paper presented at UKSim 5th European Symposium onComputer Modeling and Simulation (EMS), 2011, , IEEE, Madrid, Spain.
Paluch, M., R. Fasuga, and M. Nemec (2011), Tool for sun power calculation for solar systems, paper presented at International Conference on Digital Information Processing and Communications, ICDIPC 2011, July 7, 2011 - July 9, 2011, , Springer Verlag, Ostrava, Czech republic. 352

Pan, B. T., G. L. Zhang, J. Wang, B. Cao, H. P. Geng, J. Wang, C. Zhang, and Y. P. Ji (2012), Glacier changes from 1966-2009 in the Gongga Mountains, on the south-eastern margin of the Qinghai-Tibetan Plateau and their climatic forcing, *Cryosphere, 6*(5), 1087-1101, doi:http://dx.doi.org/10.5194/tc-6-1087-2012.
Pan, G. and D. Tang (2010), Damage information derived from multi-sensor data of the Wenchuan Earthquake of May 2008, *Int. J. Remote Sens., 31*(13), 3509-3519.

Panday, P. K., H. N. N. Bulley, U. Haritashya, K. Frey, and J. Rogan (2009), Supraglacial lake assessment in the Sagarmatha region of Nepal Himalaya, paper presented at Association of American Geographers 2009 annual meeting, Las Vegas, NV, United States, March 22-27, 2009, , Association of American Geographers, Washington, DC, United States (USA).
Pandey, A. C., S. Ghosh, M. S. Nathawat, and R. K. Tiwari (2012), Area Change and Thickness Variation over Pensilungpa Glacier (J&K) using Remote Sensing, *J. Indian Soc. Remote Sens., 40*(2), 245-255, doi:http://dx.doi.org/10.1007/s12524-011-0134-y.
Pandey, P., G. Venkataraman, and S. P. Shukla (2011), Study of retreat of Hamtah glacier, Indian Himalaya, using remote sensing technique, paper presented at 2011 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2011, July 24, 2011 - July 29, 2011, , Institute of Electrical and Electronics Engineers Inc, Vancouver, BC, Canada.
Pandit, S., A. Hayward, J. de Leeuw, and J. Kolasa (2010), Does plot size affect the performance of GIS-based species distribution models? *Journal of Geographical Systems, 12*(4), 389-407, doi:10.1007/s10109-010-0106-8.
Pani, D. and S. Loddo (2004), Fire related change detection analysis using multitemporal remotely sensed data; Italia 2004; 32nd international geological congress; abstracts, *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 32, Part 2*, 1181-1182. 353

Pantaleoni, E., R. H. Wynne, J. M. Galbraith, and J. B. Campbell (2009), A logit model for predicting wetland location using ASTER and GIS, *Int. J. Remote Sens., 30*(9), 2215-2236, doi:10.1080/01431160802549310.
Pantaleoni, E., R. H. Wynne, J. M. Galbraith, and J. B. Campbell (2009), Mapping wetlands using ASTER data: a comparison between classification trees and logistic regression, *Int. J. Remote Sens., 30*(13), 3423-3440, doi:10.1080/01431160802562214.
Pantaleoni, E. (2007), Assessing coastal plain wetland composition using advanced spaceborne thermal emission and reflection radiometer imagery, *DAI, 69*(04B), 147-2192.
Papp, G. and E. Szucs (2011), Effect of the difference between surface and terrain models on gravity field related quantities, *Acta Geodaetica et Geophysica Hungarica, 46*(4), 441-456, doi:http://dx.doi.org/10.1556/AGeod.46.2011.4.6.
Paradella, W. R. and C. G. De Oliveira (2008), Evaluation of the altimetric information from RADARSAT-1, ASTER and SRTM data for topographic mapping in the Amazon Region, paper presented at 2007 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2007, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Parcharidis, I., K. Pavlopoulos, M. Poscolieri, and P. Kourkouli (2009), Using time series of satellite Earth's observation data to determine geomorphological and paleogeographical changes at the South eastern coastal areas of Gokceada (Imvros) island (Turkey), *Zeitschrift Fur Geomorphologie, 53*, 139-149, doi:10.1127/0372-8854/2009/0053S1-0139.
Pareta, K. and U. Pareta (2011), Quantitative Morphometric Analysis of a Watershed of Yamuna Basin, India using ASTER (DEM) Data and GIS, *International Journal of Geomatics and Geosciences, 2*(1), 248-269. 354

Parkes, A. T. and U. K. Haritashya (2011), ASTER based velocity profile of glaciers in the Nanga Parbat region, western Himalaya, *American Geophysical Union Fall Meeting, 2011*, Abstract C53E-0722, doi:American Geophysical Union 2011 fall meeting.
Parra, J. G. and J. M. Stock (2003), Volcanic hazards assessment using remote sensing data from the Tres Virgenes volcanic complex, Baja California Sur, Mexico; Geological Society of America, Cordilleran Section, 99th annual meeting, *Abstracts with Programs - Geological Society of America, 35*(4), 17.
Parvaiz, I., P. K. Champatiray, F. A. Bhat, and V. K. Dadhwal (2012), Earthquake-induced landslide dam in the Kashmir Himalayas, *Int. J. Remote Sens., 33*(2), 655-660, doi:10.1080/01431161.2010.512948.
Paskaleva, B., M. M. Hayat, J. S. Tyo, Z. Wang, and M. Martinez (2006), Feature selection for spectral sensors with overlapping noisy spectral bands, paper presented at Algorithms and Technologies for Multispectral, Hyperspectral, and Ultraspectral Imagery XII, Apr 17-20 2006, , International Society for Optical Engineering, Bellingham WA, WA 98227-0010, United States.
Patel, D. P., M. B. Dholakia, N. Naresh, and P. K. Srivastava (2012), Water Harvesting Structure Positioning by Using Geo-Visualization Concept and Prioritization of Mini-Watersheds Through Morphometric Analysis in the Lower Tapi Basin, *J. Indian Soc. Remote Sens., 40*(2), 299-312, doi:http://dx.doi.org/10.1007/s12524-011-0147-6.

Patino, J. E. and J. C. Duque (2013), A review of regional science applications of satellite remote sensing in urban settings, *Computers, Environment and Urban Systems, 37*, 1-17, doi:http://dx.doi.org/10.1016/j.compenvurbsys.2012.06.003.
Patrick, M. R., J. L. Smellie, A. J. L. Harris, R. Wright, K. Dean, P. Izbekov, H. Garbeil, and E. Pilger (2005), First recorded eruption of Mount Belinda Volcano (Montagu Island), South Sandwich Islands, *Bulletin of Volcanology, 67*(5), 415-422, doi:10.1007/s00445-004-0382-6. 355

Patrick, M., K. Dean, and J. Dehn (2004), Active mud volcanism observed with Landsat 7 ETM+, *J. Volcanol. Geotherm. Res., 131*(3-4), 307-320, doi:10.1016/S0377-0273(03)00383-4.
Paul, F., A. Kaab, and W. Haeberli (2007), Recent glacier changes in the Alps observed by satellite: Consequences for future monitoring strategies, *Global Planet. Change, 56*(1-2), 111-122.
Paul, F. (2006), The new Swiss glacier inventory 2000; application of remote sensing and GIS, *Schriftenreihe Physische Geographie, 52*, 1-194.
Paul, F. and L. M. Andreassen (2009), A new glacier inventory for the Svartisen region, Norway, from Landsat ETM plus data: challenges and change assessment, *J. Glaciol., 55*(192), 607-618.
Paul, F., C. Huggel, and A. Kaab (2004), Combining satellite multispectral image data and a digital elevation model for mapping debris-covered glaciers, *Remote Sens. Environ., 89*(4), 510-518.
Paul, F., A. Kaeaeb, and J. (. Hagen (2005), Perspectives on the production of a glacier inventory from multispectral satellite data in Arctic Canada; Cumberland Peninsula, Baffin Island; Papers from the International symposium on Arctic glaciology, *Annals of Glaciology, 42*, 59-66.
Paul, F. and F. Svoboda (2009), A new glacier inventory on southern Baffin Island, Canada, from ASTER data; II, Data analysis, glacier change and applications, *Geophysical Research Abstracts, 11*, EGU2009-11436.
Paul, F. and F. Svoboda (2009), A new glacier inventory on southern Baffin Island, Canada, from ASTER data; II, Data analysis, glacier change and applications, *Annals of Glaciology, 50*(53), 22-31. 356

Paul, S. K. (2010), A methodology for assessing the thermal effects of urban land cover and built forms on surface heat fluxes: A case study of Kolkata,.
Pavelka, K. (2008), Using of remote sensing and photogrammetry for documentation of geoglyphs in Nazca/Peru region, paper presented at 29th Asian Conference on Remote Sensing 2008, ACRS 2008, November 10, 2008 - November 14, 2008, Colombo, Sri Lanka, , Asian Association on Remote Sensing.
Pavelka, K. and J. Svatuskova (2007), Comparison and adaptation of aster satellite data to the landsat TM products, paper presented at 28th Asian Conference on Remote Sensing 2007, ACRS 2007, November 12, 2007 - November 16, 2007, Kuala Lumpur, Malaysia, , Asian Association on Remote Sensing.
Pavelsky, T. M. and L. C. Smith (2009), Remote sensing of suspended sediment concentration, flow velocity, and lake recharge in the Peace-Athabasca Delta, Canada, *Water Resour. Res., 45*(11), W11417, doi:10.1029/2008WR007424.
Pavri, F., A. Dailey, and V. Valentine (2011), Integrating multispectral ASTER and LiDAR data to characterize coastal wetland landscapes in the northeastern United States, *Geocarto Int., 26*(8), 647-661, doi:http://dx.doi.org/10.1080/10106049.2011.620179.
Payan, V. and A. Royer (2004), Analysis of Temperature Emissivity Separation (TES) algorithm applicability and sensitivity, *Int. J. Remote Sens., 25*(1), 15-37.
Payan, V. (2003), Caracterisation de l'emissivite des surfaces terrestres a partir de donnees multispectrales en infrarouge median et thermique (French and English text), *MAI, 43*(03), 98-806.
Payan, V. and A. Royer (2004), Spectral emissivity of northern land cover types derived with MODIS and ASTER sensors in MWIR and LWIR, *Canadian Journal of Remote Sensing, 30*(2), 150-156. 357

Pedersen, O. and H. Ulacco (2007), ASTER images applied to recognition of igneous-metamorphic units and associated structures in the "Rodeo Viejo Pluton", San Luis, Argentina, *Abstracts with Programs - Geological Society of America, 39*(6), 572.
Peet, V. M., M. S. Ramsey, and D. A. Crown (2006), Terrestrial volcanic and impact analogs to small Martian craters; utilizing remote sensing and field-based datasets to analyze formational and sediment transport processes; Lunar and planetary science, XXXVII; papers presented to the Thirty-seventh lunar and planetary science conference, *Abstracts of Papers Submitted to the Lunar and Planetary Science Conference, 37*.

Peet, V. M., M. S. Ramsey, and D. A. Crown (2007), Evaluating laboratory and satellite data of small terrestrial impact and volcanic craters as Mars analogs, *EOS, Transactions, American Geophysical Union, 21; 88*(52, Suppl. Volume 1-2), 0218.
Peet, V. M., M. S. Ramsey, and D. A. Crown (2007), Remote sensing analyses of small terrestrial volcanic and impact craters; a Mars analog for formation, morphology, and erosional processes; Lunar and planetary science, *Abstracts of Papers Submitted to the Lunar and Planetary Science Conference, 38*, @Abstract 2330.
Peijun, D., Z. Huapeng, Y. Linshan, L. Pei, and Z. Hairong (2008), Comparison of vegetation index from ASTER, CBERS and Landsat ETM+, paper presented at 2007 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2007, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Peijun, D., L. Pei, and L. Yan (2009), Urban thermal environment simulation and prediction based on remote sensing and GIS, paper presented at Geoscience and Remote Sensing Symposium,2009 IEEE International,IGARSS 2009, , IEEE, Cape Town, South Africa.
Pena, M. A. (2009), Examination of the Land Surface Temperature Response for Santiago, Chile, *Photogramm. Eng. Remote Sensing, 75*(10), 1191-1200. 358

Pena, M. A. and S. H. Altmann (2009), Recognition of the effect of Cinara cupressi (Hemiptera: Aphididae) in the sanitary condition of Austrocedrus chilensis by multispectral images, *Bosque, 30*(3), 151-158.
Pena, S. A. and M. G. Abdelsalam (2006), Orbital remote sensing for geological mapping in southern Tunisia: Implication for oil and gas exploration, *J. Afr. Earth Sci., 44*(2), 203-219.
Pena, S. A. (2005), Geological remote sensing in southern Tunisia for oil and gas exploration,.
Pena-Barragan, J., M. K. Ngugi, R. E. Plant, and J. Six (2011), Object-based crop identification using multiple vegetation indices, textural features and crop phenology, *Remote Sensing of Environment, 115*(6), 1301-1316.
PENG, G., J. LI, Y. CHEN, and A. NORIZAN (2007), A Forest Fire Risk Assessment Using ASTER Images in Peninsular Malaysia, *Zhongguo Kuangye Daxue Xuebao/Journal of China University of Mining and Technology, 17*(2), 232-237.
Peng, G., M. Wang, S. He, and S. Shu (2012), SiO2 content retrieving based on ASTER and its application in metallogenic prediction in abra, australian, paper presented at 2012 3rd International Conference on Information Technology for Manufacturing Systems, ITMS 2012, September 8, 2012 - September 9, 2012,Qingdao, China, , Trans Tech Publications.
Pepe, M., L. Boschetti, P. A. Brivio, and A. Rampini (2010), Comparing the performance of fuzzy and crisp classifiers on remotely sensed images: A case of snow classification, *Int. J. Remote Sens., 31*(23), 6189-6203.
Pequignot, E., A. Chedin, and N. A. Scott (2008), Infrared continental surface emissivity spectra retrieved from AIRS hyperspectral sensor, *Journal of Applied Meteorology and Climatology, 47*(6), 1619-1633.
Perego, A., M. Cremaschi, and A. Zerboni (2007), Il telerilevamento nella ricostruzione della paleoidrografia olocenica in zone aride; il caso di studio di Wadi Tanezzuft, Libia SO. Remote sensing to reconstruct the paleohydrology of Holocene arid environments; case study of Wadi 359

Tanezzuft, SW Libya, paper presented at Atti della 1 (super a) riunione del Gruppo di Geologia e Informatica, San Leo, Italy, May 31-June 1, 2006 / Proceedings of the 1st meeting of the Geology and Information Technology Group, , Societa Geologica Italiana, Rome, Italy (ITA).
Peres, L. F. and C. C. DaCamara (2006), Land-surface emissivity maps based on MSG/SEVIRI information, paper presented at Proceedings of the 2005 EUMETSAT Meteorological Satellite Conference, , EUMETSAT, Am Kavalleriesand 31 Darmstadt D-64295 Germany, Dubrovnik, Croatia.
Peres, L. F. and C. C. DaCamara (2005), Emissivity maps to retrieve land-surface temperature from MSG/SEVIRI, *IEEE Trans. Geosci. Remote Sens., 43*(8), 1834-1844.
Perkins, D. C. (2000), EOSDIS Terra Data Sampler #1: Western US Wildfires 2000; 1.1, *NASA/NP-2000-11-132-GSFC; NAS 1.83:11-132-GSFC;*, CD-ROM.
Permenter, J. L. and C. Oppenheimer (2007), Volcanoes of the Tibesti massif (Chad, northern Africa), *Bulletin of Volcanology, 69*(6), 609-626.
Permenter, J. L. and C. Oppenheimer (2002), The Tibesti volcanoes of Chad; an ASTER-based remote sensing analysis, *EOS Trans. Am. Geophys. Union, 83*(47), 1042, doi:http://adsabs.harvard.edu/cgi-bin/nph-bib_query?bibcode=2002AGUFM.S11A1130P&db_key=PHY.

Perreault, J. M. and A. R. Gillespie (2009), Remote sensing of volcano stream temperatures prior to eruptive phases, *Abstracts with Programs - Geological Society of America, 41*(7), 276.
Perrotta, M. M., T. I. R. de Almeida, J. B. F. de Andrade, C. R. de Souza Filho, G. J. Rizzotto, and M. G. M. dos Santos (2008), Geobotanica por sensoriamento remoto e aerogamaespectrometria aplicados ao mapeamento geologico da Amazonia; um estudo comparativo no vale do Guapore (MT): Remote sensing geobotany and airborne gamma-ray data applied to geological mapping of the Amazon: a comparative study in the Guaporé Valley (Mato Grosso State, Brazil), 360

Revista Brasileira de Geociencias, 38(1), 153-166, doi:http://ojs.c3sl.ufpr.br/ojs2/index.php/rbg/article/view/8255/8974.
Perry, J. L. and R. K. Vincent (2009), ASTER brightness and ratio codes for minerals; application to lithologic mapping in the West-Central Powder River basin, Wyoming, *Reviews in Economic Geology, 16*, 143-168.
Perry, J. L. (2003), An investigation into the use of ASTER (Advanced Spaceborne Thermal Emission and Reflection Radiometer) data for geologic mapping in the Powder River Basin, Wyoming, 121.
Perski, Z., J. Jania, and M. Stober (2004), SAR-interferometric flow velocities of two tidewater glaciers in NW Spitsbergen: Methods and results, paper presented at Proceedings of FRINGE 2003 Workshop, Dec 1-5 2003, , European Space Agency, Noordwijk, 2200 AG, Netherlands.
Persson, H., J. Wallerman, H. Olsson, and J. E. S. Fransson (2012), Estimating biomass and height using DSM from satellite data and DEM from high-resolution laser scanning data, paper presented at 2012 IEEE International Geoscience and Remote Sensing Symposium (IGARSS), 22-27 July 2012, Munich, Germany, .
Perveen, M. F., R. Nagasawa, A. O. C. Ahmed, M. I. Uddin, and R. Kimura (2008), Integrating biophysical and socio-economic data using GIS for land evaluation of wheat cultivation: A case study in north-west Bangladesh, *Journal of Food Agriculture & Environment, 6*(2), 432-437.
Petropoulos, G. P., W. Knorr, M. Scholze, L. Boschetti, and G. Karantounias (2010), Combining ASTER multispectral imagery analysis and support vector machines for rapid and cost-effective post-fire assessment: a case study from the Greek wildland fires of 2007, *Natural Hazards and Earth System Sciences, 10*(2), 305-317.
Petropoulos, G. P., C. C. Kontoes, and I. Keramitsoglou (2012), Land cover mapping with emphasis to burnt area delineation using co-orbital ALI and Landsat TM imagery, *Int. J. Appl. Earth Obs. Geoinf., 18*, 344-355, doi:http://dx.doi.org/10.1016/j.jag.2012.02.004. 361

Petroselli, A., M. Santini, F. Nardi, S. Grimaldi, and E. R. Vivoni (2007), Stream network extraction using remotely-sensed DEMs, paper presented at Earth; our changing planet; proceedings of IUGG XXIV general assembly , Perugia, ITA, Italy, July 2-13, 2007, , IUGG, [location varies], International (III).
Petrovic, A., S. D. Khan, and H. S. Chafetz (2008), Remote detection and geochemical studies for finding hydrocarbon-induced alterations in Lisbon Valley, Utah, *Mar. Pet. Geol., 25*(8), 696-705.
Petrovic, A. and S. Khan (2008), Remote sensing mapping of hydrocarbon-induced rock alterations in Lisbon Valley, Utah, *Abstracts with Programs - Geological Society of America, 40*(6), 263.
Petrovic, A. and S. D. Khan (2007), Remote detection and geochemical studies for finding hydrocarbon-induced alterations in Lisbon Valley, Utah, and Garza Field, Texas, *Abstracts with Programs - Geological Society of America, 39*(6), 572.
Petrovic, A., S. D. Khan, and H. S. Chafetz (2006), Finding hydrocarbon-induced alterations in Lisbon Valley, Utah; hyperspectral remote sensing and geochemical studies, *Abstracts: Annual Meeting - American Association of Petroleum Geologists, 15*, 85.
Petts, A. E. (2002), The morphotectonic study of the Paralana Escarpment and Yudnamutana Gorge, northern Flinders Ranges, S.A, *Abstracts - Geological Society of Australia, 69*, 56.
Pfeifer, M., M. Disney, T. Quaife, and R. Marchant (2012), Terrestrial ecosystems from space: a review of earth observation products for macroecology applications, *Global Ecol. Biogeogr., 21*(6), 603-624, doi:http://dx.doi.org/10.1111/j.1466-8238.2011.00712.x.
Pfister, G., J. C. Gille, D. Ziskin, G. Francis, D. P. Edwards, M. N. Deeter, and E. Abbott (2005), Effects of a Spectral Surface Reflectance on Measurements of Backscattered Solar Radiation: Application to the MOPITT Methane Retrieval, *J. Atmos. Ocean. Technol., 22*(5), 566-574, doi:10.1175/JTECH1721.1. 362

Pflanz, D., R. Freitag, M. Krbetschek, N. Tsukanov, and B. Baranov (2009), Tectonic geomorphology at the eastern coast of Kamchatka Cape Peninsula, Russia, *Programme with Abstracts - International Geomorphology Conference, 7*, @Abstract no. 490.
Pflanz, D., M. Krbetschek, R. Freitag, N. Tsukanov, and B. Baranov (2009), OSL dating of marine terraces in eastern Kamchatka, Russia, *Terra Nostra (Bonn), 2009-1*, 54-55.
Pham, H. M. and Y. Yamaguchi (2011), Urban growth and change analysis using remote sensing and spatial metrics from 1975 to 2003 for Hanoi, Vietnam, *Int. J. Remote Sens., 32*(7), 1901-1915, doi:10.1080/01431161003639652.
Pham, H. M., Y. Yamaguchi, and T. Q. Bui (2011), A case study on the relation between city planning and urban growth using remote sensing and spatial metrics, *Landscape and Urban Planning, 100*(3), 223-230, doi:http://dx.doi.org/10.1016/j.landurbplan.2010.12.009.
Philips, R. L. and O. Beeri (2008), Scaling-up knowledge of growing-season net ecosystem exchange for long-term assessment of North Dakota grasslands under the Conservation Reserve Program, *Global Change Biol., 14*(5), 1008-1017.
Phillips, R. J. (2008), Geological map of the Karakoram fault zone, eastern Karakoram, Ladakh, NW Himalaya, *Journal of Maps, 2008*, 21-37, doi:10.4113/jom.2008.98.
Phillips, R. L., O. Beeri, and M. Liebig (2006), Landscape estimation of canopy C : N ratios under variable drought stress in Northern Great Plains rangelands, *Journal of Geophysical Research-Biogeosciences, 111*(G2), G02015-G02015.
Phillips, R. L., M. K. Ngugi, J. Hendrickson, A. Smith, and M. West (2012), Mixed-Grass Prairie Canopy Structure and Spectral Reflectance Vary with Topographic Position, *Environ. Manage., 50*(5), 914-928, doi:http://dx.doi.org/10.1007/s00267-012-9931-5.
Phillips, R., O. Beeri, E. Scholljegerdes, D. Bjergaard, and J. Hendrickson (2009), Integration of geospatial and cattle nutrition information to estimate paddock grazing capacity in Northern US prairie, *Agricultural Systems, 100*(1-3), 72-79, doi:10.1016/j.agsy.2009.01.002. 363

Phillips, T., S. Leyk, H. Rajaram, W. Colgan, W. Abdalati, D. McGrath, and K. Steffen (2011), Modeling moulin distribution on Sermeq Avannarleq glacier using ASTER and WorldView imagery and fuzzy set theory, *Remote Sensing of Environment, 115*(9), 2292-2301.
Philp, A. (2003), The geography of change along the Lewis and Clark trail; utilizing distributed geospatial systems as a means of understanding; Geological Society of America, 2003 annual meeting, *Abstracts with Programs - Geological Society of America, 35*(6), 606.
Piatek, J. L., C. Hardgrove, J. E. Moersch, D. J. McCleese, and D. Beaty (2007), Potential rock glaciers on Mars; comparison with terrestrial analogs, *LPI Contribution, 1353*, @Abstract 3353-4.
Piatek, J. L., J. E. Moersch, M. Wyatt, M. Rampey, N. A. Cabrol, D. S. Wettergreen, R. Whittaker, E. A. Grin, G. Chong Diaz, C. Cockell, P. Coppin, J. M. Dohm, G. Fisher, A. N. Hock, L. Marinangeli, N. Minkley, G. G. Ori, A. Waggoner, K. Warren-Rhodes, S. Weinstein, D. Apostolopoulos, T. Smith, M. Wagner, K. Stubb, G. Thomas, and J. Glasgow (2005), Spectroscopic results from the Life in the Atacama (LITA) Project 2004 field season; Lunar and planetary science, XXXVI; papers presented to the Thirty-sixth lunar and planetary science conference, *Abstracts of Papers Submitted to the Lunar and Planetary Science Conference, 36*.
Piatek, J. L., I. Ukstins Peate, N. A. Cabrol, E. A. Grin, and G. Chong (2010), Monturaqui Crater (Atacama Desert, Chile) as a Mars analog; exploring the impact spherule hypothesis for Meridiani, *Lunar and Planetary Institute Contribution, 1533*, 2236.
Piatek, J. L. (2009), Thermophysical properties of terrestrial rock and debris-covered glaciers as analogs for Martian lobate debris aprons, *LPI Contribution, 1468*, 2127.
Piatek, J. L., C. Hardgrove, J. E. Moersch, D. M. Drake, M. B. Wyatt, M. Rampey, O. Carlisle, K. Warren-Rhodes, J. M. Dohm, A. N. Hock, N. A. Cabrol, D. S. Wettergreen, E. A. Grin, G. C. Diaz, P. Coppin, S. Weinstein, C. S. Cockell, L. Marinangeli, G. G. Ori, T. Smith, D. Jonak, M. Wagner, K. Stubbs, G. Thomas, E. Pudenz, and J. Glasgow (2007), Surface and subsurface composition of the Life in the Atacama field sites from rover data and orbital image analysis, 364

Journal of Geophysical Research-Biogeosciences, 112(G4), G04S04, doi:10.1029/2006JG000317.
Pieczonka, T., T. Bolch, and M. Buchroithner (2011), Generation and evaluation of multitemporal digital terrain models of the Mt. Everest area from different optical sensors, *ISPRS Journal of Photogrammetry and Remote Sensing, 66*(6), 927-940, doi:http://dx.doi.org/10.1016/j.isprsjprs.2011.07.003.

Piekarczyk, J., C. Kazmierowski, and S. Krolewicz (2012), Relationships between soil properties of the abandoned fields and spectral data derived from the advanced spaceborne thermal emission and reflection radiometer (ASTER), *Advances in Space Research, 49*(2), 280-291, doi:http://dx.doi.org/10.1016/j.asr.2011.09.010.
Pieri D C Crisp J Kahle,A.B. (1995), Observing Volcanism and Other Transient Phenomena with ASTER . *Journal of Remote Sensing Society of Japan, 15,NO.2*, PAGE.148-153.
Pieri, D. and M. Abrams (2004), ASTER watches the world's volcanoes: A new paradigm for volcanological observations from orbit, *J. Volcanol. Geotherm. Res., 135*(1-2), 13-28.
Pieri, D. and M. Abrams (2005), ASTER observations of thermal anomalies preceding the April 2003 eruption of Chikurachki volcano, Kurile Islands, Russia, *Remote Sens. Environ., 99*(1-2), 84-94.
Pieri, D., T. Gubbels, G. Hufford, P. Olsson, and V. Realmuto (2006), Assessing Mesoscale Volcanic Aviation Hazards using ASTER, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
Pieri, D. C., M. J. Abrams, and H. L. Tan (2007), Eruptions on A Virtual Globe: The Aster Volcano Archive, *EOS, Transactions, American Geophysical Union, 33; 88*(52, Suppl. Volume 1-2), 0868.
Pieri, D., M. Abrams, A. Abtahi, M. F. Buongiorno, G. Holland, G. Hufford, G. M. Saggiani, and J. Simpson (2005), In-Situ Observations of Volcanic Plumes for Applications and Research, 365

paper presented at NASA Solid Earth & Natural Hazards (SENH) 2005 Program Review Proceedings, .
Pieri, D. (1996), Monitoring volcanism and transient processes with the Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER), paper presented at Infrared spaceborne remote sensing IV; Proceedings of the Conference, Denver, CO; UNITED STATES; 6-7 Aug. 1996, , Society of Photo-Optical Instrumentation Engineers.
Pieri, D., M. Abrams, P. Ko, and H. Tan (2007), The ASTER volcano archive a global perspective, paper presented at Earth; our changing planet; proceedings of IUGG XXIV general assembly, Perugia, ITA, Italy, July 2-13, 2007, , IUGG, [location varies],.
Pieri, D. and M. F. Buongiorno (1995), Landsat TM observations of Mt. Etna summit crater radiance increases before the 1991-1993 eruption; implications for ASTER observations; AGU 1995 fall meeting, *EOS Trans. Am. Geophys. Union, 76*(46), 135.
Piscini, A., S. Amici, and D. Fieri (2010), Spectral analysis of aster and hyperion data for geological classification of volcano teide, paper presented at 2010 30th IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2010, July 25, 2010 - July 30, , Institute of Electrical and Electronics Engineers Inc, Honolulu, HI.
Pittiglio, C., A. K. Skidmor, C. A. J. M. de Bie, and A. Murwira (2011), A common dominant scale emerges from images of diverse satellite platforms using the wavelet transform, *Int. J. Remote Sens., 32*(13), 3665-3687.
Piurek, R. B. (2007), Classification of wetland ground-water interactions using remote sensing, 116.
Pocock, J. M., S. D. Thompson, Z. L. Aslett, L. E. Huebner, D. Pace, and G. S. Vice (2007), Lithologic mapping of the Terraced Hills, northwestern Pyramid Lake, Nevada, using ASTER and HyMap remote sensing data; Geological Society of America, Rocky Mountain Section, 59th annual meeting, *Abstracts with Programs - Geological Society of America, 39*(5), 36. 366

Poggio, L. and P. Soille (2011), A probabilistic approach to river network detection in digital elevation models, *Catena, 87*(3), 341-350, doi:http://dx.doi.org/10.1016/j.catena.2011.07.001.
Poli, D. (2005), Modelling of spaceborne linear array sensors, *DAI, 67*(01C), 212-176.
Polous, K., A. Farshad, M. Zarinkafsh, and M. H. Roozitalab (2011), Evaluation of the spatio-temporal of soil salinity variation using data mining approach , paper presented at ICSDM 2011 - Proceedins 2011 IEEE International Conference on Data Mining and Geographical Knowledge Services, June 29 2011-July 1 2011, , IEEE COmputer Society, Piscataway, NJ, Fuzhou, China.
Polychronaki, A. and I. Z. Gitas (2010), The development of an operational procedure for burned-area mapping using object-based classification and ASTER imagery, *Int. J. Remote Sens., 31*(4), 1113-1120, doi:10.1080/01431160903334497.
Poulain, M., M. Pena, A. Schmidt, H. Schmidt, and A. Schulte (2010), Relationships between forest variables and remote sensing data in a Nothofagus pumilio forest, *Geocarto International, 25*(1), 25-43, doi:http://dx.doi.org/10.1080/10106040902803558.
Poulain, M., M. Pena, A. Schmidt, H. Schmidt, and A. Schulte (2012), Aboveground biomass estimation in intervened and non-intervened Nothofagus pumilio forests using remotely sensed data, *Int. J. Remote Sens., 33*(12), 3816-3833, doi:http://dx.doi.org/10.1080/01431161.2011.635716.
Poulton, S. (2006), Turkish delight, *Mater. World, 14*(2), 24-26.

Pour, A. B. and M. Hashim (2012), The application of ASTER remote sensing data to porphyry copper and epithermal gold deposits, *Ore Geol. Rev., 44*, 1-9, doi:http://dx.doi.org/10.1016/j.oregeorev.2011.09.009. 367

Pour, A. B. and M. Hashim (2012), Identifying areas of high economic-potential copper mineralization using ASTER data in the Urumieh-Dokhtar Volcanic Belt, Iran, *Advances in Space Research, 49*(4), 753-769, doi:http://dx.doi.org/10.1016/j.asr.2011.11.028.
Pour, A. B. and M. Hashim (2011), Identification of hydrothermal alteration minerals for exploring of porphyry copper deposit using ASTER data, SE Iran, *J. Asian Earth Sci., 42*(6), 1309-1323, doi:http://dx.doi.org/10.1016/j.jseaes.2011.07.017.
Pourghasemi, H. R., M. Mohammady, and B. Pradhan (2012), Landslide susceptibility mapping using index of entropy and conditional probability models in GIS: Safarood Basin, Iran, *Catena, 97*, 71-84, doi:http://dx.doi.org/10.1016/j.catena.2012.05.005.
Powell, S. L., D. Pflugmacher, A. A. Kirschbaum, Y. Kim, and W. B. Cohen (2007), Moderate resolution remote sensing alternatives: A review of Landsat-like sensors and their applications, *Journal of Applied Remote Sensing, 1*(1), 012506.
Prelat, A. E., R. O. Gazzani, and G. R. Kuehl (2002), Aplicacion de sensores aerotransportados multiespectrales e hiperespectrales en la exploracion geologica y en la proteccion del medio ambiente: Airborne multispectral and hyperspectral remote sensing in mineral exploration and environmental monitoring, paper presented at XV Congreso Geologico Argentino, 23 April 2002, , Asociacion Geologica Argentina, Buenos Aires.
Prescott, T. G. (2006), Estimating temporal and spatial variations in water clarity at Lake Tahoe, California-Nevada, using ASTER multi-spectral remote sensing data, *MAI, 45*(01), 96-257.
Prieto Ballesteros, O., D. C. Fernandez Remolar, F. Gomez, J. Torres, D. Gomez Ortiz, J. S. Kargel, E. Gonzalez Pastor, M. Fernandez Sampedro, M. P. Martin Redondo, C. Gonzalez de Figueras, and J. Gomez Elvira (2006), The permafrost in the Imuruk Lake basaltic field (Alaska) as a Martian permafrost analogue; Lunar and planetary science, XXXVII; papers presented to the Thirty-seventh lunar and planetary science conference, *Abstracts of Papers Submitted to the Lunar and Planetary Science Conference, 37*. 368

Pritchard, M. E., L. Tumia, and E. Trautmann (2006), InSAR monitoring of volcanoes at the highest resolution: Creation and analysis of 30 meter/pixel topographic maps with interferograms from Andean volcanoes, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
Privette, J. L. and G. P. Asner (1999), The Prototype Validation Exercise (PROVE) for EOS land and atmosphere products, paper presented at IEEE 1999 International Geoscience and Remote Sensing Symposium. IGARSS'99; 'Remote Sensing of the Systems Earth - A Challenge for the 21st Century', Jun 28-Jul 2 1999, , IEEE, Hamburg, Germany.
Privette, J. L., G. P. Asner, J. Conel, K. F. Huemmrich, R. Olson, A. Rango, A. F. Rahman, K. Thome, and E. A. Walter-Shea (2000), The EOS prototype validation exercise (PROVE) at Jornada: Overview and lessons learned, *Remote Sens. Environ., 74*(1), 1-12.
Pryce, T. O. and M. J. Abrams (2010), Direct detection of Southeast Asian smelting sites by ASTER remote sensing imagery: technical issues and future perspectives, *Journal of Archaeological Science, 37*(12), 3091-3098, doi:10.1016/j.jas.2010.07.009.
Pshenichnikov, A. Y. (2005), Otobrazheniye nekotorykh gidrologicheskikh kharakteristik ozer cherez ikh morfometricheskiye pokazateli; na primere Kurganskoy oblasti. Visualization of lake hydrology characteristics with the use of their morphometry; examples from Kurgan region, *Vestnik Moskovskogo Universiteta, Seriya 5: Geografiya, 2005*(3), 47-53.
Pu, R. L., P. Gong, R. Michishita, and T. Sasagawa (2006), Assessment of multi-resolution and multi-sensor data for urban surface temperature retrieval, *Remote Sens. Environ., 104*(2), 211-225.
Pu, R., P. Gong, and R. Michishita (2007), Spectral mixture analysis for mapping abundance of urban surface components from the terra/aster data, paper presented at American Society for Photogrammetry and Remote Sensing, ASPRS Annual Conference 2007: Identifying Geospatial Solutions, May 7, 2007 - May 11, 2007, Tampa, FL, , American Society for Photogrammetry and Remote Sensing. 369

Pu, R., P. Gong, R. Michishita, and T. Sasagawa (2008), Spectral mixture analysis for mapping abundance of urban surface components from the Terra/ASTER data, *Remote Sens. Environ., 112*(3), 939-954.

Pugliese, L., S. Scarpetta, and F. Giacco (2008), An application of the Self Organizing Map Algorithm to computer aided classification of ASTER multispectral data, *Rivista Italiana Di Telerilevamento, 40*(1), 123-129.
Pugnaghi, S., S. Teggi, S. Corradini, M. F. Buongiorno, T. Caltabiano, V. Lombardo, and D. C. Pieri (2002), Aster So2 Estimation During The 2001 Mt. Etna Eruption, *27*, 342.
Pugnaghi, S., S. Teggi, S. Corradini, M. F. Buongiorno, L. Merucci, and M. P. Bogliolo (2002), Estimation of SO2 abundance in the eruption plume of Mt. Etna using two MIVIS thermal infrared channels: a case study from the Sicily-1997 Campaign, *Bulletin of Volcanology, 64*(5), 328-337.
Pugnaghi, S., G. Gangale, S. Corradini, and M. F. Buongiorno (2006), Mt. Etna sulfur dioxide flux monitoring using ASTER-TIR data and atmospheric observations, *J. Volcanol. Geotherm. Res., 152*(1-2), 74-90.
Purvis, C. L., V. Lakshmi, and B. Helmuth (2006), Satellite Monitoring of Long Term Changes in Intertidal Thermal Conditions, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
Qari, M. H. T., A. A. Madani, M. I. M. Matsah, and Z. Hamimi (2008), Utilization of ASTER and Landsat data in geologic mapping of basement rocks of Arafat Area, Saudi Arabia, *Arabian Journal for Science and Engineering, 33*(1C), 99-116.
Qi, L., I. Sato, and Y. Murakami (2006), Simultaneous perturbation stochastic approximation algorithm for automated image registration optimization, paper presented at 2006 IEEE International Geoscience and Remote Sensing Symposium, IGARSS, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States. 370

Qiang, Y., Z. Zhi, Chen Wei-tao, and Qian Li-ping (2008), Water quality monitoring by remote sensing in Hushan Tailings Reservoir of Huji, Hubei Province, paper presented at Remote Sensing of the Environment: 16th National Symposium on Remote Sensing of China, , SPIE - The International Society for Optical Engineering.
Qing, K., R. Yu, X. Li, and X. Deng (2005), Application of spectral angle mapping model to rapid assessment of soil salinization in arid area, paper presented at 2005 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2005, Jul 25-29 2005, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Qingqing, H., J. Yuan, and Y. Jian (2011), Improved fusion method for infrared and visible remote sensing imagery using NSCT, paper presented at 6th IEEE Conference on Industrial Electronics and Applications (ICIEA), 2011, .
Qiu, F., M. Abdelsalam, and P. Thakkar (2006), Spectral analysis of ASTER data covering part of the Neoproterozoic Allaqi-Heiani suture, Southern Egypt, *J. Afr. Earth Sci., 44*(2), 169-180.
Qiu, H. and J. Zhong (2001), Remote sensing of landcover changes in Turfan Basin, northwest China using Landsat and ASTER data, paper presented at Multispectral and Hyperspectral Image Acquisition and Processing, Oct 22-24 2001, , The International Society for Optical Engineering, Wuhan, China.
Qui, Z., W. Li, M. Gao, and H. Zhang (2006), An algorithm to retrieve land surface temperature from ASTER thermal band data for agricultural drought monitoring, paper presented at Remote Sensing for Agriculture, Ecosystems, and Hydrology VIII, Sep 11-13 2006, , International Society for Optical Engineering, Bellingham WA, WA 98227-0010, United States, Stockholm, Sweden.
Quigley, M. C. (2002), Tectonic development of Proterozoic structures and their influence on Laramide and Miocene deformation, north Virgin Mountains, SE Nevada and NW Arizona,. 371

Quincey, D. J. and N. F. Glasser (2009), Morphological and ice-dynamical changes on the Tasman Glacier, New Zealand, 1990-2007, *Global Planet. Change, 68*(3), 185-197, doi:10.1016/j.gloplacha.2009.05.003.
Quincey, D. J., R. M. Lucas, S. D. Richardson, N. F. Glasser, M. J. Hambrey, and J. M. Reynolds (2005), Optical remote sensing techniques in high-mountatin environments: application to glacial hazards, *Prog. Phys. Geogr., 29*(4), 475-505.
Quincey, D. J., A. Luckman, and D. Benn (2009), Quantification of Everest region glacier velocities between 1992 and 2002, using satellite radar interferometry and feature tracking, *J. Glaciol., 55*(192), 596-606.
Quintanilha, J. A., L. E. Filho, and A. M. K. Beltrame (2008), Spatial and spectral comparison among IKONOS, CBERS and ASTER images to identify and detect land occupation changes around urban railway in Sao Paulo - Brazil, paper presented at 2007 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2007, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.

Quirk, B. R. and R. J. Thompson (1991), Early EOS activities at the land processes Distributed Active Archive Center, paper presented at Technical Papers - 1991 ACSM-ASPRS Annual Convention, , Publ by ACSM, Bethesda, MD, USA.
Quiros, E., A. M. Felicisimo, and A. Cuartero (2009), Testing Multivariate Adaptive Regression Splines (MARS) as a Method of Land Cover Classification of TERRA-ASTER Satellite Images, *Sensors, 9*(11), 9011-9028, doi:10.3390/s91109011.
Racoviteanu, A. (2009), Remote sensing and GIS techniques for assessing decadal glacier changes in the Sikkim and Nepal Himalayas, *Geophysical Research Abstracts, 11*, EGU2009-3342. 372

Racoviteanu, A. E., W. F. Manley, Y. Arnaud, and M. W. Williams (2007), Evaluating digital elevation models for glaciologic applications: An example from Nevado Coropuna, Peruvian Andes, *Global Planet. Change, 59*(1-4), 110-125.
Racoviteanu, A. E., M. W. Williams, and R. G. Barry (2008), Optical remote sensing of glacier characteristics: A review with focus on the Himalaya, *Sensors, 8*(5), 3355-3383.
Racoviteanu, A. (2011), Himalayan glaciers: Combining remote sensing, field techniques and indigenous knowledge to understand spatio-temporal patterns of glacier changes and their impact on water resources, 273.
Racoviteanu, A. E., Y. Arnaud, M. W. Williams, and J. Ordonez (2008), Decadal changes in glacier parameters in the Cordillera Blanca, Peru, derived from remote sensing, *J. Glaciol., 54*(186), 499-510.
Racoviteanu, A. E., F. Paul, B. Raup, S. J. S. Khalsa, and R. Armstrong (2009), Challenges and recommendations in mapping of glacier parameters from space; results of the 2008 Global Land Ice Measurements from Space (GLIMS) workshop, Boulder, Colorado, USA, *Annals of Glaciology, 50*(53), 53-69.
Racoviteanu, A., Y. Arnaud, and M. W. Williams (2007), Estimating glacier changes in the Cordillera Blanca, Peruvian Andes at decadal scales using remote sensing, GIS methods and field-based measurements, paper presented at Earth: Our Changing Planet. Proceedings of IUGG XXIV general assembly, Perugia, ITA, Italy, July 2-13, 2007, , IUGG, [location varies], International (III).
Racoviteanu, A. and M. W. Williams (2012), Decision tree and texture analysis for mapping debris-covered glaciers in the Kangchenjunga area, eastern Himalaya, *Remote Sensing, 4*(10), 3078-3109, doi:http://dx.doi.org/10.3390/rs4103078.
Radebaugh, J., R. D. Lorenz, N. Lancaster, C. J. Savage, S. D. Wall, E. R. Stofan, J. I. Lunine, R. L. Kirk, and A. Le Gal (2010), Winds and sand transport patterns on Titan from dune 373

interactions with topography, *LPI Contribution, 1533*, 2513, doi:http://www.lpi.usra.edu/meetings/lpsc2010/pdf/2513.pdf.
Radhakrishnan, K. (2008), Major thrust areas of remote sensing and GIS applications in geosciences - An overview, *Journal of the Geological Society of India, 71*(2), 153-170.
Raehtz, S. M. (2011), Accounting for uncertainty in viewshed analysis of IED ambush sites in Afghanistan, 105.
Rafiq, L., T. Blaschke, and P. Zeil (2010), Application of satellite derived information for disaster risk reduction; Vulnerability assessment for SW-coast of Pakistan, paper presented at Earth Resources and Environmental Remote Sensing/GIS Applications, September 21, 2010 - September 23, , SPIE, Toulouse, France.
Rager, A. H., H. B. Rager, and G. R. Seymour (2002), Using remote sensing and GIS to identify potential clay sources for Topoc Buff ware, Willow Beach, Arizona; Geological Society of America, 2002 annual meeting, *Abstracts with Programs - Geological Society of America, 34*(6), 379.
Rahman As-syakur, A., T. Osawa, and I. W. Adnyana (2010), Medium spatial resolution satellite imagery to estimate gross: primary production in an urban area, *Remote Sensing, 2*(6), 1496-1507.
Rahman, A., Y. Kumar, S. Fazal, and S. Bhaskaran (2011), Urbanization and Quality of Urban Environment Using Remote Sensing and GIS Techniques in East Delhi-India, *Journal of Geographic Information System, 3*(1), 62-84, doi:http://dx.doi.org/10.4236/jgis.2011.31005.
Rahman, A., S. Kumar, S. Fazal, and M. A. Siddiqui (2012), Assessment of Land use/land cover Change in the North-West District of Delhi Using Remote Sensing and GIS Techniques, *Journal of the Indian Society of Remote Sensing, 40*(4), 689-697, doi:http://dx.doi.org/10.1007/s12524-011-0165-4. 374

Rai, R. and I. Sato (2006), Parameter selection and its evaluation for ASTER data classification model using support vector machine (SVM).

Raimadoya, M. A. and B. H. Trisasongko (2007), Application of polsar for tropical timber plantation in Indonesia, paper presented at PolInSAR 2007: 3rd International Workshop on Science and Applications of SAR Polarimetry and Polarimetric Interferometry, , European Space Agency, Noordwijk, 2200 AG, Netherlands, Frascati, Italy.
Rajasekar, U. and Q. Weng (2009), Application of Association Rule Mining for Exploring the Relationship between Urban Land Surface Temperature and Biophysical/Social Parameters, *Photogramm. Eng. Remote Sensing, 75*(4), 385-396.
Rajasekar, U. and Q. Weng (2009), Urban heat island monitoring and analysis using a non-parametric model: A case study of Indianapolis, *ISPRS Journal of Photogrammetry and Remote Sensing, 64*(1), 86-96.
Rajendran, S., S. al-Khirbash, B. Pracejus, S. Nasir, A. Al-Abri, T. M. Kusky, and A. Ghulam (2012), ASTER detection of chromite bearing mineralized zones in Semail Ophiolite Massifs of the northern Oman Mountains: Exploration strategy, *Ore Geology Reviews, 44*, 121-135.
Rajendran, S., O. S. Hersi, A. Al-Harthy, M. Al-Wardi, M. A. El-Ghali, and A. H. Al-Abri (2011), Capability of advanced spaceborne thermal emission and reflection radiometer (ASTER) on discrimination of carbonates and associated rocks and mineral identification of eastern mountain region (Saih Hatat window) of Sultanate of Oman, *Carbonates Evaporites, 26*(4), 351-364, doi:http://dx.doi.org/10.1007/s13146-011-0071-4.
Rajendran, S., A. Thirunavukkarasu, G. Balamurugan, and K. Shankar (2011), Discrimination of iron ore deposits of granulite terrain of Southern Peninsular India using ASTER data, *Journal of Asian Earth Sciences, 41*(1), 99-106, doi:10.1016/j.jseaes.2011.01.004. 375

RAJESH, H. M. (2004), Application of remote sensing and GIS in mineral resource mapping - An overview, *Journal of Mineralogical and Petrological Sciences, 99*(3), 83-103, doi:10.2465/jmps.99.83.
Raleigh, M. S., K. Rittger, C. E. Moore, B. Henn, J. A. Lutz, and J. D. Lundquist (2013), Ground-based testing of MODIS fractional snow cover in subalpine meadows and forests of the Sierra Nevada, *Remote Sens. Environ., 128*, 44-57, doi:http://dx.doi.org/10.1016/j.rse.2012.09.016.
Ramage, J. M., D. T. Rodbell, S. Hall, J. A. Smith, B. G. Mark, G. O. Seltzer, R. Finkel, D. Farber, and S. Otto (2004), Paleo-ELA depression and regional ELA gradients in the Cordillera Huayhuash, Peru; Geological Society of America, 2004 annual meeting, *Abstracts with Programs - Geological Society of America, 36*(5), 513.
Ramage, J. M., D. T. Rodbell, S. A. Otto, and K. E. Stevens (2003), Pre-late-glacial to Recent glacier extents and constraints on ELA depression in the Jahuacocha Valley, Cordillera Huayhuash, Peru; Geological Society of America, 2003 annual meeting, *Abstracts with Programs - Geological Society of America, 35*(6), 423.
Ramage, J. M., J. A. Smith, D. T. Rodbell, and G. O. Seltzer (2005), Comparing reconstructed Pleistocene equilibrium-line altitudes in the tropical Andes of central Peru; Glacial geology and paleoclimate records from the Americas; in memory of Geoffrey Owen Seltzer, 1959-2005, *JQS.Journal of Quaternary Science, 20*(7-8), 777-788, doi:10.1002/jqs.982.
Ramos, Y. (2009), Etude du potentiel des donnees satellitaires pour la cartographie geologique/Study of the potential of satellite data for geological mapping, 68.
Ramsey, M. and J. Dehn (2004), The synergy of field and satellite-based thermal infrared observations for volcanic surfaces, *EOS, Transactions, American Geophysical Union, 32*(47. Suppl.), Abstract V32A-08. 376

Ramsey, M. and R. Wessels (2007), Monitoring Changing Eruption Styles of Kilauea Volcano Over the Summer of 2007 With Spaceborne Infrared Data, *EOS, Transactions, American Geophysical Union, 88*(52, Suppl. Volume 1-2), Abstract V51H-07.
Ramsey, M., R. Wessels, J. Dehn, K. Duda, A. Harris, and M. Watson (2008), The NASA ASTER urgent request program; the last eight plus years of monitoring Kamchatka's volcanoes from space, *EOS Trans. Am. Geophys. Union, 89*(53, Suppl.), @Abstract V41E-04.
Ramsey, M. and S. Wright (2005), Mapping stratigraphy from space: Analysis of thermal infrared data of impact crater ejecta on Mars and Earth from the THEMIS and ASTER instruments, *EOS Transactions, American Geophysical Union, 86*(52, Suppl.), P24A-07.
Ramsey, M. S. (2002), Closing the terrestrial-planetary remote sensing loop: Spectral, spatial and physical proxies, *62*, 12.

Ramsey, M. S. (2002), Ejecta distribution patterns at Meteor Crater, Arizona: On the applicability of lithologic end-member deconvolution for spaceborne thermal infrared data of Earth and Mars, *Journal of Geophysical Research-Planets, 107*(E8), 5059-5059.
Ramsey, M. S. (2004), The eruptions of Bezymianny volcano as seen in the infrared; the linkage of dome emplacement processes with near-real time eruption monitoring, *Program with Abstracts - Geological Association of Canada; Mineralogical Association of Canada: Joint Annual Meeting, 29*, 313.
Ramsey, M. S. (2004), Quantitative geological surface processes extracted from infrared spectroscopy and remote sensing, in *Infrared Spectroscopy in Geochemistry, Exploration, and Remote Sensing,* , vol. 33, edited by P. King et al, pp. 197-213, London, ON, Mineralogical Association of Canada.
Ramsey, M. S. (2006), The critical need for moderate to high resolution thermal infrared data for volcanic hazard mitigation and process monitoring from the micron to the kilometer scale, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.). 377

Ramsey, M. S. and D. A. Crown (2004), Quantitative analyses of terrestrial crater deposits; constraining formation and sediment transport processes on Mars, *Abstracts of Papers Submitted to the Lunar and Planetary Science Conference, 35*, @unpaginated.
Ramsey, M. S. and J. H. Fink (1999), Estimating silicic lava vesicularity with thermal remote sensing: a new technique for volcanic mapping and monitoring, *Bulletin of Volcanology, 61*(1-2), 32-39.
Ramsey, M. S. and J. H. Fink (2000), Hazard mitigation associated with silicic dome emplacement; monitoring surface textural variations using remote sensing, paper presented at IAVCEI general assembly 2000; Exploring volcanoes; utilization of their resources and mitigation of their hazards, , IAVCEI, Indonesia (IDN), Bali, Indonesia.
Ramsey, M. S., W. L. Stefanov, P. R. Christensen, and ERIM International, Ann Arbor, MI,United States (USA) (1999), Monitoring world-wide urban land cover changes with ASTER; preliminary results from the Phoenix, AZ LITER site; Proceedings of the Thirteenth international conference on Applied geologic remote sensing, paper presented at Thirteenth international conference and workshops on Applied geologic remote sensing, Vancouver, BC, Canada, March 1-3, 1999, , Environmental Research Institute of Michigan, Ann Arbor, MI, United States (USA).
Ramsey, M. S. (2008), Mining below the sub-pixel scale; past results and new directions in thermal infrared data analysis of the Earth and Mars, *Abstracts with Programs - Geological Society of America, 40*(6), 408.
Ramsey, M. S. and J. Dehn (2003), The explosive and effusive dome-forming eruptions of Kamchatkan volcanoes; quantitative measurements from space, *International Union of Geodesy and Geophysics General Assembly = Union Geodesique et Geophysique Internationale Comptes Rendus de la ...Assemblee Generale, 2003, Week 1*, A499, doi:http://www.jamstec.go.jp/jamstec-e/iugg/htm/abstract/abst/v05/020287-1.html. 378

Ramsey, M. S. and J. Dehn (2004), Spaceborne observations of the 2000 Bezymianny, Kamchatka eruption; the integration of high-resolution ASTER data into near real-time monitoring using AVHRR, *J. Volcanol. Geotherm. Res., 135*(1-2), 127-146, doi:10.1016/j.jvolgeores.2003.12.014.
Ramsey, M. S., J. Dehn, J. N. Adleman, J. F. Larsen, R. G. McGimsey, C. A. Neal, and R. L. Wessels (2003), Deciphering silicic dome emplacement processes in the North Pacific; quantitative analyses of high resolution satellite and field-based data; AGU 2003 fall meeting, *EOS Trans. Am. Geophys. Union, 84*(46).
Ramsey, M. S. and J. H. Fink (1997), Remote determination of lava vesicularity; technique preparation for the upcoming spaceborne ASTER instrument; Geological Society of America, Cordilleran Section, 93rd annual meeting [modified], *Abstracts with Programs - Geological Society of America, 29*(5), 58.
Ramsey, M. S. and L. P. Flynn (2004), Strategies, insights, and the recent advances in volcanic monitoring and mapping with data from NASA's Earth Observing System; Volcanic observations from space; new results from the EOS Satellite instruments, *J. Volcanol. Geotherm. Res., 135*(1-2), 1-11, doi:10.1016/j.jvolgeores.2003.12.015.
Ramsey, M. S. and N. Lancaster (1998), Using remote sensing to derive sediment mixing patterns in arid environments; future global possibilities with the ASTER instrument; Geological Society of America, 1998 annual meeting, *Abstracts with Programs - Geological Society of America, 30*(7), 360.
Ramsey, M. S. and D. C. Pieri (2002), Monitoring, assessment and mitigation of volcanic hazards using the spaceborne ASTER instrument; Geological Society of America, 2002 annual meeting, *Abstracts with Programs - Geological Society of America, 34*(6), 550.

Ramsey, M. S., R. L. Wessels, and S. W. Anderson (2012), Surface textures and dynamics of the 2005 lava dome at Shiveluch Volcano, Kamchatka, *Geological Society of America Bulletin, 124*(5-6), 678-689, doi:http://dx.doi.org/10.1130/B30580.1. 379

Ramsey, M., J. M. Byrnes, R. Wessels, and P. Izbekov (2007), Applications of Moderate-Resolution Satellite Remote Sensing for the Northern Pacific Volcanic Arcs, in , edited by Anonymous , pp. 45.
Ramsey, M. and J. LaBrecque (2004), Automation of the ASTER Emergency Data Acquisition Protocol for Scientific Analysis, Disaster Monitoring and Preparedness, 0.
RAMSEY, M., D. HOWARD, P. CHRISTENSEN, N. LANCASTER, and Arizona State Univ., Tempe,AZ.Dept.of Geology. (1993), Mineralogic variability of the Kelso Dunes, Mojave Desert, California derived from Thermal Infrared Multispectral Scanner (TIMS) data, paper presented at JPL, Summaries of the 4th Annual JPL Airborne Geoscience Workshop. Volume 2: TIMS Workshop p 9-12(SEE N95-23917 07-42); UNITED STATES, .
Rango, A., A. Laliberte, J. Herrick, C. Steele, B. Bestelmeyer, and M. J. Chopping (2006), Use of UAVs for Remote Measurement of Vegetation Canopy Variables, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
Ranjbar, H., F. Masoumi, and E. J. M. Carranza (2011), Evaluation of geophysics and spaceborne multispectral data for alteration mapping in the Sar Cheshmeh mining area, Iran, *Int. J. Remote Sens., 32*(12), 3309-3327.
Rankin, A. J. and T. K. P. Gregg (2012), Predicted ash hazards from potential eruptions at Nevado Sabancaya, Peru; HYSPLIT and remote sensing, *Abstracts with Programs - Geological Society of America, 44*(5), 74.
Ranson, K. J., Y. Kaufman, D. Herring, G. J. Collatz, F. Bordi, and Si-Chee Tsay (1998), Overview of EOS AM-1 platform and science, paper presented at IGARSS '98. Sensing and Managing the Environment. 1998 IEEE International Geoscience and Remote Sensing. Symposium Proceedings, 6-10 July 1998, , IEEE. 380

Ranson, K. J., G. J. Collatz, D. J. Diner, A. B. Kahle, and V. V. Salomonson (1998), Special issue on EOS AM-1 platform, instruments, and scientific data, *IEEE Transactions on Geoscience and Remote Sensing, 36*(4), 1039-1353.
Ranzi, R., G. Grossi, L. Iacovelli, and S. Taschner (2004), Use of multispectral ASTER images for mapping debris-covered glaciers within the GLIMS project, paper presented at 2004 IEEE International Geoscience and Remote Sensing Symposium Proceedings: Science for Society: Exploring and Managing a Changing Planet. IGARSS 2004, Sep 20-24 2004, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Ranzi, R., G. Grossi, A. Gitti, and S. Taschner (2010), Energy and mass balance of the Madrone Glacier (Adamello, Central Alps), *Geografia Fisica e Dinamica Quaternaria (Testo Stampato), 33*(1), 45-60.
Rao, X., F. Miao, R. Liu, and X. Deng (2011), DEM generation of typical mountain area based on InSAR technology, paper presented at ICSDM 2011 - Proceedings 2011 IEEE International Conference on Spatial Data Mining and Geographical Knowledge Services, June 29, 2011 - July 1, , IEEE Computer Society, Fuzhou, China.
Rashid, M., M. A. Lone, and S. Ahmed (2012), Integrating geospatial and ground geophysical information as guidelines for groundwater potential zones in hard rock terrains of south India, *Environmental monitoring and assessment, 184*(8), 4829-4839, doi:http://dx.doi.org/10.1007/s10661-011-2305-2.
Rassineux, B. and T. Labbe (1995), Stress field determination in an alloy 600 stress corrosion crack specimen (Determination du champ de contraintes dans une eprouvette de corrosion sous contrainte de l'alliage 600), *NASA no. 19980000938; EDF-96-NB-00114; DE97-611973*.
Rastmanesh, F., F. Moore, H. Asadi Harouni, and S. Modabberi (2008), Mapping mineralogical alteration using principal component analysis and matched filter processing in Takab area, NW Iran from ASTER data, *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 33*, @Abstract 1257014. 381

Rastner, P., T. Bolch, and F. Paul (2011), 2011 the first complete glacier inventory for eastern Greenland, *American Geophysical Union Fall Meeting, 2011*, Abstract C31A-0598, doi:http://www.agu.org/cgi-bin/SFgate/SFgate?language=English&verbose=0&listenv=table&application=fm11&convert=&convert hl=&refinequery=&formintern=&formextern=&transquery=an%3dc31a&_lines=&multiple=0&descripto r=%2fdata%2fepubs%2fwais%2findexes%2ffm11%2ffm11%7c.
Rau, F., F. Mauz, H. de Angelis, R. Jana, J. A. Neto, P. Skvarca, S. Vogt, H. Saurer, and H. Gossmann (2004), Variations of glacier frontal positions on the northern Antarctic Peninsula; Papers from the Seventh international symposium on Antarctic glaciology, *Annals of Glaciology, 39*, 525-530.
Raup, B., A. Kaab, J. S. Kargel, M. P. Bishop, G. Hamilton, E. Lee, F. Paul, F. Rau, D. Soltesz, S. J. S. Khalsa, M. Beedle, and C. Helm (2007), Remote sensing and GIS technology in the global land ice measurements from space (GLIMS) project, *Comput. Geosci., 33*(1), 104-125.
Raup, B., A. Racoviteanu, S. J. S. Khalsa, C. Helm, R. Armstrong, and Y. Arnaud (2007), The GLIMS geospatial glacier database: A new tool for studying glacier change, *Global Planet. Change, 56*(1-2), 101-110.
Raup, B. H., R. Armstrong, G. Scharfen, S. S. Khalsa, I. Wang, and R. G. Barry (2003), Global Land Ice Measurements from Space (GLIMS) Database at NSIDC, *EOS Transactions, American Geophysical Union, 84*(46 Suppl.), Abstract C11C-0837.
Raup, B. H., S. J. S. Khalsa, R. Armstrong, and A. Racoviteanu (2009), GLIMS; progress in mapping the world's glaciers, *Geophysical Research Abstracts, 11*, EGU2009-6398-1.
Raup, B. H., S. S. Khalsa, and R. Armstrong (2006), Creating improved ASTER DEMs over glacierized terrain, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.). 382

Raup, B. H., H. H. Kieffer, T. M. Hare, and J. S. Kargel (2000), Generation of data acquisition requests for the ASTER satellite instrument for monitoring a globally distributed target: glaciers, *IEEE Trans. Geosci. Remote Sens., 38*(2 pt 2), 1105-1112.
Raup, B., S. J. S. Khalsa, C. Helm, and R. Armstrong (2007), The GLIMS glacier database; successes and challenges, paper presented at Earth: Our Changing Planet. Proceedings of IUGG XXIV general assembly, Perugia, ITA, Italy, July 2-13, 2007, , IUGG, [location varies], International (III).
Rauschkolb, J. W. and E. G. Frost (2004), Using satellite imagery to detect hydrocarbons in California and Azerbaijan, *Abstracts - AAPG Meeting, Pacific Section, SEPM & SEG, 2004*, @unpaginated.
Ravibabu, M., K. Jain, S. Singh, and N. Meeniga (2010), Accuracy improvement of ASTER stereo satellite generated DEM using texture filter, *Diqiu Kongjian Xinxi Kexue Xuebao/ Geo-Spatial Information Science Quarterly, 13*(4), 257-262, doi:10.1007/s11806-010-0376-9.
Ray, D. K., U. S. Nair, R. M. Welch, and T. A. Berendes (2001), Satellite Remote Sensing of Surface Moisture Over South West Australia,.
Ray, D. K., U. S. Nair, R. M. Welch, and R. O. Lawton (2002), Impact of Deforestation on Cloud Properties and Rainfall Over the Costa Rica-Nicaraguan region, *21*, 0724.
Ray, D. K., U. S. Nair, R. M. Welch, Qingyuan Han, Jian Zeng, Wenying Su, T. Kikuchi, and T. J. Lyons (2003), Effects of land use in southwest Australia. 1. Observations of cumulus cloudiness and energy fluxes, *Journal of Geophysical Research, 108*(D14), 5-1.
RAY, D. K., U. S. NAIR, R. M. Welch, and W. SU (2001), Influence of land use change on cumulus cloud formation and surface energy fluxes in southwest Australia,.
Ray, D. K., U. S. Nair, R. M. Welch, W. Su, and T. Kikuchi (2002), Climatic Influence of Land Use Change in Southwestern Australia, *41*, 08. 383

Ray, D. K., U. S. Nair, R. M. Welch, W. Su, and T. Kikuchi (2002), Influence of land use on the regional climate of southwest Australia; AMS Symposium on Global Change and Climate Variations.
Ray, D. K., U. S. Nair, R. M. Welch, and W. Su (2001), Impact of land use on Southwest Australian regional climate, paper presented at 2001 International Geoscience and Remote Sensing Symposium (IGARSS 2001), Jul 9-13 2001, , Institute of Electrical and Electronics Engineers Inc.
Ray, P. K. C., I. Parvaiz, R. Jayangondaperumal, V. C. Thakur, V. K. Dadhwal, and F. A. Bhat (2009), Analysis of seismicity-induced landslides due to the 8 October 2005 earthquake in Kashmir Himalaya, *Curr. Sci., 97*(12), 1742-1755.
Realmuto, V. J. (1997), The potential use of Earth Observing System data to monitor volcanic sulfur dioxide emissions from space; AGU 1997 fall meeting [modified], *EOS Trans. Am. Geophys. Union, 78*(46), 798-799.

Realmuto, V. J. (2000), The potential use of Earth Observing System data to monitor the passive emission of sulfur dioxide from volcanoes; Remote sensing of active volcanism, *Geophysical Monograph, 116*, 101-115.
Realmuto, V. J. (2005), Monitoring Volcanic Plumes and Clouds with the NASA Earth Observing System, *21*, 0663.
Realmuto, V. J. (2006), Multi-sensor Mapping of Volcanic Plumes and Clouds, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.), Abstract V43E-06.
Realmuto, V. J. and A. Eldering (2004), A Multisensor Approach to the Remote Sensing of Volcanic Emissions, *EOS, Transactions, American Geophysical Union, 85*(no. 47, Suppl.), Abstract V32A-03. 384

Realmuto, V. J., A. J. Sutton, and T. Elias (1997), Multispectral thermal infrared mapping of sulfur dioxide plumes: a case study from the East Rift Zone of Kilauea Volcano, Hawaii, *Journal of Geophysical Research, 102*(B7), 15057-72.
Realmuto, V. J. (2001), An overview of volcanological applications of remote sensing; Geological Society of America, 2001 annual meeting, *Abstracts with Programs - Geological Society of America, 33*(6), 348.
Realmuto, V. J., S. J. Hook, and J. Vandenbosch (1995), The 1994 TIMS airborne calibration experiment: Castaic Lake, California, paper presented at its Summaries of the Fifth Annual JPL Airborne Earth Science Workshop. Volume 2: TIMS Workshop p 29-32 (SEE N95-33789 12-42), .
Reath, K. A., M. S. Ramsey, and D. M. Tratt (2011), Application of high-resolution thermal infrared sensors for geothermal exploration at the Salton Sea, California, *Abstracts with Programs - Geological Society of America, 43*(1), 155, doi:http://gsa.confex.com/gsa/2011NE/finalprogram/abstract_185321.htm.
Rebelo, L. (2010), Eco-hydrological characterization of inland Wetlands in Africa using L-band SAR, *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 3*(4), 554-559.
Redpath, T., S. Fitzsimons, P. Sirguey, and A. Kaeaeb (2010), Utilising optical satellite imagery to derive multi-temporal flow fields for the Tasman Glacier, paper presented at SIRG 2010; Snow and Ice Group (NZ) annual workshop; programme and abstract book, , Snow and Ice Research Group, New Zealand (NZL).
Rees, W. G. (2012), Assessment of ASTER global digital elevation model data for Arctic research, *Polar Rec., 48*(244), 31-39, doi:http://dx.doi.org/10.1017/S0032247411000325.
Reiche, M., R. Funk, Z. Zhang, C. Hoffmann, J. Reiche, M. Wehrhan, Y. Li, and M. Sommer (2012), Application of satellite remote sensing for mapping wind erosion risk and dust 385

emission-deposition in Inner Mongolia grassland, China, *Grassl. Sci., 58*(1), 8-19, doi:http://dx.doi.org/10.1111/j.1744-697X.2011.00235.x.
Reif, D., B. Grasemann, and R. H. Faber (2011), Quantitative structural analysis using remote sensing data; Kurdistan, northeast Iraq, *AAPG Bull., 95*(6), 941-956, doi:10.1306/11151010112.
Rein, B. and C. Passchier (2004), Giant's footprint, *Int. J. Remote Sens., 25*(12), 2243-2244, doi:10.1080/0143116031000082406.
Reinhackel, G., B. Zhukov, D. Oertel, A. Muller, and P. Strobl (1998), Unmixing of simulated ASTER data with applications for the assessment of mining impacts in Central Germany, paper presented at Imaging Spectrometry IV, Jul 20-21 1998, , The International Society for Optical Engineering.
Reiss, D. and A. P. Rossi (2011), Seasonal dust devil track observations on Earth and Mars; relationships to atmospheric dust opacity, *LPI Contribution, 1608*, @Abstract 2186-@Abstract 2186.
Reithmaier, M., M. Gockede, T. Markkanen, A. Knohl, G. Churkina, C. Rebmann, N. Buchmann, and T. Foken (2006), Use of remotely sensed land use classification for a better evaluation of micrometeorological flux measurement sites, *Theoretical and Applied Climatology, 84*(4), 219-33.
Ren, D. (2003), Wavelet-based Fusion Of Panchromatic ETM+ And Multispectral ASTER Images Covering The Neoproterozoic Allaqi-Heiani Suture,Southeastern Egypt, *42*, 0302.
Ren, D. and M. G. Abdelsalam (2004), Geological Features Extraction and Fusion Using Wavelet Transform of ASTER Images: Examples from the Neoproterozoic Allaqi-Heiani Suture, Southeastern Egypt, *EOS, Transactions, American Geophysical Union, 85*(47, Suppl.), Abstract G51B-0091. 386

Ren, D. W. and M. G. Abdelsalam (2006), Tracing along-strike structural continuity in the Neoproterozoic Allaqi-Heiani Suture, southern Egypt using principal component analysis (PCA), fast Fourier transform (FFT), and redundant wavelet transform (RWT) of ASTER data, *J. Afr. Earth Sci., 44*(2), 181-195.
Ren, D. (2005), ASTER digital image processing for geological mapping: Examples from Neoproterozoic Allaqi-Heiani Suture, Egypt, *DAI, 67*(06B), 267-3020.
Ren, D. and M. Abdelsalam (2004), Wavelet-based remote sensing data fusion, *Annual Meeting Expanded Abstracts - American Association of Petroleum Geologists, 13*, 117.
Ren, D. and M. G. Abdelsalam (2001), Optimum Index Factor (OIF) for ASTER data; examples from the Neoproterozoic Allaqi Suture, Egypt; Geological Society of America, 2001 annual meeting, *Abstracts with Programs - Geological Society of America, 33*(6), 289-290.
Ren, D. and M. G. Abdelsalam (2003), ASTER band-ratio images for geological mapping in arid regions; the Neoproterozoic Allaqi-Heiani Suture, southern Egypt; Geological Society of America, South-Central Section, 37th annual meeting; Geological Society of America, Southeastern Section, 52nd annual meeting, *Abstracts with Programs - Geological Society of America, 35*(1), 66.
Ren, D. and M. G. Abdelsalam (2005), Tracing along-strike structural continuity in the Neoproterozoic Allaqi-Heiani Suture, southern Egypt using principal component analysis (PCA), fast Fourier transform (FFT), and redundant wavelet transform (RWT) of ASTER data; Geological Society of America, South-Central Section, 39th annual meeting, *Abstracts with Programs - Geological Society of America, 37*(3), 5.
Ren, D., M. G. Abdelsalam, and R. J. Stern (2004), Complex structural information extraction by applying synergistic processing techniques to ASTER images; principal component analysis (PCA), fast Fourier transform (FFT), and redundant wavelet transform (RWT); with examples from the Neoproterozoic Allaqi Suture, southeastern Egypt; Geological Society of America, 2004 annual meeting, *Abstracts with Programs - Geological Society of America, 36*(5), 385. 387

Reuter, H. I., A. Neison, P. Strobl, W. Mehl, and A. Jarvis (2009), A first assessment of Aster GDEM tiles for absolute accuracy, relative accuracy and terrain parameters, paper presented at Geoscience and Remote Sensing Symposium,2009 IEEE International,IGARSS 2009, , IEEE, Cape Town, South Africa.
Reznichenko, N. V., T. R. H. Davies, and D. J. Alexander (2011), Effects of rock avalanches on glacier behaviour and moraine formation, *Geomorphology, 132*(3-4), 327-338, doi:http://dx.doi.org/10.1016/j.geomorph.2011.05.019.
Ribeiro, O. L., C. L. da Silva, M. E. Silva, and N. Morales (2008), Tectonica e paleogeografia do Rio Solimoes na regiao de Coari (AM). Tectonics and paleogeography of the Solimoes River in the Coari area, Amazonas, paper presented at Sociedade Brasileira de Geologia; 44 degrees congresso, Curitiba, BRA, Brazil, Oct. 26-31, 2008, , Sociedade Brasileira de Geologia, Porto Alegre, Brazil (BRA).
Richter, R. (2000), Bandpass-resampling effects on the retrieval of radiance and surface reflectance, *Appl. Opt., 39*(27), 5001-5005.
Richter, R. and C. Coll (2002), Bandpass-resampling effects for the retrieval of surface emissivity, *Appl. Opt., 41*(18), 3523-3529.
Richter, R., A. Muller, M. Habermeyer, S. Dech, K. Segl, and H. Kaufmann (2005), Spectral and radiometric requirements for the airborne thermal imaging spectrometer ARES, *Int. J. Remote Sens., 26*(15), 3149-3162, doi:10.1080/01431160500127658.
Ritchie, J., T. Schmugge, F. Jacob, and A. Rango (2003), Ground/master/aster spectral reflectance measurements of northern chihuahuan desert vegetation, 1573.
Ritchie, J. C., T. J. Schmugge, A. Hsu, and A. Rango (2007), Comparison of ASTER, MASTER, and ground-based hyperspectral reflectance measurements, paper presented at IAHS Symposium on Remote Sensing for Environmental Monitoring and Change Detection - 24th General Assembly of the International Union of Geodesy and Geophysics (IUGG), , IAHS Press. 388

Ritter, M. and T. Diehl (2007), High resolution satellite images and differential GPS in geomorphological and geoarchaeological research on Boni Island (Fourth Nile Cataract, north Sudan), *Africa Praehistorica, 21*, 92-95.
Rivard, B., P. J. Thomas, and J. Giroux (1995), Precise emissivity of rock samples, *Remote Sens. Environ., 54*(2), 152-160.

Rivera, A., T. Benham, G. Casassa, J. Bamber, and J. A. Dowdeswell (2007), Ice elevation and areal changes of glaciers from the Northern Patagonia Icefield, Chile, *Global Planet. Change, 59*(1-4), 126-137, doi:10.1016/j.gloplacha.2006.11.037.
Rivera, A., C. Bunster, M. Sharp, R. Zamora, G. Neira, J. Wendt, A. Wendt, L. Araya, D. Ulloa, M. Rodriguez, C. Acuna, G. Casassa, F. Ordenes, and F. Bown (2006), Exploracioe identificacion del lago subglacial Ellsworth, Antartica 2006. Exploration and identification of Ellsworth subglacial lake, Antarctica 2006, paper presented at II simposio latinoamericano de investigaciones antarticas; VI reunion chilena de investigacion antartica, Concepcion, Chile, Aug. 16-18, 2006, , [varies], [varies], International (III).
Rivera, A., G. Casassa, J. Bamber, and A. Kaeaeb (2005), Ice-elevation changes of Glaciar Chico, southern Patagonia, using ASTER DEMs, aerial photographs and GPS data, *J. Glaciol., 51*(172), 105-112.
Rivera, M., R. Monge, and P. Navarro (2005), Nuevos datos sobre el volcanismo Cenozoico (Grupo Calipuy) en el norte del Peru; departamentos de La Libertad y Ancash. New data on northern Peru Cenozoic volcanism (Calipuy Group); La Libertad and Ancash districts, *Sociedad Geologica del Peru. Boletin, 99*, 7-21.
Rivero, R. G., S. Grunwald, M. W. Binford, and T. Z. Osborne (2009), Integrating spectral indices into prediction models of soil phosphorus in a subtropical wetland, *Remote Sens. Environ., 113*(11), 2389-2402. 389

Rivero, R. G., S. Grunwald, and G. L. Bruland (2007), Incorporation of spectral data into multivariate geostatistical models to map soil phosphorus variability in a Florida wetland, *Geoderma, 140*(4), 428-443.
Rivero, R. G. (2006), Development of predictive models of soil phosphorus in Water Conservation Area-2A (Everglades), integrating remote sensing, GIS and geostatistics, *DAI, 68*(12B), 181-7737.
Rizvi, S. A., M. Latif, and S. Ahmad (2012), Mapping spatial disparity of canal water distribution under irrigated cropping environment using satellite imageries, *Int. J. Environ. Sci. Technol., 9*(3), 441-452, doi:10.1007/s13762-012-0059-1.
Roa Lobo, J. G. (2007), Identifying landslide hazards in a tropical mountain environment, using geomorphologic and probabilistic approaches, *DAI, 69*(02A), 182-709.
Roberts, J. W., J. A. N. van Aardt, and F. B. Ahmed (2011), Image fusion for enhanced forest structural assessment, *Int. J. Remote Sens., 32*(1), 243-266.
Roberts, J. W., J. Van Aardt, and F. Ahmed (2008), Assessment of image fusion procedures using entropy, image quality, and multispectral classification, *Journal of Applied Remote Sensing, 2*(1), 023522.
Robinson, A. C., A. Yin, C. E. Manning, T. M. Harrison, S. Zhang, and X. Wang (2007), Cenozoic evolution of the eastern Pamir: Implications for strain-accommodation mechanisms at the western end of the Himalayan-Tibetan orogen, *Bull. Geol. Soc. Am., 119*(7), 882-896, doi:10.1130/B25981.1.
Robinson, A. C. (2009), Evidence against Quaternary slip on the northern Karakorum Fault suggests kinematic reorganization at the western end of the Himalayan-Tibetan orogen, *Earth Planet. Sci. Lett., 286*(1-2), 158-170. 390

Robinson, C. A., A. Buynevich, F. El-Baz, and A. Shaban (2005), Integrative remote sensing techniques to detect coastal fresh-water seeps; Geological Society of America, 2005 annual meeting, *Abstracts with Programs - Geological Society of America, 37*(7), 106-107.
Robson, L. T., M. J. Roach, R. F. Berry, and Latrobe University, Earth Sciences Department, Bundoora, Victoria,Australia (AUS) (2004), Lithological mapping in a vegetated environment using ASTER & geophysical data; VUEESC; Victorian universities earth & environmental sciences conference, *Abstracts - Geological Society of Australia, 75*, 40.
Rocchini, D. (2007), Effects of spatial and spectral resolution in estimating ecosystem alpha -diversity by satellite imagery, *Remote Sens. Environ., 111*(4), 423-434.
Rocha, P. G., D. L. Saldanha, E. F. Lima, and C. A. Sommer (2008), A utilizacao de imagens ASTER no mapeamento de diques rioliticos na regiao de Pinheiro Machado, SE do RS. ASTER imagery to map rhyolitic dikes around Pinheiro Machado, SE Rio Grande do Sul, paper presented at Sociedade Brasileira de Geologia; 44 degrees congresso, Curitiba, BRA, Brazil, Oct. 26-31, 2008, , Sociedade Brasileira de Geologia, Porto Alegre, Brazil (BRA).

Rockwell, B. W. and A. H. Hofstra (2008), Identification of quartz and carbonate minerals across northern Nevada using ASTER thermal infrared emissivity data - Implications for geologic mapping and mineral resource investigations in well-studied and frontier areas, *Geosphere, 4*(1), 218-246.
Rockwell, B. W. (2009), Comparison of ASTER- and AVIRIS-derived mineral and vegetation maps of the White Horse replacement alunite deposit and surrounding area, Marysvale volcanic field, Utah, *Scientific Investigations Report, 2009-5117*, 1-31.
Rockwell, B. W. (2010), Evaluation of detailed and automated methodologies for hydrothermal alteration mapping from space; application to geoenvironmental and mineral resource assessments at the scale of watersheds and permissive tracts, *Abstracts with Programs - Geological Society of America, 42*(5), 214. 391

Rockwell, B. W. (2010), Mineral and vegetation maps of the Bodie Hills, Sweetwater Mountains, and Wassuk Range, California/Nevada, generated from ASTER satellite data, *U.S. Geological Survey Scientific Investigations Map, 3104*, 5 p., 4 sheets.
Rockwell, B. W. and A. H. Hofstra (2009), Mapping argillic and advanced argillic alteration in volcanic rocks, quartzites, and quartz arenites in the western Richfield 1 degrees X 2 degrees quadrangle, southwestern Utah, using ASTER satellite data, *Abstracts with Programs - Geological Society of America, 41*(6), 39.
Rockwell, B. W. and A. H. Hofstra (2009), Remote detection of argillic alteration in quartzites and quartz arenites above and distal to porphyry Cu and Mo deposits; implications for assessments of concealed deposits, *Abstracts with Programs - Geological Society of America, 41*(6), 6.
Rodrigues, M., A. M. Caballero, R. R. Ribeiro, L. P. Beghelli Junior, F. S. F. Coelho, D. H. d. N. Perin, V. M. Ferreira, and J. Bogossian (2008), O uso integrado de produtos de sensores remotos de media e alto resolucao espacial aplicados ao mapeamento geologico de detalhe na regiao nordeste do estado de Goias. Use of integrated medium- and high-resolution remote sensing spatial data, detailed geologic mapping of northeastern Goias, paper presented at Sociedade Brasileira de Geologia; 44 degrees congresso, Curitiba, BRA, Brazil, Oct. 26-31, 2008, , Sociedade Brasileira de Geologia.
Rodriguez, J. A. P., K. L. Tanaka, A. Yamamoto, D. C. Berman, J. R. Zimbelman, J. S. Kargel, S. Sasaki, J. Yan, and H. Miyamoto (2010), The sedimentology and dynamics of crater-affiliated wind streaks in western Arabia Terra, Mars and Patagonia, Argentina, *Geomorphology, 121*(1-2), 30-54, doi:10.1016/j.geomorph.2009.07.020.
Roessner, S., H. U. Wetzel, H. Kaufmann, and A. Sarnagoev (2005), Potential of satellite remote sensing and GIS for landslide hazard assessment in southern kyrgyzstan (Central Asia), *Nat. Hazards, 35*(3), 395-416. 392

Roessner, S., H. U. Wetzel, H. Kaufmann, and A. (. Sarnagoev A.) (2006), Satellite remote sensing and GIS for analysis of mass movements with potential for dam formation, *Italian Journal of Engineering Geology and Environment (Testo Stampato), 2006, Special*, 103-114.
Rojas, E. H. M. (2005), Genetic Synthesis of Artificial Neural Networks ART2 in the Classification of Aster Images for Land Use and Land Cover Mapping in the North Area, Mato Groso State,.
Rojas, F., R. A. Schowengerdt, and S. F. Biggar (2002), Early results on the characterization of the Terra MODIS spatial response, *Remote Sens. Environ., 83*(1-2), 50-61.
Rojas, F. (2002), Modulation transfer function analysis of the moderate resolution imaging spectroradiometer (MODIS) on the TERRA satellite, *DAI, 63*(12B), 156-6015.
Rojas, F., R. A. Schowengerdt, and S. F. Biggar (2002), Validation of the on-orbit modulation transfer function for the moderate imaging spectroradiometer (MODIS-AM) using on-orbit calibration data and high contrast imagery, paper presented at 2002 IEEE International Geoscience and Remote Sensing Symposium (IGARSS 2002), Jun 24-28 2002, , Institute of Electrical and Electronics Engineers Inc.
Rokni, K., M. Marghany, M. Hashim, and S. Hazini (2011), Comparative statistical-based and color-related pan sharpening algorithms for ASTER and RADARSAT SAR satellite data, paper presented at IEEE International Conference on Computer Applications and Industrial Electronics(ICCAIE), 4-7 Dec. 2011, Penang, Malaysia, , IEEE.
Rokni, K., M. Marghany, M. Hashim, and S. Hazini (2011), Performance evaluation of global and absolute DEMs generated from ASTER stereo imagery, paper presented at 2011 4th IEEE International RF and Microwave Conference, RFM 2011, December 12, 2011 - December 14, 2011, Seremban, Malaysia, , IEEE Computer Society.
Rokugawa Shuichi, A. T. , Sato Isao, and T. H. (1999), System-Dynamical Considerations in the Efficiency of Data Processing on Remote Sensing . Modelling of Data Flow System for 393

ASTER Ground Data System. *Journal of Remote Sensing Society of Japan, 19,NO.3*, PAGE.247-264.
Rokugawa Shuichi, A. T. , Sato Isao, and T. H. (2001), System-Dynamical Considerations in the Efficiency of Data Processing on Remote Sensing . Dynamics of ASTER Ground Data System. *Journal of Remote Sensing Society of Japan, 21,NO.2*, PAGE.186-198.
Rokugawa Shuichi, A. T. , I. Sato, and H. Tsu (1994), System Dynamics of ASTER Data Flow in Ground Data System.
Rokugawa Shuichi, A. T. , I. Sato, and H. Tsu (1995), System-Dynamical Consideration in the Efficiency of ASTER Data Processing.
Rokugawa, S., T. Matsunaga, H. Tonooka, H. Tsu, Y. Kannari, and K. Okada (1999), Temperature and emissivity separation from ASTER on EOS AM-1 - preflight validation by ASTER airborne simulator, *Advances in Space Research, 23*(8), 1463-1469.
Rokugawa, S., T. Matsunaga, H. Tsu, and Y. Ishii (1994), Future potential of thermal infrared multispectral data for mapping temperature and emissivity parameters, *Advances in Space Research, 14*(3), 10; p. (3)71-(3)80.
Rokugawa, S., H. Tsu, and A. B. Kahle (1994), The advanced spaceborne thermal emission and reflection radiometer (ASTER) as a global earth observation system with high spatial resolution and extensive spectral coverage. *J Space Technol Sci, 10,NO.1*, PAGE.44-52.
Rokugawa, S. (1995), Derivation of Surface Temperature and Surface Emissivity from ASTER TIR Data. *Journal of Remote Sensing Society of Japan, 15,NO.2*, PAGE.125-130.
Rokugawa, S. and T. Ariyama (1993), Influence of Water Vapor Profiles on Atmospheric Correction for Thermal Infrared Sensor Data.
Rokugawa, S., T. Matsunaga, H. Tonooka, H. Tsu, and O. K. Kannari Yoshiaki (1996), Flight Experiment of ASTER Airborne Simulator in June, 1996. 394

Rokugawa, S., T. Matsunaga, H. Tsu, H. Tonooka, Y. Kannari, and K. Okada (1997), Flight experiment of ASTER airborne simulator for temperature and emissivity products, paper presented at Sensors, systems, and next-generation satellites; Proceedings of the Conference, London, United Kingdom; UNITED STATES; 22-25 Sept. 1997, , Society of Photo-Optical Instrumentation Engineers.
Rokugawa, S., I. Sato, Y. Yamaguchi, H. Watanabe, Y. Kannari, F. Mills, K. Okada, T. Ezaka, T. Narita, M. Sano, and S. Chang (1993), Estimation of land surface characteristics using an airborne ASTER simulator; IGARSS '93; better understanding of Earth environment [modified], paper presented at 13th Annual International Geoscience and Remote Sensing Symposium IGARSS'93, Tokyo, Japan, Aug. 18-21, 1993, , Institute of Electrical and Electronics Engineers, New York, NY, United States (USA).
Rokugawa, S., H. Tsu, H. Watanabe, K. Okada, Y. Kannari, S. Chang, and Environmental Research Institute of Michigan, Ann Arbor, MI,United States (USA) (1996), Development and preliminary evaluation of an airborne ASTER simulator (AAS); Proceedings of the Eleventh thematic conference on geologic remote sensing; practical solutions for real world problems, paper presented at Eleventh thematic conference on Applied geologic remote sensing, Las Vegas, NV, United States, Feb. 27-29, 1996, , Environmental Research Institute of Michigan, Ann Arbor, MI, United States (USA).
Rolim, S. B. A. 1. and R. N. 1. Vanacor (2008), Statistical landslide hazard mapping using remote sensing data and GIS: case study in northeastern region of Rio Grande do Sul State, Brazil, paper presented at 2007 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2007, , IEEE.
Rolim, S. B. A. and M. T. de Oliveira (2008), Characterization of industrial pollution in the Sinos River valley with geochemical and remote sensing techniques, *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 33*, 1307796. 395

Roman, M. O., C. B. Schaaf, J. Morisette, A. H. Strahler, J. C. Hodges, N. Phillips, S. Garrigues, J. E. Nickeson, B. Cook, D. Williamson, and B. McArthur (2006), Validating the MODerate Resolution Imaging Spectroradiometer (MODIS) Bidirectional Reflectance Distribution Function (BRDF)/Albedo, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
Rose, S. and M. Ramsey (2006), Determining subpixel thermal anomalies and heat flux of Cerro Negro Volcano, Nicaragua; a TIR deconvolution approach, *Abstracts - International Volcanological Congress, 4*, 109-109.
Rose, S. and M. Ramsey (2008), The Eruptive Behavior of Klyuchevskoy Volcano, Kamchatka, *EOS Transactions, American Geophysical Union, 89*(53, Suppl.), V43A-2141.

Rose, S. R. (2011), Thermal infrared remote sensing of active basaltic volcanoes: A thermal and spectral deconvolution approach, 229, doi:http://d-scholarship.pitt.edu/10218/.
Rose, S. and M. Ramsey (2009), The 2005 eruption of Kliuchevskoi volcano: Chronology and processes derived from ASTER spaceborne and field-based data, *J. Volcanol. Geotherm. Res., 184*(3-4), 367-380.
Rose, S., M. S. Ramsey, and I. M. Watson (2011), Analysis of basaltic lava flows at Cerro Negro Volcano, Nicaragua using spaceborne TIR data, *Abstracts with Programs - Geological Society of America, 43*(1), 154-155, doi:http://gsa.confex.com/gsa/2011NE/finalprogram/abstract_185249.htm.
Rose, W. I. (1993), Ground truth spectrometry and imagery of eruption clouds to maximize utility of satellite imagery; Topical Progress Report, *NASA-CR-194358;NAS 1.26:194358*, 1-41.
Rossetti, D. F., T. C. Bertani, H. Zani, E. H. Cremon, and E. H. Hayakawa (2012), Late Quaternary sedimentary dynamics in Western Amazonia: Implications for the origin of open 396

vegetation/forest contrasts, *Geomorphology, 177-178*, 74-92, doi:http://dx.doi.org/10.1016/j.geomorph.2012.07.015.
Rossetti, D. d. F. (2010), Multiple remote sensing techniques as a tool for reconstructing late Quaternary drainage in the Amazon lowland, *Earth Surf. Process. Landforms, 35*(10), 1234-1239, doi:10.1002/esp.1996.
Rossi, A. (2002), Possible dust devils tracks detected in Tenere' Desert (Nigeria) - An analogue to Mars, *LPI Contribution, 1109*, 1307.
Rossi, A. P. (2002), Seven Possible New Impact Structures in Western Africa Detected on ASTER Imagery, *LPI Contribution, 1109*.
Rossi, A. P. and L. Marinangeli (2004), The first terrestrial analogue to Martian dust devil tracks found in Tenere Desert, Niger, *Geophys. Res. Lett., 31*(6), 4, doi:10.1029/2004GL019428.
Roush, T. L. (2009), Estimated optical constants of magnesite (MgCO (sub 3)), *LPI Contribution, 1468*, 1080.
Roush, T. L., F. Esposito, G. R. Rossman, and L. Colangeli (2006), Gypsum optical constants in the visible and near-infrared; real and imagined; Lunar and planetary science, XXXVII; papers presented to the Thirty-seventh lunar and planetary science conference, *Abstracts of Papers Submitted to the Lunar and Planetary Science Conference, 37*.
Rousselin, T., N. Saporiti, R. Kourdian, G. Lerouge, and K. Guerin (2008), Use of service oriented architectures and geospatial intelligence methods with multisensors remote sensing data for the environmental monitoring of a petroleum area, *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 33*, Abstract 1344916.
ROVANI, R. and N. ABE (2006), "Topographic Correction Effect on Sugi (Cryptomeria japonica D. Don) Stand Volume Estimation using Multi Temporal Landsat TM and ASTER Satellite Images in Mountainous Tsugawa Region, Niigata Prefecture", *J For Plann, 12*(2), 49-58. 397

Rowan, L. C. and J. C. Mars (2001), Initial Lithologic Mapping Results Using Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) Data,.
Rowan, L. C. (1998), Analysis of simulated Advanced Spaceborne Thermal Emission and Reflection (ASTER) radiometer data of the Iron Hill, Colorado, study area for mapping lithologies, *Journal of Geophysical Research, Volume 103,*(no. D24), 32,291-32,306.
Rowan, L. C., S. J. Hook, M. J. Abrams, and J. C. Mars (2003), Mapping hydrothermally altered rocks at Cuprite, Nevada, using the advanced spaceborne thermal emission and reflection radiometer (Aster), a new satellite-imaging system, *Economic Geology, 98*(5), 1019-1027.
Rowan, L. C. and J. C. Mars (2001), Advances in lithologic mapping by using optical remote sensing measurements; Geological Society of America, 2001 annual meeting, *Abstracts with Programs - Geological Society of America, 33*(6), 347.
Rowan, L. C. and J. C. Mars (2003), Lithologic mapping in the Mountain Pass, California area using Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) data, *Remote Sens. Environ., 84*(3), 350-366.
Rowan, L. C., J. C. Mars, and C. J. Simpson (2005), Lithologic mapping of the Mordor, NT, Australia ultramafic complex by using the Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER), *Remote Sens. Environ., 99*(1-2), 105-126.
Rowan, L. C., R. G. Schmidt, and J. C. Mars (2006), Distribution of hydrothermally altered rocks in the Reko Diq, Pakistan mineralized area based on spectral analysis of ASTER data, *Remote Sens. Environ., 104*(1), 74-87.

Roy, C. (2009), Cartographie vegetale du col de la vallee de Sverdrup, ile d'Ellesmere, avex le NDVI MODIS et analyses des changements d'echelles/Vegetation mapping of the Sverdrup Valley pass using NDVI MODIS and analyzed with changing scales, 175. 398

Roy, P. (2007), Atmospheric smog modeling, using EOS satellite ASTER image sensor, with feature extraction for pattern recognition techniques and its correlation with in-situ ground sensor data, *MAI, 46*(04), 61-2015.
Roy, P., J. O. Brumfield, and A. Vaseashta (2007), Atmospheric smog modeling using ASTER absorption bands and its correlation with in-situ ground sensor data, paper presented at 2007 NSTI Nanotechnology Conference and Trade Show - NSTI Nanotech 2007, , Nano Science and Technology Institute, Cambridge, MA 02139, United States.
Roy, R. A. (2005), Satellite Validation: A Project to Create a Data-Logging System to Monitor Lake Tahoe, paper presented at Summer Student Research Presentations, .
Rutledge, A. M. and P. R. Christensen (2012), Infrared spectroscopy and geochemistry of cold weathering products in a terrestrial icy environment; implications for weathering on Mars, *LPI Contribution, 1659*, Abstract 2715, doi:http://www.lpi.usra.edu/meetings/lpsc2012/pdf/2715.pdf.
Ryan, R. (2003), High Spatial Resolution Thermal Satellite Technologies, 1-35.
Ryu, J., J. Won, and K. D. Min (2002), Waterline extraction from Landsat TM data in a tidal flat a case study in Gomso Bay, Korea, *Remote Sens. Environ., 83*(3), 442-456.
Saadat, H. (2009), A GIS and remote sensing protocol for the extraction and definition of interrill and rill erosion types/intensities over a large area of Iran, 158.
Saadat, H., R. Bonnell, F. Sharifi, G. Mehuys, M. Namdar, and S. Ale-Ebrahim (2008), Landform classification from a digital elevation model and satellite imagery, *Geomorphology, 100*(3-4), 453-464, doi:10.1016/j.geomorph.2008.01.011.
Saadat, S., M. H. Karimpour, K. Ajayebi, and C. R. Stern (2007), Petrology, fluid inclusion thermometry, and geochemistry of Tannurjeh porphyry Cu-Au, north eastern Iran, *Abstracts with Programs - Geological Society of America, 39*(6), 412. 399

Sabine, C. (1999), Remote sensing strategies for mineral exploration, in *Remote sensing for the earth sciences,* , vol. 3, edited by A. N. Rencz et al, United States (USA), John Wiley & Sons, New York, NY, United States (USA).
Sabol Jr., D. E., A. R. Gillespie, E. Abbott, and G. Yamada (2009), Field validation of the ASTER Temperature-Emissivity Separation algorithm, *Remote Sens. Environ., 113*(11), 2328-2344.
Saepuloh, A., M. Urai, C. Widiwijayanti, and N. Aisyah (2011), Observing 2006-2010 ground deformations of Merapi volcano (Indonesia) using ALOS/PALSAR and ASTER TIR data, paper presented at 2011 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2011, July 24, 2011 - July 29, 2011, , Institute of Electrical and Electronics Engineers Inc, Vancouver, BC, Canada.
Sahetapy-Engel, S. (2007), Ground-based thermal remote sensing of eruption dynamics at Santiaguito lava dome complex, Guatemala,.
Saito Hideki and N. I. (2005), Study on the extraction of defoliated stands of Japanese cedar (Cryptomeria Japonica) by using remote sensing technique.
Saito Kazuya, Numata Yoichi, Yamano Yoshiki, Maya Manabu, T. Y. , Y. Yasuoka, and M. Kato (1996), A Study of the Effective Vegetation Parameters for ASTER data.
Saito Motoya, Murakami Takuhiko, Ishitsuka Naoki, K. K. , Kato Masatane, K. T. , Tsukada Yasushi, Matano Yoneji, and I. K. (1998), The methodology development of the satellite soil map using ASTER data.
Saito, G. (2006), Determination for regional differences of agriculture using satellite data, paper presented at Agriculture and Hydrology Applications of Remote Sensing, Nov 15-17 2006, , International Society for Optical Engineering, Bellingham WA, WA 98227-0010, United States, Goa, India. 400

SAITO, G., M. HANAYAMA, K. OSAWA, and F. NAMIWA (2007), A System Development for Remote Sensing, and Interpretation for Rice Fields in the World Using Satellite Data, *Journal of Integrated Field Science*(4), 93-99, doi:http://jairo.nii.ac.jp/db/detail-en?sid=0085/00029253.
Saito, G., R. Iwasa, F. Namiwa, D. Kunii, K. Osawa, K. Imai, T. Sugihara, and N. Ogwa (2007), Studies for regional characteristics of upland farming using TERRA/ASTER data, paper presented at 28th Asian Conference on Remote Sensing 2007, ACRS 2007, November 12, 2007 - November 16, 2007, Kuala Lumpur, Malaysia, , Asian Association on Remote Sensing.

Saito, G., D. Kunii, I. Yatsu, K. Yabe, F. Namiwa, K. Imai, and T. Sugihara (2008), Understandings for regional characteristics of agriculture using Terra/ASTER data, paper presented at 29th Asian Conference on Remote Sensing 2008, ACRS 2008, November 10, 2008 - November 14, 2008, Colombo, Sri Lanka, , Asian Association on Remote Sensing.
Saito, G., C. Yonezawa, A. Kitamura, S. Ogawa, Y. Kosugi, and M. Kato (2011), Determination of paddy field in the world using TERRA/ASTER data, paper presented at 2011 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2011, July 24, 2011 - July 29, 2011, , Institute of Electrical and Electronics Engineers Inc, Vancouver, BC, Canada.
Saito, H., M. F. Bellan, A. Al-Habshi, M. Aizpuru, and F. Blasco (2003), Mangrove research and coastal ecosystem studies with SPOT-4 HRVIR and TERRA ASTER in the Arabian Gulf, *Int. J. Remote Sens., 24*(21), 4073-4092.
Saito, H., D. Nakayama, and H. Matsuyama (2009), Mountain slope partition focusing on a hierarchy of slope unit using digital elevation models, *Programme with Abstracts - International Geomorphology Conference, 7*, @Abstract no. 451.
Saito, H. (2006), Estimation and evaluation of drainage basins including landslide masses using data mining techniques and ASTER data, *Chikei = Transactions - Japanese Geomorphological Union, 27*(4), 504. 401

SAITO, H., D. NAKAYAMA, and H. MATSUYAMA (2006), Estimation and Evaluation of Drainage Basins Including Landslides Using Data Mining Techniques and ASTER Data, paper presented at Annual Meeting of the Association of Japanese Geographers, Spring 2006, , The Association of Japanese Geographers.
SAITO, H., D. NAKAYAMA, and H. MATSUYAMA (2006), Transferability of the Estimation Model for Basins with Landslides Using Data Mining Techniques, paper presented at Annual Meeting of the Association of Japanese Geographers, Autumn 2006, , Association of Japanese Geographers.
SAITO, H., D. NAKAYAMA, and H. MATSUYAMA (2007), Estimation and evaluation of drainage basins with landslides using decision tree technique and ASTER data, *Journal of the Japan Landslide Society, 44*(1), 1-14.
Sakamoto, K., D. Nakayama, and H. Matsuyama (2008), New topographic correction method of satellite image in the season of low solar elevation, paper presented at Japan Geoscience Union Meeting 2008, Tokyo, May 25-30, 2008, , Japan Geoscience Union.
SAKAMOTO, K., D. NAKAYAMA, and H. MATSUYAMA (2009), New Topographic Correction Method of Satellite Image in the Season of Low Solar Elevation, *Journal of Remote Sensing Society of Japan, 29*(3), 471-484, doi:https://www.jstage.jst.go.jp/article/rssj/29/3/29_3_471/_article.
Sakuma, F. (1999), Preflight cross-calibration activities at NRLM, *Advances in Space Research, 23*(8), 1435-1442.
Sakuma, F., B. C. Johnson, S. F. Biggar, J. J. Butler, J. W. Cooper, and M. S. K. Hiramatsu (1997), EOS AM-1 preflight radiometric measurement comparison using the Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) visible/near-infrared integrating sphere. *Bulletin of NRLM, 46,NO.2*, PAGE.114-126. 402

Sakuma, F., B. C. Johnson, S. F. Biggar, J. J. Butler, J. W. Cooper, M. Hiramatsu, and K. Suzuki (1996), EOS AM-1 preflight radiometric measurement comparison using the Advanced Spaceborne Thermal Emission and Reflection radiometer (ASTER) visible/near-infrared integrating sphere, paper presented at Earth observing system; Proceedings of the Conference, Denver, CO; UNITED STATES; 3-6 Aug. 1996, , Society of Photo-Optical Instrumentation Engineers.
Sakuma, F. and A. Ono (1993), Radiometric calibration of the EOS ASTER instrument, paper presented at New Developments and Applications in Optical Radiometry IV NEWRAD '92, 5-7 Oct. 1992, .
Sakuma, F. and A. Ono (1994), Radiometric Calibration of the EOS ASTER Instrument. *Bulletin of NRLM, 43,NO.2*, PAGE.125-135.
Sakuma, F., T. Sato, H. Inada, S. Akagi, and H. Ono (2006), Onboard calibration status of ASTER, paper presented at Sensors, Systems, and Next-Generation Satellites X, , SPIE - The International Society for Optical Engineering.
Sakuma, F. (2000), Caribration Technique for Radiometers Boarding on Earth Observing Satellites . *Journal of Remote Sensing Society of Japan, 20,NO.5*, PAGE.590-601.
Sakuma, F., M. Kikuchi, N. Ohgi, H. Inada, S. Akagi, and H. Ono (2011), Eleven years of ASTER onboard calibration, paper presented at Sensors, Systems, and Next-Generation Satellites XV, September 19, 2011 - September 22, 2011, , SPIE, Prague, Czech republic.

Sakuma, F., M. Kobayasi, and A. Ono (1994), Aster round-robin radiometers for the preflight cross-calibration of EOS AM-1 instruments, paper presented at Proceedings of the 1994 International Geoscience and Remote Sensing Symposium. Vol 4 (of 4), Aug 8-12 1994, , IEEE, Piscataway, NJ, USA. 403

Sakuma, F., A. Ono, and K. Arai (1995), Radiometric calibration techniques for ASTER, paper presented at Platforms and Systems, Sep 6 1994, , Society of Photo-Optical Instrumentation Engineers, Bellingham, WA, USA.
Sakuma, F., A. Ono, M. Kudoh, H. Inada, S. Akagi, and H. Ohmae (2002), Aster on-board calibration status, paper presented at Sensors, Systems, and Next-Generation Satellites VI, Sep 23-26 2002, , The International Society for Optical Engineering.
Sakuma, F., A. Ono, S. Tsuchida, N. Ohgi, H. Inada, S. Akagi, and H. Ono (2005), Onboard calibration of the ASTER instrument, *IEEE Trans. Geosci. Remote Sens., 43*(12), 2715-2723.
Sakuma, F., T. Sato, H. Inada, S. Akagi, and H. Ono (2006), On-board calibration status of ASTER, paper presented at Sensors, Systems, and Next-Generation Satellites X, Sep 11-13 2006, , International Society for Optical Engineering, Bellingham WA, WA 98227-0010, United States, Stockholm, Sweden.
Sakuma, F., T. Sato, H. Inada, S. Akagi, and H. Ono (2008), ASTER on-board calibration status, paper presented at Sensors, Systems, and Next-Generation Satellites XII, September 15, 2008 - September 18, , SPIE.
Sakuma, F., H. Tonooka, N. Ohgi, and H. Ono (2005), Prediction of the radiometric calibration coefficients of ASTER/TIR, paper presented at Sensors, Systems, and Next-Generation Satellites IX, Sep 20-22 2005, , International Society for Optical Engineering, Bellingham WA, WA 98227-0010, United States.
Sakuno Yuji and I. Y. (2002), Preliminary study for a method of long term wave data collection and GIS construction in Indonesian domestic sea using satellite data.
Sakuno Yuji, S. K. , Yamano Hiroya, and M. T. (2004), The feature of coral reef deciphered from ASTER image and the field survey result in Amami-Oshima Island, 2004.
Sakuno Yuji, T. K. , and T. Matsunaga (2005), Validation of ASTER water surface temperature algorithm using MODIS SST data. 404

Sakuno Yuji and Y. I. (2002), Preliminary study for the evaluation of land cover changes using topographical maps and ASTER data in the basin of Hiroshima Bay.
Sakuno, Y., Y. Masatomo, Y. Takeshi, T. Matsunaga, T. Kozu, T. Shimomai, and K. Takayasu (2004), Estimation of turbidity and chlorophyll-a concentration in Lakes Shinji and Nakaumi using multi-date ASTER data, *LAGUNA, 11*, 147-153, doi:http://jairo.nii.ac.jp/db/detail-en?sid=0015/00000549.
Sakuno, Y., Y. Masatomo, Y. Takeshi, T. Matsunaga, D. Nakyama, K. Takayasu, T. Kozu, and T. Shimomai (2003), Estimation of Water Temperature and Turbidity in Lake Shinji and Lake Nakaumi Using ASTER Data, 2000-2002, *LAGUNA, 10*, 65-72, doi:http://jairo.nii.ac.jp/db/detail-en?sid=0015/00000529.
Sakuno, Y. and T. Matsunaga (2002), Feasibility study for the estimation of primary production using ASTER TIR data in coastal environments.
Sakuno, Y., T. Matsunaga, T. Kozu, K. Takayasu, and T. Shimomai (2002), Monitoring primary production in brackish Lake Shinji using multi-date satellite data, paper presented at Twenty-Third International Symposium on Space Technology and Science; Matsue, Japan; May 23 - June 2, 2002, , Japan Society for Aeronautical and Space Sciences.
Sakuno, Y., T. Matsunaga, T. Kozu, and K. Takayasu (2002), Preliminary study of the monitoring for turbid coastal waters using a new satellite sensor, "ASTER", paper presented at Proceedings of the Twelfth (2002) International Offshore and Polar Engineering Conference, May 26-31 2002, , International Society of Offshore and Polar Engineers, Cupertino, CA 95015-0189, United States.
Sakuno, Y., T. Matsunaga, T. Kozu, K. Takayasu, T. Shimomai, and D. Nakayama (2002), Feasibility Study for the Estimation of Chlorophyll Concentration in Coastal Lagoon Environments Using Satellite Optical Sensor : Results of Sea Truth in Lake Shinji and Lake Nakaumi, 2001, *LAGUNA, 10*, 55-61, doi:http://jairo.nii.ac.jp/db/detail-en?sid=0015/00000517. 405

Salami, A. T., J. Akinyede, and A. de Gier (2010), A preliminary assessment of NigeriaSat-1 for sustainable mangrove forest monitoring, *International Journal of Applied Earth Observation and Geoinformation, 12*, S18-S22, doi:10.1016/j.jag.2009.09.015.

Salamonsen, E., G. Casale, and K. T. Paulson (2010), Tectonic control of large scale topography of the External Dinarides, *Abstracts with Programs - Geological Society of America, 42*(5), 317.
Salcher, B. and J. Champagnac (2010), The "stream power" of the Alpine rivers, *Geophysical Research Abstracts, 12*, EGU2010-14146-1.
Salisbury, J. W. and D. M. D'Aria (1992), Emissivity of terrestrial materials in the 8-14 μm atmospheric window, *Remote Sens. Environ., 42*(2), 83-106.
Salisbury, J. W., D. M. Daria, and F. F. Sabins (1993), Thermal Infrared Remote-Sensing of Crude-Oil Slicks, *Remote Sens. Environ., 45*(2), 225-231.
Salisbury, J. W. (1992), Temperature and emissivity separation, *Remote Sensing of Environment, 42*(2), 83-165.
Salisbury, J. W. and D. M. D'Aria (1992), Infrared (8-14 micron) remote sensing of soil particle size, *Remote Sens. Environ., 42*(2), 157-165.
Salomonson, V. V. (2000), Recent Results From The Nasa Earth Science Terra Mission and Future Possibilities, paper presented at Space 2000 Conference and Exhibition, .
Salomonson, V. V. (2000), Recent results from the NASA EOS program emphasizing the Terra mission and the outlook for future missions through 2003, paper presented at AIAA Space 2000 Conference and Exposition, Long Beach, CA; UNITED STATES; 19-21 Sept. 2000, .
Salvatore, M. R., J. F. Mustard, J. W. Head III, D. R. Marchant, M. B. Wyatt, and J. Seeley (2012), Linking orbital, field, and laboratory analyses of dolerites in the McMurdo dry valleys 406

of Antarctica; terrestrial studies and planetary applications, *LPI Contribution, 1659*, Abstract 1590, doi:http://www.lpi.usra.edu/meetings/lpsc2012/pdf/1590.pdf.
Salvini, R., S. Virdis, S. Riccucci, and L. Disperati (2008), Contribution of geological remote sensing to the analysis of geothermal sites, *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 33*, Abstract 1344976.
Samani, Z., M. Bleiweiss, T. Schmugge, and R. Skaggs (2006), Monitoring Water Use In The Rio Grande Valley Using Remotely Sensed Data, paper presented at AIP Conf. Proc. 852: Earth Observation for Vegetation Monitoring and Water Management, .
San, B. T. and M. L. Suzen (2005), Digital elevation model (DEM) generation and accuracy assessment from ASTER stereo data, *Int. J. Remote Sens., 26*(22), 5013-5027.
San, B. T. and M. L. Suzen (2005), ASTER verisinden uretilen sayisal yukseklik modelinin dogruluk degerlendirmesi--Accuracy assessment of digital elevation models produced from ASTER data, *Turkiye Jeoloji Kurultayi Bildiri Ozleri = Abstract of the Geological Congress of Turkey, 58*, 212.
SANFORD, T. J., D. M. MURPHY, D. S. THOMSON, and R. W. FOX (2008), Albedo Measurements and Optical Sizing of Single Aerosol Particles, *Aerosol science and technology, 42*, 958-969.
Sani, M., A. L. Ibrahim, T. T. Huey, and M. Z. A. Rahman (2010), Application of remote sensing and geographical information system (GIS) for reservoir water balance analysis, paper presented at 31st Asian Conference on Remote Sensing 2010, ACRS 2010, November 1, 2010 - November 5, 2012, Hanoi, Viet Nam, , Asian Association on Remote Sensing.
Sanjeevi, S. and A. S. Bhaskar (2008), Satellite-derived digital terrain and perspective models; an aid to teach geologic mapping, *Journal of the Geological Society of India, 71*(2), 214-222. 407

Santini, M., S. Grimaldi, F. Nardi, A. Petroselli, and M. C. Rulli (2009), Pre-processing algorithms and landslide modelling on remotely sensed DEMs, *Geomorphology, 113*(1-2), 110-125, doi:10.1016/j.geomorph.2009.03.023.
Santos, D. R. V., S. B. A. Rolim, A. Roisenberg, R. R. Salomoni, A. G. Preissler, and R. Fontana (2008), Caracterizacao espectral dos basaltos da porcao sudoeste da bacia do Parana e suas relacoes com elementos do grupo da platina (EGP). Spectral characterization of basalts from southwestern Parana Basin; relationships with platinum group elements (PGE), paper presented at Sociedade Brasileira de Geologia; 44 degrees congresso, Curitiba, BRA, Brazil, Oct. 26-31, 2008, , Sociedade Brasileira de Geologia, Porto Alegre, Brazil (BRA).
Santos, J. R., F. D. Maldonado, and P. M. L. A. Graca (2005), New change detection technique using ASTER and CBERS-2 images to monitor Amazon tropical forest, paper presented at 2005 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2005, Jul 25-29 2005, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Sanyal, J. and X. X. Lu (2005), Remote sensing and GIS-based flood vulnerability assessment of human settlements: A case study of Gangetic West Bengal, India, *Hydrol. Process., 19*(18), 3699-3716.

Saran, S., G. Sterk, P. Peters, and V. K. Dadhwal (2010), Evaluation of digital elevation models for delineation of hydrological response units in a Himalayan watershed, *Geocarto International, 25*(2), 105-122, doi:http://dx.doi.org/10.1080/10106040903051967.
Saran, S., G. Sterk, and S. Kumar (2009), Optimal land use/land cover classification using remote sensing imagery for hydrological modeling in a Himalayan watershed, *Journal of Applied Remote Sensing, 3*, 033551, doi:10.1117/1.3253618.
Sarikaya, M. A., M. P. Bishop, J. F. Shroder, and J. A. Olsenholler (2012), Space-based observations of Eastern Hindu Kush glaciers between 1976 and 2007, Afghanistan and Pakistan, *Remote Sens. Lett., 3*(1), 77-84, doi:10.1080/01431161.2010.536181. 408

Sarwar, A. and R. Bill (2007), Mapping evapotranspiration in the Indus basin using ASTER data, *Int. J. Remote Sens., 28*(22), 5037-5046.
Sasai, Y., M. Harada, J. P. Sabit, J. Zlotnicki, Y. Tanaka, J. M. Cordon Jr, S. Uyeda, T. Nagao, and J. S. Sincioco (2008), Geomagnetic and topographic survey of the Main Crater Lake in Taal Volcano (Philippines); preliminary report, *Chigaku Zasshi = Journal of Geography, 117*(5), 894-900.
Sasaki Takanori, Zhao Wenhui, and F. S. (2005), Estimation method for elevation at local area by satellite images.
SASAKI, T., W. ZHAO, and S. FUJITA (2006), Analysis of Detailed Geographical Features using Shadow of Satellite Images in the Case of Illegal dumping site on the Border between Aomori and Iwate Prefectures, *International Journal of the Society of Materials Engineering for Resources, 14*(1-2), 65-68, doi:http://dx.doi.org/10.5188/ijsmer.14.65.
Satirapod, C. and P. Homniam (2006), GPS precise point positioning software for ground control point establishment in remote sensing applications, *J. Surv. Eng., 132*(1), 11-14.
Satirapod, C., I. Trisirisatayawong, and P. Homniam (2003), Establishing Ground Control Points for High-Resolution Satellite Imagery Using GPS Precise Point Positioning, paper presented at 2003 IGARSS: Learning From Earth's Shapes and Colours, Jul 21-25 2003, , Institute of Electrical and Electronics Engineers Inc.
SATO, H. P., H. UNE, and M. TOBITA (2008), Relation between orientations of slope failures and surface displacement triggered by the 2005 northern Pakistan earthquake, *Journal of the Japan Landslide Society, 45*(2), 132-136, doi:10.3313/jls.45.132.
Sato, I., K. Fukue, and K. Arai (1996), Basic Concept and Development of ASTER Data Processing System. *Tokai Daigaku Kaihatsu Gijutsu Kenkyujo Kenkyu Hokokushu, 15(1994),NO.1*, PAGE.61-66. 409

Sato, I. (1996), Utilization of advanced remote sensing data; ASTER Project, *Chishitsu News, 1996*(3(499)), 32-38.
Sato, I., K. Fukue, and K. Arai (1995), Basic concept and development of ASTER data processing system, paper presented at Platforms and Systems, 28-29 Sept. 1994, , Society of Photo-Optical Instrumentation Engineers, Bellingham, WA, USA, Rome, Italy.
Sato, I., H. Watanabe, and H. Tsu (1999), Launch ready status of ASTER ground data system, paper presented at Sensors, systems, and next-generation satellites III; Proceedings of the Meeting, Florence, Italy; 20-23 Sept. 1999, , Society of Photo-Optical Instrumentation Engineers.
Satou, Y. and T. Ariyama (2001), Earth remote sensing Data Archive and Distribution System, *Fujitsu, 52*(3), 246-252.
Sauber, J., B. F. Molnia, S. Luthcke, D. Rowlands, D. Harding, C. Carabajal, J. M. Hurtado, and G. Spada (2004), Southern Alaska Glaciers: Spatial and Temporal Variations in Ice Volume, *EOS Trans. Am. Geophys. Union, 85*(47, Suppl.), 03.
Savage, S. H., T. E. Levy, and I. W. Jones (2012), Prospects and problems in the use of hyperspectral imagery for archaeological remote sensing: a case study from the Faynan copper mining district, Jordan, *J. Archaeol. Sci., 39*(2), 407-420, doi:http://dx.doi.org/10.1016/j.jas.2011.09.028.
Sawabe Yoriko, H. A. , T. Matsunaga, and S. Rokugawa (2002), Validation of ASTER TES algorithm using ASTER and MODIS data.
Sawabe Yoriko, R. S. , T. Matsunaga, and A. Hoyano (2003), Temperature and Emissivity Separation for Multi-band Radiometer and Validation ASTER TES Algorithm, *Journal of Remote Sensing Society of Japan, 23,NO.4*, PAGE.364-375. 410

Scambos, T. A., E. Berthier, and C. A. Shuman (2011), The triggering of subglacial lake drainage during rapid glacier drawdown: Crane Glacier, Antarctic Peninsula, *Ann. Glaciol., 52*(59), 74-82, doi:http://dx.doi.org/10.3189/172756411799096204.
Scambos, T., H. A. Fricker, C. Liu, J. Bohlander, J. Fastook, A. Sargent, R. Massom, and A. Wu (2009), Ice shelf disintegration by plate bending and hydro-fracture; satellite observations and model results of the 2008 Wilkins Ice Shelf break-ups, *Earth Planet. Sci. Lett., 280*(1-4), 51-60, doi:10.1016/j.epsl.2008.12.027.
Scardozzi, G. (2009), The contribution of high resolution satellite images to the production of base-maps and cartographies for archaeological research in Turkey and Iraq, paper presented at Remote Sensing for Environmental Monitoring, GIS Applications, and Geology IX, August 31, 2009 - September 3, , SPIE, Berlin, Germany.
Scharfen, G. (1995), MODIS Activities at the National Snow and Ice Data Center DAAC, paper presented at MODIS Snow and Ice Workshop, .
Scharfen, G. R., V. J. Troisi, and R. G. Barry (2004), Global Land Ice Measurements from Space; Final Report, 5-5.
Scharrer, K., C. Mayer, S. Martinis, U. Munzer, and A. Gudmundsson (2007), Ice dam fluctuations at the Marginal Lake GrAEnalon (Iceland) before and during a GLOF, paper presented at Envisat Symposium 2007, , European Space Agency, Noordwijk, 2200 AG, Netherlands, Montreux, Switzerland.
Schaub, D., N. French, C. Brooks, and R. Powell (2007), Using aster data to detect crop residue and to improve crop classification, paper presented at American Society for Photogrammetry and Remote Sensing, ASPRS Annual Conference 2007: Identifying Geospatial Solutions, May 7, 2007 - May 11, 2007, Tampa, FL, , American Society for Photogrammetry and Remote Sensing. 411

Scheidt, S., M. S. Ramsey, and N. Lancaster (2008), Thermal Remote Sensing of Sand Transport Systems, *LPI Contribution, 1403*, 62.
Scheidt, S. P., S. L. de Silva, J. R. Zimbelman, N. T. Bridges, and J. G. Viramonte (2011), The composition of Puna gravel ripple fields; a terrestrial analog from TIR remote-sensing and spectroscopy, *LPI Contribution, 1608*, @Abstract 2706-@Abstract 2706.
Scheidt, S. P., N. Lancaster, and M. Ramsey (2007), Integration of ASTER thermal infrared data and the Google Earth application to examine the relationship between sand transport pathways and dust emission hot-spots, *EOS, Transactions, American Geophysical Union, 41; 88*(52, Suppl. Volume 1-2), 0667.
Scheidt, S. P., N. Lancaster, and M. S. Ramsey (2010), Spatial patterns of sand composition in the Gran Desierto, MX determined from thermal infrared spectroscopy and ASTER remote sensing data, *Abstracts with Programs - Geological Society of America, 42*(5), 416.
Scheidt, S. P. (2009), Aeolian system dynamics derived from thermal infrared data, 291.
Scheidt, S., N. Lancaster, and M. Ramsey (2011), Eolian dynamics and sediment mixing in the Gran Desierto, Mexico, determined from thermal infrared spectroscopy and remote-sensing data, *Geological Society of America Bulletin, 123*(7-8), 1628-1644, doi:10.1130/B30338.1.
Scheidt, S., M. Ramsey, and N. Lancaster (2008), Radiometric normalization and image mosaic generation of ASTER thermal infrared data: An application to extensive sand sheets and dune fields, *Remote Sens. Environ., 112*(3), 920-933.
Scheidt, S., M. Ramsey, and N. Lancaster (2010), Determining soil moisture and sediment availability at White Sands Dune Field, New Mexico, from apparent thermal inertia data, *Journal of Geophysical Research-Earth Surface, 115*, F02019, doi:10.1029/2009JF001378.
Schenk, T., B. Csatho, and T. Yoon (2008), Mass balance of the Pacific Ocean sector of Antarctica from remotely sensed data, *Abstracts with Programs - Geological Society of America, 40*(2), 84. 412

Scherler, D., B. Bookhagen, and M. R. Strecker (2007), Surface Velocities of Himalayan Glaciers: Implications for Glacial Erosion Potential During Climatic Change, *EOS Transactions, American Geophysical Union, 88*(52,; Suppl. Volume 1-2).
Scherler, D., B. Bookhagen, and M. R. Strecker (2008), Role of the winter westerlies in shaping the western flank of the Tibetan Plateau; new insights from glacier-surface velocities, *Geophysical Research Abstracts, 10*, EGU2008-A-06870, doi:http://meetings.copernicus.org/www.cosis.net/abstracts/EGU2008/06870/EGU2008-A-06870.pdf.

Scherler, D., S. Leprince, and M. R. Strecker (2008), Glacier-surface velocities in alpine terrain from optical satellite imagery-Accuracy improvement and quality assessment, *Remote Sens. Environ., 112*(10), 3806-3819.
Schiek, C. G. and J. M. Hurtado (2005), Analysis of the 1995 and 2005 La Conchita, CA landslides using aerial photographs and ASTER satellite data, *EOS Trans. Am. Geophys. Union, 86*(52, Suppl.), @Abstract G11A-1179.
Schiek, C. G., J. M. Hurtado, A. A. Velasco, G. R. Keller, and V. Kreinovich (2004), Terrain Change Detection Using ASTER Optical Satellite Imagery Along the Kunlun fault, Tibet, *EOS, Transactions, American Geophysical Union, 85*(47, Suppl.), Abstract G51B-0078.
Schiek, C. G. and J. M. Hurtado (2006), Slip analysis of the Kokoxili earthquake using terrain-change detection and regional earthquake data, *Geosphere, 2*(3), 187-194, doi:10.1130/GES00033.1.
Schiek, C. G. (2004), Terrain change detection using ASTER optical satellite imagery along the Kunlun fault, Tibet, *MAI, 43*(04), 107-1225.
Schieldge, J. P. (1997), Use of the EOS/ASTER Spaceborne Instrument in the Remote Sensing of Land Surface Water and Energy Balances, Long Beach, CA. 413

Schildgen, T. F., K. V. Hodges, K. X. Whipple, M. Perignon, and T. M. Smith (2004), Normal faulting at the western margin of the Altiplano Plateau, southern Peru; AGU 2004 fall meeting, *EOS Trans. Am. Geophys. Union, 85*(47, Suppl.), @Abstract T31B-1305.
Schiller, S. (1997), JOVE; Final Report, *NASA/CR-97-206697; NAS 1.26:206697*, 59-59.
Schimanski, A., M. Tischler, T. Indreiten, S. Higgins, H. M. Bjornseth, and H. R. Groeger (2008), Integrating remote sensing and geological fieldwork in the Kufra Basin, southeast Libya, *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 33*, Abstract 1343219.
Schirrmeister, L., G. Grosse, V. V. Kunitsky, M. C. Fuchs, M. Krbetschek, Andreev, Andrei A (Andreyev,Andrey A), U. Herzschuh, O. Babyi, C. Siegert, H. Meyer, Derevyagin, Alexander Y (Derevyagin,Aleksander Y), and S. Wetterich (2010), The mystery of Bunge Land (New Siberian Archipelago); implications for its formation based on palaeoenvironmental records, geomorphology, and remote sensing, *Quaternary Science Reviews, 29*(25-26), 3598-3614, doi:http://dx.doi.org/10.1016/j.quascirev.2009.11.017.
Schloemer, S., C. Fischer, M. Teschner, and A. Hirner (2009), Gas and temperture measurements on Xingjian coal field fires, *Geophysical Research Abstracts, 11*, EGU2009-13837.
Schmid, T., M. Koch, and J. Gumuzzio (2004), Application of spectroscopial, hyperspectral and multispectral data to study wetlands in semi-arid environments (Central Spain), paper presented at IGARSS 2004. 2004 IEEE International Geoscience and Remote Sensing, 20-24 Sept. 2004, , IEEE.
Schmid, T., J. Gumuzzio, M. Koch, J. Solana, and P. Mather (2007), Characterising and monitoring semi-arid wetlands using multi-angle hyperspectral and multispectral data, paper presented at Envisat Symposium 2007, , European Space Agency, Noordwijk, 2200 AG, Netherlands, Montreux, Switzerland. 414

Schmid, T., M. Koch, M. DiBlasi, and M. Hagos (2008), Spatial and spectral analysis of soil surface properties for an archaeological area in Aksum, Ethiopia, applying high and medium resolution data, *Catena, 75*(1), 93-101, doi:10.1016/j.catena.2008.04.008.
Schmidt, M. (2004), Development of a web-based data and product delivery system for the CSIRO AVHRR Time Series (CATS), *CSIRO Earth Observation Centre Report*, [np].
Schmidt, S. and M. Nuesser (2009), Fluctuations of Raikot Glacier during the past 70 years: a case study from the Nanga Parbat massif, northern Pakistan, *J. Glaciol., 55*(194), 949-959.
Schmugge T and H. K. (1995), ASTER Observations for the Monitoring of Land Surface Fluxes. *Journal of Remote Sensing Society of Japan, 15,NO.2*, PAGE.175-181.
Schmugge, T., M. Abrams, A. Kahle, Y. Yamaguchi, and H. Fujisada (2003), The Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER), paper presented at Sensors, Systems, and Next-Generation Satellites VI, , SPIE-Int. Soc. Opt. Eng, Agia Pelagia, Crete, Greece.
Schmugge, T., M. Abrams, A. Kahle, Y. Yamaguchi, and H. Fujisada (2003), The Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER), paper presented at Optics in Atmospheric Propagation and Adaptive Systems V, 24-27 Sept. 2002, , SPIE-Int. Soc. Opt. Eng, Agia Pelagia, Greece.
Schmugge, T., M. Abrams, A. Kahle, Y. Yamaguchi, and H. Fujisada (2003), The Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER), paper presented at SAR Image Analysis, Modeling, and Techniques V, 23-24 Sept. 2002, , SPIE-Int. Soc. Opt. Eng, Agia Pelagia, Crete, Greece.

Schmugge, T., M. Abrams, A. Kahle, Y. Yamaguchi, and H. Fujisada (2003), The Advanced spaceborne thermal emission and reflection radiometer (ASTER), paper presented at Remote Sensing of the Ocean and Sea Ice 2002, 24 Sept. 2002, , SPIE-Int. Soc. Opt. Eng, Agia Pelagia, Crete, Greece. 415

Schmugge, T., M. Abrams, A. Kahle, Y. Yamaguchi, and H. Fujisada (2003), The Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER), SPIE-Int. Soc. Opt. Eng, Agia Pelagia, Greece.
Schmugge, T., M. Abrams, A. Kahle, Y. Yamaguchi, and H. Fujisada (2003), The Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER), paper presented at Remote Sensing of Clouds and the Atmosphere VII, 24-27 Sept. 2002, , SPIE-Int. Soc. Opt. Eng, Agia Pelagia, Crete, Greece.
Schmugge, T., M. Abrams, A. Kahle, Y. Yamaguchi, and H. Fujisada (2003), The Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER), paper presented at Image and Signal Processing for Remote Sensing VIII, 24-27 Sept. 2002, , SPIE-Int. Soc. Opt. Eng, Agia Pelagia, Crete, Greece.
Schmugge, T., A. French, J. Ritchie, and A. Rango (2000), Estimation of surface emissivity for arid lands, *IAHS-AISH Publication*(267), 168-174.
Schmugge, T., A. French, J. Ritchie, and A. Rango (2000), The use of multispectral TIR data for observing the spectral emissivity of arid lands, paper presented at IGARSS 2000. IEEE 2000 International Geoscience and Remote Sensing Symposium. Taking the Pulse of the Planet: The Role of Remote Sensing in Managing the Environment, 24-28 July 2000, , IEEE.
Schmugge, T. and K. Ogawa (2006), Land Surface Emissivity Observations in the 8 - 12 micrometer window from ASTER and MODIS Data,.
Schmugge, T. and K. Ogawa (2007), Land Surface Emissivity Observations in the 8 - 12 micrometer window from ASTER and MODIS Data, American Meteorological Society, San Antonio, TX.
Schmugge, T., K. Ogawa, and A. N. French (2005), Validation of the ASTER Temperature Emissivity Separation (TES) algorthim with field measurements, *23*, 01. 416

Schmugge, T., K. Ogawa, A. N. French, A. Hsu, J. C. Ritchie, and A. Rango (2003), ASTER Observations of Surface Temperature and Emissivity over New Mexico Test Sites, *21*, 01.
Schmugge, T., K. Ogawa, F. Jacob, A. French, and J. Ritchie (2003), Determination of the window emissivity with ASTER multi-spectral thermal infrared data, 1594.
Schmugge, T., K. Ogawa, F. Jacob, and A. N. French (2002), Quantitative Estimates of Land Surface Emissivity Using ASTER Data, *62*, 06.
Schmugge, T., K. Ogawa, and S. Rokugawa (2004), Determination of the Infrared Emissivity with Multi-spectral Thermal Infrared Data from Space, *11*, 01.
Schmugge, T. (1997), Application of the TES algorithm to TIMS data acquired in HAPEX-Sahel, paper presented at Proceedings of the 1997 IEEE International Geoscience and Remote Sensing Symposium, IGARSS'97. Part 3 (of 4), Aug 3-8 1997, , IEEE, Piscataway, NJ, USA.
Schmugge, T. (1997), ASTER observations for the monitoring of land surface fluxes, paper presented at Proceedings of the 1997 IEEE International Geoscience and Remote Sensing Symposium, IGARSS'97. Part 3 (of 4), Aug 3-8 1997, , IEEE, Piscataway, NJ, USA, Singapore, Singapore.
Schmugge, T. J. (1996), ASTER observations for the monitoring of land surface fluxes, paper presented at Infrared Spaceborne Remote Sensing IV, Aug 6-7 96, .
Schmugge, T. J., M. J. Abrams, A. B. Kahle, Y. Yamaguchi, and H. Fujisada (2003), Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER), paper presented at Remote Sensing for Agriculture, Ecosystems, and Hydrology IV. Edited by Owe, Manfred; D'Urso, Guido; Toulios, Leonidas. Proceedings of the SPIE, Volume 4879, pp. 1-12 (2003). , SPIE, Agia Pelagia, Greece.
Schmugge, T. J., W. P. Kustas, and K. S. Humes (1998), Monitoring land surface fluxes using ASTER observations, *IEEE Trans. Geosci. Remote Sens., 36*(5 pt 1), 1421-1430. 417

Schmugge, T., A. French, F. Jacob, K. Ogawa, J. Ritchie, M. Chopping, and A. Rango (2002), ASTER thermal infrared observations over New Mexico, paper presented at Remote Sensing for Agriculture Ecosystems, and Hydrology IV, Sep 22-25 2002, , The International Society for Optical Engineering.
Schmugge, T., A. French, and W. Kustas (1999), Estimating surface fluxes over the SGP site with remotely sensed data, paper presented at Proceedings of the 1999 IEEE International Geoscience and Remote Sensing Symposium (IGARSS'99) 'Remote Sensing of the Systems Earth - A Challenge for the 21st Century', Jun 28-Jul 2 1999, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ, USA.

Schmugge, T., A. French, and W. Kustas (2002), Evapotranspiration estimates using ASTER thermal infrared imagery, paper presented at Remote Sensing for Agriculture, Ecosystems, and Hydrology III, Sep 17-19 2001, , The International Society for Optical Engineering.
Schmugge, T., A. French, J. C. Ritchie, A. Rango, and H. Pelgrum (2002), Temperature and emissivity separation from multispectral thermal infrared observations, *Remote Sens. Environ., 79*(2-3), 189-198.
Schmugge, T., A. French, J. Ritchie, M. Chopping, and A. Rango (2001), ASTER observations of the spectral emissivity for arid lands, paper presented at 2001 International Geoscience and Remote Sensing Symposium (IGARSS 2001), Jul 9-13 2001, , Institute of Electrical and Electronics Engineers Inc.
Schmugge, T., A. French, J. Ritchie, M. Chopping, and A. Rango (2002), ASTER observations of the spectral emissivity over New Mexico, paper presented at Remote Sensing for Agriculture, Ecosystems, and Hydrology III, Sep 17-19 2001, , The International Society for Optical Engineering.
Schmugge, T., A. French, J. Ritchie, and A. Rango (2000), Use of multispectral TIR data for observing the spectral emissivity of arid lands, paper presented at 2000 Internaitonal 418

Geoscience and Remote Sensing Symposium (IGARSS 2000), Jul 24-Jul 28 2000, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ, USA.
Schmugge, T., F. Jacob, A. French, J. Ritchie, M. Chopping, and A. Rango (2002), ASTER thermal infrared observations over New Mexico, paper presented at 2002 IEEE International Geoscience and Remote Sensing Symposium (IGARSS 2002), Jun 24-28 2002, , Institute of Electrical and Electronics Engineers Inc.
Schmugge, T. and K. Ogawa (2006), Validation of emissivity estimates from ASTER and MODIS data, paper presented at 2006 IEEE International Geoscience and Remote Sensing Symposium, IGARSS, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Schmugge, T., K. Ogawa, and P. de Rosnay (2007), Satellite observations of the land surface emissivity in the 8-12 micrometer window; effect of soil moisture, paper presented at Earth: Our Changing Planet. Proceedings of IUGG XXIV general assembly, Perugia, ITA, Italy, July 2-13, 2007, , IUGG, [location varies], International (III).
Schmugge, T., K. Ogawa, F. Jacob, A. French, A. Hsu, and J. Ritchie (2003), Validation of Emissivity Estimates from ASTER Data, paper presented at 2003 IGARSS: Learning From Earth's Shapes and Colours, Jul 21-25 2003, , Institute of Electrical and Electronics Engineers Inc.
Schmullius, C. and S. Hese (2003), SIBERIA-II: Sensor Systems and Data Products for Greenhouse Gas Accounting, paper presented at 2003 IGARSS: Learning From Earth's Shapes and Colours, Jul 21-25 2003, , Institute of Electrical and Electronics Engineers Inc.
Schneevoigt, N. J., S. van der Linden, H. P. Thamm, and L. Schrott (2008), Detecting Alpine landforms from remotely sensed imagery. A pilot study in the Bavarian Alps, *Geomorphology, 93*(1-2), 104-119, doi:10.1016/j.geomorph.2006.12.034. 419

Schneevoigt, N. J. and L. Schrott (2006), Linking geomorphic systems theory and remote sensing; a conceptual approach to Alpine landform detection (Reintal, Bavarian Alps, Germany), *Geographica Helvetica, 61*(3), 181-190.
Schneider, D., H. D. Granados, C. Huggel, and A. Kaab (2008), Assessing lahars from ice-capped volcanoes using ASTER satellite data, the SRTM DTM and two different flow models: case study on Iztaccihuatl (Central Mexico), *Natural Hazards and Earth System Sciences, 8*(3), 559-571.
Schoenbohm, L., J. Chen, E. Sobel, R. Thiede, and M. Strecker (2006), Glacial erosion, deep exhumation and the development of high topography along the Kongur detachment, Pamir Mountains, Western China, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.), Abstract T13E-08.
Schottker, B., M. Over, M. Braun, G. Menz, and A. Siegmund (2004), Monitoring state-wide urban Development using multitemporal, multisensoral Satellite Data covering a 40 Year-Time Span in North Rhine-Westphalia (Germany), paper presented at Remote Sensing for Environmental Monitoring, GIS Applications, and Geology III, Sep 9-11 2003, , International Society for Optical Engineering, Bellingham, WA 98227-0010, United States.
Schramm, M., T. Landmann, M. Schmidt, and S. Dech (2008), Tree density detection using spectral unmixing without known target spectra, paper presented at IGARSS 2008 - 2008 IEEE International Geoscience and Remote Sensing Symposium, , IEEE.

Schramm, M., T. Landmann, P. Lohmann, and C. Heipke (2008), A New Model for a Spectral Mixture Analysis Without Accurate Endmember Spectra, *Photogrammetrie Fernerkundung Geoinformation*(5), 351-362.
Schroeder, W., I. Csiszar, E. Prins, C. Schmidt, A. Setzer, K. Longo, S. Freitas, J. Morisette, and J. Brunner (2007), A basin-wide assessment of the GOES and MODIS active fire products for the Brazilian Amazon, *EOS Transactions, American Geophysical Union, 88*(25 (2007 Joint Assembly; Suppl.)), A51A-03. 420

Schroeder, W., M. Ruminski, I. Csiszar, L. Giglio, E. Prins, C. Schmidt, and J. Morisette (2008), Validation analyses of an operational fire monitoring product: The Hazard Mapping System, *Int. J. Remote Sens., 29*(20), 6059-6066.
Schroeder, W., I. Csiszar, L. Giglio, E. Ellicott, C. C. Schmidt, J. P. Hoffman, and S. Lindstrom (2010), Early characterization of the active fire detection products derived from the next generation NPOESS/VIIRS and GOES-R/ABI instruments, paper presented at 2010 30th IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2010, July 25, 2010 - July 30, , Institute of Electrical and Electronics Engineers Inc, Honolulu, HI.
Schroeder, W., I. Csiszar, L. Giglio, and C. C. Schmidt (2010), On the use of fire radiative power, area, and temperature estimates to characterize biomass burning via moderate to coarse spatial resolution remote sensing data in the Brazilian Amazon, *Journal of Geophysical Research-Atmospheres, 115*, D21121, doi:10.1029/2009JD013769.
Schroeder, W., E. Prins, L. Giglio, I. Csiszar, C. Schmidt, J. Morisette, and D. Morton (2008), Validation of GOES and MODIS active fire detection products using ASTER and ETM+ data, *Remote Sens. Environ., 112*(5), 2711-2726.
Schulze-Makuch, D. (2001), Identification and characterization of regional ground-water flow systems using remote sensing and microbial methods; New approaches characterizing groundwater flow; proceedings, paper presented at XXXI International Association of Hydrogeologists congress, Munich, Federal Republic of Germany, Sept. 10-14, 2001, , A.A. Balkema, Lisse, Netherlands (NLD).
Schulze-Makuch, D., A. G. Fairen, J. M. Dohm, S. (. Clifford, J. (. Farmer, R. M. (. Haberle, H. E. (. Newsom, and T. (. Parker (2004), Strategy for detecting hydrothermal activity on Mars, *LPI Contribution, 1211*, @Abstract 8003.
Schuurmans, J. M., F. C. Van Geer, and M. F. P. Bierkens (2010), Remotely sensed latent heat fluxes for improving model predictions of soil moisture: A case study, paper presented at 421

Symposium Earth Observation and Water Cycle Science, , European Space Agency, Noordwijk, 2200 AG, Netherlands, Frascati, Italy.
Schuurmans, J. M., F. C. Van Geer, and M. F. P. Bierkens (2011), Remotely sensed latent heat fluxes for model error diagnosis: A case study, *Hydrology and Earth System Sciences, 15*(3), 759-769.
Scolese, C. J., S. P. Neeck, and F. Bordi (1995), EOS-AM1: current status, paper presented at Platforms and Systems, Sep 6 1994, , Society of Photo-Optical Instrumentation Engineers, Bellingham, WA, USA.
Seeber, C., H. Hartmann, X. Wei, and L. King (2010), Land use change and causes in the Xiangxi catchment, Three Gorges Area derived from multispectral data, *Journal of Earth Science, 21*(6), 846-855, doi:10.1007/s12583-010-0136-7.
Seemann, S. W., E. Borbas, R. O. Knuteson, H. Huang, and W. P. Menzel (2006), A global infrared land surface emissivity database.
Sefercik, U. G. (2012), Performance Estimation of Aster Global DEM Depending upon the Terrain Inclination, *Journal of the Indian Society of Remote Sensing, 40*(4), 565-576, doi:http://dx.doi.org/10.1007/s12524-012-0202-y.
Seguchi, M., M. Koriyama, and Y. Shin (2009), Measurement of LAI in the watershed using Terra-ASTER data, paper presented at American Society of Agricultural and Biological Engineers Annual International Meeting 2009, June 21, 2009 - June 24, , American Society of Agricultural and Biological Engineers, Reno, NV.
Seiler, R., J. Schmidt, O. Diallo, and E. Csaplovics (2009), Flood monitoring in a semi-arid environment using spatially high resolution radar and optical data, *J. Environ. Manage., 90*(7), 2121-2129, doi:10.1016/j.jenvman.2007.07.035.
Seiler, R., J. Schmidt, O. Diallo, and E. Csaplovics (2006), Flood monitoring in a semi-arid environment using spatially high resolution asar and optical data, paper presented at 1st 422

International Symposium on GlobWetland: Looking at Wetlands from Space, , European Space Agency, Noordwijk, 2200 AG, Netherlands, Frascati, Rome, Italy.
Seiz, G., M. Baltsavias, and A. Gruen (2005), High-resolution cloud motion analysis with Meteosat-6 rapid scans, MISR and ASTER, paper presented at The 2003 EUMETSAT Meteorological Satellite Conference, Weimar (Germany), 29 Sep-3 Oct 2003, , EUMETSAT.
Seiz, G., M. Baltsavias, and A. Gruen (2003), Satellite - and ground-based stereo analysis of clouds (Invited Presentation) (2003 - 12SATMET).
Seiz, G. and R. Davies (2006), Reconstruction of cloud geometry from multi-view satellite images, *Remote Sens. Environ., 100*(2), 143-149.
Seiz, G., R. Davies, and A. Grun (2006), Stereo cloud-top height retrieval with ASTER and MISR, *Int. J. Remote Sens., 27*(9), 1839-1853.
Sellers, P. and D. Schimel (1993), Remote sensing of the land biosphere and biogeochemistry in the EOS era: science priorities, methods and implementationAEOS land biosphere and biogeochemical cycles panels, *Global and Planetary Change, 7*(4), 279-297.
Semovski, S. V., N. Y. Mogilev, and P. Y. Pushistov (2003), Remote sensing of lake ice; Lake Baikal, spring phytoplankton bloom studies, *International Union of Geodesy and Geophysics General Assembly = Union Geodesique et Geophysique Internationale Comptes Rendus de la ...Assemblee Generale, 2003, Week 2*, B.19, doi:http://www.jamstec.go.jp/jamstec-e/iugg/htm/abstract/abst/jsg03/006322-1.html.
Sener, E., A. Davraz, and S. Sener (2010), Investigation of Aksehir and Eber Lakes (SW Turkey) Coastline Change with Multitemporal Satellite Images, *Water Resour. Manage., 24*(4), 727-745, doi:10.1007/s11269-009-9467-5.
Senna, J. and C. R. Souza Filho (2008), Spectro-mineralogical characterization of Brazilian agalmatolites using reflectance spectroscopy and ASTER imagery analysis, paper presented at 423

Sociedade Brasileira de Geologia; 44 degrees congresso, Curitiba, Brazil, Oct. 26-31, 2008, , Sociedade Brasileira de Geologia, Porto Alegre, Brazil (BRA).
Sentlinger, G. I., S. J. Hook, and B. Laval (2008), Sub-pixel water temperature estimation from thermal-infrared imagery using vectorized lake features, *Remote Sens. Environ., 112*(4), 1678-1688.
Seoane, J. C. S., N. A. Castro, L. S. Osako, and F. J. Baars (2009), Multispectral imagery applied to nickel laterite exploration; the Conceicao do Araguaia discovery, *Reviews in Economic Geology, 16*, 109-122.
Sepulcre-Canto, G., P. J. Zarco-Tejada, J. C. Jimenez-Munoz, J. A. Sobrino, M. A. Soriano, E. Fereres, V. Vega, and M. Pastor (2007), Monitoring yield and fruit quality parameters in open-canopy tree crops under water stress. Implications for ASTER, *Remote Sens. Environ., 107*, 455-470.
Sepulcre-Canto, G., P. J. Zarco-Tejada, J. A. Sobrino, J. A. J. Berni, J. C. Jimenez-Munoz, and J. P. Gastellu-Etchegorry (2009), Discriminating irrigated and rainfed olive orchards with thermal ASTER imagery and DART 3D simulation, *Agric. For. Meteorol., 149*(6-7), 962-975, doi:10.1016/j.agrformet.2008.12.001.
Sepulcre-Canto, G., P. J. Zarco-Tejada, J. A. Jimenez-Berni, A. J. Rodriguez, J. C. Jimenez-Munoz, J. A. Sobrino, and V. Cifuentes (2008), Detecting crop irrigation status in orchard canopies with airborne and ASTER thermal imagery, paper presented at 2007 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2007, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Serbin, G., C. S. T. Daughtry, E. R. Hunt Jr., D. J. Brown, and G. W. McCarty (2009), Effect of soil spectral properties on remote sensing of crop residue cover, *Soil Sci. Soc. Am. J., 73*(5), 1545-1558.
424

Serbin, G., C. S. T. Daughtry, E. R. Hunt Jr., J. B. Reeves III, and D. J. Brown (2009), Effects of soil composition and mineralogy on remote sensing of crop residue cover, *Remote Sens. Environ., 113*(1), 224-238.
Serbin, G., E. R. Hunt Jr., C. S. T. Daughtry, G. W. McCarty, and P. C. Doraiswamy (2009), An improved ASTER index for remote sensing of crop residue, *Remote Sensing, 1*(4), 971-991.
Sertel, E., N. Findik, S. Kaya, D. Z. Seker, and A. Samsunlu (2008), Assessment of landscape changes in the Kizilirmak Delta, Turkey, using remotely sensed data and GIS, *Environ. Eng. Sci., 25*(3), 353-361.
Seto, Y. (1993), Data and information system for earth environment observing, *Joho Shori, 34*(5), 515-20.

Seto, Y. (1993), The observation of Earth environment by satellite remote sensing, *Journal of the Institute of Electrical Engineers of Japan, 113*, 572-6.
Seto, Y., N. Tanaka, and S. Ishikawa (1994), Proposal for Inter-Telescope Image Registration Algorithms of Earth Environmental Monitoring Sensor ASTER .
Sgavetti, M., L. Pompilio, and S. Meli (2006), Reflectance spectroscopy (0.3-2.5 mu m) at various scales for bulk-rock identification, *Geosphere, 2*(3), 142-160, doi:10.1130/GES00039.1.
Shaban, A. (2008), Use of satellite images to identify marine pollution along the Lebanese coast, *Environmental Forensics, 9*(2-3), 205-214.
Shaban, A. (2009), Identifying ring geomorphic features in Lebanon using ASTER and Landsat 7 ETM+ images, *Int. J. Remote Sens., 30*(5), 1127-1140, doi:10.1080/01431160802395268.
Shaban, A., M. Hamze, F. El-Baz, and E. Ghoneim (2009), Characterization of an Oil Spill Along the Lebanese Coast by Satellite Images, *Environmental Forensics, 10*(1), 51-59, doi:10.1080/15275920802659735. 425

Shabana Tatsumaro and O. S. (2006), Identification at the Undersea Remains at Yonaguni Island with the Satellite Data.
Shafique, M., M. van der Meijde, N. Kerle, F. van der Meer, and M. A. Khan (2008), Predicting topographic aggravation of seismic ground shaking by applying geospatial tools, *Journal of Himalayan Earth Sciences, 41*, 33-43.
Shafique, M., D. Anggraeni, W. Bakker, and M. van der Meijde (2010), Modeling the impact of topography on seismic amplification at regional scale, *Geophysical Research Abstracts, 12*, EGU2010-8452-1.
Shafique, M., M. van der Meijde, N. Kerle, and F. van der Meer (2011), Impact of DEM source and resolution on topographic seismic amplification, *International Journal of Applied Earth Observation and Geoinformation, 13*(3), 420-427, doi:10.1016/j.jag.2010.09.005.
Shafique, M., M. van der Meijde, and D. G. Rossiter (2011), Geophysical and remote sensing-based approach to model regolith thickness in a data-sparse environment, *Catena, 87*(1), 11-19, doi:10.1016/j.catena.2011.04.004.
Shafique, M., M. van der Meijde, and S. Ullah (2011), Regolith modeling and its relation to earthquake induced building damage; a remote sensing approach, *Journal of Asian Earth Sciences, 42*(1-2), 65-75, doi:10.1016/j.jseaes.2011.04.004.
Shafique, M., M. van der Meijde, and van der Werff,Harald M A. (2012), Evaluation of remote sensing-based seismic site characterization using earthquake damage data, *Terra Nova, 24*(2), 123-129, doi:http://dx.doi.org/10.1111/j.1365-3121.2011.01045.x.
Shahgedanova, M., G. Nosenko, I. Bushueva, and M. Ivanov (2012), Changes in area and geodetic mass balance of small glaciers, Polar Urals, Russia, 1950-2008, *J. Glaciol., 58*(211), 953-964, doi:http://dx.doi.org/10.3189/2012JoG11J233.
Shahgedanova, M., G. Nosenko, T. Khromova, and A. Muraveyev (2010), Glacier shrinkage and climatic change in the Russian Altai from the mid-20th century: An assessment using 426

remote sensing and PRECIS regional climate model, *Journal of Geophysical Research-Atmospheres, 115*, D16107, doi:10.1029/2009JD012976.
Shahid, S. (2010), Spatial assessment of groundwater demand in Northwest Bangladesh, *International Journal of Water, 5*(3), 267-283.
Shakun, J. D., S. J. Burns, D. Fleitmann, J. Kramers, A. Matter, and A. Al-Subary (2007), A high-resolution, absolute-dated deglacial speleothem record of Indian Ocean climate from Socotra Island, Yemen, *Earth Planet. Sci. Lett., 259*(3-4), 442-456, doi:10.1016/j.epsl.2007.05.004.
Shangguang, D., S. Liu, Y. Ding, L. Ding, Y. Shen, S. Zhang, A. Lu, G. Li, D. Cai, and Y. Zhang (2005), Monitoring glacier changes and an inventory of glaciers in Muztag Ata-Kongur Tagh, eastern Pamirs, China, using ASTER data, *Journal of Glaciology and Geocryology, 27*(3), 344-351.
Shanmugam, S. and P. V. Abhishekh (2006), Spectral unmixing of hyperspectral data to map bauxite deposits, paper presented at Multispectral, Hyperspectral, and Ultraspectral Remote Sensing Technology, Techniques, and Applications, , International Society for Optical Engineering, Bellingham WA, WA 98227-0010, United States.
Sharma, B. D., J. Clevers, R. De Graaf, and N. R. Chapagaln (2004), Mapping Equus kiang (Tibetan wild ass) habitat in Surkhang, Upper Mustang, Nepal, *Mountain Research and Development, 24*(2), 149-156.

Sharov, A. I. and S. A. Osokin (2006), Controlled interferometric models of glacier changes in South Svalbard, paper presented at Fringe 2005 Workshop, Nov 28-Dec 2 2005, , European Space Agency, Noordwijk, 2200 AG, Netherlands.
Shayestehfar, M. R., H. Ranjbar, and O. Ahmadi (2005), Alteration mapping by using ETM+ and ASTER data in Dehaj area, southeast of Iran, paper presented at Remote Sensing for 427

Environmental Monitoring, GIS Applications, and Geology V; Bruges; Belgium; 19-20 Sept. 2005, .
Shen Qiang, E Dongchen, and Zhou Chunxia (2005), Automated DEM extraction using ASTER stereo data of the Grove Mountains in Antarctica, *Cehui Xinxi yu Gongcheng = Journal of Geomatics, 30*(3), 47-49.
Shen, G. and K. Sakai (2011), Mapping the montane landscape of Nikko area in Japan using ASTER images by integration of spectral and spatio-temporal information, paper presented at 2011 International Conference on Remote Sensing, Environment and Transportation Engineering, RSETE 2011, June 24, 2011 - June 26, 2011, , IEEE Computer Society, Nanjing, China.
Shen, Q. and E. Dongchen (2008), Atmospheric corrections of remote sensing images based on radiative transfer model, *Geomatics and Information Science of Wuhan University, 33*(1), 85-88.
Sheng, J., J. P. Wilson, and S. Lee (2009), Comparison of land surface temperature (LST) modeled with a spatially-distributed solar radiation model (SRAD) and remote sensing data, *Environmental Modelling and Software, 24*(3), 436-443.
Shi, J. (2001), Estimation of snow fraction using simulated ASTER image data, *IAHS-AISH Publication*(267), 120-122.
Shi, J. C. and D. O. Starr (1997), Investigation of Snow Properties Using MODIS and ASTER Data,.
Shi, J. (1999), Estimation of snow fraction using AVIRIS simulated ASTER image data, paper presented at Proceedings of the 1999 IEEE International Geoscience and Remote Sensing Symposium (IGARSS'99) 'Remote Sensing of the Systems Earth - A Challenge for the 21st Century', Jun 28-Jul 2 1999, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ, USA, Hamburg, Germany. 428

Shi, P., B. Fu, Y. Ninomiya, J. Sun, and Y. Li (2012), Multispectral remote sensing mapping for hydrocarbon seepage-induced lithologic anomalies in the Kuqa foreland basin, south Tian Shan, *J. Asian Earth Sci., 46*, 70-77, doi:http://dx.doi.org/10.1016/j.jseaes.2011.10.019.
Shi, Y., G. Yan, X. Mu, L. He, and X. Li (2004), A practical algorithm to inverse land surface component temperatures from ATSR-2 and ASTER data, paper presented at 2004 IEEE International Geoscience and Remote Sensing Symposium Proceedings: Science for Society: Exploring and Managing a Changing Planet. IGARSS 2004, Sep 20-24 2004, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Shimazaki Hiroto, M. T. , and M. Tamura (2005), A compatibility assessment of satellite optical sensors for monitoring wetland environments over a broad spatial scale.
Shimizu Yukiharu, H. M. , Kudo Masahiko, and O. H. (1996), The Development of ASTER VNIR (PFM).
Shimizu, Y., Y. Narimatsu, and M. Hiramatsu (1993), Design challenges of ASTER in visible and near-infrared spectral region (Advanced Spaceborne Thermal Emission and Reflection Radiometer), paper presented at Sensor systems for the early earth observing system platforms; Proceedings of the Conference, Orlando, FL; UNITED STATES; 13-14 Apr. 1993, , Bellingham.
Shimoda, H. (2005), Overview of Japanese Earth observation programs, paper presented at Sensors, Systems, and Next-Generation Satellites IX; Bruges; Belgium; 20-22 Sept. 2005, , International Society for Optical Engineering, Bruges, Belgium.
Shimoda, H. (2006), Overview of Japanese Earth observation programs, paper presented at Sensors, Systems, and Next-Generation Satellites X, Sep 11-13 2006, , International Society for Optical Engineering, Bellingham WA, WA 98227-0010, United States, Stockholm, Sweden. 429

Shimoda, H. (2007), Overview of Japanese Earth observation programs, paper presented at Sensors, Systems, and Next-Generation Satellites XI, , SPIE, Bellingham WA, WA 98227-0010, United States.
Shimoda, H. (2008), Overview of Japanese Earth Observation programs, paper presented at Sensors, Systems, and Next-Generation Satellites XII, September 15, 2008 - September 18, , SPIE.
Shimoda, H. (2009), Overview of Japanese Earth Observation programs, paper presented at Sensors, Systems, and Next-Generation Satellites XIII, August 31, 2009 - September 3, , SPIE.

Shimoda, H. (2010), Overview of Japanese Earth observation programs, paper presented at Sensors, Systems, and Next-Generation Satellites XIV, September 20, 2010 - September 23, , SPIE, Toulouse, France.
Shimoda, H. (2011), Overview of Japanese earth observation programs, paper presented at Sensors, Systems, and Next-Generation Satellites XV, September 19, 2011 - September 22, 2011, , SPIE, Prague, Czech republic.
SHIN, Y., M. SEGUCHI, and M. KORIYAMA (2009), Regional Estimation of LAI Based on Absorption and Dispersion Processes of Electromagnetic Wave in the Vegetation Canopy Using Satellite Data, *Transactions of The Japanese Society of Irrigation, Drainage and Rural Engineering, 77*(4), 369-376, doi:https://www.jstage.jst.go.jp/article/jsidre/77/4/77_4_369/_pdf.
Shin, Y., M. Seguchi, M. Koriyama, and A. Isnansetyo (2010), Estimation of LAI in the forested watershed using ASTER data based on Price's model in summer and winter, *European Journal of Forest Research, 129*(6), 1237-1245, doi:10.1007/s10342-010-0414-z. 430

Shinoda, T. and H. Tonooka (2006), A time series evaluation of ASTER surface emissivity products, paper presented at 27th Asian Conference on Remote Sensing, ACRS 2006, October 9, 2006 - October 13, 2006; Ulaanbaatar, Mongolia, , Asian Association on Remote Sensing.
Shoffner, J. D. and W. M. Calvin (2007), Mapping mineralization in the Monitor Pass mining district, *EOS Trans. Am. Geophys. Union, 88*(52, Suppl.), Abstract NS31A-0154.
Shoffner, J. D. and W. M. Calvin (2008), Mapping mineralization in the Monitor Pass mining district, *Abstracts with Programs - Geological Society of America, 40*(6), 116.
Shribak, M. and R. Oldenbourg (2004), Mapping polymer birefringence in three-dimensions using a polarizing microscope with oblique illumination, paper presented at Biophotonics Micro- and Nano-Imaging, Apr 28 2004, , International Society for Optical Engineering, Bellingham, WA 98227-0010, United States.
Shroder, J., M. Bishop, U. Haritashya, J. Olsenholler, H. Bulley, and J. Sartan (2006), Glacier Debris Cover Variation in the Hindu Kush and Karakoram Himalaya, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
Shroder, J. F., M. P. Bishop, U. K. Haritashya, H. N. Bulley, J. A. Olsenholler, and J. R. Mertes (2007), Space-Based Observations of Batura Glacier Fluctuations, Western Karakoram Himalaya, *EOS Transactions, American Geophysical Union, 88*(52,; Suppl. Volume 1-2).
Shroder, J. F., Jr and M. P. Bishop (2010), Glaciers of Pakistan, *U.S.Geological Survey Professional Paper, P 1386-F*, F201-F257.
Shroder, J. F., Jr and M. P. Bishop (2010), Selected glaciers of Afghanistan, *U.S.Geological Survey Professional Paper, P 1386-F*, F167-F199.
Shroder, J. F.,Jr, M. P. Bishop, and G. Overton (2005), Glacier and landform change detection, Hindu Kush and western Himalaya, Afghanistan and Pakistan; Geological Society of America, 2005 annual meeting, *Abstracts with Programs - Geological Society of America, 37*(7), 304. 431

Shroder, J., M. Bishop, H. Bulley, U. Haritashya, J. Olsenholler, Lai Yuanming, Ma Wei, and Zhao Shuping (2006), Cryosphere and permafrost change resulting in slope instability in Hindu Kush and western Himalaya; Asian conference on Permafrost, paper presented at Asian conference on Permafrost, Lanzhou, , Publisher unknown, China (CHN), China.
Shukla, A., M. K. Arora, and R. P. Gupta (2010), Synergistic approach for mapping debris-covered glaciers using optical-thermal remote sensing data with inputs from geomorphometric parameters, *Remote Sens. Environ., 114*(7), 1378-1387.
Shukla, A., R. P. Gupta, and M. K. Arora (2009), Estimation of debris cover and its temporal variation using optical satellite sensor data: a case study in Chenab basin, Himalaya, *J. Glaciol., 55*(191), 444-452.
Shuman, C. A., E. Berthier, and T. A. Scambos (2011), 2001-2009 elevation and mass losses in the Larsen A and B embayments, Antarctic Peninsula, *J. Glaciol., 57*(204), 737-754, doi:http://dx.doi.org/10.3189/002214311797409811.
Shunguang Hu, Zengxiang Zhang, Qingke Wen, Xiao Wang, Bin Liu, and Changyou Wang (2010), Fractal characters of rocky desertification land : A case study in Pingguo County, Guangxi Province, China, paper presented at 18th International Conference on Geoinformatics, 18-20 June, 2010, Beijing, China, .

Siart, C., O. Bubenzer, and B. Eitel (2009), Combining digital elevation data (SRTM/ASTER), high resolution satellite imagery (Quickbird) and GIS for geomorphological mapping: A multi-component case study on Mediterranean karst in Central Crete, *Geomorphology, 112*(1-2), 106-121, doi:10.1016/j.geomorph.2009.05.010.
Siart, C., S. Hecht, I. Holzhauer, R. Altherr, H. P. Meyer, G. Schukraft, B. Eitel, O. Bubenzer, and D. Panagiotopoulos (2010), Karst depressions as geoarchaeological archives: The palaeoenvironmental reconstruction of Zominthos (Central Crete), based on geophysical prospection, sedimentological investigations and GIS, *Quaternary International, 216*(1-2), 75-92, doi:10.1016/j.quaint.2009.06.020.
432

Sidle, R. C., T. Furuichi, and Y. Kono (2011), Unprecedented rates of landslide and surface erosion along a newly constructed road in Yunnan, China, *Nat. Hazards, 57*(2), 313-326, doi:http://dx.doi.org/10.1007/s11069-010-9614-6.
Sidorova, I. (2006), Geodynamical model of oil-gas and mineral deposits using RS&GIS Western Uzbekistan, *EOS Transactions, American Geophysical Union, 87*.
Sidorova, Y. (2008), Monitoring of glacial landforms in western Tien Shan using RS GIS, *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 33*, @Abstract 1198571.
Siegert, F. and S. Huang (2005), Large-scale forest fires in Siberia analysed by MODIS, MERIS and ASTER multiresolution satellite imagery, paper presented at 2004 Envisat and ERS Symposium, Sep 6-10 2004, , European Space Agency, Noordwijk, 2200 AG, Netherlands.
Sieh, K. and H. Frey (2004), Active Tectonics of the Arabia-Eurasia Collision Zone and Myanmar: Testing the Utility of SRTM and Aster Data for Understanding Regions of Distributed Deformation,.
Silva, L. G., L. C. Goncalves, and H. L. Roig (2004), Processing, interpretation and integration of multispectral orbital sensors (ASTER and ETM+) data for prospecting mineralized targets of zinc and lead in the Paracatu-Vazante Belt (Minas Gerais State, Brazil), *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 32, Part 2*, 943.
Silvertooth, M. L. (2010), Monitoring active volcanism using ASTER satellite remote sensing: Volcan de Colima, Colima, Mexico, 63, doi:http://gradworks.umi.com/14/89/1489460.html.
Silvertooth, M. and J. Byrnes (2009), Satellite remote sensing of Colima Volcano, Mexico; applications to monitoring eruptive cycles using ASTER datasets, *Abstracts with Programs - Geological Society of America, 41*(7), 644-645.
Sinding-Larsen, R., B. Saether, and T. Rousselin (2008), Meteosat low resolution data processing for quality control and correction of middle resolution data in geological mapping, 433

International Geological Congress, Abstracts = Congres Geologique International, Resumes, 33, @Abstract 1399258.
Singh, A. and S. Mukherjee (2011), Hyperspectral remote sensing applied for hydrogeological mapping in a hard-rock terrain for water resource management, paper presented at Earth Resources and Environmental Remote Sensing/GIS Applications II, September 20, 2011 - September 22, 2011, , SPIE, Prague, Czech republic.
Singh, D. (2008), A Pixel Purity Index and Curvelet based approach for the Fusion of ASTER and MODIS data for land cover classification, *37th COSPAR Scientific Assembly, 37*, 2920.
Singh, V. K., R. Satpathy, R. Parveen, and A. P. T. Jeyasseelan (2010), Spatial Variation of Vegetation Moisture Mapping Using Advanced Spaceborne Thermal Emission & Reflection Radiometer (ASTER) Data, *Journal of Environmental Protection, 1*(4), 448-455, doi:http://dx.doi.org/10.4236/jep.2010.14052.
Singh, V., S. K. Jain, and S. Shukla (2010), Response of hydrological factors and relationships between runoff and sediment yield in the Sub Basin of Satluj River, Western Himalaya, India, *International Journal of Civil and Structural Engineering, 2*(1), 205-221.
Sirguey, P. J., T. Redpath, S. Fitzsimons, and A. Kaab (2011), Insights into temporal variability of surface flow velocity of the Tasman Glacier, New Zealand; provided by optical satellite imagery, *American Geophysical Union Fall Meeting, 2011*, Abstract C42B-06.
Sirguey, P., R. Mathieu, and Y. Arnaud (2009), Subpixel monitoring of the seasonal snow cover with MODIS at 250 m spatial resolution in the Southern Alps of New Zealand: Methodology and accuracy assessment, *Remote Sens. Environ., 113*(1), 160-181.

Sirguey, P., R. Mathieu, Y. Arnaud, M. M. Khan, and J. Chanussot (2008), Improved resolution for the detection of snow with MODIS using wavelet fusion, paper presented at 2007 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2007, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States. 434

Sirguey, P., R. Mathieu, Y. Arnaud, M. M. Khanand, and J. Chanussot (2008), Improving MODIS spatial resolution for snow mapping using wavelet fusion and ARSIS concept, *IEEE Geoscience and Remote Sensing Letters, 5*(1), 78-82.
Sivakumar, V., C. Biju, and B. Deshmukh (2011), Hypsometric Analysis of Varattaru River Basin of Harur Taluk, Dharmapuri Districts, Tamilnadu, India using Geomatics Technology, *International Journal of Geomatics and Geosciences, 2*(1), 241-247.
Sivanpillai, R. and K. L. Driese (2008), Five years of wyomingview: A review of accomplishments and future challenges, paper presented at American Society for Photogrammetry and Remote Sensing Annual Conference 2008 - Bridging the Horizons: New Frontiers in Geospatial Collaboration, April 28, 2008 - May 2, 2008, Portland, OR, , American Society for Photogrammetry and Remote Sensing.
Sivanpillai, R. and S. N. Miller (2010), Improvements in mapping water bodies using ASTER data, *Ecological Informatics, 5*(1), 73-78, doi:10.1016/j.ecoinf.2009.09.013.
Sladek, C., M. F. Coolbaugh, and C. Kratt (2009), Improvements in shallow (two-meter) temperature measurements and data interpretation, paper presented at Geothermal Resources Council Annual Meeting 2009, Geothermal 2009, October 4, 2009 - October 7, , Geothermal Resources Council, Reno, NV.
Slater P N, K. J. Thome, K. Arai, H. Fujisada, H. H. Kieffer, A. S. F. Ono, F. D. Palluconi, and Y. Yamaguchi (1995), Radiometric Calibration of ASTER Data. *Journal of Remote Sensing Society of Japan, 15,NO.2*, PAGE.108-115.
Slater, J. A., B. Heady, G. Kroenung, W. Curtis, J. Haase, D. Hoegemann, C. Shockley, and K. Tracy (2011), Global Assessment of the New ASTER Global Digital Elevation Model, *Photogramm. Eng. Remote Sensing, 77*(4), 335-349.
Slater, P. (1994), ASTER and MODIS project report; Topical Semiannual Report, July 1 - December 31 1994, *NASA-CR-197927; NAS 1.26:197927; REPT-36*, 1-19. 435

Slater, P. and K. Thome (1997), EOS Contract Report: The ASTER and MODIS Projects; Semiannual Report, *NASA-CR-205013; Rept-66; NAS 1.26:205013*, 1-36.
Slater, P. and K. Thome (1997), Semi-Annual EOS Contract Report; Semiannual report no. 60, *NASA-CR-203313; NAS 1.26:203313*, 1-18.
SLATER, P. and K. THOME comp (1997), EOS Contract Report: The ASTER and MODIS Projects (Semiannual Report, 1 Jan. 1997 - 30 Jun. 1997), *NASA-CR-205013; REPT-66; NAS 1.26:205013; NIPS-97-38427*.
Slater, P. N., S. F. Biggar, K. J. Thome, D. I. Gellman, and P. R. Spyak (1995), In-flight radiometric calibration of ASTER by reference to well-characterized scenes, paper presented at Platforms and Systems, Sept. 28, 29, 1994, , Society of Photo-Optical Instrumentation Engineers, Bellingham, WA, USA, Rome, Italy.
Sluiter, R. and E. J. Pebesma (2010), Comparing techniques for vegetation classification using multi- and hyperspectral images and ancillary environmental data, *Int. J. Remote Sens., 31*(23), 6143-6161.
Smailbegovic, A., J. V. Taranik, R. G. Vaughan, F. A. Kruse, and Veridan ERIM International, Ann Arbor, MI, United States,sponsor (USA) (2000), Geological utility of ASTER, MASTER, TIMS and SEBASS multiband thermal data; Proceedings of the Fourteenth international conference on Applied geologic remote sensing, paper presented at Fourteenth international conference on Applied geologic remote sensing, Las Vegas, NV, United States, Nov. 6-8, 2000, , Veridian ERIM International, Ann Arbor, MI, United States (USA).
Smailbegovic, A. (2002), Structural and lithologic constraints to mineralization in Aurora, Nevada and Bodie, California mining districts, observed with aerospace geophysical data, *DAI, 63*(07B), 260-3202.
Smailbegovic, A. and K. T. Gray (2010), Regional geophysical investigation of geothermal area in Golconda, Nevada: Discussion on the public-domain geophysical/geospatial datasets, paper 436

presented at Geothermal Resources Council Annual Meeting 2010, Geothermal 2010, October 24, 2010 - October 27, 2010, , Geothermal Resources Council, Sacramento, CA.

Smailbegovic, A., G. L. Oppliger, M. J. Mihalasky, and J. V. Taranik (2002), Structural and lithologic constraints to metalogenesis in the Bodie Hills, Nevada and California, interpreted with geophysical and geostatistical methods; Geological Society of America, 2002 annual meeting, *Abstracts with Programs - Geological Society of America, 34*(6), 264-265.
Smailbegovic, A. and J. V. Taranik (2001), Mineralization in Aurora, NV and Bodie, CA observed with aerospace geophysical data; Geological Society of America, 2001 annual meeting, *Abstracts with Programs - Geological Society of America, 33*(6), 347.
Smekens, J. F., P. R. Christensen, and Anonymous (2011), The effect of weathering and outcrop variability on thermal infrared multispectral remote sensing data; a comparative study in Gila Bend, AZ, *LPI Contribution, 1608*, @2743, doi:http://www.lpi.usra.edu/meetings/lpsc2011/pdf/2743.pdf.
Smellie, J., M. Patrick, A. Harris, H. Garbeil, and E. Pilger (2003), First recorded eruption of Mount Belinda Volcano, South Sandwich Islands; AGU 2003 fall meeting, *EOS Trans. Am. Geophys. Union, 84*(46, Suppl.), F1597.
Smith, A. M. (2004), Neogene tectonics in the Saratoga Valley, Wyoming; preliminary results from a study combining ASTER, Landsat, and aerial imagery with field work and GIS, *EOS Trans. Am. Geophys. Union, 85*(47, Suppl.), @Abstract T33C-1393.
Smith, A. M. S., M. J. Falkowski, A. T. Hudak, J. S. Evans, A. P. Robinson, and C. M. Steele (2009), A cross-comparison of field, spectral, and lidar estimates of forest canopy cover, *Canadian Journal of Remote Sensing, 35*(5), 447-459.
Smith, E. S. and R. L. Nusbaum (2006), Mapping parts of the Toquima and Toiyabe Ranges in Nevada using DEM along with ASTER and ALI remote sensing data; Geological Society of 437

America, Southeastern Section, 55th annual meeting, *Abstracts with Programs - Geological Society of America, 38*(3), 34.
Smith, J. A., J. M. Ramage, and D. T. Rodbell (2005), Comparing reconstructed Pleistocene equilibrium-line altitudes for the tropical Andes of central Peru; Geological Society of America, Northeastern Section, 40th annual meeting, *Abstracts with Programs - Geological Society of America, 37*(1), 57.
Smith, M. W. (1992), Design, Construction, and Calibration of a Portable Short Wave Infrared Spectroradiometer (REFLECTANCE, SPECTRORADIOMETER), *DAI, 53*(11B), 169-5785.
Smith, S. J., J. Dehn, and R. B. Moore (2003), Analysis of Volcanic Deposits From the 2001 Eruption of Mt. Cleveland, Alaska Using Multisensor Satellite Data and Field Observations, *51*, 0349.
Sneed, W. A. and G. S. Hamilton (2006), Determining surface meltwater pond volume using satellite imagery, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
Sneed, W. A. and G. S. Hamilton (2007), Evolution of melt pond volume on the surface of the Greenland Ice Sheet, *Geophys. Res. Lett., 34*(3), L03501-L03501.
Snidero, M., A. Amilibia, O. Gratacos, E. J. -. Blanc, and J. A. Munoz (2011), The 3D reconstruction of geological structures based on remote sensing data: example from the Anaran anticline, Lurestan province, Zagros fold and thrust belt, Iran, *Journal of the Geological Society, 168*(3), 769-782, doi:10.1144/0016-76492010-107.
Snodgrass, E. R., R. M. Rauber, L. Di Girolamo, and G. Zhao (2005), Synergizing high-resolution EOS Terra satellite data and S-POLKA radar reflectivity to assess trade wind cumuli precipitation.
Snodgrass, E. R., R. M. Rauber, L. Di Girolamo, and G. Zhao (2005), Synergizing high-resolution EOS Terra satellite data and S-POLKA radar reflectivity to assess trade wind cumuli precipitation. 438

Sobrino, J. A., B. Franch, C. Mattar, J. Jimenez-Munoz, and C. Corbari (2012), A method to estimate soil moisture from Airborne Hyperspectral Scanner (AHS) and ASTER data: Application to SEN2FLEX and SEN3EXP campaigns, *Remote Sensing of Environment, 117*, 415-428, doi:http://dx.doi.org/10.1016/j.rse.2011.10.018.
Sobrino, J. A., C. Mattar, J. Gastellu-Etchegorry, J. Jimenez-Munoz, and E. Grau (2011), Evaluation of the DART 3D model in the thermal domain using satellite/airborne imagery and ground-based measurements, *Int. J. Remote Sens., 32*(22), 7453-7477, doi:10.1080/01431161.2010.524672.
Sobrino, J. A., R. Oltra-Carrio, J. C. Jimenez-Munoz, Y. Julien, G. Soria, B. Franch, and C. Mattar (2012), Emissivity mapping over urban areas using a classification-based approach: Application to the Dual-use European Security IR Experiment (DESIREX), *Int. J. Appl. Earth Obs. Geoinf., 18*, 141-147, doi:http://dx.doi.org/10.1016/j.jag.2012.01.022.

Sobrino, J. A., R. Oltra-Carrio, G. Soria, R. Bianchi, and M. Paganini (2012), Impact of spatial resolution and satellite overpass time on evaluation of the surface urban heat island effects, *Remote Sens. Environ., 117*, 50-56, doi:http://dx.doi.org/10.1016/j.rse.2011.04.042.
Sobrino, J. A., J. C. Jimenez-Munoz, L. Balick, A. R. Gillespie, D. A. Sabol, and W. T. Gustafson (2007), Accuracy of ASTER Level-2 thermal-infrared Standard Products of an agricultural area in Spain, *Remote Sens. Environ., 106*(2), 146-153.
Sobrino, J. A., C. Mattar, P. Pardo, J. Jimenez-Munoz, S. J. Hook, A. Baldridge, and R. Ibanez (2009), Soil emissivity and reflectance spectra measurements, *Appl. Opt., 48*(19), 3664-3670.
Sochea, L. and Y. SAKUNO (2008), EELGRASS BED MONITORING USING SATELLITE TERRA/ASTER DATA IN YOSHINA TIDAL FLAT, *PROCEEDINGS OF HYDRAULIC ENGINEERING, 52*, 1381-1386, doi:http://dx.doi.org/10.2208/prohe.52.1381;.
Soe Myint, T. I. , and T. A. Kyaw (2005), Application of Remote Sensing Techniques on Iron Oxide Detection from ASTER and Landsat Images of Tanintharyi Coastal Area, Myanmar, 439

Scientific and Technical Reports of Faculty of Engineering and Resource Science, Akita University, NO.26, PAGE.21-28.
Sohlberg, R. A. (2003), Use of NASA Earth Observing System Data to Monitor Active Fires and to Develop SensorWeb Decision Support Systems (2003 - 2FireEco).
Sokolik, I. N., R. E. Dickinson, and Y. Dai (2006), Impact of Atmospheric Mineral Dust on the Surface Energy Balance and PAR in the NEESPI Study Domain, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
Solikhin, A., J. Thouret, A. Gupta, A. J. L. Harris, and S. C. Liew (2012), Geology, tectonics, and the 2002-2003 eruption of the Semeru volcano, Indonesia: Interpreted from high-spatial resolution satellite imagery, *Geomorphology, 138*(1), 364-379, doi:http://dx.doi.org/10.1016/j.geomorph.2011.10.001.
Soliman, O. S. and A. S. Mahmoud (2012), A classification system for remote sensing satellite images using support vector machine with non-linear kernel functions, paper presented at 2012 8th International Conference onInformatics and Systems (INFOS), 14-16 May 2012, , Cairo, Egypt.
Soliman, O. S., A. S. Mahmoud, and S. M. Hassan (2012), Remote Sensing Satellite Images Classification Using Support Vector Machine and Particle Swarm Optimization, paper presented at 2012 Third International Conference on Innovations in Bio-Inspired Computing and Applications (IBICA), 26-28 Sept. 2012, Kaohsiung, Taiwan, , IEEE.
Solomon, S. (2003), Remote sensing and GIS: Applications for groundwater potential assessment in Eritrea, *DAI, 65*(02C), 136-394.
Solt, M. (2006), Remotely sensing La Reforma Caldera by applying ENVI processing to ASTER image data, *Abstracts with Programs - Geological Society of America, 38*(7), 564.
Sommer, C. A., J. A. Pinheiro-Sommer, E. F. Lima, D. L. Saldanha, R. Pierosan, B. L. Waichel, F. B. Machado, and I. A. de Souza (2008), Contribuicao do sensoriamento remoto no 440

mapeamento de unidades vulcano-sedimentares no plato da Ramada, Vila Nova do Sul, RS/ Remote sensing to map volcano-sedimentary units in the Ramada Plateau, Vila Nova do Sul, Rio Grande do Sul, paper presented at IV simposio de Vulcanismo e ambientes associados,8 a April 11, 2008, , Editora Coluna do Saber, Foz do Iguaçu, Paraná,- Brazil.
Sommer, J. A. P., E. F. de Lima, D. L. Saldanha, C. A. Sommer, and R. Pierosan (2006), O uso de imagens do sensor ASTER no mapeamento de unidades vulcano-sedimentares do plato da Ramada, Vila Nova do Sul, RS. ASTER instrument imagery to map volcano-sedimentary units in the Ramada Plateau, Vila Nova do Sul, Rio Grande do Sul, *Pesquisas em Geociencias, 33*(1), 23-36.
Song, J., J. Wang, W. Cai, and J. Jiang (2011), Fusing ASTER data and MODIS LAI product to generate high spatial and temporal resolution LAI data in Heihe River Basin, paper presented at Remote Sensing and Modeling of Ecosystems for Sustainability VIII , SPIE, San Diego, CA.
Song, K., H. Oh, J. Choi, I. Park, C. Lee, and S. Lee (2012), Prediction of landslides using ASTER imagery and data mining models, *Adv. Space Res., 49*(5), 978-993, doi:http://dx.doi.org/10.1016/j.asr.2011.11.035.
Song, X., W. Huang, J. Wang, L. Liu, and C. Li (2006), Preliminary application of ASTER images in winter wheat quality monitoring, *Nongye Gongcheng Xuebao/Transactions of the Chinese Society of Agricultural Engineering, 22*(9), 148-153.
Songer, M. A. (2006), Endangered dry deciduous forests of Upper Myanmar (Burma): A multi-scale approach for research and conservation, *DAI, 67*(11A), 155-4298.

Songer, M., M. Aung, B. Senior, R. DeFries, and P. Leimgruber (2009), Spatial and temporal deforestation dynamics in protected and unprotected dry forests: a case study from Myanmar (Burma), *Biodivers. Conserv., 18*(4), 1001-1018, doi:10.1007/s10531-008-9490-5. 441

Sosio, R., G. B. Crosta, and O. Hungr (2012), Numerical modeling of debris avalanche propagation from collapse of volcanic edifices, *Landslides, 9*(3), 315-334, doi:http://dx.doi.org/10.1007/s10346-011-0302-8.
Soti, V., C. Puech, D. Lo Seen, A. Bertran, C. Vignolles, B. Mondet, N. Dessay, and A. Tran (2010), The potential for remote sensing and hydrologic modelling to assess the spatio-temporal dynamics of ponds in the Ferlo Region (Senegal), *Hydrology and Earth System Sciences, 14*(8), 1449-1464, doi:10.5194/hess-14-1449-2010.
Soupios, P., N. Argyriou, M. Kouli, F. Vallianatos, and D. Rust (2007), Morphometric analysis of the western Crete watersheds, Greece, using geographic information systems, paper presented at Earth; our changing planet; proceedings of IUGG XXIV general assembly , Perugia, ITA, Italy, July 2-13, 2007, , IUGG, [location varies], International (III).
Sousa Junior, J. G., J. A. M. Dematte, and S. R. Araujo (2011), Terrestrial and orbital spectral models for the determination of soil attributes: potential and costs, *Bragantia, 70*(3), 610-621.
Sousa, J. G. D., J. A. M. Dematte, and A. M. Genu (2008), Spectral response of soils in the landscape based on terrestrial and orbital data acquisition levels, *Revista Brasileira De Ciencia do Solo, 32*(2), 727-738.
Souza Filho, C. R. (2004), Infrared spectroscopy and ASTER imagery analysis of porphyry copper deposits in the Andes; *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 32, Part 2*, 943.
Spinetti, C., M. F. Buongiorno, M. Silvestri, and S. Zoffoli (2011), Mt. Etna volcanic plume from ASTER and HYPERION data by ASI-SRV modules, paper presented at 2011 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2011, July 24, 2011 - July 29, 2011, , Institute of Electrical and Electronics Engineers Inc, Vancouver, BC, Canada.
Spruce, J. P., J. Smoot, and W. Graham (2009), Developing new coastal forest restoration products based on Landsat, ASTER, and MODIS data, paper presented at OCEANS 2009, 442

MTS/IEEE Biloxi - Marine Technology for Our Future: Global and Local Challenges, , IEEE, Biloxi, MS.
Spruce, J., J. Berglund, and B. Davis (2006), Developing Coastal Surface Roughness Maps Using ASTER and QuickBird Data Sources, paper presented at 2004 High Spatial Resolution Commercial Imagery Workshop; 8-10 Nov, 2004; Reston, VA, , NASA Stennis Space Center; Stennis Space Center, MS.
Spruce, J. P. and C. Hall (2005), Techniques for Producing Coastal Land Water Masks from Landsat and Other Multispectral Satellite Data, 1.
Spruce, J. P., R. E. Ryan, J. C. Smoot, D. Prados, R. McKellip, S. S. A., J. Gasser, G. May, and W. Hargrove (2007), Potential of VIIRS Data for Regional Monitoring of Gypsy Moth Defoliation: Implications for Forest Threat Early Warning System, 1-2.
Spruce, J. P., S. Sader, R. E. Ryan, J. Smoot, P. Kuper, K. Ross, D. Prados, J. Russell, G. Gasser, R. McKellip, and W. Hargrove (2011), Assessment of MODIS NDVI time series data products for detecting forest defoliation by gypsy moth outbreaks, *Remote Sensing of Environment, 115*(2), 427-437.
Spyak, P. R., D. S. Smith, J. Thiry, and C. Burkhart (2000), Short-wave infrared transfer radiometer for the calibration of the moderate-resolution imaging spectrometer and the advanced spaceborne thermal emission and reflection radiometer, *Appl. Opt., 39*(31), 5694-5706.
Spyropoulou, K. D. (2003), Interpretation of tectonics from digital elevation data in the San Gabriel Mountains, CA; evaluation of methods and data sources,.
Srivastava, P. K., T. J. Majumdar, and A. K. Bhattacharya (2009), Surface temperature estimation in Singhbhum Shear Zone of India using Landsat-7 ETM+ thermal infrared data, *Advances in Space Research, 43*(10), 1563-1574. 443

Srivastava, P. K., T. J. Majumdar, and A. K. Bhattacharya (2010), Study of land surface temperature and spectral emissivity using multi-sensor satellite data, *Journal of Earth System Science, 119*(1), 67-74.

Srivastava, V. K. and K. Mondal (2012), Evaluation of digital elevation models (DEMs) generated from ASTER and SRTM data: A case study of flat alluvium terrain of Bakreshwar-Dubrajpur (W.B.), India, paper presented at 2012 1st International Conference on Recent Advances in Information Technology, RAIT-2012, March 15, 2012 - March 17, 2012, Dhanbad, India, , IEEE Computer Society.
Stadler, S. J., K. P. Czajkowski, S. N. Goward, and Y. Xue (2001), Terrestrial Environmental Variables Derived From EOS Platform Sensors; Final Report, *OSU-AA-5-51109*, 1-7.
Stamoulis, V. (2009), Tenement evaluation for uranium potential through the application of remote sensing techniques and landscape evolution studies; *Publication Series - Australasian Institute of Mining and Metallurgy, 5/2009*, 25-26.
Stamoulis, V., J. (. Hall, and Australasian Institute of Mining and Metallurgy, Carlton, Victoria, (AUS) (2007), New technology used to detect palaeochannels; a case study from the Lake Frome district in South Australia, *Publication Series - Australasian Institute of Mining and Metallurgy, 3/2007*, 75.
Stamoulis, V. (2006), ASTER night-time thermal infrared data; interpreting subsurface features from high resolution data, *MESA Journal, 43*, 36-39.
Stamoulis, V. and P. Rogers (2003), Geological mapping for mineral exploration using ASTER data, *MESA Journal, 30*, 16-19.
Stancalie, G., V. Craciunescu, C. Fleraru, and S. Catana (2007), Contribution of Earth Observation data to flood risk mapping,.
Stanichny, S., V. Burduygov, R. Stanichnaya, and D. Soloviev (2007), Satellite monitoring of the processes in the Aral and Caspian Seas,. 444

Starks, P. J., D. Zhao, W. A. Phillips, M. A. Brown, and S. W. Coleman (2006), Productivity and forage quality of warm season grass pastures in relation to canopy reflectance in ASTER wavebands, paper presented at 20th Biennial Workshop on Aerial Photography, Videography, and High Resolution Digital Imagery for Resource Assessment 2005, October 4, 2005 - October 5, 2005, Weslaco, TX, , American Society for Photogrammetry and Remote Sensing.
Starr, D. (1999), EOS Terra Validation Program, 1.
Starr, D. (2000), EOS Terra Validation Program, paper presented at AGU Spring Meeting 30 May - 3 Jun. 2000, .
Staskowski, R. J., J. R. Everett, and C. K. Dacre (2006), Recognition of hydrocarbon related spectral anomalies using a transect method, *Abstracts: Annual Meeting - American Association of Petroleum Geologists, 15*, 101.
Staskowski, R. J., C. M. Jengo, and J. R. Everett (2004), Utility of ASTER for detecting hydrocarbon, *Annual Meeting Expanded Abstracts - American Association of Petroleum Geologists, 13*, 132.
Stearns, L. A. and G. S. Hamilton (2003), Velocities along Byrd Glacier, East Antarctica, derived from ASTER satellite imagery using automatic feature tracking, paper presented at Seventh international symposium on Antarctic glaciology, Milano, Italy, 25-29 August 2003, , Scientific Committee on Antarctic Research (SCAR), [varies].
Stearns, L. and G. Hamilton (2005), A new velocity map for Byrd Glacier, East Antarctica, from sequential ASTER satellite imagery, *Annals of Glaciology, 41*, 71-76.
Stearns, L. A. and G. S. Hamilton (2003), Velocities along Byrd Glacier, East Antarctica, derived from Automatic Feature Tracking, *EOS Transactions, American Geophysical Union, 84*(46, Suppl.), Abstract C11C-0828. 445

Stearns, L. A. and G. S. Hamilton (2006), Rapid Ice Volume Loss from East Greenland Outlet Glaciers Quantified using Repeat Stereo Satellite Imagery, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
Stearns, L. A. and G. S. Hamilton (2007), Rapid volume loss from two East Greenland outlet glaciers quantified using repeat stereo satellite imagery, *Geophys. Res. Lett., 34*(5), L05503-L05503.
Stearns, L. A. and G. S. Hamilton (2007), Thinning and Acceleration of East Antarctic Outlet Glaciers, *EOS Transactions, American Geophysical Union, 88*(52,; Suppl. Volume 1-2).
Stearns, L. A. and G. S. Hamilton (2006), East Greenland outlet glaciers; from ground and space, *The Earth Observer, 18*(3), 8-10.
Stearns, L. and G. Hamilton (2005), ASTER imagery of Antarctica; geographic coverage, data availability and glaciological applications, paper presented at WAIS; the West Antarctic ice sheet initiative; Twelfth annual workshop, Sterling, VA, Sept. 28-Oct. 1, 2005, , NASA in partnership with National Science Foundation (NSF), [varies].

Steele, C. M., A. Smith, A. Campanella, and A. Rango (2008), The contribution of vegetation cover and bare soil to pixel reflectance in an arid ecosystem, *AGU Fall Meeting Abstracts, 32*, 02.
Stefanescu, E. R., M. Bursik, and A. K. Patra (2012), Effect of digital elevation model on Mohr-Coulomb geophysical flow model output, *Nat. Hazards, 62*(2), 635-656, doi:http://dx.doi.org/10.1007/s11069-012-0103-y.
Stefanov, W. L., M. S. Ramsey, and P. R. Christensen (2001), Monitoring urban land cover change: An expert system approach to land cover classification of semiarid to arid urban centers, *Remote Sens. Environ., 77*(2), 173-185. 446

Stefanov, W. L. (2003), Investigation of human impacts on surficial geomorphology in mountain parks using master data; preliminary results, *EOS Trans. Am. Geophys. Union, 84*(46, Suppl.), F748.
Stefanov, W. L. and N. M. (2007), Characterization and Monitoring of Urban/Peri-Urban Ecological Function and Landscape Structure using Satellite Data, 29.
Stefanov, W. L. and M. Netzband (2005), Assessment of ASTER land cover and MODIS NDVI data at multiple scales for ecological characterization of an arid urban center, *Remote Sens. Environ., 99*(1-2), 31-43.
Steffke, A., J. Dehn, and K. Dean (2004), Preliminary Analysis of Thermal Flux Associated With Dome Growth of Bezymianny Volcano Using Spaceborne Thermal Infrared Data, *EOS, Transactions, American Geophysical Union, 85*(47, Suppl.), 1478-Abstract V33B-1478.
Steffke, A. M., R. L. Nusbaum, and A. Smailbegovic (2001), Remote mapping of quartz veins associated with gold-silver mineralization, Aurora mining district, western Nevada; Geological Society of America, Southeastern Section, 50th annual meeting, *Abstracts with Programs - Geological Society of America, 33*(2), 77.
Steffke, C. (2010), Estimating suspended-sediment concentration in the Santa Barbara Channel using the MODIS/ASTER airborne simulator, *Abstracts with Programs - Geological Society of America, 42*(5), 247.
Stein, A., J. Aryal, and G. Gort (2005), Use of the Bradley-Terry model to quantify association in remotely sensed images, *IEEE Trans. Geosci. Remote Sens., 43*(4), 852-856.
Steissberg, T. E., S. J. Hook, and G. Schladow (2006), High-Spatial-Resolution Thermal Infrared Satellite Images for Lake Studies, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.). 447

Steissberg, T. E., S. J. Hook, and S. G. Schladow (2005), Characterizing partial upwellings and surface circulation at Lake Tahoe, California-Nevada, USA with thermal infrared images, *Remote Sens. Environ., 99*(1-2), 2-15.
Steissberg, T. E., S. J. Hook, and S. G. Schladow (2005), Measuring surface currents in lakes with high spatial resolution thermal infrared imagery, *Geophys. Res. Lett., 32*(11), 11402.
Stephens, S. C. (2006), Measuring soil organic carbon using reflectance-based models in the intermountain West, *MAI, 45*(03), 57-1347.
Stern, R. J., M. Beyth, J. Bodechtel, and H. Wetzel (2002), Potential of the International Space Station for imaging Earth; lessons from MOMS-2P aboard Mir, *Geology (Boulder), 30*(9), 851-854, doi:10.1130/0091-7613(2002)030<0851:POTISS>2.0.CO;2.
Stevens, N. F., H. Garbeil, P. J. Mouginis-Mark, V. R. (. Manville, and D. (. Tilyard (2004), NASA EOS Terra ASTER; volcanic topographic mapping and capability; Geological Society of New Zealand/New Zealand Geophysical Society/26th New Zealand geothermal workshop; programme and abstracts, *Geological Society of New Zealand Miscellaneous Publication, 117A*, 103.
Stevens, N. F., H. Garbeil, and P. J. Mouginis-Mark (2004), NASA EOS Terra ASTER: Volcanic topographic mapping and capability, *Remote Sens. Environ., 90*(3), 405-414.
Stoffels, J., S. Mader, J. Hill, W. Werner, and G. Ontrup (2012), Satellite-based stand-wise forest cover type mapping using a spatially adaptive classification approach, *Eur. J. For. Res., 131*(4), 1071-1089, doi:http://dx.doi.org/10.1007/s10342-011-0577-2.
Stokes, C. R. and C. Clark (2003), Ice stream initiation and shut-down; evidence from the Dubawnt Lake palaeo-ice stream, NW Canadian Shield; XVI INQUA congress; shaping the Earth; a Quaternary perspective, *Congress of the International Union for Quaternary Research, 16*, 116. 448

Stoler, J., D. Daniels, J. R. Weeks, D. A. Stow, L. L. Coulter, and B. K. Finch (2012), Assessing the Utility of Satellite Imagery with Differing Spatial Resolutions for Deriving Proxy Measures of Slum Presence in Accra, Ghana, *GISci. Remote Sens., 49*(1), 31-52, doi:http://dx.doi.org/10.2747/1548-1603.49.1.31.
Stoll, B. and P. Capolsini (2004), A simple class-set based vegetation classification of a South Pacific Volcanic Island (Moorea Island, French Polynesia) using both AirSAR and MASTER data, paper presented at 2004 IEEE International Geoscience and Remote Sensing Symposium Proceedings: Science for Society: Exploring and Managing a Changing Planet. IGARSS 2004, Sep 20-24 2004, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Stolz, T. A. and D. R. Watts (2012), Geological mapping of Orhon, Tariat, and Egiin Dawaa, central Mongolia through the interpretation of remote sensing data, *Abstracts with Programs - Geological Society of America, 44*(5), 15.
Stolz, T. A. (2008), Geological mapping of Orhon, Tariat, and Egiin Dawaa, central Mongolia, through the interpretation of remote sensing data, 102.
Stone, T. C., H. H. Kieffer, and K. J. Becker (2003), Modeling the Radiance of the Moon for On-orbit Calibration, paper presented at Earth Observing Systems VIII, Aug 3-6 2003, , The International Society for Optical Engineering, San Diego, CA.
Stoops, C. A., Y. R. Gionar, Shinta, P. Sismadi, A. Rachmat, I. F. Elyazar, and S. Sukowati (2008), Remotely-sensed land use patterns and the presence of Anopheles larvae (Diptera : Culicidae) in Sukabumi, West Java, Indonesia, *Journal of Vector Ecology, 33*(1), 30-39.
Storvold, R. and E. Malnes (2004), Snow covered area retrieval using ENVISAT ASAR wideswath in mountainous areas, paper presented at 2004 IEEE International Geoscience and Remote Sensing Symposium Proceedings: Science for Society: Exploring and Managing a Changing Planet. IGARSS 2004, Sep 20-24 2004, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States. 449

Strak, V., S. Dominguez, C. Petit, B. Meyer, and N. Loget (2011), Interaction between normal fault slip and erosion on relief evolution; insights from experimental modelling, *Tectonophysics, 513*(1-4), 1-19, doi:http://dx.doi.org/10.1016/j.tecto.2011.10.005.
Strasen, J. L., H. S. Chafetz, and S. Khan (2009), Discrete lithofacies discrimination of Jurassic strata using Advanced Spaceborne Thermal Emission and Reflection Radiometer Data, Bighorn Basin, Wyoming, USA, *Sedimentology, 56*(5), 1535-1551, doi:10.1111/j.1365-3091.2008.01045.x.
Strasen, J. L. (2004), Fine-scale lithofacies discrimination of Jurassic sedimentary rocks using ASTER data, Bighorn Basin, north-central Wyoming; Geological Society of America, 2004 annual meeting, *Abstracts with Programs - Geological Society of America, 36*(5), 384.
Strasen, J. L. (2008), Depositional environments of the Middle Jurassic lower Sundance Formation, Bighorn Basin, Wyoming, *DAI, 69*(05B), 289-2867.
Strecker, M. R., D. Melnick, A. L. Deino, M. H. Trauth, D. O. Olago, and Y. Garcin (2008), Oblique rifting and en echelon-segmentation of the northern Kenya Rift, *Geophysical Research Abstracts, 10*, EGU2008-A-12313, doi:http://www.cosis.net/abstracts/EGU2008/12313/EGU2008-A-12313.pdf.
Strieder, A. J., S. A. Buffon, T. F. P. de Quadros, and H. R. Oliveira (2006), Predicting favourable areas for landsliding through GIS modelling in Aparados da Serra (Brazil); Geo-environment & landscape evolution II; Evolution, monitoring, simulation, management and remediation of the geological environment and landscape, *WIT Transactions on Ecology and the Environment, 89*, 467-475.
Strojnik, M. and B. F. Andresen (2001), Infrared Spaceborne Remote Sensing IX; Proceedings of the conference, San Diego, CA, Aug. 1-3, 2001, paper presented at UNITED STATES, .
Strojnik, M. and B. F. Andresen (2002), Introduction, paper presented at Infrared Spaceborne Remote Sensing IX, Aug 1-3 2001, , The International Society for Optical Engineering. 450

Strong, D. T., S. Fitzsimons, and P. Sirguey (2010), Proglacial lake growth in Aoraki/Mt Cook National Park, examined using remotely sensed imagery, paper presented at SIRG 2010; Snow and Ice Group (NZ) annual workshop; programme and abstract book, , Snow and Ice Research Group, New Zealand (NZL).
Stroppiana, D., M. Boschetti, P. Zaffaroni, and P. A. Brivio (2009), Analysis and Interpretation of Spectral Indices for Soft Multicriteria Burned-Area Mapping in Mediterranean Regions, *IEEE Geoscience and Remote Sensing Letters, 6*(3), 499-503, doi:10.1109/LGRS.2009.2020067.

Stutz, J. and L. Schoenbohm (2008), Climatic and tectonic controls on ELA and glacial characteristics in the King Ata Tagh Range, western China; testing the glacial buzzsaw hypothesis, *EOS Trans. Am. Geophys. Union, 89*(53, Suppl.), T53A-1906.
Subramaniam, S., A. V. Suresh Babu, and P. S. Roy (2011), Automated water spread mapping using ResourceSat-1 AWiFS data for water bodies information system, *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 4*(1), 205-215.
Suga Yuzo, Ono Kenji, T. S. , and H. Ogawa (2001), A Trial for Data Fusion by Using EROS-A1 Image. Combination with Terra / ASTER and Landsat -7/ETM+ Images.
Suga, Y., T. Konishi, and S. Takeuchi (2007), Comparison of the performances of middle-resolution multi-spectral images for vegetation cover rate extraction based on mixture analyses, paper presented at Remote Sensing for Environmental Monitoring, GIS Applications, and Geology VII, , SPIE, Bellingham WA, WA 98227-0010, United States.
Sugihara, T., K. Imai, F. Namiwa, R. Iwasa, and G. Saito (2007), Forest biomass estimation using remote sensing data and GIS, paper presented at 28th Asian Conference on Remote Sensing 2007, ACRS 2007, November 12, 2007 - November 16, 2007, Kuala Lumpur, Malaysia, , Asian Association on Remote Sensing.
Sugihara, T., F. Namiwa, K. Imai, D. Kunii, and G. Saito (2008), Monitoring of Japanese forest biomass using stereoscopic ability of ASTER sensor, paper presented at 29th Asian Conference 451

on Remote Sensing 2008, ACRS 2008, November 10, 2008 - November 14, 2008, Colombo, Sri Lanka, , Asian Association on Remote Sensing.
Sugihara, T., H. Sato, F. Namiwa, R. Iwasa, and G. Saito (2006), Biomass estimation of japanese forest using aster data, paper presented at 27th Asian Conference on Remote Sensing, ACRS 2006, October 9, 2006 - October 13, 2006; Ulaanbaatar, Mongolia, , Asian Association on Remote Sensing.
Sugisaki, T. and H. Tonooka (2008), Evaluation of land surface reflectance and emissivity spectra retrieved from MASTER data, paper presented at Sensors, Systems, and Next-Generation Satellites XII, , SPIE - The International Society for Optical Engineering.
Sugita, M., J. Asanuma, M. Tsujimura, S. Mariko, M. Lu, F. Kimura, D. Azzaya, and T. Adyasuren (2007), An overview of the rangelands atmosphere-hydrosphere-biosphere interaction study experiment in northeastern Asia (RAISE), *J. Hydrol., 333*(1), 3-20, doi:10.1016/j.jhydrol.2006.07.032.
Sulaiman, N. A., F. Husain, K. A. Hashim, and A. M. Samad (2012), A study on flood risk assessment for Bandar Segamat sustainability using remote sensing and GIS approach, paper presented at 2012 IEEE Control and System Graduate Research Colloquium, ICSGRC 2012, July 16, 2012 - July 17, 2012, Shah Alam, Malaysia, , IEEE Computer Society.
Suleiman, A. A., K. M. Bali, and J. Kleissl (2009), Comparison of ALARM and SEBAL evapotranspiration of irrigated alfalfa, paper presented at American Society of Agricultural and Biological Engineers Annual International Meeting 2009, June 21, 2009 - June 24, 2009, , American Society of Agricultural and Biological Engineers, Reno, NV.
Sulieman, H. M. 1. and M. F. 1. Buchroithner (2007), Multi-temporal classification of abandoned agricultural land in Gadarif region, Sudan, using original bands, indices and feature components of spaceborne imagery, paper presented at Proceedings of MultiTemp 2007 - 2007 International Workshop on the Analysis of Multi-Temporal Remote Sensing Images, , IEEE. 452

Sultana, D. N. (2005), What is controlling the Gorge of the Nile in Ethiopia? An integrated approach from ASTER, RADARSAT, DEMS, and field studies, *Abstracts: Annual Meeting - American Association of Petroleum Geologists, 14*, A135.
Sultana, D. N. and M. G. Abdelsalam (2003), Evolution of the Gorge of the Nile, Ethiopia, from integration of optical and radar remote sensing data and digital elevation models; Geological Society of America, 2003 annual meeting, *Abstracts with Programs - Geological Society of America, 35*(6), 63.
Sultana, D. N. and M. G. Abdelsalam (2004), Multi-spatial resolution digital elevation models for studying the evolution of complex drainage system; the Gorge of the Nile, Ethiopia, *Annual Meeting Expanded Abstracts - American Association of Petroleum Geologists, 13*, 134.
Sultana, D. N. and M. G. Abdelsalam (2005), Extensional geologic history of the Blue Nile Basin, Ethiopia, from remote sensing data and field studies, *Abstracts: Annual Meeting - American Association of Petroleum Geologists, 14*, A135.

Sultana, D. N. and M. G. Abdelsalam (2005), Geologic controls of the gorge of the Nile in Ethiopia; an integrated approach from ASTER, RADARSAT, DEMs and field studies; Geological Society of America, South-Central Section, 39th annual meeting, *Abstracts with Programs - Geological Society of America, 37*(3), 4-5.
Sultana, D. N., M. G. Abdelsalam, and T. C. Chidsey Jr (chairperson) (2003), Evolution of the Blue Nile gorge, Ethiopia, from optical and radar remote sensing and digital elevation models data integration; 2003 AAPG annual convention with SEPM, *Annual Meeting Expanded Abstracts - American Association of Petroleum Geologists, 12*, 164.
Sun, L., L. Chen, Q. Liu, Q. Liu, and A. Song (2004), Analysis on uncertainty in the MODIS retrieved land surface temperature using field measurements and high resolution images, paper presented at 2004 IEEE International Geoscience and Remote Sensing Symposium Proceedings: Science for Society: Exploring and Managing a Changing Planet. IGARSS 2004, 453

Sep 20-24 2004, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States, Anchorage, AK.
Sun, Q., J. Tan, and Y. Xu (2010), An ERDAS image processing method for retrieving LST and describing urban heat evolution: a case study in the Pearl River Delta Region in South China, *Environmental Earth Sciences, 59*(5), 1047-1055, doi:10.1007/s12665-009-0096-3.
Sun, R., A. Chen, L. Chen, and Y. Lu (2012), Cooling effects of wetlands in an urban region: The case of Beijing, *Ecol. Ind., 20*, 57-64, doi:http://dx.doi.org/10.1016/j.ecolind.2012.02.006.
Sun, R. and L. Chen (2012), How can urban water bodies be designed for climate adaptation? *Landscape and Urban Planning, 105*(1-2), 27-33, doi:http://dx.doi.org/10.1016/j.landurbplan.2011.11.018.
Sun, W., M. Du, and G. Cai (2011), Dynamic RS monitoring and analysis of the thermal environments in Beijing urban area and the Olympic Park, *Cehui Kexue / Science of Surveying and Mapping, 36*(5), 103-105.
Sun, Z., Q. Wang, T. Fukushima, B. Matsushita, and M. Watanabe (2007), Evaluation of the VI-Ts Method for Land Surface Moisture Index and Air Temperature using ASTER and MODIS Data in the North China Plain, paper presented at 20th Annual Conference (2007), Japan Society of Hydrology and Water Resources, , Japan Society of Hydrology and Water Resources.
Sun, Z., Q. Wang, B. Matsushita, T. Fukushima, Z. Ouyang, M. Watanabe, and M. Gebremichael (2011), Evaluation of the VI-Ts method for estimating the land surface moisture index and air temperature using ASTER and modis data in the North China Plain, *Int. J. Remote Sens., 32*(22), 7257-7278, doi:10.1080/01431161.2010.519743.
Sun, Z., Q. Wang, B. Matsushita, T. Fukushima, Zhu Ouyang, and M. Watanabe (2008), A New Method to Define the VI-Ts Diagram Using Subpixel Vegetation and Soil Information: A Case 454

Study over a Semiarid Agricultural Region in the North China Plain, *Sensors, 8*(10), 6260-6279, doi:10.3390/s8106260.
Surazakor, A. B., V. B. Aizen, and V. A. Kuzmichenok (2004), Shuttle topography radar mission DEM, ASTER images and aerial photography in evaluation of mountain glacier area and volume changes, *EOS Trans. Am. Geophys. Union, 85*(47, Suppl.), Absract H23D-1148.
Surazakov, A. B., V. B. Aizen, and E. M. Aizen (2007), The Whole Tien Shan Glacier Area Changes Between 1973 and 2003 Estimated From Corona and ASTER Satellite Imagery, *EOS Transactions, American Geophysical Union, 88*(52,; Suppl. Volume 1-2).
Surazakov, A. B., V. B. Aizen, E. M. Aizen, S. A. Nikitin, and J. K. Narojniy (2006), Glacier Area and River Runoff Changes in the Head of Ob River Basins During the Last 50 Years, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
Surazakov, A. (2008), Application of remote sensing and GIS in glacier monitoring: Glacier variability in Central Asia (Tien Shan and Altai) during the last 30--60 years, 126.
Suri, S., M. K. Arora, R. Seiler, and E. Csaplovics (2006), Applicability and performance of some similarity metrics for automated image registration, paper presented at Multispectral, Hyperspectral, and Ultraspectral Remote Sensing Technology, Techniques, and Applications, , International Society for Optical Engineering, Bellingham WA, WA 98227-0010, United States.

Suryantini, S. E., F. J. A. van Ruitenbeek, and F. D. van der Meer (2005), The effect of weathering on reflectance spectra of hydrothermal white micas and chlorites; implications for alteration mapping, paper presented at Mineral deposit research; meeting the global challenge; proceedings: Eighth biennial SGA meeting, Beijing, China, Aug. 18-21, 2005, , Springer, Berlin, Federal Republic of Germany (DEU).
Susaki, J., Y. Yasuoka, K. Kajiwara, Y. Honda, and K. Hara (2007), Validation of MODIS albedo products of paddy fields in Japan, *IEEE Trans. Geosci. Remote Sens., 45*(1), 206-217. 455

Sutinen, R., M. Middleton, P. Liwata, M. Piekkari, and E. Hyvonen (2009), Sediment anisotropy coincides with moraine ridge trend in south-central Finnish Lapland, *Boreas, 38*(3), 638-646, doi:10.1111/j.1502-3885.2009.00089.x.
Suwandana, E., K. Kawamura, Y. Sakuno, and E. Kustiyanto (2012), Thematic information content assessment of the ASTER GDEM: A case study of watershed delineation in West Java, Indonesia, *Remote Sensing Letters, 3*(5), 423-432, doi:10.1080/01431161.2011.593580.
Suwandana, E., K. Kawamura, Y. Sakuno, E. Kustiyanto, and B. Raharjo (2012), Evaluation of ASTER GDEM2 in Comparison with GDEM1, SRTM DEM and Topographic-Map-Derived DEM Using Inundation Area Analysis and RTK-dGPS Data, *Remote Sens., 4*(8), 2419-2431, doi:http://dx.doi.org/10.3390/rs4082419.
Suzen, M. L., N. Kaymakci, and I. Kuscu (2005), Uzaktan algilama ve mineral haritalama--Remote sensing and mineral mapping; *Turkiye Jeoloji Kurultayi Bildiri Ozleri = Abstract of the Geological Congress of Turkey, 58*, 208-209.
Suzuki, K. and Y. Yamamoto (2006), Hydrologic Image Interpretation on Small-scale On-farm Pond Using High Spatial Resolution Satellite Data, *Journal of Japan Society of Hydrology and Water Research, 19*(3), 205-211.
Suzuki, R., K. Fujita, and Y. Ageta (2006), Spatial Distribution of Thermal Properties on Debris-Covered Glaciers in the Himalayas Derived From ASTER Data, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
Suzuki, R., Y. Ageta, and K. Fujita (2005), Estimate on thermal resistance of debris-covered glaciers in the Himalayas using ASTER, paper presented at The 2005 Conference Japanese Society of Snow and Ice, , Japanese Society of Snow and Ice.
Suzuki, R., Y. Ageta, N. Naito, T. Yamada, H. Yabuki, and Karma (2004), Estimation on Glacier Melting in Lunana Region, Bhutan by Using ASTER Images, paper presented at The 2004 Conference Japanese Society of Snow and Ice, , Japanese Society of Snow and Ice. 456

Svoboda, F. and F. Paul (2009), A new glacier inventory on southern Baffin Island, Canada, from ASTER data; I, Methods, challenges and solutions, *Geophysical Research Abstracts, 11*, EGU2009-11392.
Svoboda, F. and F. Paul (2009), A new glacier inventory on southern Baffin Island, Canada, from ASTER data; I, Applied methods, challenges and solutions; *Annals of Glaciology, 50*(53), 11-21.
Swalf, P. S., A. P. Crosta, C. R. de Souza Filho, and Veridan ERIM International, Ann Arbor, MI, United States,sponsor (USA) (2000), A remote sensing model for detecting geologic features associated with blackshale-hosted gold mineralization in tropical/sub-tropical environments; Proceedings of the Fourteenth international conference on Applied geologic remote sensing, paper presented at Fourteenth international conference on Applied geologic remote sensing, Las Vegas, NV, United States, Nov. 6-8, 2000, , Veridian ERIM International, Ann Arbor, MI, United States (USA).
Swalf, P. S., A. P. Crosta, and C. R. de Souza Filho (2003), Remote sensing signature of the Morro do Ouro gold deposit, Minas Gerais, Brazil, using reflectance spectrometry; application to mineral exploration using spaceborne multispectral sensors; Geotecnologias aplicadas a geologia. Applied geotechnologies in geology, *Revista Brasileira de Geociencias, 33*(2, Suplemento), 221-227.
Swalf, P. S., A. P. Crosta, and F. C. R. de Souza (2000), Spectral modeling for identification of mineral assemblages associated with gold mineralization in tropical/subtropical environments; a case study in central-western Brazil; Brazil 2000; 31st international geological congress; abstracts volume, *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 31*.
Swayze, G. A. and R. N. Clark (1995), Spectral identification of minerals using imaging spectrometry data: Evaluating the effects of signal to noise and spectral resolution using the 457

tricorder algorithm, paper presented at JPL, Summaries of the Fifth Annual JPL Airborne Earth Science Workshop. Volume 1: AVIRIS Workshop, .

Sweat, P. C. (2008), Verification of Aerosol Optical Depth Retrievals using Cloud Shadows Retrieved from Satellite Imagery, *AD-A480027*, 1-86.
Tachikawa, T. and E. Abbott (2004), ASTER Science Team Meeting, *Earth Observer, 16*(5), 23-27.
TACHIKAWA, T. (2009), Summary of ASTER GDEM, *Journal of Remote Sensing Society of Japan, 29*(5), 675-677, doi:https://www.jstage.jst.go.jp/article/rssj/29/5/29_5_675/_article.
Tachikawa, T., M. Hato, M. Kaku, and A. Iwasaki (2011), Characteristics of ASTER GDEM version 2, paper presented at 2011 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2011, July 24, 2011 - July 29, 2011, , Institute of Electrical and Electronics Engineers Inc, Vancouver, BC, Canada.
Tadono, T., M. Shimada, M. Watanabe, A. Mukaida, S. Kawamoto, N. Imoto, and J. Yamashita (2006), Initial results of calibration and validation for ALOS optical sensors, paper presented at 2006 IEEE International Symposium on Geoscience and Remote Sensing, , IEEE.
Tadono, T., M. Shimada, T. Hashimoto, H. Murakami, J. Takaku, and A. Mukaida (2006), Results of initial calibration and validation for ALOS optical sensors (PRISM and AVNIR-2).
Tadono, T., M. Shimada, S. Kawamoto, J. Takaku, A. Mukaida, M. Sasaki, and J. Yamashita (2005), Simulation of calibration and validation for ALOS optical sensors, paper presented at 2005 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2005, Jul 25-29 2005, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
TADONO, T., M. SHIMADA, and H. MURAKAMI (2007), Initial Calibration Results and Accuracy Assessments of PRISM and AVNIR-2 Onboard ALOS, *Journal of Remote Sensing Society of Japan, 27*(4), 329-343. 458

Tadono, T., M. Shimada, H. Murakami, A. Mukaida, J. Takaku, and S. Kawamoto (2006), Preliminary results of calibration for ALOS optical sensors and validation of generated PRISM DSM, paper presented at Sensors, Systems, and Next-Generation Satellites X, Sep 11-13 2006, , International Society for Optical Engineering, Bellingham WA, WA 98227-0010, United States, Stockholm, Sweden.
Tadono, T., M. Shimada, and J. Takaku (2009), Validation of precise digital surface model generated by PRISM onboard ALOS, paper presented at Sensors, Systems, and Next-Generation Satellites XIII, August 31, 2009 - September 3, , SPIE.
Tadono, T., M. Shimada, M. Watanabe, J. Takaku, and A. Mukaida (2006), Preliminary Results of Calibration and Validation for ALOS Optical Sensors (PRISM and AVNIR-2), *UchuKagaku Gijutsu Rengo Koenkai Koenshu, 50th*, 1D11.
Taheri, S. R. (2006), Remote sensing, fuzzy logic and GIS in petroleum exploration, paper presented at SPE Asia Pacific Oil and Gas Conference and Exhibition 2006: Thriving on Volatility, Sep 11-13 2006, , Society of Petroleum Engineers, Richardson, TX 75083-3836, United States.
Taheri, S. R. (2008), Remote sensing, fuzzy logic and GIS in petroleum exploration, paper presented at SPE Annual Technical Conference and Exhibition, ATCE 2008, , Society of Petroleum Engineers (SPE).
Taheri, S. R. and A. Tait (2006), Remote sensing, fuzzy logic and GIS in petroleum exploration, *American Association of Petroleum Geologists International Conference Abstracts, 2006*.
Tajgardan, T., S. Shataee, and S. Ayoubi (2007), Spatial prediction of soil salinity in the arid zones using ASTER data, Case study: North of Ag ghala, Golestan Province, Iran, paper presented at 28th Asian Conference on Remote Sensing 2007, ACRS 2007, November 12, 2007 - November 16, 2007, Kuala Lumpur, Malaysia, , Asian Association on Remote Sensing. 459

Takagi, T., H. Kawashima, T. Amagasa, and H. Kitagawa (2010), Providing constructed buildings information by ASTER satellite DEM images and web contents, paper presented at 15th International Conference on Database Systems for Advanced Applications, DASFAA 2010, April 1, 2010 - April 4, , Springer Verlag, Tsukuba, Japan.
Takahara, H. and M. Urai (1998), Surface temperature observation of Satsuma Iojima volcano with satellite image.
Takahashi Kazuyoshi, Rikimaru Atsushi, and M. Y. (2003), Verification of High Precise Estimation Method of the Rice Planted Fields Acreage with Outline Data Reference using ASTER /VNIR Image. *Journal of the Japan Society of Photogrammetry and Remote Sensing, 42,NO.4*, PAGE.18-26.
Takahashi, D. (2008), The world's first commercial hyperspectral data service from Earth observation satellite, paper presented at 2008 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2008, , IEEE.

Takahashi, F., M. Hiramatsu, F. Watanabe, Y. Narimatsu, and R. Nagura (1991), Visible and near-infrared subsystem and common signal processor design status of ASTER, paper presented at Future European and Japanese Remote-Sensing Sensors and Programs, Apr 1-2 1991, , Int Soc for Optical Engineering, Orlando, FL.
Takahashi, T., K. Katoh, and T. Kamijyo (2008), The Vegetation Recovery Process in Miyakejima Island after the 2000 Volcanic Eruption Using Satellite Remote Sensing, paper presented at JILA Annual Scientific Research Meeting, , Japanese Institute of Landscape Architecture.
Takarada, S., S. Nakano, H. Hoshizumi, J. Itoh, M. Urai, and K. Nishiki (2009), Volcanic and geologic database projects of the Geological Survey of Japan, *EOS Transactions, American Geophysical Union, 90*(52, Suppl.), V23I-05. 460

Takasaki, K., Tanaka Sotaro, S. T. , Hashiba Hideki, and K. K. (2001), Airport monitoring using TERRA / ASTER image.
Takashima T and M. K. (2000), Atmospheric correction algorithm for the aster visible data over heterogeneous surfaces.
Takashima, T. and K. Masuda (2000), Atmospheric correction for the satellite visible data over heterogeneous surfaces, *Applied Mathematics and Computation, 116*(1-2), 181-196.
Takashima, T., K. Masuda, I. Sano, and S. Mukai (2001), Atmospheric correction for the ASTER visible data on Terra satellite, *Advances in Space Research, 28*(1), 177-182.
Takashima, T. (1995), Atmospheric Correction Procedures on ASTER Data and Application to Atmospheric Science Use. *Journal of Remote Sensing Society of Japan, 15,NO.2*, PAGE.120-124.
Takashima, T. and K. Masuda (1996), Operational procedure for atmospheric correction on ASTER-radiance data allowing for the adjacency effect, paper presented at Infrared Spaceborne Remote Sensing IV, Aug 6-7 96, , Denver, CO.
Takashima, T. and K. Masuda (1997), Atmospheric correction in the coastal zone on ASTER visible data allowing for the adjacency effect, paper presented at Infrared spaceborne remote sensing V; Proceedings of the Meeting, San Diego, CA; UNITED STATES; 30 July-1 Aug. 1997, , Society of Photo-Optical Instrumentation Engineers, San Diego, CA.
Takashima, T. and K. Masuda (1997), Atmospheric correction over a composite land and water surface, paper presented at Proceedings of the 1997 IEEE International Geoscience and Remote Sensing Symposium, IGARSS'97. Part 3 (of 4), Aug 3-8 1997, , IEEE, Piscataway, NJ, USA.
Takashima, T. and K. Masuda (1997), The effect of land surface on the radiation emerging from the top of the atmosphere in the coastal zone. *Journal of Remote Sensing Society of Japan, 17,NO.4*, PAGE.311-321. 461

Takashima, T. and K. Masuda (1998), Atmospheric correction over heterogeneous surface on ASTER visible data, paper presented at Infrared spaceborne remote sensing VI; Proceedings of the Conference, San Diego, CA; UNITED STATES; 22-24 July 1998, , Society of Photo-Optical Instrumentation Engineers.
Takashima, T., K. Masuda, I. Sato, and S. Tsuchida (2002), Adjacent effect and cross talk of land surfaces on coastal water in the aster VNIR and SWIR, paper presented at Infrared Spaceborne Remote Sensing X, Jul 10-11 2002, , The International Society for Optical Engineering.
Takashima, T., K. Masuda, I. Sato, and S. Tsuchida (2002), Role of scattering process by atmospheric aerosol in the ASTER SWIR and cross-talk effect, paper presented at Infrared Spaceborne Remote Sensing IX, Aug 1-3 2001, , The International Society for Optical Engineering.
Takatsuki Yukie, Numata Yoichi, S. K. , Y. Awaya, and M. Kato (1998), Methodology for forest mapping using ASTER data.
Takeda Ippei and Y. Y. (2000), Verification of applicability of mineral spectral indices to ASTER SWIR data.
Takeda Ippei and Y. Y. (2002), Development of a lithologic discrimination method for ASTER SWIR data.
Takeda, R. and W. Takeuchi (2010), Towards DTM generation from aster GDEM and SRTM3 in hilly terrain using wavelets, paper presented at 31st Asian Conference on Remote Sensing 2010, ACRS 2010, November 1, 2010 - November 5, 2012, Hanoi, Viet Nam, , Asian Association on Remote Sensing.
Takeda, R. and W. Takeuchi (2011), Utility of wavelet and regression analysis with land cover map for DTM extraction from ASTER GDEM, paper presented at 32nd Asian Conference on 462

Remote Sensing 2011, ACRS 2011, October 3, 2011 - October 7, 2011, Tapei, Taiwan, , Asian Association on Remote Sensing.
Takemata, K., N. Naoe, A. Minamide, and Y. Kawata (2006), The air temperature observation in local city as education resources, paper presented at 2006 IEEE International Geoscience and Remote Sensing Symposium, IGARSS, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Takemata, K., N. Naoe, M. Takemata, Y. Kawata, and A. Minamide (2005), The use of the air temperature observation data as education resources, paper presented at 2005 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2005, Jul 25-29 2005, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Takeuchi Wataru and Y. Y. (2003), Accuracy assessment of geometric correction with Terra ASTER.
Takeuchi Wataru and Y. Y. (2003), Development of normalized vegetation-soil-water indices for remote sensing data.
Takeuchi Wataru and Y. Y. (2004), Development of ASTER data management system on WWW, *Journal of the Japan Society of Photogrammetry and Remote Sensing, 43,NO.4*, PAGE.35-40.
Takeuchi Wataru and Y. Y. (2004), Development of ASTER data management system on WWW.
Takeuchi Wataru and Y. Y. (2005), Development of normalized vegetation, soil and water indices derived from satellite remote sensing data, *Journal of the Japan Society of Photogrammetry and Remote Sensing = Shashin Sokuryo to Rimoto Senshingu, 43*(6), 7-19. 463

Takeuchi Wataru and Y. Y. (2005), Mapping of fractional coverage of paddy fields over East Asia using MODIS data, *Journal of the Japan Society of Photogrammetry and Remote Sensing, 43,NO.6*, PAGE.20-33.
Takeuchi Wataru and Y. Y. (2006), Spatio-temporal Evaluation of a Method to Map Paddy Fields Fractional Coverage, *Journal of Remote Sensing Society of Japan, 26,NO.2*, PAGE.146-153.
Takeuchi Wataru, Y. Y. , and S. Ochi (2003), Accuracy assessment of geometric correction with Terra ASTER . *Journal of the Japan Society of Photogrammetry and Remote Sensing, 42,NO.4*, PAGE.38-41.
Takeuchi Wataru, Y. Y. , and S. Ochi (2003), Land surface temperature map based on spectral mixture analysis between MODIS and ASTER, *Journal of the Japan Society of Photogrammetry and Remote Sensing, 42,NO.5*, PAGE.27-39.
Takeuchi Wataru, Ochi Shiro, and Y. Y. (2002), Accuracy assessment of scaling up technique between Terra MODIS and ASTER data.
Takeuchi Wataru, Ochi Shiro, Y. Y. , and T. Nakano (2001), Estimation of Methane Emission from West Siberian Lowland using ASTER Data.
Takeuchi Wataru, Ochi Shiro, Y. Y. , and T. Nakano (2002), Estimation of Methane Emission from Northern part of West Siberian Lowland by scaling up technique between Terra MODIS and ASTER data.
Takeuchi Yuka, Takagi Naoki, and A. Y. (2004), Surface temperature map with remote sensing data.
Takeuchi, W., T. Nakano, S. Ochi, and Y. Yasuoka (2002), Estimation of methane emission from West Siberian Lowland with sub-pixel land cover characterization, paper presented at 2002 IEEE International Geoscience and Remote Sensing Symposium (IGARSS 2002), Jun 24-28 2002, , Institute of Electrical and Electronics Engineers Inc. 464

Takewaka, S. (2011), Longshore current estimation using ETM+/LANDSAT and ASTER/TERRA data, paper presented at 21st International Offshore and Polar Engineering Conference, ISOPE-2011, June 19, 2011 - June 24, 2011, , International Society of Offshore and Polar Engineers, Maui, HI, United states.
Tan, F., H. S. Lim, and K. Abdullah (2012), The effects of orography in indochina on wind, cloud, and rainfall patterns during Typhoon Ketsana (2009), *Asia-Pac. J. Atmos. Sci., 48*(3), 295-314, doi:http://dx.doi.org/10.1007/s13143-012-0029-z.
Tan, F., H. S. Lim, and K. Abdullah (2011), The impact of the typhoon to peninsular Malaysia on orographic effects, paper presented at 2011 IEEE Symposium on Business, Engineering and Industrial Applications, ISBEIA 2011, September 25, 2011 - September 28, 2011, , IEEE Computer Society, Langkawi, Malaysia.

Tan, Q. and J. Wang (2007), Hyperspectral versus multispectral satellite data for urban land cover and land use mapping - Beijing, An evolving city, paper presented at American Society for Photogrammetry and Remote Sensing, ASPRS Annual Conference 2007: Identifying Geospatial Solutions, May 7, 2007 - May 11, 2007, Tampa, FL, , American Society for Photogrammetry and Remote Sensing.
Tan, Q. and J. Wang (2007), Land cover and land use change detection of Beijing with textural information from satellite remote sensing data, paper presented at 28th Canadian Symposium on Remote Sensing and ASPRS Fall Specialty Conference 2007, , American Society for Photogrammetry and Remote Sensing, Bethesda, MD 20814-2160, United States.
Tanaka Soichiro, F. S. , T. Ishiyama, and H. Muraoka (1996), Vegetation Indices of Arid and Semi Arid Land.
Tanaka Soichiro, F. S. , T. Miura, and S. Tsuchida (1999), Mineral Discrimination with ASTER Data Using Spectral Pattern Analysis and Forecast of the Accuracy Evaluation. *Journal of Remote Sensing Society of Japan, 19,NO.5*, PAGE.382-406. 465

Tanaka, A., K. Iwao, and R. Shibasaki (2007), Extraction of urban area using ASTER imagery and the existing land cover data, paper presented at 28th Asian Conference on Remote Sensing 2007, ACRS 2007, November 12, 2007 - November 16, 2007, Kuala Lumpur, Malaysia, , Asian Association on Remote Sensing.
Tanaka, A., R. Shibasaki, and K. Iwao (2006), A comparative study on classification techniques to extract urbanization area using satellite images, paper presented at 27th Asian Conference on Remote Sensing, ACRS 2006, October 9, 2006 - October 13, 2006; Ulaanbaatar, Mongolia, , Asian Association on Remote Sensing.
Tanaka, Y. (2009), How Grid enables E-science? Design and implementation of the GEO grid, *Synthesiology, 2*(1), 32-41.
Tang, B., H. Wu, C. Li, and Z. Li (2011), Estimation of broadband surface emissivity from narrowband emissivities, *Optics Express, 19*(1), 185-192.
Tang, D., Q. Cheng, and Q. Lou (2009), Spatiotemporal landscape pattern change of Hangzhou Xixi urban wetland growth in China, paper presented at Remote Sensing for Environmental Monitoring, GIS Applications, and Geology IX, August 31, 2009 - September 3, , SPIE, Berlin, Germany.
Tang, S., X. Li, J. Wang, Q. Zhu, and L. Zhang (2007), An improved TES algorithm based on the corrected ALPHA difference spectrum, *Science in China, Series D: Earth Sciences, 50*, 274-282.
Tang, S., L. Zhang, Q. Zhu, and L. Jiang (2005), Validation of an improved TES algorithm based on corrected ALPHA difference spectra, paper presented at 2005 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2005, Jul 25-29 2005, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Tang, S., Q. Zhu, X. Bai, S. Yang, Y. Shuai, and Q. Bu (2004), A TES algorithm based on corrected alpha difference spectra, paper presented at 2004 IEEE International Geoscience 466

and Remote Sensing Symposium Proceedings: Science for Society: Exploring and Managing a Changing Planet. IGARSS 2004, Sep 20-24 2004, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Tang, S., Q. Zhu, and L. Su (2005), Thermal infrared TES algorithm based on corrected ALPHA difference spectrum, *Hongwai Yu Haomibo Xuebao/Journal of Infrared and Millimeter Waves, 24*(4), 286-290.
Tangestani, M. H., N. Mazhari, B. Agar, and F. Moore (2008), Evaluating Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) data for alteration zone enhancement in a semi-arid area, northern Shahr-e-Babak, SE Iran, *Int. J. Remote Sens., 29*(10), 2833-2850.
Tangestani, M. H., L. Jaffari, R. K. Vincent, and B. B. M. Sridhar (2011), Spectral characterization and ASTER-based lithological mapping of an ophiolite complex: A case study from Neyriz ophiolite, SW Iran, *Remote Sensing of Environment, 115*(9), 2243-2254.
Tangestani, M. H., N. Mazhari, and B. Agar (2005), Mapping the porphyry copper alteration zones at the Meiduk area, SE Iran, using the advanced spaceborne thermal emission and reflection radiometer (ASTER) data, paper presented at Remote Sensing for Environmental Monitoring, GIS Applications, and Geology V; Bruges; Belgium; 19-20 Sept. 2005, .
Tanikawa Hiroki, K. S. , N. Hasegawa, and T. Hogen (2005), Study of the Classification of Man-made Forest Based on Satellite Imagery.

Tanikawa, T., T. Aoki, M. Hori, A. Hachikubo, and M. Aniya (2004), Algorithm to retrieve snow grain size using non-spherical ice particles, and its application to Terra/ASTER data, paper presented at The 2004 Conference Japanese Society of Snow and Ice, , Japanese Society of Snow and Ice.
Tantianuparp, P., T. Balz, Teng Wang, Houjun Jiang, Lu Zhang, and Mingsheng Liao (2012), Analyzing the topographic influence for the PS-INSAR processing in the Three Gorges region, 467

paper presented at 2012 IEEE International Geoscience and Remote Sensing Symposium (IGARSS), 22-27 July 2012, Munich, Germany, .
Tao, X., Yang Wu-nian, Liu Han-hu, and Wang Jun-Jang (2007), Automatic digital elevation model (DEM) and orthoimage generation from ASTER image, *Cehui Kexue / Science of Surveying and Mapping, 32*(3), 144-5.
Tapia Calle, C. H., A. S. B. Rolim, and W. Wildner (2004), ASTER mapping image and spectroscopy features of Parana Basin basalts, Rio Grande do Sul, Brasil; Italia 2004; 32nd international geological congress; abstracts, *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 32*, 1326.
Taran, Y. A. (2009), Role of hydrothermal systems in volatile recycling in subduction zones, *Abstracts with Programs - Geological Society of America, 41*(7), 409.
Taranik, D. (2007), Exploring the Earth from space; applications of remote sensing to mineral exploration, paper presented at Geological Society of London, bicentennial conference; earth sciences in the service of society, London, , Geological Society of London, London, United Kingdom (GBR), United Kingdom.
Taranik, J. V. (2001), New applications of remote sensing to mineral exploration; Geological Society of America, 2001 annual meeting, *Abstracts with Programs - Geological Society of America, 33*(6), 347.
Taranik, J. V. and Z. L. Aslett (2009), Development of hyperspectral imaging for mineral exploration, *Reviews in Economic Geology, 16*, 83-95.
Taranik, J. V., M. F. Coolbaugh, and R. G. Vaughan (2009), An overview of thermal infrared remote sensing with applications to geothermal and mineral exploration in the Great Basin, Western United States, *Reviews in Economic Geology, 16*, 41-57. 468

Taranik, J. V., D. A. Mouat, and C. D. Elvidge (1993), Hyperspectral technology for geologic applications, paper presented at Proceedings of the 13th Annual International Geoscience and Remote Sensing Symposium, Aug 18-21 1993, , IEEE, Piscataway, NJ, Tokyo, Japan.
Taranik, J. V. and V. A. Ramos (1998), Aerospace remote sensing for mineral exploration and environmental stewardship; Cordillera de los Andes; geological and mining potential; the new tectonic and metallogenic approach, paper presented at Cordillera de los Andes; geological and mining potential; the new tectonic and metallogenic approach, Mendoza, , GRK Servicios Mineros, Mendoza, Argentina (ARG), Argentina.
Tarantino, E. (2010), Features extraction from multi-date ASTER imagery using a hybrid classification method for land cover transformations, paper presented at 6th International Symposium on Digital Earth: Models, Algorithms, and Virtual Reality, September 9, 2009 - September 12, , SPIE, Beijing, China.
Tarantino, E. (2012), Monitoring spatial and temporal distribution of Sea Surface Temperature with TIR sensor data, *Ital. J. Remote Sens., 44*(1), 97-107, doi:http://dx.doi.org/10.5721/ItJRS20124418.
Tarekegn, T. H., A. T. Haile, T. Rientjes, P. Reggiani, and D. Alkema (2010), Assessment of an ASTER-generated DEM for 2D hydrodynamic flood modeling, *International Journal of Applied Earth Observation and Geoinformation, 12*(6), 457-465, doi:10.1016/j.jag.2010.05.007.
Tarolli, P., J. R. Arrowsmith, and E. R. Vivoni (2009), Understanding earth surface processes from remotely sensed digital terrain models, *Geomorphology, 113*(1-2), 1-3, doi:10.1016/j.geomorph.2009.07.005.
Tarquini, S., S. Vinci, M. Favalli, F. Doumaz, A. Fornaciai, and L. Nannipieri (2011), Release of a 10-m-resolution DEM for the Italian territory: Comparison with global-coverage DEMs and anaglyph-mode exploration via the web, *Computers and Geosciences, 38*(1), 168-170, doi:http://dx.doi.org/10.1016/j.cageo.2011.04.018. 469

Taschner, S. and R. Ranzi (2002), Comparing the opportunities of LANDSAT-TM and ASTER data for monitoring a debris covered glacier in the italian alps within the GLIMS project, paper presented at 2002 IEEE International Geoscience and Remote Sensing Symposium (IGARSS 2002), Jun 24-28 2002, , Institute of Electrical and Electronics Engineers Inc, Toronto, Ont., Canada.

Tatem, A. J., S. J. Goetz, and S. I. Hay (2004), Terra and Aqua: new data for epidemiology and public health, *International Journal of Applied Earth Observation and Geoinformation, 6*(1), 33-46, doi:10.1016/j.jag.2004.07.001.
Teeuw, R. M. (2007), Introducing the remote sensing of hazardous terrain, in *Mapping hazardous terrain using remote sensing,* , vol. 283, edited by R. M. Teeuw, pp. 1-3, London, United Kingdom (GBR), Geological Society of London.
Tefera, B. and G. Sterk (2008), Hydropower-induced land use change in Fincha'a watershed, western Ethiopia: Analysis and impacts, *Mountain Research and Development, 28*(1), 72-80.
Teggi, S., F. Despini, G. Ghermandi, and M. Serafini (2011), Improvement of the spatial resolution of MODIS coastal waters thermal mapping, paper presented at Earth Resources and Environmental Remote Sensing/GIS Applications II, September 20, 2011 - September 22, 2011, , SPIE, Prague, Czech republic.
Teggi, S. (2010), Temperature of coastal waters and of watercourses from ASTER images, *Rivista Italiana Di Telerilevamento, 42*(2), 75-86.
Teggi, S. (2012), A technique for spatial sharpening of thermal imagery of coastal waters and of watercourses, *Int. J. Remote Sens., 33*(10), 3063-3089, doi:http://dx.doi.org/10.1080/01431161.2011.627888.
Teiltet, P. M., G. Fedosejevs, and K. J. Thome (2004), Spectral band difference effects on radiometric cross-calibration between multiple satellite sensors in the Landsat solar-reflective spectral domain, paper presented at Sensors, Systems, and Next-Generation Satellites VIII, 470

Sep 13-15 2004, , International Society for Optical Engineering, Bellingham, WA 98227-0010, United States.
Teixeira, C. G. (2005), Validation of Linear Spectral Mixing Model Applied to TERRA/ASTER Images Using IKONOS Data,.
Tennant, C., B. Menounos, B. Ainslie, J. Shea, and P. Jackson (2012), Comparison of modeled and geodetically-derived glacier mass balance for Tiedemann and Klinaklini glaciers, southern Coast Mountains, British Columbia, Canada, *Global and Planetary Change, 82-83*(3), 74-85, doi:http://dx.doi.org/10.1016/j.gloplacha.2011.11.004.
Teodoro, A. C., A. R. S. Marcal, and F. V. Gomes (2004), Evaluation of total suspended matter concentration in wave breaking zone using multispectral satellite images, paper presented at Remote Sensing of the Ocean and Sea Ice 2004, Sep 13-14 2004, , International Society for Optical Engineering, Bellingham, WA 98227-0010, United States.
Teodoro, A. C., A. R. S. Marcal, and F. Veloso-Gomes (2007), Correlation analysis of water wave reflectance and local TSM concentrations in the breaking zone with remote sensing techniques, *J. Coast. Res., 23*(6), 1491-1497.
Teodoro, A. C., F. Veloso-Gomes, and H. Goncalves (2008), Statistical techniques for correlating total suspended matter concentration with seawater reflectance using multispectral satellite data, *J. Coast. Res., 24*(4C), 40-49.
Teodoro, A. C., F. Veloso-Gomes, and H. Goncalves (2007), Retrieving TSM concentration from multispectral satellite data by multiple regression and artificial neural networks, *IEEE Trans. Geosci. Remote Sens., 45*(5), 1342-1350.
Teodoro, A. C. and F. Veloso-Gomes (2007), Quantification of the total suspended matter concentration around the sea breaking zone from in situ measurements and terra/aster data, *Marine Georesources and Geotechnology, 25*(2), 67-80. 471

Tesfaye, S. (2010), Relay zones; an explanation for the jogs along the eastern Main Ethiopian Rift escarpment, *Abstracts with Programs - Geological Society of America, 42*(5), 269.
Teshima Yu and I. A. (2005), Correction of Terra spacecraft attitude fluctuation using ASTER image.
Teshima, Y. and A. Iwasaki (2008), Correction of attitude fluctuation of terra spacecraft using ASTER/SWIR imagery with parallax observation, *IEEE Trans. Geosci. Remote Sens., 46*(1), 222-227.
Tessema, A., N. Nefale, and D. Sebake (2012), The use of high-resolution airborne magnetic, ASTER and Landsat 7 ETM+ images for identification of kimberlite pipes in the northwestern Free State Province, South Africa, *Int. J. Remote Sens., 33*(14), 4356-4373, doi:http://dx.doi.org/10.1080/01431161.2011.640960.
Tetzlaff, A. (2004), Coal fire quantification using ASTER, ETM and BIRD satellite instrument data, 1-179.

Theilen-Willige, B. (2011), Remote Sensing and GIS Studies of the Hegau Volcanic Area in SW Germany, *Photogramm. Fernerkund. Geoinf.*(5), 361-372, doi:http://dx.doi.org/10.1127/1432-8364/2011/0093.
Themistocleous, K. and H. G. Diofantos (2009), Air pollution monitoring through the application of atmospheric correction for ASTER imagery, paper presented at Remote Sensing for Environmental Monitoring, GIS Applications, and Geology IX, August 31, 2009 - September 3, , SPIE, Berlin, Germany.
Thomas, H. E. and I. M. Watson (2010), Observations of volcanic emissions from space: current and future perspectives, *Nat. Hazards, 54*(2), 323-354, doi:http://dx.doi.org/10.1007/s11069-009-9471-3.
Thomas, J. S. (2009), Volume change of the Tasman Glacier using remote sensing, 67, doi:http://ir.canterbury.ac.nz/handle/10092/2406. 472

Thomas, M., C. Delacourt, P. Davy, L. Moulin, and D. Lague (2008), Optimal detection and quantification of channel variability along braided river; the Hurunui's case (New Zealand), *Geophysical Research Abstracts, 10*, EGU2008-A-05602.
Thomas, M., M. Caccetta, T. Cudahy, and R. Chopping (2010), Remote sensing of mineral systems in the Gawler-Curnamona; a new HyMap-calibrated ASTER mosaic in South Australia, *Abstracts - Geological Society of Australia, 98*, 289.
Thomas, M., C. Laukamp, T. Cudahy, and M. Jones (2008), Flowpaths and drivers; new spectral methods and products for resource and surface materials mapping in Queensland, Australia; methods and applications for industry; New perspectives; the foundations and future of Australian exploration; abstracts for the June 2008 pmd*CRC conference, *Record - Geoscience Australia, 2008/09*, 99-105.
Thome, K. (2005), Sampling and uncertainty issues in trending reflectance-based vicarious calibration results, paper presented at Earth Observing Systems X, Jul 31-Aug 2 2005, , International Society for Optical Engineering, Bellingham WA, WA 98227-0010, United States, San Diego, CA.
Thome, K. (2006), Vicarious calibration of aster backward-looking telescope, paper presented at Earth Observing Systems XI, Aug 14-16 2006, , International Society for Optical Engineering, Bellingham WA, WA 98227-0010, United States.
Thome, K., K. Arai, S. Hook, H. Kieffer, H. Lang, T. Matsunaga, A. Ono, F. Palluconi, H. Sakuma, P. Slater, T. Takashima, H. Tonooka, S. Tsuchida, R. M. Welch, and E. Zalewski (1998), ASTER preflight and inflight calibration and the validation of Level 2 products, *IEEE Trans. Geosci. Remote Sens., 36*(4), 1161-1172.
Thome, K., S. Biggar, and H. J. Choi (2004), Vicarious calibration of Terra ASTER, MISR, and MODIS, paper presented at Earth Observing Systems IX, Aug 2-6 2004, , International Society for Optical Engineering, Bellingham, WA 98227-0010, United States. 473

Thome, K., S. Biggar, and P. Slater (2001), Effects of assumed solar spectral irradiance on intercomparisons of earth-observing sensors, paper presented at Sensors, Systems, and Next-Generation Satellites V, Sep 17-20 2001, , The International Society for Optical Engineering, Toulouse, France.
Thome, K., J. D'Amico, and C. Hugon (2006), Intercomparison of terra ASTER, MISR, and MODIS, and Landsat-7 ETM+, paper presented at 2006 IEEE International Geoscience and Remote Sensing Symposium, IGARSS, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Thome, K., F. Palluconi, K. Arai, S. Hook, H. Tonooka, and S. Tsuchida (2001), In-flight Radiometric Calibration of ASTER,.
Thome, K. J. (1994), Proposed atmospheric correction for the solar-reflective bands of the advanced spaceborne thermal emission and reflection radiometer, paper presented at Proceedings of the 1994 International Geoscience and Remote Sensing Symposium. Part 1 (of 4), Aug 8-12 1994, , IEEE, Piscataway, NJ, USA.
Thome, K. J. (1996), Sensitivity analysis and validation plans for the retrieval of surface reflectance from ASTER (Advanced Spaceborne Thermal Emission and Reflectance Radiometer), paper presented at Earth observing system; Proceedings of the Conference, Denver, CO; UNITED STATES; 3-6 Aug. 1996, , Society of Photo-Optical Instrumentation Engineers, Denver, CO.
Thome, K. J., K. Arai, S. Tsuchida, and S. F. Biggar (2008), Vicarious calibration of ASTER via the reflectance-based approach, *IEEE Trans. Geosci. Remote Sens., 46*(10), 3285-3295.

Thome, K. (2008), Radiometric calibration of the Advanced Spaceborne Thermal Emission and Reflection Radiometer using multiple vicarious methods, *37th COSPAR Scientific Assembly, 37*, 3179. 474

Thome, K. J. (1995), EOS contract report #48; Semiannual Report, July 1 - December 31, 1995, *NASA-CR-200075*, 1-20.
Thome, K. J. and D. O. Starr (2004), Vicarious Calibration of VNIR/SWIR Bands of ASTER,.
Thompson, D. R., W. Johnson, and R. Kremens (2012), Multiple-Frame Subpixel Wildfire Tracking, *Ieee Geoscience and Remote Sensing Letters, 9*(4), 639-643, doi:http://dx.doi.org/10.1109/LGRS.2011.2177240.
Thompson, D., G. Tootle, G. Kerr, R. Sivanpillai, and L. Pochop (2011), Glacier Variability in the Wind River Range, Wyoming, *J. Hydrol. Eng., 16*(10), 798-805, doi:http://dx.doi.org/10.1061/(ASCE)HE.1943-5584.0000384.
Thorne, K., F. Palluconi, T. Takashima, and K. Masuda (1998), Atmospheric correction of ASTER, *IEEE Trans. Geosci. Remote Sens., 36*(4), 1199-1211.
Thurmond, A. K., M. Abdel-Salam, Z. Yin, A. Hassanipak, and A. M. Ghazi (2002), Structural Analysis of the Khoy Ophiolite, NW Iran from ASTER Imagery, *22*, 04.
Thurmond, A. K., M. G. Abdelsalam, and J. B. Thurmond (2006), Optical-radar-D EM remote sensing data integration for geological mapping in the Afar Depression, Ethiopia, *J. Afr. Earth Sci., 44*(2), 119-134.
Thurmond, A. K., R. J. Stern, and M. G. Abdelsalam (2001), Fusion of Landsat-TM, ASTER and SIR-C/X-SAR remote sensing data; application for understanding structural controls on the Cataract Nile, northern Sudan; Geological Society of America, 2001 annual meeting, *Abstracts with Programs - Geological Society of America, 33*(6), 289.
Thurmond, A. K., J. B. Thurmond, and M. G. Abdelsalam (2003), Effective algorithms for remote sensing data integration as applied to geological studies; examples from the Afar Depression, Ethiopia; Geological Society of America, South-Central Section, 37th annual meeting; Geological Society of America, Southeastern Section, 52nd annual meeting, *Abstracts with Programs - Geological Society of America, 35*(1), 65-66. 475

Thurmond, A. K. (2002), Understanding the structural control of the Nile through the Batn El Hajar region, northern Sudan using remote sensing imagery, 93.
Thurmond, A. K. and M. G. Abdelsalam (2002), ASTER-RADARSAT-DTED data integration for 3D illustration of the Afar Depression, Ethiopia; Geological Society of America, 2002 annual meeting, *Abstracts with Programs - Geological Society of America, 34*(6), 453.
Tian, M., Q. Chang, and B. Feng (2012), A SRTM null patching method using ASTER data fusion, *Science of Surveying and Mapping; Cehui Kexue / Science of Surveying and Mapping, 37*(2), 86-87, 102.
Tian, Q., F. Hui, and Y. Weng (2004), ETM+ Remote Sensing Fusion Evaluation Using ASTER Data, *Remote sensing Technology and Application, 19*(6), 488-492.
Tiangco, M., A. M. F. Lagmay, and J. Argete (2008), ASTER-based study of the night-time urban heat island effect in Metro Manila, *Int. J. Remote Sens., 29*(10), 2799-2818.
Timmermans, J., W. Verhoef, C. van der Tol, and Z. Su (2009), Retrieval of canopy component temperatures through Bayesian inversion of directional thermal measurements, *Hydrology and Earth System Sciences, 13*(7), 1249-1260.
Timmons, J. M. and R. L. Nusbaum (2001), Remote mapping of lava vesicularity at Medicine Lake Volcano (CA) using MODIS/ASTER airborne simulator data; Geological Society of America, Southeastern Section, 50th annual meeting, *Abstracts with Programs - Geological Society of America, 33*(2), 77.
Tiwari, R. K., R. P. Gupta, R. Gens, and A. Prakash (2012), Use of optical, thermal and microwave imagery for debris characterization in Bara-Shigri glacier, Himalayas, India, paper presented at 2012 IEEE International Geoscience and Remote Sensing Symposium (IGARSS), 22-27 July 2012, Munich, Germany, .
Tkacik, D. S., Y. Luna-Cruz, N. Clinton, S. Spak, and J. Ryan (2012), Atmospheric correction for MASTER image data using localized modelled and observed meteorology and trace gases, 476

Remote Sensing Letters, 3(3), 201-209, doi:http://dx.doi.org/10.1080/01431161.2010.551550.

To, P. H., J. Nichol, and R. Tse (2011), Temporal characteristics of thermal satellite images for urban climate study, paper presented at 2011 Joint Urban Remote Sensing Event (JURSE), , Munich, Germany.
Tobita Yosuke, Saito Hiroyuki, and I. Y. (2004), Geometric Accuracy of ASTER level 1b data with due consideration on pointing angle and relief displacement.
Tomlinson, C. J., L. Chapman, J. E. Thornes, and C. Baker (2011), Remote sensing land surface temperature for meteorology and climatology: a review, *Meteorol. Appl., 18*(3), 296-306, doi:10.1002/met.287.
Tonolli, S., M. Dalponte, M. Neteler, M. Rodeghiero, L. Vescovo, and D. Gianelle (2011), Fusion of airborne LiDAR and satellite multispectral data for the estimation of timber volume in the Southern Alps, *Remote Sens. Environ., 115*(10), 2486-2498, doi:10.1016/j.rse.2011.05.009.
Tonooka Hideyuki and H. T. (1997), Error Analysis of The Multipixel Method using Simulation Data by the multichannel method.
Tonooka Hideyuki, H. T. , and S. Rokugawa (1994), Simple Estimation Method of Atmospheric Correction Parameters in ASTER /TIR Data.
Tonooka Hideyuki, H. T. , and S. Rokugawa (1998), Evaluation of Effects of Surface Emissivity on Split Window Method and Its Extensions based on Simulation. *Journal of Remote Sensing Society of Japan, 18,NO.4*, PAGE.317-329.
Tonooka Hideyuki and K. K. (2006), Generation of ASTER nighttime cloud mask using MODIS cloud mask product.
Tonooka Hideyuki and M. T. (2005), Application of Adaptive Bayesian Contextual Classifier to ASTER /VNIR imagery. 477

Tonooka Hideyuki and Y. N. (2005), Straylight effects in hot spot analyses by ASTER /TIR-Case study for Mts. St. Helens and Iwate-.
Tonooka Hideyuki, Fukuda Masaki, and H. T. (2001), Generation of ASTER /SWIR and TIR spectral images with the spatial resolution of 15 meter.
Tonooka Hideyuki, Shinoda Takashi, and H. S. (2004), Generation of ASTER synthetic blue-band image by Regression Variable Substitution method with MODIS data.
Tonooka Hideyuki, Watanabe Akira, and M. T. (2005), Field measurement of thermal infrared band emissivity on frozen Lake Kussharo.
Tonooka, H. (2008), ASTER nighttime cloud mask database using MODIS cloud mask (MOD35) products, paper presented at Remote Sensing of Clouds and the Atmosphere XIII, , SPIE - The International Society for Optical Engineering.
Tonooka, H. (1999), Atmospheric Correction Algorithm with NCEP/GDAS Products in the Thermal Infrared Region. Validation Using AVHRR Data around Japan. *Journal of Remote Sensing Society of Japan, 19,NO.4*, PAGE.304-319.
Tonooka, H. (2000), Introduction of Water Vapor Dependent Coefficients to Multichannel Algorithms. *Journal of Remote Sensing Society of Japan, 20,NO.2*, PAGE.137-148.
Tonooka, H. (2001), An atmospheric correction algorithm for thermal infrared multispectral data over land - A water-vapor scaling method, *IEEE Trans. Geosci. Remote Sens., 39*(3), 682-692.
Tonooka, H. (2002), Accurate atmospheric correction of ASTER /TIR by Water Vapor Scaling method.
Tonooka, H. (2002), Two methods for sharpening ASTER SWIR/TIR imagery.
Tonooka, H. (2003), Probability of snow/ice monitoring by thermal infrared emissivity spectra. 478

Tonooka, H. (2004), Analysis and correction of stray light in ASTER /TIR imagery.
Tonooka, H. (2005), Accurate atmospheric correction of ASTER thermal infrared imagery using the WVS method, *IEEE Trans. Geosci. Remote Sens., 43*(12), 2778-2792.
Tonooka, H. (2005), Atmospheric correction of MODIS thermal infrared bands by water vapor scaling method, paper presented at Remote Sensing of Clouds and the Atmosphere X, Sep 19-21 2005, , International Society for Optical Engineering, Bellingham WA, WA 98227-0010, United States, Bruges, Belgium.
Tonooka, H. (2005), Inflight straylight analysis for ASTER thermal infrared bands, *IEEE Trans. Geosci. Remote Sens., 43*(12), 2752-2762.
Tonooka, H. (2005), Resolution enhancement of ASTER shortwave and thermal infrared bands based on spectral similarity, paper presented at Image Processing and Pattern Recognition in Remote Sensing II, Nov 8-9 2004, , International Society for Optical Engineering, Bellingham, WA 98227-0010, United States.

Tonooka, H., K. Arai, S. Tsuchida, Y. Yamaguchi, and T. Kawakami (1998), Evaluation of applicability of NCEP/GDAS data to thermal infrared radiative transfer calculation based on the radiosonde observations in south Ibaraki, Dec., 1997.
Tonooka, H. and M. Hirayama (2010), Water surface temperature retrieval for a small lake using ASTER thermal infrared data, paper presented at 2010 30th IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2010, July 25, 2010 - July 30, , Institute of Electrical and Electronics Engineers Inc, Honolulu, HI.
Tonooka, H. and M. Hirayama (2011), Development of Japanese inland water surface temperature database using ASTER thermal infrared imagery, paper presented at Remote Sensing for Agriculture, Ecosystems, and Hydrology XIII, September 19, 2011 - September 21, 2011, , SPIE, Prague, Czech republic. 479

Tonooka, H., S. J. Hook, T. Matsunaga, S. Kato, E. Abbott, and H. Tan (2011), ASTER/TIR vicarious calibration activities in the last 11 years, paper presented at 2011 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2011, July 24, 2011 - July 29, 2011, , Institute of Electrical and Electronics Engineers Inc, Vancouver, BC, Canada.
Tonooka, H. and A. Iwasaki (2002), Band-to-band multiple crosstalk in ASTER /SWIR imagery.
Tonooka, H. and A. Iwasaki (2004), Improvement of ASTER/SWIR crosstalk correction, paper presented at Sensors, Systems and Next-Generation Satellites VII, Sep 8-10 2003, , International Society for Optical Engineering, Bellingham, WA 98227-0010, United States.
Tonooka, H. and K. Kondo (2007), Comparison of surface emissivity ratio and surface wind environment in Dry Valley, Antarctica, paper presented at 28th Asian Conference on Remote Sensing 2007, ACRS 2007, November 12, 2007 - November 16, 2007, Kuala Lumpur, Malaysia, , Asian Association on Remote Sensing.
Tonooka, H. and T. Minomo (2005), A method for object-based change detection using middle-resolution satellite imagery and GIS, paper presented at 26th Asian Conference on Remote Sensing, ACRS 2005 and 2nd Asian Space Conference, ASC, November 7, 2005 - November 11, 2005, Ha Noi, Viet nam, , Asian Association on Remote Sensing.
Tonooka, H. and T. Muneta (2006), A study on impact of band-to-band misregistration on ASTER TIR products, paper presented at 27th Asian Conference on Remote Sensing, ACRS 2006, October 9, 2006 - October 13, 2006; Ulaanbaatar, Mongolia, , Asian Association on Remote Sensing.
Tonooka, H., K. Omagari, H. Yamamoto, T. Tachikawa, M. Fujita, and Z. Paitaer (2010), ASTER cloud coverage reassessment using MODIS cloud mask products, paper presented at Earth Observing Missions and Sensors: Development, Implementation, and Characterization, October 13, 2010 - October 14, , SPIE, Incheon, Korea, Republic of. 480

Tonooka, H., F. Palluconi, K. Arai, T. Matsunaga, S. Rokugawa, and M. Kato (2000), Field Experiment in Tsukuba Test Site for ASTER Vicarious Calibration (Thermal Infrared Radiometer). *Journal of Remote Sensing Society of Japan, 20,NO.1*, PAGE.63-70.
Tonooka, H., F. Palluconi, T. Matsunaga, M. Moriyama, H. Fukasawa, K. Arai, S. Tsuchida, and Y. Yamaguchi (2000), Early results from the inflight vicarious calibration of ASTER (thermal infrared radiometer).
Tonooka, H., F. Palluconi, T. Matsunaga, M. Shoji, and K. Arai (2001), Early Results from the Vicarious Calibration Activities for ASTER /TIR in Japan. *Journal of Remote Sensing Society of Japan, 21,NO.5*, PAGE.440-448.
Tonooka, H. and F. Palluconi (2001), Early Validation Results for the Atmospheric Correction Algorithum of ASTER TIR, paper presented at Proceedings of the CEReS international symposium on remote sensing of the atmosphere and validation of satellite data, .
Tonooka, H. and F. D. Palluconi (2002), Verification of the ASTER/TIR atmospheric correction algorithm based on water surface emissivity retrieved, paper presented at Infrared Spaceborne Remote Sensing IX, Aug 1-3 2001, , The International Society for Optical Engineering.
Tonooka, H. and F. D. Palluconi (2005), Validation of ASTER/TIR standard atmospheric correction using water surfaces, *IEEE Trans. Geosci. Remote Sens., 43*(12), 2769-2777.
Tonooka, H., F. D. Palluconi, S. J. Hook, and T. Matsunaga (2005), Vicarious calibration of ASTER thermal infrared bands, *IEEE Trans. Geosci. Remote Sens., 43*(12), 2733-2745.
Tonooka, H., Rokugawa Shuichi, and I. Y. (1993), Influences of Atmospheric Correction Error and Its Reduction Method in Temperature and Emissivity Separation. *Journal of Remote Sensing Society of Japan, 13,NO.3*, PAGE.229-239.

Tonooka, H. and S. Rokugawa (1994), Accuracy of Surface Temperature and Spectral Emissivity Estimated by Thermal Infrared Multispectral Scanner. 481

Tonooka, H., F. Sakuma, M. Kudoh, and K. Iwafune (2004), ASTER/TIR onboard calibration status and user-based recalibration, paper presented at Sensors, Systems, and Next-Generation Satellites VII; Barcelona, Spain; Sep. 8-10, 2003, .
Tonooka, H. and M. Urai (2009), East-Asia land surface emissivity maps generated from Terra/ASTER data archives, paper presented at Remote Sensing for Environmental Monitoring, GIS Applications, and Geology IX, August 31, 2009 - September 3, , SPIE, Berlin, Germany.
Tonooka, H. and A. Watanabe (2005), Applicability of thermal infrared surface emissivity ratio for snow/ice monitoring, paper presented at Multispectral and Hyperspectral Remote Sensing Instruments and Applications II, Nov 9-11 2004, , International Society for Optical Engineering, Bellingham, WA 98227-0010, United States.
Tonooka, H., A. Watanabe, and T. Minomo (2005), ASTER/TIR vicarious calibration and band emissivity measurements on frozen lake, paper presented at Remote Sensing for Environmental Monitoring, GIS Applications, and Geology V, Sep 19-20 2005, , International Society for Optical Engineering, Bellingham WA, WA 98227-0010, United States, Bruges, Belgium.
Toomey, M. P. and L. A. Vierling (2006), Estimating equivalent water thickness in a conifer forest using Landsat TM and ASTER data: A comparison study, *Canadian Journal of Remote Sensing, 32*(4), 288-299.
Toomey, M. and L. A. Vierling (2005), Multispectral remote sensing of landscape level foliar moisture: Techniques and applications for forest ecosystem monitoring, *Canadian Journal of Forest Research, 35*(5), 1087-1097.
Topan, H., D. Maktav, K. Jacobsen, and G. Buyuksalih (2009), Information content of optical satellite images for topographic mapping, *Int. J. Remote Sens., 30*(7), 1819-1827, doi:10.1080/01431160802642271. 482

Torahi, A. A. and S. C. Rai (2011), Land Cover Classification and Forest Change Analysis, Using Satellite Imagery - A Case Study in Dehdez Area of Zagros Mountain in Iran, *Journal of Geographic Information System, 3*(1), 1-11, doi:http://dx.doi.org/10.4236/jgis.2011.31001.
Tork, K. and B. Gurcay (2008), Interpretation of karst landforms by ASTER data, *Geophysical Research Abstracts, 10*, EGU2008-A-11184.
Tornabene, L. L., G. R. Osinski, J. E. Moersch, and P. Lee (2004), Remote Sensing of the Haughton Impact Structure (HIS): A Terrestrial Proof of Concept for Using the Remote Sensing of Martian Craters as a Probe of Subsurface Composition, paper presented at Lunar and Planetary Science XXXV: Mars: Radar, Gamma Ray Spectrometer, and Cratering Mineralogy, .
Tornabene, L. L., J. E. Moersch, G. R. Osinski, P. Lee, and S. P. Wright (2005), Spaceborne visible and thermal infrared lithologic mapping of impact-exposed subsurface lithologies at the Haughton impact structure, Devon Island, Canadian High Arctic; applications to Mars, *Meteoritics & Planetary Science, 40*(12), 1835-1858.
Torok Oance, M. F., F. M. Ardelean, A. L. Onaca, M. Voiculescu, and P. Urdea (2010), The evaluation of different types of digital elevetion models for geomorphological applications in mountain areas, paper presented at Annals of DAAAM for 2010 & Proceedings of the 21st International DAAAM Symposium "Intelligent Manufacturing & Automation: Focus on Interdisciplinary Solutions", , DAAAM International.
Torres Pulliza, D. (2004), A multi-sensor comparison for coral reef habitat mapping: A case study using a tropical patch reef environment in Biscayne National Park, Florida, *MAI, 43*(04), 73-1401.
Torres, R., P. Mouginis-Mark, S. Self, H. Garbeil, K. Kallianpur, and R. Quiambao (2004), Monitoring the evolution of the Pasig-Potrero alluvial fan, Pinatubo Volcano, using a decade of remote sensing data, *J. Volcanol. Geotherm. Res., 138*(3-4), 371-392, doi:10.1016/j.jvolgeores.2004.08.005. 483

Tosi, L., F. Rizzetto, M. Zecchin, G. Brancolini, and L. Baradello (2009), Morphostratigraphic framework of the Venice Lagoon (Italy) by very shallow water VHRS surveys; evidence of radical changes triggered by human-induced river diversions, *Geophys. Res. Lett., 36*(9), @Citation L09406, doi:10.1029/2008GL037136.
Toutin, T. (2008), ASTER DEMs for geomatic and geoscientific applications: a review, *Int. J. Remote Sens., 29*(7), 1855-1875.

Toutin, T. (2001), DEM generation from new VIR sensors: IKONOS, ASTER and Landsat-7, paper presented at 2001 International Geoscience and Remote Sensing Symposium (IGARRS 2001), Jul 9-13 2001, , Institute of Electrical and Electronics Engineers Inc.
Toutin, T. (2002), Three-dimensional topographic mapping with ASTER stereo data in rugged topography, *IEEE Trans. Geosci. Remote Sens., 40*(10), 2241-2247.
Toutin, T. (2004), Spatiotriangulation with multisensor VIR/SAR images, *IEEE Trans. Geosci. Remote Sens., 42*(10), 2096-2103.
Toutin, T. and P. Cheng (2002), Comparison of automated digital elevation model extraction results using along-track ASTER and across-track SPOT stereo images, *Optical Engineering, 41*(9), 2102-2106.
Toutin, T., R. Chenier, and Y. Carbonneau (2003), Multi Sensor Block Adjustment, paper presented at 2003 IGARSS: Learning From Earth's Shapes and Colours, Jul 21-25 2003, , Institute of Electrical and Electronics Engineers Inc.
Toutin, T., C. Schmitt, E. Berthier, and D. Clavet (2011), DEM generation over ice fields in the Canadian Arctic with along-track SPOT5 HRS stereo data, *Can. J. Remote Sens., 37*(4), 429-438, doi:http://dx.doi.org/10.5589/m11-052.
Tovinkere, V. R., M. Penaloza, A. Logar, J. Lee, R. C. Weger, T. A. Berendes, and R. M. Welch (1993), An Intercomparison of Artificial-Intelligence Approaches for Polar Scene Identification, *Journal of Geophysical Research-Atmospheres, 98*(D3), 5001-5016. 484

Townshend, J. (2008), Recent North American Forest Dynamics via Integration of ASTER, MODIS, and Landsat Reflectance Data, 11.
Tralli, D. M., R. G. Blom, V. Zlotnicki, A. Donnellan, and D. L. Evans (2005), Satellite remote sensing of earthquake, volcano, flood, landslide and coastal inundation hazards, *ISPRS Journal of Photogrammetry and Remote Sensing, 59*(4), 185-198.
Trevino, L. and G. R. Keller (2001), The North and South Park basins of central Colorado; an integrated geophysical study; Geological Society of America, Rocky Mountain Section, 53rd annual meeting; Geological Society of America, South-Central Section, 35th annual meeting, *Abstracts with Programs - Geological Society of America, 33*(5), 61.
Trinh Trong, P., V. Hoang Quang, and D. Trinh Hai (2003), Advance technology of remote sensing, GIS and GPS for seismic hazard assessment, *International Union of Geodesy and Geophysics General Assembly = Union Geodesique et Geophysique Internationale Comptes Rendus de la ...Assemblee Generale, 2003, Week 2*, B.25, doi:http://www.jamstec.go.jp/jamstec-e/iugg/htm/abstract/abst/jsg03/015386-2.html.
Troisi, V., G. Scharfen, B. Raup, S. S. Khalsa, R. Swick, I. Wang, R. Barry, and M. Dyurgerov (2002), Readiness of the Global Land Ice Measurements from Space (GLIMS) Database at NSIDC, *11*, 0972.
Trouye, E., G. Vasile, M. Gay, L. Bombrun, P. Grussenmeyer, T. Landes, J. M. Nicolas, P. Bolon, I. Petillot, A. Julea, L. Valet, J. Chanussot, and M. Koehl (2007), Combining airborne photographs and spaceborne SAR data to monitor temperate glaciers: Potentials and limits, *IEEE Trans. Geosci. Remote Sens., 45*(4), 905-924.
Troyo, A., D. O. Fuller, O. Calderon-Arguedas, and J. C. Beier (2008), A geographical sampling method for surveys of mosquito larvae in an urban area using high-resolution satellite imagery, *Journal of Vector Ecology, 33*(1), 1-7. 485

Trung, N. V., J. Choi, and J. Won (2010), Fusion of alos palsar and aster data for landcover classification at tonlesap floodplain, Cambodia, paper presented at 31st Asian Conference on Remote Sensing 2010, ACRS 2010, November 1, 2010 - November 5, 2012, Hanoi, Viet Nam, , Asian Association on Remote Sensing.
Trunk, L. and A. Bernard (2008), Investigating crater lake warming using ASTER thermal imagery: Case studies at Ruapehu, Poas, Kawah Ijen, and Copahue Volcanoes, *J. Volcanol. Geotherm. Res., 178*(2), 259-270.
Tsombos, P. I., K. G. Nikolakopoulos, A. Photiades, and K. Psonis (2007), Updating the 1:50.000 geological maps of Rhodes Island using remote sensing data and GIS techniques, paper presented at Remote Sensing for Environmental Monitoring, GIS Applications, and Geology VII, , SPIE, Bellingham WA, WA 98227-0010, United States.
Tsu, H. and A. B. Kahle (1995), The advanced spaceborne thermal emission and reflection radiometer (ASTER); AGU 1995 fall meeting, *EOS Trans. Am. Geophys. Union, 76*(46), 132.

Tsu, H. and A. B. Kahle (1993), Overview of aster project in EOS program, paper presented at Proceedings of the 13th Annual International Geoscience and Remote Sensing Symposium IGARSS'93, Aug 18-21 1993, , Publ by IEEE, Piscataway, NJ, USA.
Tsu, H., Y. Miyazaki, and I. Sato (1994), Current status and science objectives of ASTER project, *Advances in Space Research, 14*(3), 5; p. (3)141-(3)145.
Tsu, H., Y. Yamaguchi, H. Fujisada, A. B. Kahle, I. Sato, M. Kato, H. Watanabe, M. Kudoh, and M. Pniel (2001), ASTER early science outcome and operation status, paper presented at Sensors, Systems, and Next-Generation Satellites IV, Sep 25-28 2000, , Society of Photo-Optical Instrumentation Engineers.
Tsu, H. (1991), EOS project and ASTER (ITIR), paper presented at Earth Resources Satellite Data Analysis Center, Proceedings of the 3rd International Symposium: JERS-1 and Remote Sensing in the Future, . 486

Tsu, H. (1992), Outline of ASTER project. *Promoting Machine Industry in Japan, 25,NO.9*, PAGE.36-41.
TSU, H. (1996), MITI's Earth Observing Projects, *Journal of the Society of Instrument and Control Engineers, 35*(9), 665-668, doi:https://www.jstage.jst.go.jp/article/sicejl1962/35/9/35_9_665/_article.
Tsu, H., H. Fujisada, Y. Yamaguchi, M. Kudo, M. Kato, and H. Watanabe (2002), Overview of ASTER instrument and ASTER data product, paper presented at Infrared Spaceborne Remote Sensing IX, Aug 1-3 2001, , The International Society for Optical Engineering.
Tsu, H. and A. B. Kahle (1995), Overview of ASTER Project. *Journal of Remote Sensing Society of Japan, 15,NO.2*, PAGE.94-99.
Tsu, H., Y. Yamaguchi, H. Fujisada, I. Sato, Kato Masatane, Watanabe Hiroshi, M. Y. , and M. Kudo (2000), ASTER early images and current operation status.
Tsu, H., Y. Yamaguchi, and A. B. Kahle (1996), ASTER science mission overview, paper presented at Infrared Spaceborne Remote Sensing IV, Aug 6-7 96, .
Tsuchida, S. (1998), Snow BRDF effects on vicarious and cross calibrations of ASTER, paper presented at Proceedings of the 1998 Conference on Sensors, Systems, and Next-Generation Satellites II, Sep 21-24 1998, , SPIE, Bellingham, WA, USA.
Tsuchida, S., K. Arai, S. Machida, and T. Takashima (1996), The Field Experiment for the ASTER Vicarious Calibration in the Visible to Infrared region (1).
Tsuchida, S., F. Sakuma, A. Iwasaki, N. Ogi, and H. Inada (2005), Degradation models and functions for ASTER /VNIR sensor.
Tsuchiya, K. and M. Kaneko (2002), Comparison of the vegetation index computed from modis, AVHRR and ASTER data over Hokkaido, Japan BUHEAOSIEN, paper presented at COSPAR, Plenary Meeting, . 487

Tsuiki, M. (2004), Study on the dynamics of public pasture using satellite data and geographic information systems, 平成*/Heisei, 12-15*, 62, doi:http://jairo.nii.ac.jp/db/detail-en?sid=0031/00004135.
Tsuru, T., A. Okuda, T. No, Y. Kaneda, and K. Tamaki (2008), Subsurface structure of the Myojin Knoll pumiceous volcano obtained from multichannel seismic reflection data, *Earth, Planets and Space, 60*(7), 721-726.
Tsushima Kuniyuki and S. Y. (2004), Preliminary study for the estimation of underwater forest distribution in Hiroshima Bay using ASTER data.
Tulaczyk, S. (2007), Coastal Greenland Ice Sheet Elevation: Digital Elevation Mapping using Aster Data, *NNX08AD31G*, 9.
Tuohy, M. (2011), Braided river dynamics determined using satellite imagery — Upper Rakaia River, Canterbury, New Zealand, paper presented at 2011 6th International Workshop on the Analysis of Multi-temporal Remote Sensing Images (Multi-Temp), 12-14 July 2011, , IEEE, Trento, Italy.
Turgeon, D. H. and R. L. Nusbaum (2002), Remote 3-D mapping of Lassen volcanic center, California; Geological Society of America, Southeastern Section, 51st annual meeting; Geological Society of America, North-Central Section, 36th annual meeting, *Abstracts with Programs - Geological Society of America, 34*(2), 48.
Turpie, K. R. (2007), Remote Sensing of Coastal Marsh Vegetation Structure using Multi-angle Imaging, *EOS Transactions, American Geophysical Union, 88*(52,; Suppl. Volume 1-2).

Turquety, S., C. Clerbaux, P. Coheur, D. Hurtmans, K. W. Bowman, and H. M. Worden (2006), Measurements of SO2 profiles in volcanic plumes using high-resolution infrared observations from satellite, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.), Abstract V43E-07. 488

Tuttle, E. M., R. R. Jensen, V. A. Formica, and R. A. Gonser (2006), Using remote sensing image texture to study habitat use patterns: a case study using the polymorphic white-throated sparrow (Zonotrichia albicollis), *Global Ecol. Biogeogr., 15*(4), 349-357.
Tutubalina, O. (2007), Space-borne detection of glacial lakes in the Russian Central Caucasus, paper presented at Earth; our changing planet; proceedings of IUGG XXIV general assembly, Perugia, ITA, Italy, July 2-13, 2007, , IUGG, [location varies], International (III).
U. S. Geological Survey (2008), TerraLook; GIS-ready time-series of satellite imagery for monitoring change, *FS 2008-3024*, 1-2.
U. S. Geological Survey, United States (USA) (2007), Ghana watershed prototype products, *FS 2007-3095*, 2.
Ubeda, J., D. Palacios, and L. Vazquez (2009), Reconstruction of equilibrium line altitudes of Nevado Coropuna glaciers (southern Peru) from the Late Pleistocene to the present, *Geophysical Research Abstracts, 11*, EGU2009-8067-2.
Ubul, G., J. Ding, and A. Ruzi (2008), A quantitative analysis of the grassland landscape pattern in arid oasis: a case study in the Qira, paper presented at Geoinformatics 2008 and Joint Conference on GIS and Built Environment: Monitoring and Assessment of Natural Resources and Environments, , SPIE - The International Society for Optical Engineering.
Uchida Kiyotaka, Tanaka Soichiro, Y. Y. , T. Ishiyama, and M. Kato (1999), Estimation of vegetation index distribution in arid and semi arid land based on ASTER data.
Uchida, K., Y. Ninomiya, M. Kaku, and T. Inoue (1996), Development of ASTER spectral database for remote sensing users; 30th international geological congress; abstracts, *International Geological Congress, Abstracts--Congres Geologique Internationale, Resumes, 30*, 447.
Ueda, K., K. Okada, Cudahy T J, R. D. Hewson, and M. Shoji (2003), Mineral mapping from complementary use of ASTER and HyMap sensor in the Broken Hill area, Australia. 489

Ueno, M., T. Shiraishi, M. Kawai, Y. Yoneda, M. Kimata, and M. Nunoshita (1995), PtSi Schottky-barrier infrared focal plane array for ASTER/SWIR, paper presented at Infrared Spaceborne Remote Sensing III, Jul 12-14 1995, , Society of Photo-Optical Instrumentation Engineers, Bellingham, WA, USA.
Ukawa, K. and K. Kato (2006), Relationship between Avian Diversity in Middle and Large Woodlots in Urban Areas and their Surrounding Environment, *Randosukepu Kenkyu, 69,NO.5*, PAGE.533-536.
Ukawa, K. and K. Katoh (2006), Relationship between avian diversity in middle and large woodlots in urban areas and their surrounding environment, paper presented at JILA the 24th Scientific Research Meeting, , Japanese Institute of Landscape Architecture.
Ukawa, K. and K. Katoh (2007), A case study on relationship between environmental conditions in urban woodlots and the surrounding areas and bird communities, paper presented at **JILA Annual Scientific Research Meeting**, , Japanese Institute of Landscape Architecture.
Ukawa, K., Okazaki Juri, K. K. , H. Momose, N. Fujiwara, and M. Matsue (2005), A Case Study on Avian Distribution Models Using Land Cover Map Derived from Satellite Imagery, *Journal of the Japanese Institute of Landscape Architecture, 68,NO.5*, PAGE.593-596.
Ukawa, K., J. Okazaki, K. Katoh, H. Momose, N. Fujiwara, and M. Matsue (2005), A case study on avian distribution models using land cover map dervived from satllite imagery, paper presented at JILA the 23th Scientific Research Meeting, , Japanese Institute of Landscape Architecture.
Ul-Hadi, S., S. Khan, L. Owen, and A. S. Khan (2010), Geomorphic response to an active transpressive regime; a case study along the Chaman strike-slip fault, western Pakistan, *Abstracts with Programs - Geological Society of America, 42*(5), 620, doi:https://gsa.confex.com/gsa/2010AM/finalprogram/abstract_179073.htm. 490

Ulusoy, I., P. Labazuy, E. Aydar, O. Ersoy, and E. Cubukcu (2008), Structure of the Nemrut caldera (Eastern Anatolia, Turkey) and associated hydrothermal fluid circulation, *J. Volcanol. Geotherm. Res., 174*(4), 269-283.
Ulusoy, I. (2008), Volcano-tectonic investigation of Nemrut Volcano and determination of its natural risk potential, *Ecole Doctorale des Sciences Fondamentales, 577*, 231.

Ulusoy, I., P. Labazuy, and E. Aydar (2012), STcorr: An IDL code for image based normalization of lapse rate and illumination effects on nighttime TIR imagery, *Comput. Geosci., 43*, 63-72, doi:http://dx.doi.org/10.1016/j.cageo.2012.02.012.
Umitsu, M. (2004), Landform Classification with GIS and SRTM Data, paper presented at Proceedings of the General Meeting of the Association of Japanese Geographers, , Association of Japanese Geographers.
Unema, J. (2011), Water-magma interaction and plume processes in the 2008 Okmok eruption, 315.
Unrau, R. T. (2009), Synthetic aperture radar (SAR) as a tool for mapping remote geology as applied to the Belcher Islands, Nunavut, Canada, 1-55.
Urabe Rika and M. M. (1998), Mineral identification using the spectral database.
Urai, M. (2001), Volcano observation with ASTER,.
Urai, M. (2005), Monitoring submarine volcano with satellite remote sensing, *EOS Trans. Am. Geophys. Union, 86*(52, Suppl.), @Abstract G11A-1176.
Urai, M. (2006), Lava effusion rate estimated from remotely sensed thermal anomaly at Merapi volcano, Indonesia, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.), Abstract V43B-1788. 491

Urai, M., N. Geshi, and T. Staudacher (2007), Size and volume evaluation of the caldera collapse on Piton de la Fournaise Volcano during the April 2007 eruption by ASTER stereo imaging function, *EOS Trans. Am. Geophys. Union, 88*(52, Suppl.), Abstract V24B-03-03.
Urai, M., N. Geshi, and T. Staudacher (2007), Size and volume evaluation of the caldera collapse on Piton de la Fournaise volcano during the April 2007 eruption using ASTER stereo imagery, *Geophys. Res. Lett., 34*(22), L22318-L22318.
Urai, M. (1995), Potential of ASTER for active volcano observations.
Urai, M. (1998), Possibility of volcanic gas(SO2) detection with ASTER .
Urai, M. (2001), Altitude and velocity esitmation of volcanic plume using ASTER stereo image.
Urai, M. (2001), Sulfur dioxide distribution discharged from a volcano by ASTER .
Urai, M. (2002), Sulfur dioxide flux estimation at Oyama volcano in Miyake-Jima, Japan, using Advanced Spaceborne Thermal Emission and Reflection radiometer (ASTER), paper presented at Infrared Spaceborne Remote Sensing IX, Aug 1-3 2001, , The International Society for Optical Engineering.
Urai, M. (2003), Monitoring active volcano with ASTER, paper presented at IUGG 2003 scientific program and abstracts, IUGG 2003, Sapporo, JPN, Japan, June 30-July 11, 2003, , IUGG, [location varies].
Urai, M. (2003), Observation of SO2 in Miyakejima Island by ASTER ,MODIS. *Occasional Papers.Research Center for the Pacific Island, Kagoshima University, NO.37*, PAGE.50-57.
Urai, M. (2004), Development of the ASTER image database system for volcano.
Urai, M. (2004), Monitoring sulfur dioxide discharged from volcano with ASTER; Italia 2004; 32nd international geological congress; abstracts, *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 32, Part 2*, 1185. 492

Urai, M. (2004), Sulfur dioxide flux estimation from volcanoes using Advanced Spaceborne Thermal Emission and Reflection Radiometer - a case study of Miyakejima volcano, Japan, *J. Volcanol. Geotherm. Res., 134*(1-2), 1-13.
Urai, M. (2005), Geoloation accuracy of nighttime ASTER imagery.
Urai, M. (2005), Monitoring of volcanic activities using satellites, *AIST Today (International Edition)*(16), 11.
Urai, M. (2005), The present state and the future of volcano observation with satellites -Volcano monitoring with ASTER -, *IEIC Technical Report (Institute of Electronics, Information and Communication Engineers, 105,NO.158(SANE2005 17-39)*, PAGE.73-78.
Urai, M. (2006), 2005 Sierra Negra eruption in Galapagos Island observed by ASTER.
Urai, M. (2006), ASTER DEM mosaic for the DEM Dataset generation.
Urai, M. (2007), The 2006 Merapi Volcano eruption observed by Earth observing satellites, *Chishitsu News, 2007*(8(636)), 35-41.
Urai, M. (2008), Monitoring Fukutoku-Okanoba submarine volcano, Japan, with satellite remote sensing, *Geophysical Research Abstracts, 10*, EGU2008-A-01964.

Urai, M. (2011), Volcano observations with ASTER and ASTER image database for volcanoes, paper presented at 2011 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2011, July 24, 2011 - July 29, 2011, , Institute of Electrical and Electronics Engineers Inc, Vancouver, BC, Canada.
Urai, M., K. Fukui, Y. Yamaguchi, and D. C. Pieri (1999), Volcano Observation Potential and Global Volcano Monitoring Plan with ASTER . *Bulletin of the Volcanological Society of Japan, 44,NO.3*, PAGE.131-141. 493

Urai, M., K. Fukui, Y. Yamaguchi, D. C. Pieri, and ERIM International, Ann Arbor, MI,United States (USA) (1999), Global volcano monitoring plan with ASTER; Proceedings of the Thirteenth international conference on Applied geologic remote sensing, paper presented at Thirteenth international conference and workshops on Applied geologic remote sensing, Vancouver, BC, Canada, March 1-3, 1999, , Environmental Research Institute of Michigan, Ann Arbor, MI, United States (USA).
Urai, M. and Y. Ishizuka (2011), Advantages and challenges of space-borne remote sensing for Volcanic Explosivity Index (VEI): The 2009 eruption of Sarychev Peak on Matua Island, Kuril Islands, Russia, *J. Volcanol. Geotherm. Res., 208*(3-4), 163-168, doi:http://dx.doi.org/10.1016/j.jvolgeores.2011.07.010.
Urai, M. and N. Kaneko (2004), Geological remote sensing; global view from space, *Chishitsu News, 2004*(2(594)), 39-41.
Urai, M., Y. Kawanabe, J. Itoh, A. Takada, M. Kato, and A. Tomiya (2001), Ash fall areas associated with the Usu 2000 eruption observed by ASTER; The 2000 eruption of Usu Volcano, *Chishitsu Chosajo Geppo = Bulletin of the Geological Survey of Japan, 52*(4-5), 189-197.
Urai, M. and S. Machida (2003), Volcanic discolored seawater analysis using ASTER Reflectance Product (2B05V).
Urai, M. and S. Machida (2005), Discolored seawater detection using ASTER reflectance products: A case study of Satsuma-Iwojima, Japan, *Remote Sens. Environ., 99*(1-2), 95-104.
Urai, M., Matsunaga Tsuneo, and I. T. (1996), Soil Moisture Contents and Spectral Emissivity in the Thermal Infrared of the Soil Sampled in Muus Desert, China.
Urai, M., Matsunaga Tsuneo, and I. T. (1997), Relationship between Soil Moisture Content and Thermal Infrared Emissivity of the Sand Sampled in Muus Desert, China. *Journal of Remote Sensing Society of Japan, 17,NO.4*, PAGE.322-331. 494

Urai, M., H. Muraoka, A. Nasution, and H. (. Muraoka (2002), Satellite remote sensing data and their interpretations for geothermal applications; a case study on the Ngada District, central Flores, Indonesia; Indonesia-Japan geothermal exploration project in Flores Island, *Chishitsu Chousa Kenkyuu Houkoku = Bulletin of the Geological Survey of Japan, 53*(2-3), 99-108.
Urai, M., S. Tsuchida, R. Nakamura, N. Yamamoto, M. Arioka, H. Tonooka, M. Moriyama, and Y. Yamaguchi (2006), The East Asia DEM Dataset generation plan using ASTER.
Ustin, S. L., M. O. Smith, S. Jacquemoud, M. M. Verstraete, and Y. M. Govaerts (1999), Geobotany; vegetation mapping in earth sciences, in *Remote sensing for the earth sciences,* , vol. 3, edited by A. N. Rencz et al, United States (USA), John Wiley & Sons, New York, NY, United States (USA).
Uto, K., Y. Takabayashi, Y. Kosugi, and T. Ogata (2008), Hyperspectral analysis of Japanese Oak Wilt to determine Normalized Wilt Index, paper presented at 2008 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2008, , IEEE.
van Arsdall, L. E. and R. L. Nusbaum (2007), Satellite-based Morphotectonics of the Tibesti Lineament and its Relationship to Volcanism, Tibesti Massif, Chad, *EOS, Transactions, American Geophysical Union, 11; 88*(52, Suppl. Volume 1-2), 0808.
Van Arsdall, L. E. and R. L. Nusbaum (2007), Digital geologic mapping used for analysis of geologic structures and volcanism, Tibesti volcanic province, Chad, *Abstracts with Programs - Geological Society of America, 39*(2), 98.
van der Kwast, J., W. Timmermans, A. Gieske, Z. Su, A. Olioso, L. Jia, J. Elbers, D. Karssenberg, and S. de Jong (2009), Evaluation of the Surface Energy Balance System (SEBS) applied to ASTER imagery with flux-measurements at the SPARC 2004 site (Barrax, Spain), *Hydrology and Earth System Sciences, 13*(7), 1337-1347. 495

van der Meer, F. D., H. M. A. van der Werff, F. J. A. van Ruitenbeek, C. A. Hecker, W. H. Bakker, M. F. Noomen, M. van der Meijde, E. J. M. Carranza, J. B. de Smeth, and T. Woldai (2012), Multi- and hyperspectral geologic remote sensing: A review, *Int. J. Appl. Earth Obs. Geoinf., 14*(1), 112-128, doi:http://dx.doi.org/10.1016/j.jag.2011.08.002.
van der Wielen, S., S. Oliver, and A. Kalinowski (2004), Remote sensing and spectral investigations in the Western Succession, Mount Isa Inlier; implications for exploration; Predictive Mineral Discovery Cooperative Research Centre; extended abstracts from the June 2004 conference, *Record - Geoscience Australia, 2004/09*, 205-208.
van Evert, F. K., P. van der Voet, E. van Valkengoed, L. Kooistra, and C. Kempenaar (2012), Satellite-based herbicide rate recommendation for potato haulm killing, *Eur. J. Agron., 43*, 49-57, doi:http://dx.doi.org/10.1016/j.eja.2012.05.004.
van Gils, H., J. O. Odoi, and T. Andrisano (2010), From monospecific to mixed forest after fire?. An early forecast for the montane belt of Majella, Italy, *For. Ecol. Manage., 259*(3), 433-439.
van Manen, S. M. and A. J. Carter (2007), Thermal observations of the degassing of the December 2006 and May 2007 pyroclastic flow deposits at Bezymianny Volcano, Kamchatka, *EOS, Transactions, American Geophysical Union, 21; 88*(52, Suppl. Volume 1-2), 0387.
Van Niekerk, H. J. and L. A. Sandham (2007), Visual interpretation of ASTER satellite data. Part 1: geologic mapping in the Cradle of Humankind World Heritage Site, *Suid-Afrikaanse Tydskrif vir Natuurwetenskap en Tecnologie, 26*(3), 177-95.
Van Niekerk, H. J. and L. A. Sandham (2007), Visual interpretation of ASTER satellite data. Part II. Land use mapping in Mpumalanga, South Africa, *Suid-Afrikaanse Tydskrif vir Natuurwetenskap en Tecnologie, 26*(4), 247-264.
Van Trung, N., J. Choi, and J. Won (2010), Fusion of ALOS PALSAR and ASTER data for landcover classification at Tonle Sap floodplain, paper presented at Remote Sensing of the 496

Coastal Ocean, Land, and Atmosphere Environment, October 13, 2010 - October 14, , SPIE, Incheon, Korea, Republic of.
Van Westen, C. J. (2004), Geo-Information tools for landslide risk assessment: an overview of recent developments, in *Landslides: evaluation and stabilization; Glissements de terrain : evaluation et stabilisation,* , vol. 1, edited by W. A. Larceda, pp. 39-56, Netherlands, A. A. Balkema, Leiden.
Van, T. T. (2009), Relationship of thermal properties and vegetation indices in remote sensing land cover mapping, paper presented at 30th Asian Conference on Remote Sensing 2009, ACRS 2009, October 18, 2009 - October 23, 2009, Beijing, China, , Asian Association on Remote Sensing.
Van, T. T. and H. D. X. Bao (2007), Urban land cover change through development of imperviousness in Ho Chi Minh City, Vietnam, paper presented at 28th Asian Conference on Remote Sensing 2007, ACRS 2007, November 12, 2007 - November 16, 2007, Kuala Lumpur, Malaysia, , Asian Association on Remote Sensing.
Van, T. T. and H. D. X. Bao (2008), Application of Geoinformatics to urban environmental management in view of urban climatology: Case study in Ho Chi Minh City, Vietnam, paper presented at 29th Asian Conference on Remote Sensing 2008, ACRS 2008, November 10, 2008 - November 14, 2008, Colombo, Sri Lanka, , Asian Association on Remote Sensing.
Van, T. T., H. T. Lan, and L. V. Trung (2010), Research on the change of urban surface temperature under impact of urbanization in Hochiminh city by using remote sensing data, paper presented at 31st Asian Conference on Remote Sensing 2010, ACRS 2010, November 1, 2010 - November 5, 2012, Hanoi, Viet Nam, , Asian Association on Remote Sensing.
Vanacor, R. N. and S. B. A. Rolim (2008), Mapeamento de areas susceptiveis a movimentos de massa atraves de tecnica estatistica bivariada em base GIS na porcao nordeste da serra gaucha, RS. Mapping areas vulnerable to mass movements, utilizing GIS-based bivariate statistical analysis in northeastern Rio Grande do Sul, paper presented at Sociedade Brasileira 497

de Geologia; 44 degrees congresso, Curitiba, Brazil, Oct. 26-31, 2008, , Sociedade Brasileira de Geologia, Porto Alegre, Brazil (BRA).
VanDerVeen, K. (2004), Pilot Study for Using Aster Images to Map Glacial Geomorphology, 0.
Vani, K. and G. U. V. Lakshmi Priya (2006), Detection and removal of cloud contamination from satellite images, paper presented at Remote Sensing of the Atmosphere and Clouds, , SPIE - International Society for Optical Engineering, Bellingham WA, WA 98227-0010, United States.

Vani, K., S. Sanjeevi, and A. Ravindran (2002), Wavelet based fusion of ASTER (VNIR and SWIR) bands for improved soil information extraction; Proceedings of the ISPRS commission VII symposium; resource and environmental monitoring, *The = International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences (Print) = Internationales Archiv fuer Photogrammetrie, Fernerkundung und Raumbezogene Informationswissenschaften (Print) = Archives International(TRUNCATED), 34*, 140-145.
Varekamp, J. C. and T. Kading (2011), Lake Caviahue (Argentina) nearing schwertmannite saturation, *Abstracts with Programs - Geological Society of America, 43*(5), 173, doi:http://gsa.confex.com/gsa/2011AM/finalprogram/abstract_196388.htm.
Varma, S., J. Turner, and J. Underschultz (2010), Estimation of submarine groundwater discharge into Geographe Bay, Bunbury, Western Australia, *J. Geochem. Explor., 106*(1-3), 197-210.
Vassena, G., M. F. Buchroithne, C. Lanzi, M. Gelmini, T. Bolch, J. Lffler, and D. Wundram (2007), A 3D mixed laser-scanner and photogrammetry survey approach for high-altitude glacier monitoring, paper presented at Earth; our changing planet; proceedings of IUGG XXIV general assembly , Perugia, ITA, Italy, July 2-13, 2007, , IUGG, [location varies], International (III). 498

Vaughan, G. R. and W. M. Calvin (2005), Mapping Weathering and Alteration Minerals in the Comstock and Geiger Grade Areas using Visible to Thermal Infrared Airborne Remote Sensing Data, 20-20.
Vaughan, R. G., M. J. Abrams, M. Kervyn, and S. J. Hook (2007), ASTER observations of recent thermal activity and explosive eruption at Oldoinyo Lengai, Tanzania, *EOS Trans. Am. Geophys. Union, 88*(52, Suppl.), @Abstract V11D-0817.
Vaughan, R. G. and S. J. Hook (2006), Using satellite data to characterize the temporal thermal behavior of an active volcano: Mount St. Helens, WA, *Geophys. Res. Lett., 33*(20), L20303-L20303.
Vaughan, R. G., S. J. Hook, and A. G. Davies (2006), Spaceborne Thermal Infrared Measurements of Volcanic Thermal Features, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
Vaughan, R. G., L. P. Keszthelyi, A. G. Davies, D. J. Schneider, C. Jaworowski, and H. Heasler (2010), Exploring the limits of identifying sub-pixel thermal features using ASTER TIR data, *J. Volcanol. Geotherm. Res., 189*(3-4), 225-237.
Vaughan, R. G., R. Wessels, and M. S. Ramsey (2005), Monitoring Renewed Volcanic Activity at Mount St. Helens with High-Resolution Thermal Infrared Data: ASTER, MASTER and FLIR, *EOS Transactions, American Geophysical Union, 86*(52, SUPPL.), Abstract V53D-1603.
Vaughan, R. G. (2004), Surface mineral mapping at Virginia City and Steamboat Springs, Nevada with multi-wavelength infrared remote sensing image data, *DAI, 66*(01B), 259-166.
Vaughan, R. G. and W. M. Calvin (2001), Multispectral and hyperspectral thermal infrared imaging for mineral mapping; comparison of MASTER and SEBASS; Geological Society of America, 2001 annual meeting, *Abstracts with Programs - Geological Society of America, 33*(6), 347. 499

Vaughan, R. G., S. J. Hook, W. M. Calvin, and J. V. Taranik (2005), Surface mineral mapping at Steamboat Springs, Nevada, USA, with multi-wavelength thermal infrared images, *Remote Sens. Environ., 99*(1-2), 140-158.
Vaughan, R. G., M. Kervyn, V. Realmuto, M. Abrams, and S. J. Hook (2008), Satellite measurements of recent volcanic activity at Oldoinyo Lengai, Tanzania, *J. Volcanol. Geotherm. Res., 173*(3-4), 196-206.
Vaughan, R. G., L. P. Keszthelyi, J. B. Lowenstern, C. Jaworowski, and H. Heasler (2012), Use of ASTER and MODIS thermal infrared data to quantify heat flow and hydrothermal change at Yellowstone National Park, *J. Volcanol. Geotherm. Res., 233*, 72-89, doi:http://dx.doi.org/10.1016/j.jvolgeores.2012.04.022.
Vaughan, R. G. and P. W. Webley (2010), Satellite observations of a surtseyan eruption Hunga Ha'apai, Tonga, *J. Volcanol. Geotherm. Res., 198*(1-2), 177-186, doi:10.1016/j.jvolgeores.2010.08.017.
Vaughan, R. G., M. J. Abrams, S. J. Hook, and D. C. Pieri (2007), Satellite observations of new volcanic island in Tonga, *EOS Trans. Am. Geophys. Union, 88*(4), 37-41.
Vazifedoust, M., J. C. Van Dam, R. A. Feddes, and W. G. M. Bastiaanssen (2007), Disaggregation of remote sensing evapotranspiration data: from low to high spatial resolution,.
Veraverbeke, S., S. Harris, and S. Hook (2011), Evaluating spectral indices for burned area discrimination using MODIS/ASTER (MASTER) airborne simulator data, *Remote Sensing of Environment, 115*(10), 2702-2709, doi:http://dx.doi.org/10.1016/j.rse.2011.06.010.

Veraverbeke, S., S. Hook, and G. Hulley (2012), An alternative spectral index for rapid fire severity assessments, *Remote Sens. Environ., 123*, 72-80, doi:http://dx.doi.org/10.1016/j.rse.2012.02.025. 500

Veraverbeke, S., S. J. Hook, and S. Harris (2012), Synergy of VSWIR (0.4-2.5 mu m) and MTIR (3.5-12.5 mu m) data for post-fire assessments, *Remote Sens. Environ., 124*, 771-779, doi:http://dx.doi.org/10.1016/j.rse.2012.06.028.
Vermeesch, P. and N. Drake (2008), Remotely sensed dune celerity and sand flux measurements of the world's fastest barchans (Bodele, Chad), *Geophys. Res. Lett., 35*(24), L24404, doi:10.1029/2008GL035921.
Vespremeanu-Stroe, A. and L. Preoteasa (2007), Beach-dune interactions on the dry-temperate Danube delta coast, *Geomorphology, 86*(3-4), 267-282, doi:10.1016/j.geomorph.2006.09.011.
Vicente, L. E. and C. R. de Souza Filho (2011), Identification of mineral components in tropical soils using reflectance spectroscopy and advanced spaceborne thermal emission and reflection radiometer (ASTER) data, *Remote Sens. Environ., 115*(8), 1824-1836, doi:10.1016/j.rse.2011.02.023.
Vieira, R., S. Hinata, K. K. da Rosa, S. Zilberstein, and J. C. Simoes (2012), Periglacial features in Patriot Hills, Ellsworth Mountains, Antarctica, *Geomorphology, 155-156*, 96-101, doi:http://dx.doi.org/10.1016/j.geomorph.2011.12.014.
Vignon, F., Y. Arnaud, and G. Kaser (2003), Quantification of Glacier Volume Change Using Topographic and ASTER DEMs: A Case Study in the Cordillera Blanca, paper presented at 2003 IGARSS: Learning From Earth's Shapes and Colours, Jul 21-25 2003, , Institute of Electrical and Electronics Engineers Inc.
Villa, P. and G. Lechi (2008), Normalized difference reflectance: An approach to quantitative change detection, paper presented at 2007 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2007, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States. 501

Vincent, R. K. (2006), The Critical Need for Future Mid-Resolution Thermal Infrared Satellite Sensors, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
Vincent, R. K. and R. A. Beck (2005), Spectral Ratio Imaging with Hyperion Satellite Data for Geological Mapping; Final Report, 1-23.
Vincent, R. K. and N. S. Levine (2004), Future directions for geological remote sensing and geographical information systems (GIS) in geological education, *Environmental & Engineering Geoscience, 10*(4), 329-338.
Vining, B. R. and J. Wiseman (2006), Multispectral and synthetic aperture radar remote-sensing-based models for holocene coastline development in the Ambracian Gulf, Epirus, Greece, *Archaeological Prospection, 13*(4), 258-268.
Vogel, R. L., Q. Liu, Y. Han, and F. Weng (2011), Evaluating a satellite-derived global infrared land surface emissivity data set for use in radiative transfer modeling, *Journal of Geophysical Research-Atmospheres, 116*, D08105, doi:10.1029/2010JD014679.
Volesky, J. C. (2002), Massive sulfide deposits of the Wadi Bidah Mineral District, Saudi Arabia: Geologic control of mineralization; remote sensing and mineral exploration; geochemical exploration and petrogenesis, *DAI, 64*(04B), 130-1660.
Volesky, J. C., R. J. Stern, and M. G. Abdelsalam (2001), Mineral exploration with Landsat ETM+ and ASTER data in the Wadi Bidah mineral district, Saudi Arabia; Geological Society of America, 2001 annual meeting, *Abstracts with Programs - Geological Society of America, 33*(6), 289.
Volesky, J. C., R. J. Stern, and P. R. Johnson (2003), Geological control of massive sulfide mineralization in the Neoproterozoic Wadi Bidah shear zone, southwestern Saudi Arabia, inferences from orbital remote sensing and field studies; Evolution of the East African and related orogens, and the assembly of Gondwana, *Precambrian Res., 123*(2-4), 235-247, doi:10.1016/S0301-9268(03)00070-6. 502

Volker, D., S. Kutterolf, and H. Wehrmann (2011), Comparative mass balance of volcanic edifices at the southern volcanic zone of the Andes between 33S and 46S, *Journal of Volcanology and Geothermal Research, 205*(3-4), 114-129.
Volpe, V., S. Silvestri, and M. Marani (2011), Remote sensing retrieval of suspended sediment concentration in shallow waters, *Remote Sens. Environ., 115*(1), 44-54, doi:10.1016/j.rse.2010.07.013.

Vrabel, J., B. A. Eckstein, C. P. Mullen, and B. Kunze (2004), Spaceborne hyperspectral imagery sharpened with spaceborne multispectral imagery, paper presented at Algorithms and Technologies for MultiSpectral, Hyperspectral, and Ultraspectral Imagery X, Apr 12-15 2004, , International Society for Optical Engineering, Bellingham, WA 98227-0010, United States.
Vrieling, A., S. C. Rodrigues, H. Bartholomeus, and G. Sterk (2007), Automatic identification of erosion gullies with ASTER imagery in the Brazilian Cerrados, *Int. J. Remote Sens., 28*(12), 2723-2738.
Vrieling, A., S. M. de Jong, G. Sterk, and S. C. Rodrigues (2008), Timing of erosion and satellite data: A multi-resolution approach to soil erosion risk mapping, *International Journal of Applied Earth Observation and Geoinformation, 10*(3), 267-281, doi:10.1016/j.jag.2007.10.009.
Vu, T. T., M. Matsuoka, and F. Yamazaki (2006), Object-Based Image Analysis for Mapping Tsunami-Affected Areas, paper presented at 100th Anniversary Earthquake Conference including the 8th U.S. National Conference on Earthquake Engineering (8NCEE), the SSA Centennial Meeting, and the OES Disaster Resistant California Conference; San Francisco, CA; USA; 18-22 Apr. 2006, , Earthquake Engineering Research Institute.
Vu, T. T., M. Matsuoka, and F. Yamazaki (2007), Dual-scale approach for detection of tsunami-affected areas using optical satellite images, *Int. J. Remote Sens., 28*(13), 2995-3011. 503

Wahid, A. M. (2008), GIS-based modeling of wind-transported sand on the Qaa Plain beach, southwestern Sinai, Egypt, *J. Coast. Res., 24*(4), 936-943.
Wahid, D. A. and T. Akiyama (2007), Phenological change detection in flat and terrace paddy using aster satellite images in takayama river basin area, paper presented at American Society for Photogrammetry and Remote Sensing, ASPRS Annual Conference 2007: Identifying Geospatial Solutions, May 7, 2007 - May 11, 2007, Tampa, FL, , American Society for Photogrammetry and Remote Sensing.
Wahl, R. R. and C. D. Blome (2009), A geospatial map database of the Arbuckle-Simpson Mountains, Oklahoma, *Abstracts with Programs - Geological Society of America, 41*(7), 287.
Walker, R. T., M. J. Andalibi, M. R. Gheitanchi, J. A. Jackson, S. Karegar, and K. Priestley (2005), Seismological and field observations from the 1990 November 6 Furg (Hormozgan) earthquake: a rare case of surface rupture in the Zagros mountains of Iran, *Geophys. J. Int., 163*(2), 567-579, doi:10.1111/j.1365-246X.2005.02731.x.
Walker, R. T., E. Molor, M. Fox, and A. Bayasgalan (2008), Active tectonics of an apparently aseismic region; distributed active strike-slip faulting in the Hangay Mountains of central Mongolia, *Geophysical Journal International, 174*(3), 1121-1137, doi:10.1111/j.1365-246X.2008.03874.x.
Waltman, P. B., K. Arneson, E. Atekwana, J. Hogan, R. Jordan, D. Mutamina, and E. Seeger (2009), Geophysical and geological investigation of the Mweru Rift, Zambia; providing international research experience for students, *Abstracts with Programs - Geological Society of America, 41*(7), 444.
Wan, H., J. Wang, Z. Xiao, and L. Li (2007), Generating the High Spatial and Temporal Resolution Lai by Fusing Modis and Aster, *Journal of Beijing Normal University (Natural Science Edition), 43*(3), 303-308. 504

WAN, H., J. Wang, Y. Zhang, Y. Wiang, Z. Jiao, and X. Zhang (2005), An Approach on Monitoring the Aibedo of Winter Wheat at Growing Period by Using MODIS Data, *Acta Agronomica Sinica, 31*(12), 1572-1578.
WAN, Z., J. DOZIER, and National Aeronautics and Space Administration. Goddard Space Flight Center,Greenbelt, MD. (1992), Effects of temperature-dependent molecular absorption coefficients on the thermal infrared remote sensing of the earth surface, paper presented at IGARSS '92; Proceedings of the 12th Annual International Geoscience and Remote Sensing Symposium, Houston, TX; 26-29 May 1992, , Institute of Electrical and Electronics Engineers, Inc., Houston, TX.
Wang Xin, Liu Shiyin, Guo Wanqin, Yao Xiaojun, Jiang Zongli, and Han Yongshun (2012), Using Remote Sensing Data to Quantify Changes in Glacial Lakes in the Chinese Himalaya, *Mt. Res. Dev., 32*(2), 203-212, doi:http://dx.doi.org/10.1659/MRD-JOURNAL-D-11-00044.1.
Wang Xinsheng, Fan Jiangwen, Xu Jing, Liu Fei, Gao Shoujie, and Wei Xincai (2012), Land surface emissivity change in China from 2001 to 2010, *J. Geogr. Sci., 22*(3), 407-415, doi:http://dx.doi.org/10.1007/s11442-012-0935-0.
Wang Yetang, Hou Shugui, and Liu Yaping (2009), Glacier changes in the Karlik Shan, eastern Tien Shan, during 1971/72-2001/02, *Annals of Glaciology, 50*(53), 39-45.

Wang, A. and M. P. Zheng (2009), Evaporative salts from saline lakes on Tibet Plateau; an analog for salts on Mars, *LPI Contribution, 1468*, 1858.
Wang, B., F. Miao, J. Chen, H. Huang, D. Lai, and M. Yan (2008), The construction and application of normalized difference water index (NDWI) based on the ASTER image, *Cehui Kexue / Science of Surveying and Mapping, 33*(2), 177-179.
Wang, C. and B. Toxopeus (2009), Mapping dynamics of waterbirds habitat in relation to water level changes in a mediterranean shallow lake using multi-temporal remote sensing, paper 505

presented at 30th Asian Conference on Remote Sensing 2009, ACRS 2009, October 18, 2009 - October 23, , Asian Association on Remote Sensing.
Wang, C., G. Yang, Z. Ma, and Z. Xing (2009), Fusion of VNIR and thermal infrared remote sensing data based on GA-SOFM neural network, *Diqiu Kongjian Xinxi Kexue Xuebao/ Geo-Spatial Information Science Quarterly, 12*(4), 271-280, doi:10.1007/s11806-009-0093-4.
Wang, C. and J. Chen (2004), Extracting the Information of Concrete, *Geo-information Science, 6*(2), 106-124.
Wang, C. and J. CHEN (2004), Investigation on Extracting the Space Information of Concrete, *Journal of Fujian Normal University.Natural Science, 20*(1), 88-91.
Wang, C. (2009), Trajectory-based warm-season grass mapping in Missouri prairies with multi-temporal ASTER imagery, paper presented at American Society for Photogrammetry and Remote Sensing Annual Conference 2009, ASPRS 2009, March 9, 2009 - March 13, 2009, Baltimore, MD, , American Society for Photogrammetry and Remote Sensing.
Wang, C., B. E. Jamison, and A. A. Spicci (2010), Trajectory-based warm season grassland mapping in Missouri prairies with multi-temporal ASTER imagery, *Remote Sens. Environ., 114*(3), 531-539.
Wang, G. -., Z. -. He, W. -. Qiu, and H. -. Xu (2009), Extraction and accuracy assessment of DEM on maerdang dam area from ASTER stereo image data, *Cehui Kexue / Science of Surveying and Mapping, 34*(3), 95-96.
Wang, G., Y. Liang, and S. Zhang (2010), Hydrothermal alteration mapping based on MPH and fractal technologies using ASTER and ETM+ data in Lushi region, Henan Province, China, paper presented at 2010 International Conference on Environmental Science and Information Application Technology (ESIAT), 17-18 July 2010, , IEEE, Beijing, China.
Wang, H. and A. P. Ingersoll (2002), Martian clouds observed by Mars Global Surveyor Mars Orbiter Camera, *Journal of Geophysical Research.E.Planets, 107*(E10), 8-1 to 8-16. 506

Wang, H. and Y. Li (2005), The Method of Monitoring the Spatial Distributions of Blue Algae in Meiliang Bay Using ASTER Data, *Journal of Nanjing Normal University.Natural Science, 28*(1), 103-106.
Wang, J., S. Chen, C. Wang, S. Bao, and L. Fang (2006), Monitoring potential agricultural cold disaster area by multi-factors correctional ASTER LST a case study in the Shanwei, Southern China, paper presented at 2006 IEEE International Geoscience and Remote Sensing Symposium, IGARSS, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Wang, J. and J. Zhang (2011), Study on clay alteration information extraction in vegetation coverage based on MTMF, paper presented at 2011 International Conference on Remote Sensing, Environment and Transportation Engineering, RSETE 2011, June 24, 2011 - June 26, 2011, , IEEE Computer Society, Nanjing, China.
Wang, K., Q. Liu, and Q. Liu (2010), Localized land surface temperature retrieval from the MODIS level-1B data using water vapor and in situ data, paper presented at 2010 30th IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2010, July 25, 2010 - July 30, , Institute of Electrical and Electronics Engineers Inc, Honolulu, HI.
Wang, K. and S. Liang (2009), Evaluation of ASTER and MODIS land surface temperature and emissivity products using long-term surface longwave radiation observations at SURFRAD sites, *Remote Sens. Environ., 113*(7), 1556-1565.
Wang, L., J. Chen, H. Zhang, and L. Chen (2011), Difference analysis of SRTM C-band DEM and ASTER GDEM for global land cover mapping, paper presented at 2011 International Symposium on Image and Data Fusion, ISIDF 2011, August 9, 2011 - August 11, 2011, , IEEE Computer Society, Tengchong, Yunnan, China.
Wang, L., D. Jia, H. Shi, Q. Lin, M. Ge, and Y. Xu (2006), Possibilities of multi-spectral data for the assessment of soil nitrogen content, paper presented at 2006 IEEE International 507

Geoscience and Remote Sensing Symposium, IGARSS, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Wang, L., Q. Lin, D. Jia, H. Shi, and X. Huang (2007), Analysis on possibilities of multi-spectral data for quantitative retrieving soil nutrition element contents, *Huanjing Kexue/Environmental Science, 28*(8), 1822-1828.
Wang, P., R. Sun, J. Hu, Q. Zhu, Y. Zhou, L. Li, and J. M. Chen (2007), Measurements and simulation of forest leaf area index and net primary productivity in Northern China, *J. Environ. Manage., 85*(3), 607-615.
Wang, P., Z. Gao, and S. Liu (2011), Validation of DEMs for two-pass SAR differential interferometry - A case study in Wangfeng coal mine, Jiaozuo city, paper presented at 2011 International Conference on Remote Sensing, Environment and Transportation Engineering, RSETE 2011, June 24, 2011 - June 26, 2011, , IEEE Computer Society, Nanjing, China.
Wang, P., Z. Li, H. Li, M. Cao, W. Wang, and F. Wang (2012), Glacier No. 4 of Sigong River over Mt. Bogda of eastern Tianshan, central Asia: thinning and retreat during the period 1962-2009, *Environmental Earth Sciences, 66*(1), 265-273, doi:http://dx.doi.org/10.1007/s12665-011-1236-0.
Wang, Q., X. Chen, J. Ma, and J. Chen (2010), A comparative study of two remote sensing image adjacency effect correction algorithms based on SHDOM empirical equation and synchronized measured spectral data, *Guangxue Xuebao/Acta Optica Sinica, 30*(11), 3342-3348.
WANG, Q. and Q. Lin (2006), Remote Sensing Lithology Identification in Baoer Tu Using Aster Image, *Geography and geo-information science, 22*(2), 9-12.
Wang, Q., Q. Lin, M. Li, and Q. Tian (2009), A new target detection algorithm: spectra sort encoding, *Int. J. Remote Sens., 30*(9), 2297-2307, doi:10.1080/01431160802549351. 508

Wang, R., J. Ma, and X. Chen (2010), Automatic registration for different optical images based on SIFT algorithm combined with structural information, *Computer Engineering and Applications, 46*(23), 8-11, doi:10.3778/j.issn.1002-8331.2010.23.002.
Wang, R., J. Ma, and X. Chen (2010), Different Optical Image Registration Based on Normalized SIFT Algorithm, *Computer Engineering, 36*(19), 21-23, doi:CNKI:SUN:JSJC.0.2010-19-009.
Wang, R., J. Ma, and X. Chen (2011), Optical and SAR Imagery Registration Based on Virtual Searching Window, *Computer Engineering, 37*(8), 13-15.
Wang, R., J. Ma, W. Shi, and H. Huang (2012), Registration algorithm based on nonsubsampled contour transform and morphological shrink operator for multi-source images, *Nongye Gongcheng Xuebao/Transactions of the Chinese Society of Agricultural Engineering, 28*(19), 110-118, doi:http://dx.doi.org/10.3969/j.issn.1002-6819.2012.19.015.
Wang, T. J., A. K. Skidmore, and A. G. Toxopeus (2009), Improved understorey bamboo cover mapping using a novel hybrid neural network and expert system, *Int. J. Remote Sens., 30*(4), 965-981, doi:10.1080/01431160802411867.
Wang, T., S. Chen, and Y. Ma (2008), Accuracy assessment of linear spectral mixture model due to terrain undulation, paper presented at International Conference on Earth Observation Data Processing and Analysis, ICEODPA, , SPIE.
Wang, W., X. Yang, and T. Yao (2012), Evaluation of ASTER GDEM and SRTM and their suitability in hydraulic modelling of a glacial lake outburst flood in southeast Tibet, *Hydrol. Process., 26*(2), 213-225, doi:http://dx.doi.org/10.1002/hyp.8127.
Wang, W., T. Yao, W. Yang, D. Joswiak, and M. Zhu (2012), Methods for assessing regional glacial lake variation and hazard in the southeastern Tibetan Plateau: a case study from the Boshula mountain range, China, *Environmental Earth Sciences, 67*(5), 1441-1450, doi:http://dx.doi.org/10.1007/s12665-012-1589-z. 509

Wang, X., H. Lu, J. Vandenberghe, S. Zheng, and R. van Balen (2012), Late Miocene uplift of the NE Tibetan Plateau inferred from basin filling, planation and fluvial terraces in the Huang Shui catchment, *Global Planet. Change, 88-89*, 10-19, doi:http://dx.doi.org/10.1016/j.gloplacha.2012.02.009.
Wang, X. and W. Lai (2011), Denoising approach for remote sensing image based on anisotropic diffusion and wavelet transform algorithm, paper presented at International Symposium on Photoelectronic Detection and Imaging 2011: Advances in Infrared Imaging and Applications, May 24, 2011 - May 24, 2011, , SPIE, Beijing, China.

Wang, X., Z. Yang, G. Kang, and Y. Yang (2009), The Coal Fire Land Surface Temperature Abnormal Information Extraction from ASTER Satellite Image: Take Yangxia Coal Fire Area in Luntai County, Xinjiang, China as an Example, paper presented at International Conference on Information Engineering and Computer Science, 2009. ICIECS 2009. , IEEE, Wuhan, China.
Wang, X., Q. Wang, G. Liu, and H. Li (2005), A study on the quantitative remote sensing model for the suspended sediment concentration in coastal waters with ASTER data, paper presented at 2005 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2005, Jul 25-29 2005, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Wang, X. and S. Zhang (2007), Evaluation of land cover classification effectiveness for the Queer mountains, China using ASTER satellite data, paper presented at Proceedings of the Second IASTED International Conference on Advanced Technology in the Environmental Field, 6-8 Feb. 2006, , ACTA Press, Lanzarote, Canary Islands, Spain.
Wang, Y. and D. Sun (2005), The ASTER tasseled cap interactive transformation using Gramm-Schmidt method, paper presented at MIPPR 2005: SAR and Multispectral Image Processing; Wuhan; China; 31 Oct.-2 Nov. 2005, .
Wang, Y. and D. Sun (2005), The et estimation from ASTER image based on SEBAL and TSEB method, paper presented at MIPPR 2005: Geospatial Information, Data Mining, and 510

Applications, Oct 31-Nov 2 2005, , International Society for Optical Engineering, Bellingham WA, WA 98227-0010, United States.
Wang, Y., T. Chang, and Y. Liou (2010), Terrain Correction for Increasing the Evapotranspiration Estimation Accuracy in a Mountainous Watershed, *Ieee Geoscience and Remote Sensing Letters, 7*(2), 352-356, doi:10.1109/LGRS.2009.2035138.
Wang, Y., F. Fan, J. Zhang, H. Xia, and C. Ye (2004), Urbanization in Pearl River Delta area in past 20 years: Remote sensing of impact on water quality, paper presented at Remote Sensing and Modeling of Ecosystems for Sustainability, Aug 2-4 2004, , International Society for Optical Engineering, Bellingham, WA 98227-0010, United States.
Wang, Z. and Z. Zhao (2009), Expanded Q4 quality assessment for pan-sharpened multispectral image, paper presented at Geoinformatics 2008 and Joint Conference on GIS and Built Environment: Advanced Spatial Data Models and Analyses, , SPIE - The International Society for Optical Engineering, Guangzhou, China.
Wangensteen, B., O. M. Tonsberg, A. Kaab, T. Eiken, and J. O. Hagen (2006), Surface elevation change and high resolution surface velocities for advancing outlets of Jostedalsbreen, *Geografiska Annaler Series A-Physical Geography, 88A*(1), 55-74.
Warner, M. and P. G. Chirico (2006), ASTER DEM development in mountainous terrain for natural resource assessments in Afghanistan; Proceedings of the U.S. Geological Survey Sixth biennial geographic information science workshop, *Scientific Investigations Report, SIR 2006-5094*, 43.
Warner, N. H. and J. D. Farmer (2008), Laboratory and remote identification of hydrothermal alteration materials associated with subglacial outflood surfaces in Iceland, *LPI Contribution, 1391*, @Abstract 1477. 511

Warner, N. H. and J. D. Farmer (2008), Hydrothermal mineral signatures in Icelandic outflood deposits and the search for ancient hydrothermal systems on Mars, *Abstracts with Programs - Geological Society of America, 40*(6), 263.
Warner, N. H. and J. D. Farmer (2010), Subglacial Hydrothermal Alteration Minerals in Jokulhlaup Deposits of Southern Iceland, with Implications for Detecting Past or Present Habitable Environments on Mars, *Astrobiology, 10*(5), 523-547, doi:10.1089/ast.2009.0425.
Warner, N. H. (2008), Catastrophic outwash plains on Earth and Mars: Comparisons from Iceland and Chasma Boreale, Mars, 288.
Warner, T. A. and F. Nerry (2009), Does single broadband or multispectral thermal data add information for classification of visible, near- and shortwave infrared imagery of urban areas? *Int. J. Remote Sens., 30*(9), 2155-2171, doi:10.1080/01431160802549286.
Wasowski, J., C. Lamanna, and D. Casarano (2010), Influence of land-use change and precipitation patterns on landslide activity in the Daunia Apennines, Italy, *Quarterly Journal of Engineering Geology and Hydrogeology, 43*(4), 387-401, doi:http://dx.doi.org/10.1144/1470-9236/08-101.
Watanabe Hidehisa, A. K. , T. Takemura, and A. Kono (1994), Drawing of a rock and mineral distribution map using ASTER simulation data.

Watanabe Hiroshi, M. J. , and S. Fushimi (2000), Post-launch status of ASTER Ground Data System and how to get ASTER data by using it.
Watanabe Keishi, Nagata Harunori, and K. I. (1998), Concept Design of an ASTER Integrated Mars Probe.
Watanabe, A. and H. Tonooka (2005), Trend analysis of surface emissivity ratio on frozen lakes, paper presented at 26th Asian Conference on Remote Sensing, ACRS 2005 and 2nd Asian Space Conference, ASC, November 7, 2005 - November 11, 2005, Ha Noi, Viet nam, , Asian Association on Remote Sensing. 512

Watanabe, H., Y. Kannari, and A. Miura (2004), Operational Performance of ASTER and Its Ground System, paper presented at Twenty-Fourth International Symposium on Space Technology and Science; Miyazaki; Japan; 30 May-6 June 2004, , Japan Society for Aeronautical and Space Sciences.
Watanabe, H., F. Mills, M. Sano, and T. Tagawa (1993), Recent progress in geologic application of airborne and spaceborne remote sensing; Observations of Earth from space, *Advances in Space Research, 13*(11), 15-21.
Watanabe, H., R. Missoten, and K. Tokumaru (1992), International cooperation in geologic remote sensing and the role of ASTER; Resumes des communications Francaises presentees au 29 (super e) congres geologique international. Abstracts of French communications presented at the 29th international geological congress, *Geochronique, 42*, 95.
Watanabe, H., R. Missotten, and K. Tokumaru (1992), International cooperation in geologic remote sensing and the role of ASTER; 29th international geological congress; abstracts, *International Geological Congress, Abstracts--Congres Geologique Internationale, Resumes, 29*, 982.
Watanabe, H., H. Tsu, and I. Sato (2001), Development of ASTER ground data system and ASTER first data generation, paper presented at Sensors, Systems, and Next-Generation Satellites IV, Sep 25-28 2000, , Society of Photo-Optical Instrumentation Engineers.
Watanabe, H. (1999), Mineral Quantitative Mapping Using Fuzzy Inference for ASTER Data. *Journal of Remote Sensing Society of Japan, 19,NO.5*, PAGE.407-422.
Watanabe, H., T. Takemura, K. Adachi, I. Kohno, and C. F. Chung (1994), An application of fuzzy classification for mineral mapping using ASTER simulation data; 1994 International Association for Mathematical Geology annual conference; papers and extended abstracts for technical programs, paper presented at 1994 International Association for Mathematical Geology annual conference including the International symposium for mineral exploration 513

(ISME'94) and Geochautauqua '94, Mont Tremblant, QC, , International Association for Mathematical Geology, Canada.
Watanabe, H. (1995), Development of ASTER Ground Data System. *Journal of Remote Sensing Society of Japan, 15,NO.2*, PAGE.116-119.
Watanabe, H. (2004), Comprehensive rock-type classification by ASTER data over Ethiopian Rift Valley, paper presented at Sensors, Systems, and Next-Generation Satellites VIII, Sep 13-15 2004, , International Society for Optical Engineering, Bellingham, WA 98227-0010, United States.
Watanabe, H. (2005), Accuracy of geolocation and DEM for ASTER, paper presented at Sensors, Systems, and Next-Generation Satellites IX, Sep 20-22 2005, , International Society for Optical Engineering, Bellingham WA, WA 98227-0010, United States.
Watanabe, H. (2005), Application of remote sensing data including ASTER to hazard prevention,-Focusing on the earthquake off the coast of Sumatra Island-, *Butsuri-Tansa = Geophysical Exploration, 58,NO.6*, PAGE.611-616.
Watanabe, H. (2005), ASTER Data and its accuracy.
Watanabe, H. (2006), ASTER Data and Its Accuracy, *Journal of Remote Sensing Society of Japan, 26,NO.1*, PAGE.43-44.
Watanabe, H. (2007), Application of ASTER data to hazard evaluation with an example of damage evaluation of the landslide in Pakistan, paper presented at Sensors, Systems, and Next-Generation Satellites XI, , SPIE, Bellingham WA, WA 98227-0010, United States.
Watanabe, H., H. Fujisada, and I. Sato (1995), Preliminary design concept of ASTER ground data system, paper presented at Advanced and Next-Generation Satellites, Sep 25-28 95, , Society of Photo-Optical Instrumentation Engineers, Bellingham, WA, USA. 514

Watanabe, H., T. Inada, K. Yoshiaki, and A. Miura (2002), Operation of ASTER and its data production, paper presented at Sensors, Systems, and Next-Generation Satellites VI, Sep 23-26 2002, , The International Society for Optical Engineering.
Watanabe, H. and Y. Kannari (1995), Band-to-band registration techniques among ASTER images obtained by different telescopes, paper presented at Platforms and Systems, Sep 6 1994, , Society of Photo-Optical Instrumentation Engineers, Bellingham, WA, USA.
Watanabe, H. and K. Matsuo (2003), Rock type classification by multi-band TIR of ASTER, *Geosciences Journal (Seoul), 7*(4), 347-358.
Watanabe, H., M. Sano, F. Mills, S. Chang, and S. Masuda (1991), Airborne and spaceborne thermal multispectral remote sensing, paper presented at Future European and Japanese Remote-Sensing Sensors and Programs, Apr 1-2 1991, , Publ by Int Soc for Optical Engineering, Bellingham, WA, USA, Orlando, FL.
Watanabe, H., H. Tsu, and I. Sato (1998), Technical challenge of the ASTER Ground Data System, paper presented at Sensors, systems, and next-generation satellites II; Proceedings of the Meeting, Barcelona, Spain, Sept. 21-24, 1998, , Society of Photo-Optical Instrumentation Engineers, Barcelona, Spain.
Watson, F. G. R., R. E. Lockwood, W. B. Newman, T. N. Anderson, and R. A. Garrott (2008), Development and comparison of Landsat radiometric and snowpack model inversion techniques for estimating geothermal heat flux, *Remote Sens. Environ., 112*(2), 471-481.
Watson, M., V. Realmuto, F. Prata, W. Rose, G. Bluth, S. Carn, C. Bader, and Y. Gu (2002), Recent Developments in Spaceborne Observations of Volcanic SO_2*., 52*, 06.
Watson, M. (2004), Developing a Multi-Species Algorithm for Quantifying Volcanic Emissions Using MODIS, ASTER and AIRS,.
Watson, M. (2008), Using Aster, MODIS and AIRS to Estimate Global Emissions of Volcanogenic SO2, 10. 515

Watts, D. R., N. B. W. Harris, J. S. Gaines, C. L. Ishmael, K. A. Larsen, D. Z. May, S. P. Roberts, J. Rogers, D. B. Steger, M. T. Sullivan, and U. S., NASA Glenn Scientific Outreach and Applications using Remote Sensing 2002 Working Group, Cleveland, OH,United States (USA) (2005), Mapping granite and gneiss in domes along the north Himalayan antiform with ASTER SWIR band ratios, *Geological Society of America Bulletin, 117*(7-8), 879-886, doi:10.1130/B25592.1.
WAYIT, A., K. KOIKE, and T. ISHIYAMA (2010), Characterization of Soil Environmental Changes in Northern Tarim Basin in China; Spatio-Temporal Variation Analyses of Salinized Soils Derived from Satellite Data, *Geoinformatics, 21*(1), 19-33, doi:http://dx.doi.org/10.6010/geoinformatics.21.19.
Wechsler, N., M. Eneva, and Y. Ben-Zion (2006), Identifying Pulverized Rocks At The Macro Scale Using Thermal Remote Sensing, A Test Case From The Mojave Section Of The San-Andreas Fault, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
Weeks, P. J. (2004), Illuminating ASTER: NASA's spaceborne sensor generates swath-based DEMs, *GeoSpatial Solutions, 14*(2), 32-36.
Wei Shi, Fenzhen Su, Ruirui Wang, and Junfu Fan (2012), A visual circle based image registration algorithm for optical and SAR imagery, paper presented at 2012 IEEE International Geoscience and Remote Sensing Symposium (IGARSS), 22-27 July 2012, Munich, Germany, .
Wei, H., J. Ma, M. Ma, J. Wang, and X. Li (2004), Study on changes of glaciers and glacial lakes in the Pumqu Basin based on RS and GIS, *Journal of Lanzhou University.Natural Science, 20*(2), 97-100.
Wei, O. Y., F. H. Hao, Y. S. Fu, and J. X. Zhang (2008), Desert disturbance assessments of regional oil exploitation by Aster and ETM plus images in Taklimakan Desert China, *Environ. Monit. Assess., 144*(1-3), 159-168. 516

WEI, S., J. ZHANG, and J. CHEN (2007), Study on Construction Land Distribution in Fujian and Taiwan Provinces Based on Spatial Autocorrelation Analysis, *Progress in geography, 26*(3), 11-17.
Wei, X. (2008), Wavelet analysis for aboveground biomass estimate in temperate deciduous forests, 155.
Weirich, F. and L. Blesius (2007), Comparison of satellite and air photo based landslide susceptibility maps, *Geomorphology, 87*(4), 352-364.
Wei-tao, C., Z. Zhi, L. Zhi-zhong, Y. Jun-jie, and Q. Li-ping (2008), Detection and evaluation on phosphorite mining environment contamination sources using ASTER and DEM, paper presented at Remote Sensing of the Environment: 16th National Symposium on Remote Sensing of China, , SPIE - The International Society for Optical Engineering.

Welch, R., H. R. Lang, A. B. Kahle, and H. Tsu (1993), The Advanced Spaceborne Thermal Emission and Reflectance Radiometer (ASTER) stereo subsystem; a source of digital elevation models (DEMs) for earth science research; AGU 1993 spring meeting, *EOS Trans. Am. Geophys. Union, 74*(16), 194.
Welch, R. M., T. Lyons, J. Hacker, U. Nair, R. A. Pielke, S. Asefi, and Y. Wu (2006), The Impact of Land Use Change in Southwestern Australia: The Australian Bunny Fence Experiment (BuFEx-05), *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
Welch, R. M. (1993), The effects of cloud inhomogeneities upon radiative fluxes, and the supply of a cloud truth validation dataset; Topical Semiannual progress Report, January 1993, *NASA-CR-191711; NAS 1.26:191711; SA-2*, 103-103.
Welch, R. M. (1996), The effects of cloud inhomogeneities upon radiative fluxes, and the supply of a cloud truth validation dataset; Semiannual Report, July 1996, *NASA-CR-201472; NAS 1.26:201472; SA-9*, 11-11. 517

Welch, R. M. (1997), The Effects of Cloud Inhomogeneities Upon Radiative Fluxes, and the Supply of a Cloud Truth Validation Dataset; Semiannual Report, January 1997, *NASA-CR-203240; NAS 1.26:203240; SA-10*, 11-11.
Welch, R., T. Jordan, H. Lang, and H. Murakami (1998), ASTER as a source for topographic data in the late 1990's, *IEEE Trans. Geosci. Remote Sens., 36*(4), 1282-1289.
Welker, J. M., R. Sletten, B. Hallet, J. Schimel, B. Hagedorn, P. Sullivan, H. Steltzer, K. Holland, J. Horwath, S. Arens, M. Rogers, D. Garnes, and K. Perrson (2006), Biocomplexity in the High Arctic: Linearity's, interactions and hidden secrets in surface processes, *C43A-05*.
Weller, M. B. (2010), Comparison of materials detected and identified on Earth and Mars using multiband and hyperspectral sensors, *MAI*, 177 p.
Wen, X. and X. Yang (2009), The comparison of landscape metrics derived from remote sensing data before and after Wenchuan earthquake, paper presented at First International Workshop on Education Technology and Computer Science. ETCS 2009, , IEEE, Wuhan, Hubei, China.
Wen, G. Y., A. Marshak, R. F. Cahalan, L. A. Remer, and R. G. Kleidman (2007), 3-D aerosol-cloud radiative interaction observed in collocated MODIS and ASTER images of cumulus cloud fields, *Journal of Geophysical Research-Atmospheres, 112*(D13), D13204-D13204.
Wen, G., A. Marshak, and R. F. Cahalan (2008), Importance of molecular Rayleigh scattering in the enhancement of clear sky reflectance in the vicinity of boundary layer cumulus clouds, *Journal of Geophysical Research-Atmospheres, 113*, D24207, doi:10.1029/2008JD010592.
Wen, G., A. Marshak, and R. F. Cahalan (2004), 3D Cloud Radiative Effects on Aerosol Optical Thickness Retrievals in Cumulus Cloud Fields in the Biomass Burning Region in Brazil, paper presented at 2004 Fall AGU Meeting, . 518

Wendt, A., J. Wendt, F. Bown, A. Rivera, R. Zamora, C. Bravo, and G. Casassa (2009), Ice flow velocities and elevation change at Fleming Glacier, Wordie Ice Shelf, Antarctic Peninsula, *Geophysical Research Abstracts, 11*, EGU2009-11788.
Weng, Q. (2007), Estimating and Mapping Urban Impervious Surfaces: Reflection on Spectral, Spatial, and Temporal Resolutions, *EOS Transactions, American Geophysical Union, 88*(52,; Suppl. Volume 1-2).
Weng, Q. and X. Hu (2008), Medium spatial resolution satellite imagery for estimating and mapping urban impervious surfaces using LSMA and ANN, *IEEE Trans. Geosci. Remote Sens., 46*(8), 2397-2406.
Weng, Q., X. Hu, and H. Liu (2009), Estimating impervious surfaces using linear spectral mixture analysis with multitemporal ASTER images, *Int. J. Remote Sens., 30*(18), 4807-4830, doi:10.1080/01431160802665926.
Weng, Q., H. Liu, B. Liang, and D. Lu (2008), The spatial variations of urban land surface temperatures: pertinent factors, zoning effect, and seasonal variability, *IEEE Journal of Selected Topics In Applied Earth Observations And Remote Sensing, 1*(2), 154-166.
Weng, Q., U. Rajasekar, and X. Hu (2011), Modeling Urban Heat Islands and Their Relationship With Impervious Surface and Vegetation Abundance by Using ASTER Images, *IEEE Transactions on Geoscience and Remote Sensing, 49*(10, pt. 2), 4080-4089, doi:http://dx.doi.org/10.1109/TGRS.2011.2128874.
Wenting, C. and Y. Jing (2009), The urban residential construction heating-loss monitoring research based on ASTER, paper presented at 2009 Joint Urban Remote Sensing Event, May 20, 2009 - May 22, , IEEE Computer Society.

Wentz, E., D. Nelson, A. Rahman, W. Stefanov, and S. S. Roy (2008), Expert system classification of urban land use/cover for Delhi, India, *Int. J. Remote Sens., 29*(15), 4405-4427. 519

Wernicke, B. P. (2002), The geological component of EarthScope's plate boundary observatory; Geological Society of America, 2002 annual meeting, *Abstracts with Programs - Geological Society of America, 34*(6), 246.
Wessels, R., M. Ramsey, J. Dehn, and S. Senyukov (2005), Mapping Elevated Temperatures on a Thirty-Year-Old Basalt Flow of New Tolbachik Volcano Using Satellite and Ground-based Thermal Infrared, *EOS, Transactions, American Geophysical Union, 86*(52, Suppl.), Abstract V31A-0605.
Wessels, R., M. Ramsey, D. Schneider, and J. Dehn (2003), Low-level Volcano Thermal Anomaly Survey of Northern Pacific Volcanoes Using Night Time ASTER TIR, *EOS Transactions, American Geophysical Union, 51*, 0350.
Wessels, R., S. Senyukov, A. Tranbenkova, M. S. Ramsey, and D. J. Schneider (2004), Detecting small geothermal features at Northern Pacific volcanoes with ASTER thermal infrared data, *EOS Transactions, American Geophysical Union, 85*(47, Suppl), Abstract V33C-1479.
Wessels, R. L., J. S. Kargel, and H. H. Kieffer (2001), Global Land Ice Measurements from Space: Documenting the Demise of Earth's Glaciers Using ASTER.
Wessels, R. L., S. Kargel, and H. H. Kieffer (2002), ASTER measurement of supraglacial lakes in the Mount Everest region of the Himalaya, *Annals of Glaciology, 34*, 399-408.
Wessels, R. L., M. S. Ramsey, D. S. Schneider, M. Coombs, J. Dehn, and V. J. Realmuto (2006), ASTER Urgent Response to the 2006 Eruption of Augustine Volcano, Alaska: Science and Decision Support Gained From Frequent High-resolution, Satellite Thermal Infrared Imaging of Volcanic Events, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.), V41F-04.
Wessels, R. L., D. Schneider, M. Ramsey, and M. T. Mangan (2007), ASTER Observations of 2000-2007 Thermal Features at Pavlof Volcano and Mt. Hague (Emmons Lake Volcanic 520

Center), Alaska, *EOS, Transactions, American Geophysical Union, 88*(52, Suppl. Volume 1-2), V41A-0399.
Wessels, R. L., R. L. Wessels, J. S. Kargel, and H. H. Kieffer (2001), Remotely Measuring Glacial Features using ASTER and Landsat ETM+, *41*, 11.
Wessels, R. (2004), Automation of the ASTER Emergency Data Acquisition Protocol for Scientific Analyses, Disaster Monitoring and Preparedness,.
Wessels, R. L., M. L. Coombs, D. J. Schneider, J. Dehn, and M. S. Ramsey (2010), High-resolution satellite and airborne thermal infrared imaging of the 2006 eruption of Augustine Volcano, *U.S.Geological Survey Professional Paper, P 1769*, 527-552.
Wessels, R. L. and M. S. Ramsey (2000), Multi-sensor/multi-wavelength data fusion over steep volcanic terrain; analysis challenges in the next era of remote sensing; AGU 2000 fall meeting, *EOS Trans. Am. Geophys. Union, 81*(48), 1255.
Wessels, R., C. A. Neal, C. Waythomas, C. Huggel, and K. Dean (2007), Satellite measurement of glaciers on volcanoes in Alaska; building an inventory of ice extent and hazards, *Abstracts with Programs - Geological Society of America, 39*(4), 20.
Whisner, S. C. and J. E. Moersch (2005), Correlating remotely-sensed nighttime thermal radiance images with field-mapped geologic units; a terrestrial case study with applications to Mars; Lunar and planetary science, XXXVI; papers presented to the Thirty-sixth lunar and planetary science conference, *Abstracts of Papers Submitted to the Lunar and Planetary Science Conference, 36*.
Whisner, S. C., J. E. Moersch, and C. J. Hardgrove (2007), Field observations of thermoclinometric effects in Dumont Dunes, California; Lunar and planetary science, *LPI Contribution, 1338*, 2371. 521

Whiteside, T. G., G. S. Boggs, and S. W. Maier (2011), Comparing object-based and pixel-based classifications for mapping savannas, *Int. J. Appl. Earth Obs. Geoinf., 13*(6), 884-893, doi:http://dx.doi.org/10.1016/j.jag.2011.06.008.
Wickert, L. M., P. Budketwitsch, and W. A. Morris (2008), Case study 10, Lithological mapping using ASTER, Belcher Islands, Nunavut; *Open-File Report - Geological Survey of Canada, 5643*, 283-296.
Wickert, L. M., W. A. Morris, and P. Budkewitsch (2005), Effective application of ASTER imagery to geological mapping and mineral resource evaluation; GAC-MAC-CSPG-CSSS Halifax 2005; Abstracts--AGC-AMC-SCGP-SCSS; Recueil des resumes, *Program with Abstracts - Geological Association of Canada; Mineralogical Association of Canada: Joint Annual Meeting, 30*, 207.

Wickert, L. M. and P. Budkewitsch (2004), ASTER - A geological mapping tool for Canada's north. Case study: The Belcher Islands, Hudson Bay, Nunavut, Canada, paper presented at 2004 IEEE International Geoscience and Remote Sensing Symposium Proceedings: Science for Society: Exploring and Managing a Changing Planet. IGARSS 2004, Sep 20-24 2004, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Widjojo, S. and A. B. Wijanarto (2007), Classification using wavelet based fusion of ASTER VNIR with high resolution airborne SAR image, paper presented at 28th Asian Conference on Remote Sensing 2007, ACRS 2007, November 12, 2007 - November 16, 2007, Kuala Lumpur, Malaysia, , Asian Association on Remote Sensing.
Wielen, S. E., S. Oliver, A. A. Kalinowski, and J. Creasey (2005), Remotely sensed imaging of hydrothermal footprints in the Western Succession, Mount Isa Inlier, in *3D basin architecture and mineral systems in the Mt Isa Western Succession; Project I1; final report,* , vol. I1, edited by G. M. Gibson et al, Australia (AUS), Predictive Mineral Discovery Cooperative 522

Research Centre (pmd*CRC), University of Melbourne, School of Earth Sciences, Melbourne, Victoria, Australia (AUS).
Wielen, Simon E. Chopping, Richard, I. G. Roy, and A. Schofield (2007), Question 4; What are the fluid flow drivers and pathways?*, T11*.
Wientjes, I. G. M. and J. Oerlemans (2010), An explanation for the dark region in the western melt zone of the Greenland ice sheet, *Cryosphere, 4*(3), 261-268, doi:10.5194/tc-4-261-2010.
Wiest, K. R., J. M. Sauber, D. I. Doser, J. M. Hurtado, and A. A. Velasco (2004), The Relationships Between Earthquakes, Faults, and Recent Glacial Fluctuations in Southern Alaska, *53*, 0179.
Williams, A., R. Pik, P. Burnard, S. Medynski, and G. Yirgu (2009), Tectonic-magmatic interplay during the early stages of oceanic rifting; temporal constraints from cosmogenic 3He dating in the Dabbahu rift segment, Afar, *EOS Trans. Am. Geophys. Union, 90*(52, SUPPL.), Abstract T31B-1816.
Williams, D. L. and K. J. Ranson (1998), Landsat 7 and EOS AM-1 - A pre-launch status report on two significant components of NASA's Earth Science Program, paper presented at CASI, Remote Sensing Symposium, 20th, Calgary, Canada, May 10-13, 1998, , Canadian Aeronautics and Space Institute.
Williams, M. (2006), Remote Sensing, GIS and Field Techniques for Studying Glacier Changes in the Indian Himalayas: A Multi-Scale Approach Using ASTER Data, 14.
Williams, W. J., M. G. Abdelsalam, M. E. McMillan, A. K. Thurmond, and D. Ren (2003), Remote Sensing and In Situ Information: Looking at the Potrillo Volcanic Field of the Southern Rio Grande Rift in a more Spatially Integrated Way, *EOS Transactions, American Geophysical Union, 51*, 0362.
Williamson, S., M. Sharp, J. Dowdeswell, and T. Benham (2008), Iceberg calving rates from northern Ellesmere Island ice caps, Canadian Arctic, 1999-2003, *J. Glaciol., 54*(186), 391-400. 523

Willis, J. B. and R. L. Bruhn (2005), Neotectonic vs. glacial geomorphology, Susitna River lowland and margins, Alaska; Geological Society of America, 2005 annual meeting, *Abstracts with Programs - Geological Society of America, 37*(7), 560.
Willis, M. J., A. K. Melkonian, M. E. Pritchard, and J. M. Ramage (2012), Ice loss rates at the Northern Patagonian Icefield derived using a decade of satellite remote sensing, *Remote Sensing of Environment, 117*, 184-198, doi:http://dx.doi.org/10.1016/j.rse.2011.09.017.
Willis, M. J., A. K. Melkonian, M. E. Pritchard, and A. Rivera (2012), Ice loss from the Southern Patagonian Ice Field, South America, between 2000 and 2012, *Geophys. Res. Lett., 39*(17), L17501, doi:http://dx.doi.org/10.1029/2012GL053136.
Wilson, R. A., J. Dehn, A. Prakash, and R. Wessels (2007), Lava Effusion Rates from Satellite Remote Sensing for Kliuchevskoi Volcano, Kamchatka- Russia in 2007, *EOS, Transactions, American Geophysical Union, 21; 88*(52, Suppl. Volume 1-2), 0385.
Wilson, T. J., B. Csatho, T. S. Paulsen, C. Demosthenous, and Y. Felus (2001), Space-time evolution of Antarctic volcanoes; a remote sensing approach; Geological Society of America, 2001 annual meeting, *Abstracts with Programs - Geological Society of America, 33*(6), 290.
Wilson, T. and M. Wei (2004), Greenland Glacier History from ASTER,.
Wind, G., S. Schmidt, P. Pilewskie, M. King, A. Bansemer, and B. Kindel (2007), Measured and modeled solar spectral irradiance and absorption for TC4 ice and water cloud scenes, *EOS Transactions, American Geophysical Union, 88*(52,; Suppl. Volume 1-2).
Wolfe, D. F. G., M. G. Loso, and R. Dial (2008), Glacier-dammed lakes of Alaska; changes and basin characteristics 1971-2000, *Geophysical Research Abstracts, 10*, EGU2008-A-00869.

Wolfe, R. E. and H. K. Ramapriyan (2010), Scaling the PIPE: NASA EOS TERRA data systems at 10, paper presented at 2010 30th IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2010, July 25, 2010 - July 30, , Institute of Electrical and Electronics Engineers Inc, Honolulu, HI. 524

Wolken, G., J. England, M. Sharp, and A. Bush (2004), Changes in terrestrial snow and ice following the Little Ice Age in the Queen Elizabeth Islands, arctic Canada, *EOS Trans. Am. Geophys. Union, 85*(47, Suppl.), Abstract GC51A-1055.
Wolken, G. J. (2004), Trimlines and recently exposed terrain as indicators of Late Holocene climatic change in the Queen Elizabeth Islands, Arctic Canada, *Program with Abstracts - Geological Association of Canada; Mineralogical Association of Canada: Joint Annual Meeting, 29*, 49.
Wolken, G. J. (2006), High-resolution multispectral techniques for mapping former Little Ice Age terrestrial ice cover in the Canadian High Arctic, *Remote Sens. Environ., 101*(1), 104-114.
Wolken, G. J., J. H. England, and A. S. Dyke (2008), Changes in late-Neoglacial perennial snow/ice extent and equilibrium-line altitudes in the Queen Elizabeth Islands, Arctic Canada, *The Holocene, 18*(4), 615-627, doi:10.1177/0959683608089215.
Wolters, J. M., L. Godin, D. R. Watts, and N. B. W. Harris (2005), Remote sensing of gneiss domes and granite in southern Tibet; Geological Society of America, North-Central Section, 39th annual meeting, *Abstracts with Programs - Geological Society of America, 37*(5), 93.
Won, J. and J. Ryu (2002), Control factors of spectral reflectance in tidal flat: A case study in the Gomso Bay, Korea, paper presented at 2002 IEEE International Geoscience and Remote Sensing Symposium (IGARSS 2002), Jun 24-28 2002, , Institute of Electrical and Electronics Engineers Inc.
Wong, M. S. and J. E. Nichol (2013), Spatial variability of frontal area index and its relationship with urban heat island intensity, *Int. J. Remote Sens., 34*(3), 885-896, doi:http://dx.doi.org/10.1080/01431161.2012.714509.
Wooster, M. (2007), Remote sensing: sensors and systems, *Prog. Phys. Geogr., 31*(1), 95-100. 525

Wooster, M. J., W. Xu, and T. Nightingale (2012), Sentinel-3 SLSTR active fire detection and FRP product: Pre-launch algorithm development and performance evaluation using MODIS and ASTER datasets, *Remote Sensing of Environment, 120*, 236-254, doi:http://dx.doi.org/10.1016/j.rse.2011.09.033.
Wright, R., S. A. Carn, and L. P. Flynn (2005), A satellite chronology of the May-June 2003 eruption of Anatahan Volcano; The 2003 eruption of Anatahan Volcano, Commonwealth of the Northern Mariana Islands, *J. Volcanol. Geotherm. Res., 146*(1-3), 102-116, doi:10.1016/j.jvolgeores.2004.10.021.
Wright, R. (1999), Infrared satellite studies of Mount Etna volcano: 1991 to 1999, *DAI, 61*(03C), 756-756.
Wright, R., H. Garbeil, and A. G. Davies (2010), Cooling rate of some active lavas determined using an orbital imaging spectrometer, *Journal of Geophysical Research-Solid Earth, 115*, B06205, doi:10.1029/2009JB006536.
Wright, R., D. A. Rothery, S. Blake, A. J. L. Harris, and D. C. Pieri (1999), Simulating the response of the EOS terra ASTER sensor to high-temperature volcanic targets, *Geophys. Res. Lett., 26*(12), 1773-1776.
Wright, R., D. A. Rothery, S. Blake, and D. C. Pieri (2000), Improved remote sensing estimates of lava flow cooling; a case study of the 1991-1993 Mount Etna eruption, *Journal of Geophysical Research, 105*(B10), 23-23,694.
Wright, S. P. and M. S. Ramsey (2002), End member analyses of spaceborne thermal infrared data of meteor crater, Arizona and application to future Mars data sets, paper presented at Solar System Remote Sensing; Pittsburgh, PA; Sept. 20-21, 2002, , Lunar and Planetary Institute. 526

Wright, S. P. and M. S. Ramsey (2003), Spaceborne thermal infrared data analysis of meteor crater, Arizona: Analog for THEMIS data of a small impact crater in Syrtis Major, *34th Lunar and Planetary Science Conference; Abstracts of Papers, LPI Contribution No. 1156*.
Wright, S. P. and M. S. Ramsey (2006), Thermal infrared data analyses of Meteor Crater, Arizona: implications for Mars spaceborne data from the Thermal Emission Imaging System, *Journal of Geophysical Research-Part E-Planets, 111*(E2), 16.
Wright, S. P. (2003), Thermal infrared data analyses of Meteor Crater, Arizona; implications for Mars spaceborne data from the Thermal Emission Imaging System,.
Wu, Z. and X. Li (2003), GIS-based glacier inventory of China, IUGG, [location varies].

Wulder, M. A., J. C. White, S. N. Goward, J. G. Masek, J. R. Irons, M. Herold, W. B. Cohen, T. R. Loveland, and C. E. Woodcock (2008), Landsat continuity: Issues and opportunities for land cover monitoring, *Remote Sens. Environ., 112*(3), 955-969.
Wulder, M. A., C. R. Butson, and J. C. White (2008), Cross-sensor change detection over a forested landscape: Options to enable continuity of medium spatial resolution measures, *Remote Sens. Environ., 112*(3), 796-809.
Wynn, J. C., J. L. Mars, F. Gray, A. P. Schultz, F. A. Maldonado, F. A. Villasenor, and L. M. Brady-Norman (2003), ASTER imagery and aeromagnetic data; powerful tools to aid reconnaissance geologic mapping of the Sierra San Jose Mountain Range, northern Sonora State, Mexico; Symposium on The application of geophysics to engineering and environmental problems, paper presented at Symposium on The application of geophysics to engineering and environmental problems, San Antonio, TX, United States, April 6-10, 2003, , Environmental and Engineering Geophysical Society, Wheat Ridge, CO, United States (USA).
Wyss, D. and M. Fimiarz (2006), Forest fire mapping in mongolia - The use of modis active fire products for strategic fire management, paper presented at 27th Asian Conference on Remote 527

Sensing, ACRS 2006, October 9, 2006 - October 13, 2006; Ulaanbaatar, Mongolia, , Asian Association on Remote Sensing.
Xavier, J. P. (2003), New remote sensing data and techniques in North African frontier zones; Abstracts; AAPG Hedberg conference; Paleozoic and Triassic petroleum systems in North Africa, paper presented at AAPG Hedberg conference; Paleozoic and Triassic petroleum systems in North Africa, , American Association of Petroleum Geologists, Tulsa, OK, United States (USA), Algiers, Algeria.
Xia, J., T. Tashpolat, F. Zhang, Z. Cai, J. Wei, and H. Ji (2012), Thermal infrared emissivity spectrum and its characteristics of natural surface objects in coalfield fires area, *Meitan Xuebao/Journal of the China Coal Society, 37*(12), 2053-2059.
Xian, G., M. Crane, and C. McMahon (2008), Quantifying multi-temporal urban development characteristics in Las Vegas from Landsat and ASTER data, *Photogramm. Eng. Remote Sensing, 74*(4), 473-481.
Xiang, T., X. Wang, X. Zhou, and Z. Gao (2006), Land Use, *Remote sensing Technology and Application, 21*(6), 527-531.
Xiao, D., K. Xiong, A. Lan, and Y. An (2006), Correlation Analysis between Karst Rocky Desertification and Lithology in Suiyang County, Guizhou Province, *Earth and Environment, 34*(2), 77-81.
Xiao, Z., J. Wang, S. Liang, H. Zhou, X. Li, L. Zhang, Z. Jiao, Y. Liu, and Z. Fu (2012), Variational retrieval of leaf area index from MODIS time series data: Examples from the Heihe river basin, north-west China, *Int. J. Remote Sens., 33*(3), 730-745, doi:http://dx.doi.org/10.1080/01431161.2011.577826.
Xie, Y. and X. Xiong (2011), On-Orbit Spatial Characterization of MODIS With ASTER Aboard the Terra Spacecraft, *IEEE Geoscience and Remote Sensing Letters, 8*(5), 993-996, doi:http://dx.doi.org/10.1109/LGRS.2011.2147276. 528

Xing Dong-xing and Chang Qing-rui (2009), Research on Identification of Species of Fruit Trees by Spectral Analysis, *Spectroscopy and Spectral Analysis/Guang Pu Xue Yu Guang Pu Fen Xi, 29*(7), 1937-1940, doi:10.3964/j.issn.1000-0593(2009)07-1937-04.
Xing, D. and Q. Chang (2009), Identification of species of fruit trees based on the spectral reflectance of canopies of fruit trees during flowering period, *Hongwai Yu Haomibo Xuebao/Journal of Infrared and Millimeter Waves, 28*(3), 207-211.
Xing, Q., Z. Li, J. Zhou, and P. Zhang (2011), Comparison of ASTER GDEM and SRTM DEM in deriving the thickness change of Small Dongkemadi Glacier on Qinghai-Tibetan Plateau, paper presented at 2011 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2011, July 24, 2011 - July 29, 2011, , Institute of Electrical and Electronics Engineers Inc, Vancouver, BC, Canada.
Xing, Y., L. Wang, and E. Westinga (2004), Assessment of degraded mattoral land using remote sensing imagery in Guadalteba Area, Spain, *Journal of Forestry Research, 15*(2), 145-149.
Xing, Y., Q. Jiang, Y. Li, H. Cui, and N. Lin (2010), Extracting phaeozem information in Songliao Plain based on remote sensing and GIS, *Nongye Gongcheng Xuebao/Transactions of the Chinese Society of Agricultural Engineering, 26*(10), 212-217.
Xiong, X., J. Butler, W. L. Barnes, and B. Guenther (2007), Sensor On-orbit Calibration and Characterization Using Spacecraft Maneuvers, paper presented at International Geoscience and Remote Sensing Symposium (IGARRS) meeting, , Barcelona Spain.

Xiong, Y. (2011), Emplacement of Bela and Muslim Bagh Ophiolites and Significance of India-Asia Collision in Western Pakistan, 152, doi:http://gradworks.umi.com/34/75/3475596.html.
Xiong, Y., S. D. Khan, L. Chen, and K. Mahmood (2007), Reflectance spectroscopy and hyperspectral remote sensing for mapping ophiolites in western Pakistan, *Abstracts with Programs - Geological Society of America, 39*(6), 572. 529

Xiong, Y., S. D. Khan, K. Mahmood, and V. B. Sisson (2011), Lithological mapping of Bela ophiolite with remote-sensing data, *Int. J. Remote Sens., 32*(16), 4641-4658.
Xu, B., P. Gong, G. Biging, S. Liang, E. Seto, and R. Spear (2004), Snail density prediction for schistosomiasis control using Ikonos and ASTER images, *Photogramm. Eng. Remote Sensing, 70*(11), 1285-1294.
Xu, H. (2008), A new remote sensing index for fastly extracting impervious surface information, *Geomatics and Information Science of Wuhan University, 33*(11), 1150-1153.
Xu, H. (2010), Analysis of Impervious Surface and its Impact on Urban Heat Environment using the Normalized Difference Impervious Surface Index (NDISI), *Photogramm. Eng. Remote Sensing, 76*(5), 557-565.
Xu, H. and T. Zhang (2011), Comparison of landsat-7 ETM+ and ASTER NDVI measurements, paper presented at Remote Sensing of the Environment: The 17th China Conference on Remote Sensing, August 27, 2010 - August 31, 2010, , SPIE, Hangzhou, China.
Xu, H. and T. Zhang (2013), Assessment of consistency in forest-dominated vegetation observations between ASTER and Landsat ETM plus images in subtropical coastal areas of southeastern China, *Agric. For. Meteorol., 168*, 1-9, doi:http://dx.doi.org/10.1016/j.agrformet.2012.08.012.
Xu, H. and T. Zhang (2011), Cross comparison of ASTER and landsat ETM+ multispectral measurements for NDVI and SAVI vegetation indices, *Spectroscopy and Spectral Analysis/Guang Pu Xue Yu Guang Pu Fen Xi, 31*(7), 1902-1907.
Xu, H., T. Zhang, and C. Li (2011), Cross comparison of thermal infrared data between ASTER and Landsat ETM+ sensors, *Geomatics and Information Science of Wuhan University, 36*(8), 936-940+1007. 530

Xu, J. C., X. H. Ai, and X. Q. Deng (2005), Exploring the spatial and temporal dynamics of land use in Xizhuang watershed of Yunnan, southwest China, *International Journal of Applied Earth Observation and Geoinformation, 7*(4), 299-309.
Xu, K., C. Kong, Y. Shuai, C. Cao, and S. Yan (2007), Extracting lithologic information from ASTER multispectral thermal infrared data in the eastern Kunlun, paper presented at MIPPR 2007: Remote Sensing and GIS Data Processing and Applications; and Innovative Multispectral Technology and Applications, , SPIE, Bellingham WA, WA 98227-0010, United States.
Xu, L., R. Niu, Y. Zhao, J. Li, and T. Wu (2009), Snow cover mapping over the tibetan plateau with MODIS and ASTER data, paper presented at 2nd International Conference on Earth Observation for Global Changes, May 25, 2009 - May 29, , SPIE, Chengdu, China.
Xu, L., J. Shi, H. Zhang, and S. Wu (2005), Fractional snow cover estimation in Tibetan Plateau using MODIS and ASTER, paper presented at 2005 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2005, Jul 25-29 2005, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Xu, S. and Z. Qing (2006), Extraction of Vegetation Information Based on the ASTER Remote Sensing Imageâ€"â€"taking the Oinghai Lake area as the example, *Remote Sensing Information*(2), 59-62.
Xu, T., W. Yang, Y. Liu, C. Zhou, and Z. Wang (2011), Crevasse detection in antarctica using ASTER images, paper presented at 8th International Conference on Image Analysis and Recognition, ICIAR 2011, June 22, 2011 - June 24, 2011, , Springer Verlag, Burnaby, BC, Canada.
Xu, W., M. J. Wooster, and C. S. B. Grimmond (2008), Modelling of urban sensible heat flux at multiple spatial scales: A demonstration using airborne hyperspectral imagery of Shanghai and a temperature-emissivity separation approach, *Remote Sens. Environ., 112*(9), 3493-3510. 531

Xu, Y., Q. Lin, Y. Shao, and L. Wang (2004), Extraction mechanism of alteration zones using ASTER imagery, paper presented at 2004 IEEE International Geoscience and Remote Sensing Symposium Proceedings: Science for Society: Exploring and Managing a Changing Planet. IGARSS 2004, Sep 20-24 2004, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.

Yager, D. B., R. H. Johnson, B. W. Rockwell, K. S. Smith, and D. J. Bove (2010), A GIS and statistical approach to aid in water quality prediction in mineralized terrain, *Abstracts with Programs - Geological Society of America, 42*(5), 214.
Yajima, T., K. R. Gwandu, and M. A. Sigweni (2011), Mapping mafic and ultramafic units using remote sensing data in north east Botswana, paper presented at 2011 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2011, July 24, 2011 - July 29, 2011, , Institute of Electrical and Electronics Engineers Inc, Vancouver, BC, Canada.
Yajima, T. and H. Qingcheng (2005), Mineral resource exploration using advanced remote sensing data, paper presented at Sustainable development of geo-resources and geo-environment, Beijing, , CCOP Technical Secretariat, China.
YAJIMA, T., K. YAMAMOTO, K. YAMAMOTO, and T. HAYASHI (2007), Identification of Hydrothermal Alteration Zones for Exploration of Porphyry Copper Deposits Using ASTER Data, *Journal of Remote Sensing Society of Japan, 27*(2), 117-128.
Yamada Takahiro, Haraikawa Yuki, H. K. , T. Tsutsumi, and T. Hoshi (2005), Application of ASTER data for environment monitoring of the river having stoppage operation.
Yamaguchi Hirofumi and N. R. (2005), Investigation on the Improvement of Extraction Accuracy and S/N dependency of 3-Dimensional Image Information using the Multi-directional Image Data.
Yamaguchi, H. and R. Nagura (2005), Investigation on the Extraction Accuracy of 3-Dimensional Image Information using the Multi-directional Imaging, *IEIC Technical Report* 532

(Institute of Electronics, Information and Communication Engineers, 105,NO.314(EID2005 14-22), PAGE.21-24.
Yamaguchi, H., Takahashi Fumiho, and N. R. (2006), Investigation on the Extraction Accuracy of 3-Dimensional Image Information using the Multi-directional Imaging including random Noise, *Research Reports of Kanagawa Institute of Technology.Part B.Science and Technology, NO.30*, PAGE.43-46.
Yamaguchi, H., Terachi Shigeyuki, Takahashi Fumiho, and N. R. (2005), Investigation on the Extraction Accuracy of 3-Dimensional Image Information using the Multi-directional Imaging including random Noise, *IEIC Technical Report (Institute of Electronics, Information and Communication Engineers, 104,NO.573(PRMU2004 163-178)*, PAGE.63-65.
Yamaguchi, S., Y. Nakayama, and G. Mu (2004), Comparison between satellite DEM data with field measurement for relative height of terraces around a closed lake.
Yamaguchi, S., Y. Nakayama, and G. Mu (2004), Experimental analysis of paleoenvironmental change in lakes of arid region by ASTER DEM data.
Yamaguchi, Y. (2001), Aster Performance and Image Evaluation, *Bulletin of Academic Frontier Research in Hiroshima Institute of Technology.Research on Generation of Advanced Earth Environmental Information*, PAGE.437-445.
Yamaguchi, Y., H. Fujisada, A. B. Kahle, H. Tsu, M. Kato, H. Watanabe, I. Sato, and M. Kudoh (2001), ASTER instrument performance, operation status, and application to Earth sciences, paper presented at 2001 International Geoscience and Remote Sensing Symposium (IGARRS 2001), Jul 9-13 2001, , Institute of Electrical and Electronics Engineers Inc.
Yamaguchi, Y., H. Fujisada, M. Kudoh, T. Kawakami, H. Tsu, A. B. Kahle, and M. Pniel (1999), ASTER instrument characterization and operation scenario, *Advances in Space Research, 23*(8), 1415-1424.
533

Yamaguchi, Y., H. Fujisada, H. Tsu, I. Sato, H. Watanabe, M. Kato, M. Kudoh, A. B. Kahle, and M. Pniel (2001), ASTER early image evaluation, *Advances in Space Research, 28*(1), 69-76.
Yamaguchi, Y., H. Hase, and K. Ogawa (1992), Remote-Sensing for Geothermal Applications, *Episodes, 15*(1), 62-67.
Yamaguchi, Y., A. B. Kahle, H. Tsu, H. Fujisada, I. Sato, M. Kudoh, H. Watanabe, M. Kato, and M. Pniel (2001), ASTER Instrument and Data Product Overview,.
Yamaguchi, Y. and C. Naito (2003), Spectrail indices for lithologic discrimination and mapping by using the ASTER SWIR bands, *Int. J. Remote Sens., 24*(22), 4311-4323.
Yamaguchi, Y., I. Sato, and H. Tsu (1992), ITIR design concept and science missions, paper presented at In: The use of EOS for studies of atmospheric physics; Proceedings of the International School of Physics (Enrico Fermi), Course 115, Varenna, Italy, Jun. 26 - Jul. 6, 1990 . A95-89225, , North-Holland.

Yamaguchi, Y., H. Tsu, H. Fujisada, A. Kahle, and D. Nichols (1994), ASTER instrument design and science objectives (Advanced Spaceborne Thermal Emission and Reflection Radiometer), paper presented at AIAA, Aerospace Sciences Meeting and Exhibit, 32nd, Reno, NV; UNITED STATES; 10-13 Jan. 1994, .
YAMAGUCHI, Y. (1992), In-flight cross-calibration of ASTER/TIR and MODIS-N, paper presented at NASA. Goddard Space Flight Center, The Fifth Calibration/Data Product Validation Panel Meeting, .
Yamaguchi, Y. (1994), Remote sensing of the Earth and planets, *Chishitsu News, 1994*(1(473)), 43-49.
Yamaguchi, Y. (1995), Application of ASTER Data to Geological Studies. *Journal of Remote Sensing Society of Japan, 15,NO.2*, PAGE.142-147. 534

Yamaguchi, Y. (1996), Earth Observation by ASTER . *Journal of the Japan Society of Photogrammetry and Remote Sensing, 35,NO.1*, PAGE.52-57.
Yamaguchi, Y., M. J. Abrams, M. Kato, H. Watanabe, and H. Tsu (2005), ASTER science outcome and operation status, paper presented at 2005 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2005, Jul 25-29 2005, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Yamaguchi, Y., A. B. Kahle, H. Tsu, T. Kawakami, and M. Pniel (1998), Overview of Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER), *IEEE Trans. Geosci. Remote Sens., 36*(4), 1062-1071.
Yamaguchi, Y., Kawakami Tooru, and W. H. (1995), Investigation of ASTER operation senario.
Yamaguchi, Y. and Y. Maruyama (1999), History and Current Status of Geologic Remote Sensing . *Journal of Remote Sensing Society of Japan, 19,NO.5*, PAGE.340-350.
Yamaguchi, Y. and C. Naito (1999), Spectral indices for lithologic discrimination using the ASTER SWIR bands; Proceedings of the thirteenth international conference; Applied geologic remote sensing, paper presented at Thirteenth international conference on Applied geologic remote sensing, Vancouver, BC, Canada, March 1-3, 1999, , Environmental Research Institute of Michigan, Ann Arbor, MI, United States (USA).
Yamaguchi, Y., L. C. Rowan, H. Tsu, A. B. Kahle, and Environmental Research Institute of Michigan, Ann Arbor, MI,United States (USA) (1996), Application of ASTER data to geological studies; Proceedings of the Eleventh thematic conference on geologic remote sensing; practical solutions for real world problems, paper presented at Eleventh thematic conference on Applied geologic remote sensing, Las Vegas, NV, United States, Feb. 27-29, 1996, , Environmental Research Institute of Michigan, Ann Arbor, MI, United States (USA).
Yamaguchi, Y., H. Tsu, and H. Fujisada (1993), Scientific basis of ASTER instrument design (Advanced Spaceborne Thermal Emission and Reflection Radiometer), paper presented at 535

Sensor systems for the early earth observing system platforms; Proceedings of the Conference, Orlando, FL; UNITED STATES; 13-14 Apr. 1993, , Bellingham.
Yamaguchi, Y., H. Tsu, H. Fujisada, and A. Ono (1992), Mission and design concept of advanced spaceborne thermal emission and reflection radiometer (ASTER); 29th international geological congress; abstracts, *International Geological Congress, Abstracts--Congres Geologique Internationale, Resumes, 29*, 983.
Yamaguchi, Y., H. Tsu, T. Kawakami, H. Watanabe, A. B. Kahle, D. A. Nichols, and A. D. Morrison (1995), ASTER data acquisition scenario, paper presented at Advanced and Next-Generation Satellites, Sep 25-28 95, , Society of Photo-Optical Instrumentation Engineers, Bellingham, WA, USA.
Yamaguchi, Y., H. Tsu, and I. Sato (1991), Japanese mission overview of JERS and ASTER programs, paper presented at Future European and Japanese Remote-Sensing Sensors and Programs, Apr 1-2 1991, , Publ by Int Soc for Optical Engineering, Bellingham, WA, USA.
Yamamoto, H., A. Kamei, R. Nakamura, N. Yamamoto, K. Iwao, S. Tsuchida, Y. Tanaka, and S. Sekiguchi (2010), Field Sensor Virtual Organization Integrated with Satellite Data on a Geo Grid, *Data Science Journal, 8*, IGY21-IGY31, doi:http://dx.doi.org/10.2481/dsj.SS_IGY-015.
Yamamoto, H., S. Tsuchida, and H. Yoshioka (2008), A study on ASTER/MODIS radiometric and atmospheric correction, paper presented at 2008 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2008, , IEEE.
Yamamoto, H., A. Kamei, M. Moriyama, and S. Tsuchida (2010), An assessment of ASTER surface reflectance products generated by GEO Grid, paper presented at Remote Sensing and Modeling of Ecosystems for Sustainability VII, , SPIE, San Diego, CA.

Yamamoto, H., A. Kamei, R. Nakamura, and S. Tsuchida (2011), Long-term cross-calibration of the Terra ASTER and MODIS over the CEOS calibration sites, paper presented at Earth Observing Systems XVI, August 23, 2011 - August 25, 2011, , SPIE, San Diego, CA. 536

Yamamoto, H., T. Miura, and S. Tsuchida (2012), Advanced Spaceborne Thermal Emission and Reflection Radometer (ASTER) Enhanced Vegetation Index (EVI) Products from Global Earth Observation (GEO) Grid: An Assessment Using Moderate Resolution Imaging Spectroradiometer (MODIS) for Synergistic Applications, *Remote Sens., 4*(8), 2277-2293, doi:http://dx.doi.org/10.3390/rs4082277.
Yamamoto, K. and T. Yajima (2004), Detection of minerals containing NH4+ using ASTER and Hyperion data.
Yamamoto, M., Yoshida Takeshi, S. Y. , and T. Matsunaga (2002), Estimation of water temperature and turbidity in Lake Shinji and Lake Nakaumi using ASTER data 2000-2002.
Yamamoto, M., Yoshida Takeshi, S. Y. , and T. Matsunaga (2003), Validation of water temperature estimated from ASTER /TIR data of day and night at the lake and the bay in Japan.
Yamamoto, N., R. Nakamura, H. Yamamoto, S. Tsuchida, I. Kojima, Y. Tanaka, and S. Sekiguchi (2006), GEO grid: Grid infrastructure for integration of huge satellite imagery and geoscience data sets, paper presented at 6th IEEE International Conference on Computer and Information Technology, CIT 2006, , Institute of Electrical and Electronics Engineers Computer Society, Piscataway, NJ 08855-1331, United States.
Yamamoto, S., T. Kozu, T. Shimomai, S. Nonohara, and Y. Sakuno (2007), Estimation of Turbidity in Lakes Shinji and Nakaumi from MODIS, *LAGUNA, 14*, 57-68, doi:http://sir.lib.shimane-u.ac.jp/metadb/up/bull.pl?id=6585.
Yamamoto, T., K. Isobe, and T. Sugimura (2004), Interpretation of change pattern at Siberia alas by CORONA and ASTER imageries.
Yamamoto, Y., J. Kashiwagi, and S. Sukchan (2005), Availability of QuickBird for land resource management in northern Laos, paper presented at 26th Asian Conference on Remote Sensing, 537

ACRS 2005 and 2nd Asian Space Conference, ASC, November 7, 2005 - November 11, 2005, Ha Noi, Viet nam, , Asian Association on Remote Sensing.
Yamano, H. (2007), The use of multi-temporal satellite images to estimate intertidal reef-flat topography, *Journal of Spatial Science, 52*(1), 73-79.
Yamano, H., H. Shimazaki, T. Matsunaga, A. Ishoda, C. McClennen, H. Yokoki, K. Fujita, Y. Osawa, and H. Kayanne (2006), Evaluation of various satellite sensors for waterline extraction in a coral reef environment: Majuro Atoll, Marshall Islands, *Geomorphology, 82*(3-4), 398-411.
Yamazaki, F., K. Kouchi, and M. Matsuoka (2006), Tsunami damage detection using moderate-resolution satellite imagery, paper presented at 8th US National Conference on Earthquake Engineering 2006, April 18, 2006 - April 22, 2006, San Francisco, CA, , Earthquake Engineering Research Institute.
YAN, W. (2006), Extraction of Thermal Features Using Satellite Sensed Images and Discussion of Brightness Temperature Characteristics, *Journal of Geography, 115*(4), 448-465.
YAN, B., S. LIU, R. WANG, F. GAN, W. CHEN, and S. YANG (2006), Quantitative inversion of the SiO2 content in surface rocks using thermal infrared remote sensing, *Geological Bulletin of China, 25*(5), 639-643.
Yan, G., J. -. Mas, B. H. P. Maathuis, Z. Xiangmin, and P. M. Van Dijk (2006), Comparison of pixel-based and object-oriented image classification approaches - A case study in a coal fire area, Wuda, Inner Mongolia, China, *Int. J. Remote Sens., 27*(18), 4039-4055.
Yan, Y. E., R. Becker, M. Sultan, and E. Ballerstein (2003), Development of the Tushka Lakes in the south Western Desert of Egypt, *Abstracts with Programs - Geological Society of America, 35*(6), 315.
Yan, Z., Q. Huang, J. Chang, and Y. Wang (2008), Analysis and dynamic monitoring of land use in the main stream of Tarim river valley using remote sensing, *Nongye Gongcheng Xuebao/Transactions of the Chinese Society of Agricultural Engineering, 24*(3), 119-123. 538

Yan, Z., X. Wang, Q. Huang, F. Gao, R. Wang, and R. Zhuo (2010), Effects of Emergent Water Project on vegetation coverage and its types in the lower reaches of Tarim River, paper presented at 6th International Symposium on Digital Earth: Data Processing and Applications, September 9, 2009 - September 12, , SPIE, Beijing, China.

Yang, C., R. Fan, Q. Jiang, and W. Liu (2011), Alteration minerals extracting methods in Da Xing'anling, using ASTER imagery, paper presented at 2011 International Conference on Remote Sensing, Environment and Transportation Engineering, RSETE 2011, June 24, 2011 - June 26, 2011, , IEEE Computer Society, Nanjing, China.
Yang, C., Q. Jiang, W. Liu, and D. Qiu (2009), Hydrothermal alteration mapping using ASTER data in northern Dong Ujimqin, Inner Mongolia, *Jilin Daxue Xuebao (Diqiu Kexue Ban)/Journal of Jilin University (Earth Science Edition), 39*(6), 1163-1167.
Yang, G., W. Huang, J. Wang, and C. Zhao (2011), Estimation of subpixel temperature over a heterogeneous area using an endmember index based technique, paper presented at 2011 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2011, July 24, 2011 - July 29, 2011, , Institute of Electrical and Electronics Engineers Inc, Vancouver, BC, Canada.
Yang, G., Q. Liu, Q. Liu, and X. Gu (2007), Estimating subpixel surface temperature coupling retrieval land surface parameters with GA-SOFM neural network, *Beijing Daxue Xuebao (Ziran Kexue Ban)/Acta Scientiarum Naturalium Universitatis Pekinensis, 43*(4), 484-492.
Yang, G., Q. Liu, Q. Liu, and X. Gu (2007), Fusion of visible and thermal infrared remote sensing data based on GA-SOFM neural network, *Geomatics and Information Science of Wuhan University, 32*(9), 787-790.
Yang, G., R. Pu, W. Huang, J. Wang, and C. Zhao (2010), A Novel Method to Estimate Subpixel Temperature by Fusing Solar-Reflective and Thermal-Infrared Remote-Sensing Data With an Artificial Neural Network, *IEEE Trans. Geosci. Remote Sens., 48*(4), 2170-2178, doi:10.1109/TGRS.2009.2033180. 539

Yang, G., R. Pu, C. Zhao, W. Huang, and J. Wang (2011), Estimation of subpixel land surface temperature using an endmember index based technique: A case examination on ASTER and MODIS temperature products over a heterogeneous area, *Remote Sensing of Environment, 115*(5), 1202-1219, doi:http://dx.doi.org/10.1016/j.rse.2011.01.004.
Yang, G., Y. Shi, and R. Wang (2012), Retrieving and assessing land surface temperature from ASTER data, paper presented at 2012 First International Conference on Agro-Geoinformatics (Agro-Geoinformatics), 2-4 Aug. 2012, Shanghai, , IEEE.
Yang, H., L. Zhang, Q. Tong, and X. Cheng (2011), An optimized emissivity and temperature separation from hyperspectral thermal infrared data, paper presented at 32nd Asian Conference on Remote Sensing 2011, ACRS 2011, October 3, 2011 - October 7, 2011, Tapei, Taiwan, , Asian Association on Remote Sensing.
Yang, H., Y. Liua, Y. Yang, and C. Zhang (2009), Estimation and analysis of land surface water and heat fluxes in mountain-plain area based on remote sensing and DEM, paper presented at G2009 17th International Conference on Geoinformatics, Geoinformatics 2009eoinformatics, 2009 17th International Conference on, , IEEE, Fairfax, VA.
Yang, J., Q. Jiang, H. Zhang, and X. Li (2011), Mineralization information extracted based on spectral angle mapping and SVM: A case study in Inner Mongolia, Ulan Chubb, paper presented at 2011 International Conference on Remote Sensing, Environment and Transportation Engineering, RSETE 2011, June 24, 2011 - June 26, 2011, , IEEE Computer Society, Nanjing, China.
Yang, J., F. J. Artigas, and Y. Wang (2005), Mapping impervious surface for new jersey watershed management area 5 using aster imagery, paper presented at American Society for Photogrammetry and Remote Sensing - Annual Conference 2005 - Geospatial Goes Global: From Your Neighborhood to the Whole Planet, March 7, 2005 - March 11, 2005, Baltimore, MD, , American Society for Photogrammetry and Remote Sensing. 540

Yang, K., Y. Chen, and M. Li (2012), Accumulated similarity surface for spatial interpolation, paper presented at Proceedings - 2012 20th International Conference on Geoinformatics, Geoinformatics 2012, June 15, 2012 - June 17, 2012, Hong Kong, China, , IEEE Computer Society.
Yang, K., M. Li, Y. Liu, L. Cheng, and Y. Chen (2012), Accumulated similarity surface tor spatial weights matrix construction, *Cehui Xuebao/Acta Geodaetica et Cartographica Sinica, 41*(2), 259-265+272.
Yang, L., X. Meng, and X. Zhang (2011), SRTM DEM and its application advances, *Int. J. Remote Sens., 32*(14), 3875-3896, doi:10.1080/01431161003786016.
Yang, X. and L. Chen (2010), Using multi-temporal remote sensor imagery to detect earthquake-triggered landslides, *International Journal of Applied Earth Observation and Geoinformation, 12*(6), 487-495, doi:10.1016/j.jag.2010.05.006.

Yang, X., W. Zhang, G. Tang, and M. Zhu (2010), A study of aster GDEM denoising based on hydrological analysis, paper presented at 2nd International Conference on Information Science and Engineering, ICISE2010, December 4, 2010 - December 6, , IEEE Computer Society, Hangzhou, China.
Yang, Y., R. -. Chen, and X. -. Ji (2007), Variations of Glaciers in the Yeniugou Watershed of Heihe River Basin from 1956 to 2003, *J. Glaciol. Geocryol., 29*(1), 100-106.
Yang, Y., Y. Liu, R. Ruan, C. Ye, and P. Lu (2012), Scale-induced uncertainty in MODIS-based land cover classification, *Journal of Remote Sensing, 16*(4), 868-880.
Yang-Lang Chang, Jyh-Perng Fang, Wen-Yew Liang, L. Chang, and Kun-Shan Chen (2008), Multisource image classification based on parallel minimum classification error learning, paper presented at IGARSS 2008 - 2008 IEEE International Geoscience and Remote Sensing Symposium, , IEEE. 541

Yang-Lang Chang, Jyh-Perng Fang, Wen-Yew Liang, L. Chang, H. Ren, and Kun-Shan Chen (2008), A parallel simulated annealing approach to band selection for hyperspectral imagery, paper presented at 2008 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2008, , IEEE.
Yao Yun-jun, N. Peng, Zhang Zhao-lu, and Li Bai-shou (2007), Application of split window algorithm in land surface temperature retrieval from thermal infrared remote sensing data, *Journal of Lanzhou University of Technology, 33*(6), 89-92.
Yao, H., D. Lewis, and R. Kincaid (2006), Using ASTER image for soybean plant residue coverage estimation, paper presented at Optics for Natural Resources, Agriculture, and Foods, Oct 3-4 2006, , International Society for Optical Engineering, Bellingham WA, WA 98227-0010, United States.
Yao, L. and Y. Yang (2009), Research on regularization super resolution reconstruction algorithm based on ASTER image, paper presented at MIPPR 2009 - Remote Sensing and GIS Data Processing and Other Applications: 6th International Symposium on Multispectral Image Processing and Pattern Recognition, October 30, 2009 - November 1, , SPIE, Yichang, China.
Yao, X., S. Liu, M. Sun, J. Wei, and W. Guo (2012), Volume calculation and analysis of the changes in moraine-dammed lakes in the north Himalaya: a case study of Longbasaba lake, *J. Glaciol., 58*(210), 753-760, doi:http://dx.doi.org/10.3189/2012JoG11J048.
Yarbrough, L. D. (2006), The legacy of the Tasseled Cap Transform: A development of a more robust Kauth-Thomas Transform derivation, 175.
Yarbrough, L. D., G. Easson, and J. S. Kuszmaul (2005), Using at-sensor radiance and reflectance Tasseled Cap transforms applied to change detection for the ASTER sensor, paper presented at 3rd International Workshop on the Analysis of Multi-Temporal Remote Sensing Images 2005, May 16-18 2005, , Institute of Electrical and Electronics Engineers Computer Society, Piscataway, NJ 08855-1331, United States. 542

Yarbrough, L. D., G. Easson, and J. S. Kuszmaul (2012), Proposed workflow for improved Kauth-Thomas transform derivations, *Remote Sens. Environ., 124*, 810-818, doi:http://dx.doi.org/10.1016/j.rse.2012.05.003.
Yasui, K., K. Koike, and J. Ito (2009), Improving identification accuracy of surface materials by joint use of optical sensor and polarimetric SAR, *Geoinformatics/Joho Chishitsu, 20*(2), 90-91.
Yasuoka, Y. (1995), Application of ASTER to Terrestrial Ecosystem Monitoring. *Journal of Remote Sensing Society of Japan, 15,NO.2*, PAGE.170-174.
Yatsu, I., K. Yabe, D. Kunii, G. Saito, and S. Ogawa (2008), Agricultural characteristics and interpretation of cyclone damage in Myanmar using satellite data, paper presented at 29th Asian Conference on Remote Sensing 2008, ACRS 2008, November 10, 2008 - November 14, 2008, Colombo, Sri Lanka, , Asian Association on Remote Sensing.
Ye, Q., T. Yao, S. Kang, F. Chen, and J. Wang (2006), Glacier variations in the Naimona'nyi region, western Himalaya, in the last three decades; Papers from the international symposium on High-elevation glaciers and climate records, *Annals of Glaciology, 43*, 385-389.
Ye, Q., Z. Zhong, S. Kang, A. Stein, Q. Wei, and J. Liu (2009), Monitoring Glacier and Supra-glacier Lakes from Space in Mt. Qomolangma Region of the Himalayas on the Tibetan Plateau in China, *Journal of Mountain Science, 6*(3), 211-220, doi:10.1007/s11629-009-1016-4.
Ye, F. and D. Liu (2008), Extraction of reduced alteration information based on Aster data: A case study of the Bashibulake uranium ore district, paper presented at International Conference on Earth Observation Data Processing and Analysis, ICEODPA, , SPIE.

Ye, Q., T. Yao, S. Kang, F. Chen, and J. Wang (2006), Glacier variations in the Mt. NaimonaNyi Region, Western Himalayas, during 1976-2003 using remote sensing and GIS technologies,.
Ye, Q. H., S. C. Kang, F. Chen, and J. H. Wang (2006), Monitoring glacier variations on Geladandong mountain, central Tibetan Plateau, from 1969 to 2002 using remote-sensing and GIS technologies, *J. Glaciol., 52*(179), 537-545. 543

Ye, Q. H., T. D. Yao, F. Chen, S. C. Kang, X. Q. Zhang, and Y. Wang (2008), Response of glacier and lake covariations to climate change in Mapam Yumco basin on Tibetan plateau during 1974-2003, *Journal of China University of Geosciences, 19*(2), 135-145.
Ye, Q., F. Chen, A. Stein, and Z. Zhong (2009), Use of a multi-temporal grid method to analyze changes in glacier coverage in the Tibetan Plateau, *Progress in Natural Science, 19*(7), 861-872, doi:10.1016/j.pnsc.2008.12.002.
Yigit, H. and G. Yilmaz (2013), Development of a GPU Accelerated Terrain Referenced UAV Localization and Navigation Algorithm, *J Intell Rob Syst Theor Appl, 70*(1-4), 477-489, doi:http://dx.doi.org/10.1007/s10846-012-9735-0.
Yilmaz, M. T., E. R. Hunt Jr., and T. J. Jackson (2008), Remote sensing of vegetation water content from equivalent water thickness using satellite imagery, *Remote Sens. Environ., 112*(5), 2514-2522.
Yin, G., J. Shen, J. Jiang, and G. Mu (2002), Tectonic background of the Ms 8.1 earthquake on 14 Nov, 2001 at east kunlun fault, *Arid Land Geography, 25*(1), 24-29.
Yin, S. and A. Yin (2006), Active tectonic setting of the great 1976 Tangshan earthquake (M=7.8), north China, *Abstracts with Programs - Geological Society of America, 38*(7), 413.
Yoneda Emiko, M. S. , Nagayama Tooru, Okatani Takaki, Numata Yoshinori, and Y. Y. (2006), Land cover mapping using the sequential MODIS composite data.
Yong, A., S. Hough, H. Cox, K. Tiampo, A. Braverman, J. Harvey, S. J. Hook, K. Hudnut, and G. Simila (2006), Balloons to satellites; a century of progress in geotechnical site characterization, *Seismol. Res. Lett., 77*(2), 302.
Yong, A., S. E. Hough, K. Hudnut, J. Giberson, S. Healy, G. Simila, J. G. (. Anderson, and D. (. von Seggern (2005), Geotechnical site characterization using remote sensing data; a feasibility study; SSA 2005; abstracts of the annual meeting, *Seismol. Res. Lett., 76*(2), 241. 544

Yong, A., S. E. Hough, C. Wills, and M. Abrams (2006), Site Characterization Using Satellite Imagery, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
Yong, A. (2007), Geophysical site characterization using geomorphology, geology and integrated digital imaging methods on satellite data,.
Yong, A., S. E. Houch, M. J. Abrams, and C. J. Wills (2008), Preliminary results for a semi-automated quantification of site effects using geomorphometry and ASTER satellite data for Mozambique, Pakistan and Turkey, *Journal of Earth System Science, 117*, 797-808.
Yong, A., S. E. Hough, M. J. Abrams, H. M. Cox, C. J. Wills, and G. W. Simila (2008), Site Characterization Using Integrated Imaging Analysis Methods on Satellite Data of the Islamabad, Pakistan, Region, *Bulletin of the Seismological Society of America, 98*(6), 2679-2693, doi:10.1785/0120080930.
Yong, A., S. E. Hough, B. R. Cox, E. M. Rathje, J. Bachhuber, R. Dulberg, D. Hulslander, L. Christiansen, and M. J. Abrams (2011), Seismic-zonation of Port-au-Prince Using Pixel- and Object-based Imaging Analysis Methods on ASTER GDEM, *Photogramm. Eng. Remote Sensing, 77*(9), 909-921.
Yoshida Takeshi, M. Yamamoto, S. Y. , and T. Matsunaga (2002), Estimation of sea surface temperature and turbidity using multi-date ASTER data in Hiroshima Bay.
Yoshikawa, K., Zhao Lin, Ye Baisheng, Lai Yuanming, Ma Wei, and Zhao Shuping (2006), Historical variability of the icing (aufeis) in the Brooks Range, Alaska and Kunlun Mountain, China; Asian conference on Permafrost, paper presented at Asian conference on Permafrost, Lanzhou, , Publisher unknown, China (CHN), China.
Yoshiki, N. and B. h. Fu (2003), Extracting lithologic information from aster multispectral thermal infrared data in the northeastern pamirs, *Xinjiang Geology, 21*(1), 22-30. 545

Yoshino, A., Y. Kikuchi, M. Takagi, K. Kajiwara, and Y. Honda (2004), Comparison between Soil Property and Aster Data in Mongolian Grassland, *Journal of the Japan Society of Photogrammetry and Remote Sensing = Shashin Sokuryo to Rimoto Senshingu, 43*(1), 50-59.

Yoshizawa Hirofumi, M. S. , M. Urai, Miyoshi Makoto, Takahara Hiroyuki, F. H. , and T. Sonobe (2003), Estimation of temperature and size of high-temperature materials using ASTER data.
Yoshizawa Hirofumi, M. S. , M. Urai, Takahara Hiroyuki, Miyoshi Makoto, I. Y. , and T. Sonobe (2003), Estimation of SO2 abundance in the eruption plume of Miyake-jima volcano using ASTER data.
Yoshizawa, H., S. Machida, H. Fukusawa, S. Sueoka, T. Asaki, and S. Yamasawa (2003), Extraction of promising mineral area and acquisition of mining property using satellite image analysis technique in northern Chile; Papers presented at the annual meeting for Prospecting of ore deposits; held under the auspices of Japan Mining Industry Association, *Shigen Chishitsu, 53*(1), 39-50.
Yousefzadeh, M. and B. Mojaradi (2012), Combined rigorous-generic direct orthorectification procedure for IRS-p6 sensors, *Isprs Journal of Photogrammetry and Remote Sensing, 74*, 122-132, doi:http://dx.doi.org/10.1016/j.isprsjprs.2012.09.005.
Yu HaiKuo and Li PeJun (2010), Lithologic mapping using LANDSAT ETM plus and ASTER data, *Acta Petrologica Sinica, 26*(1), 345-351.
Yu, H. and P. Li (2009), Lithologic mapping using ASTER and LANDSAT ETM+ data, paper presented at 30th Asian Conference on Remote Sensing 2009, ACRS 2009, October 18, 2009 - October 23, 2009, Beijing, China, , Asian Association on Remote Sensing.
Yu, J., H. Liu, L. Wang, K. C. Jezek, and J. Heo (2012), Blue ice areas and their topographical properties in the Lambert glacier, Amery Iceshelf system using Landsat ETM plus , ICESat laser altimetry and ASTER GDEM data, *Antarct. Sci., 24*(1), 95-110, doi:10.1017/S0954102011000630. 546

Yu, L., E. Holden, M. C. Dentith, and H. Zhang (2012), Towards the automatic selection of optimal seam line locations when merging optical remote-sensing images, *Int. J. Remote Sens., 33*(4), 1000-1014, doi:http://dx.doi.org/10.1080/01431161.2010.545083.
Yu, L., A. Porwal, E. Holden, and M. C. Dentith (2012), Towards automatic lithological classification from remote sensing data using support vector machines, *Computers and Geosciences, 45*, 229-239, doi:http://dx.doi.org/10.1016/j.cageo.2011.11.019.
Yu, R., B. Cai, and Q. Wen (2010), Comparison of Aster and SPOT4 modified soil adjusted vegetation index data over northwestern China, paper presented at International Conference on Image Processing and Pattern Recognition in Industrial Engineering, , SPIE, Xi'an, China.
Yu, R., X. Deng, and K. Qing (2005), An efficient point matching algorithm of remote sensing image based on dynamic template, paper presented at 2005 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2005, Jul 25-29 2005, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Yu, R., X. Deng, C. Wang, Z. Zhang, and Q. Kang (2005), Classification of remote sensing images of fanning areas using resolution fusion algorithm based on optimized point matching, *Nongye Gongcheng Xuebao/Transactions of the Chinese Society of Agricultural Engineering, 21*(11), 95-98.
Yu, R., Q. Kang, and Z. Zhang (2006), Assessment of Vegetation Coverage Factor in Soil Erosion Model Based on ASTER Image Interpretation, *Hebei Shifan Daxue Xuebao (Ziran Kexue Ban)/Journal of Hebei Normal University (Natural Science Edition), 30*, 113-117.
Yu, W., M. Ma, X. Wang, Y. Song, and J. Tan (2011), Validation of MODIS land surface temperature products using ground measurements in the Heihe River Basin, China, paper presented at Remote Sensing for Agriculture, Ecosystems, and Hydrology XIII, September 19, 2011 - September 21, 2011, , SPIE, Prague, Czech republic. 547

Yu, X., X. Zhou, Z. Kang, W. An, D. Hu, Y. Wang, J. Wei, and L. Liu (2012), Hierarchical classification of rock and soil based on characteristic multi-band image, *Jilin Daxue Xuebao (Diqiu Kexue Ban)/Journal of Jilin University (Earth Science Edition), 42*(6), 1825-1833.
Yu, X., J. Qigang, Q. Zhuping, and L. Wenqing (2010), Study of relative radiometric normalization based on multitemporal ASTER images, paper presented at 2010 International Conference on Advanced Measurement and Test, AMT 2010, May 15, 2010 - May 16, , Trans Tech Publications.
Yu-Chang Tzeng, Kuo-Tai Fan, and Kun-Shan Chen (2012), A Parallel Differential Box-Counting Algorithm Applied to Hyperspectral Image Classification, *IEEE Geoscience and Remote Sensing Letters, 9*(2), 272-276, doi:http://dx.doi.org/10.1109/LGRS.2011.2166243.
Yuksel, A., A. E. Akay, and R. Gundogan (2008), Using ASTER imagery in land use, *Sensors, 8*(2), 1237-1251.
Yuksel, A., R. Gundogan, and A. E. Akay (2008), Using the remote sensing and GIS technology for erosion risk mapping of Kartalkaya Dam Watershed in Kahramanmaras, Turkey, *Sensors, 8*(8), 4851-4865.

Yun, H. C., J. K. Park, S. S. Lee, and M. G. Kim (2010), Extraction of road surface information using remote sensing, paper presented at American Society for Photogrammetry and Remote Sensing Annual Conference 2010: Opportunities for Emerging Geospatial Technologies, April 26, 2010 - April 30, 2010, San Diego, CA, United States, , American Society for Photogrammetry and Remote Sensing.
YUN, Y. and W. YANG (2006), Application of ASTER Data on Extracting Elevations from ASTER Stereo-pairs and Recognizing Species of Trees, *Remote sensing Technology and Application, 21*(4), 307-311.
Zarah, S., V. Nicolas, U. Minoru, S. Thomas, and G. Astrid (2008), Preliminary results of lava flow mapping using remote sensing in Piton de la Fournaise, La Reunion island, paper 548

presented at 2008 Second Workshop on Use of Remote Sensing Techniques for Monitoring Volcanoes and Seismogenic Areas (USEReST), , IEEE, Naples, Italy.
Zarate-Valdez, J. L., M. L. Whiting, B. D. Lampinen, S. Metcalf, S. L. Ustin, and P. H. Brown (2012), Prediction of leaf area index in almonds by vegetation indexes, *Comput. Electron. Agric., 85*, 24-32, doi:http://dx.doi.org/10.1016/j.compag.2012.03.009.
Zarco-Tejada, P. J. and S. L. Ustin (2001), Modeling canopy water content for carbon estimates from MODIS data at land EOS validation sites, paper presented at 2001 International Geoscience and Remote Sensing Symposium (IGARSS 2001), Jul 9-13 2001, , Institute of Electrical and Electronics Engineers Inc.
Zare, A. and P. Gader (2011), Multiclass sub-pixel target detection using functions of multiple instances, paper presented at Algorithms and Technologies for Multispectral, Hyperspectral, and Ultraspectral Imagery XVII, April 25, 2011 - April 28, 2011, , SPIE, Orlando, FL, United states.
Zelazny, M. M., B. Csatho, R. D. Jacobi, and J. P. Martin (2010), Lineament identification in New York State using remote sensing techniques for geological CO2 sequestration; *Abstracts with Programs - Geological Society of America, 42*(1), 121.
Zelazny, M. M. (2011), Lineament Mapping using Remote Sensing Techniques and Structural Geology for Carbon Dioxide Sequestration Site Characterization in Central New York State, 199.
Zell, E., S. Weber, and J. Zewatsky (2007), Application of MODIS Normalized Differential Vegetation Index for Local Land Use Indicators of Impervious Surface Areas, *EOS Transactions, American Geophysical Union, 88*(52,; Suppl. Volume 1-2).
Zeng, Z. Y. (2007), A new method of data transformation for satellite images: II. Transformation equations for SPOT, NOAA, IKONOS, Quick Bird, ASTER, MSS and other images and application, *Int. J. Remote Sens., 28*(18), 4125-4155. 549

Zhan, W., Y. Chen, J. Wang, J. Zhou, J. Quan, W. Liu, and J. Li (2012), Downscaling land surface temperatures with multi-spectral and multi-resolution images, *Int. J. Appl. Earth Obs. Geoinf., 18*, 23-36, doi:http://dx.doi.org/10.1016/j.jag.2012.01.003.
Zhan, W., Y. Chen, J. Zhou, and J. Li (2011), An Algorithm for Separating Soil and Vegetation Temperatures With Sensors Featuring a Single Thermal Channel, *IEEE Trans. Geosci. Remote Sens., 49*(5), 1796-1809, doi:10.1109/TGRS.2010.2082555.
Zhan, W., Y. Chen, J. Zhou, J. Li, and W. Liu (2011), Sharpening Thermal Imageries: A Generalized Theoretical Framework From an Assimilation Perspective, *IEEE Trans. Geosci. Remote Sens., 49*(2), 773-789, doi:10.1109/TGRS.2010.2060342.
Zhang Yujun and Yang Jianmin (2005), A new exploration parameter for metallic deposits; the alteration remote sensing anomaly, paper presented at Mineral deposit research; meeting the global challenge; proceedings 8th biennial SGA meeting, Beijing, China, Aug. 18-21, 2005, .
Zhang YuJun and Yao FoJun (2009), Application study of multi-spectral ASTER data for determination of ETM remote sensing anomaly property: Taking Wulonggou region of eastern KunLun mountain range as example. *Acta Petrologica Sinica, 25*(4), 963-970.
Zhang, B., F. W. Schwartz, C. K. Shum, and Y. Yi (2005), Detecting changes in the surface-water hydrology of lakes and wetlands by the analysis of waveform data from TOPEX/POSEIDON, *Abstracts with Programs - Geological Society of America, 37*(7), 293.
Zhang, D., Z. Lan, and R. QIU (2006), Study on Selection of Best Landscape Scale Pattern Based on Remote Sensing and GIS, *Remote Sensing Information*(4), 30-32.
Zhang, D., Z. Lan, Q. Wang, X. Wang, W. Zhang, and Z. Li (2007), Study on the mangrove ecosystem services value change in Zhangjiang River Estuary based on remote sensing and grey relational analysis, paper presented at MIPPR 2007: Remote Sensing and GIS Data Processing and Applications; and Innovative Multispectral Technology and Applications, , SPIE - The International Society for Optical Engineering. 550

Zhang, D., Z. Lan, Q. Wang, X. Wang, W. Zhang, and Z. Li (2008), The evaluation of the mangrove ecosystem services value hange in Zhangjiang river estuary based on remote sensing, paper presented at 2007 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2007, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Zhang, G., J. Liu, and W. Fei (2008), Detection of anomaly temperature based on ASTER and ETM+ thermal infrared image, paper presented at 2008 International Conference on Computer Science and Software Engineering (CSSE 2008), , IEEE Computer Society, Wuhan, Hubei, China.
Zhang, H. and B. Huang (2011), Scale conversion of multi sensor remote sensing image using single frame super resolution technology, paper presented at 19th International Conference on Geoinformatics, 2011. 24-26 June 2011, , Shanghai, China.
Zhang, H., J. Zhao, and S. Jiancheng (2005), Support vector machines in moderate sub-pixel snow mapping, paper presented at 2005 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2005, Jul 25-29 2005, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.
Zhang, H., A. Lu, J. Pu, X. Wu, and H. Tong (2011), Glacier change in Xiate ancient road of central tien shan during the last two decades, paper presented at 2011 International Conference on Remote Sensing, Environment and Transportation Engineering, RSETE 2011, June 24, 2011 - June 26, 2011, , IEEE Computer Society, Nanjing, China.
Zhang, J. Q., Y. P. Wang, and Y. Li (2006), A C++ program for retrieving land surface temperature from the data of Landsat TM/ETM+ band6, *Comput. Geosci., 32*(10), 1796-1805.
Zhang, J., Z. Yan, X. Wang, Q. Huang, and F. Gao (2009), Remote sensing analysis of spatial-temporal changes of desertification land in Lower Reaches of Tarim River, *Nongye Gongcheng Xuebao/Transactions of the Chinese Society of Agricultural Engineering, 25*(10), 161-165. 551

Zhang, J., J. Wang, M. Zhou, Y. Huang, Y. Xuan, and D. Wu (2011), High resolution remote sensing information identification for characterizing uranium mineralization setting in Namibia, paper presented at Earth Resources and Environmental Remote Sensing/GIS Applications II, September 20, 2011 - September 22, 2011, , SPIE, Prague, Czech republic.
ZHANG, J., S. WEI, J. CHEN, and Z. CHEN (2006), Fractal Dimension Analysis of Structural Characteristics of Built-up Land in Fujian and Taiwan Provinces Based on ASTER Data, *Geo-information Science, 8*(3), 119-124.
Zhang, M., G. Yang, W. Song, and T. Xu (2011), A methodology of agricultural land extraction using remote sensing combined index and different classification technologies, *Cehui Kexue / Science of Surveying and Mapping, 36*(5), 73-76.
Zhang, Q., D. Shangguan, S. Liu, and Y. Ding (2005), Application of ASTER data in parameterizing water system in cold region - Case study for Muzaerte valley, *Zhongguo Kuangye Daxue Xuebao/Journal of China University of Mining and Technology, 34*(5), 655-659.
Zhang, Q., J. Fan, Y. Lu, Z. Zhang, and F. You (2003), Data assessment for agricultural monitoring applications, *Transactions of the Chinese Society of Agricultural Engineering, 19*(3), 149-152.
Zhang, R. and J. Ma (2008), An improved SVM method P-SVM for classification of remotely sensed data, *Int. J. Remote Sens., 29*(20), 6029-6036.
Zhang, R., M. Zeng, and J. Chen (2011), Study on geological structural interpretation based on Worldview-2 remote sensing image and its implementation, *Procedia Environ. Sci., 10*, 653-659, doi:http://dx.doi.org/10.1016/j.proenv.2011.09.105.
Zhang, T., J. Wen, R. Van Der Velde, R. Liu, and Y. Liu (2009), Land surface temperature retrieval using ENVISAT/AATSR data over east Gansu of Loess Plateau, *Chinese Journal of Geophysics/Diqiu Wuli Xuebao, 52*(4), 911-918. 552

Zhang, T. and H. Xu (2010), Cross comparison of modified normalized difference water index (MNDWI) between aster and ETM+ sensor imagery, *Yuhang Xuebao/Journal of Astronautics, 31*(4), 1244-1252.
Zhang, W. W., L. Yao, H. Li, D. F. Sun, and L. D. Zhou (2011), Research on land use change in Beijing Hanshiqiao wetland nature reserve using remote sensing and GIS, *Procedia Environ. Sci., 10*, 583-588, doi:http://dx.doi.org/10.1016/j.proenv.2011.09.094.
Zhang, W., P. Wu, H. Li, D. Sun, and L. Zhou (2011), Landscape pattern analysis and quality evaluation in Beijing Hanshiqiao wetland nature reserve, *Procedia Environ. Sci., 10*, 1698-1706, doi:http://dx.doi.org/10.1016/j.proenv.2011.09.267.

Zhang, X. (2005), Gold-related lithologic and mineral mapping from Hyperion and ASTER data in the south Chocolate Mountains, California, *DAI, 67*(02A), 168-673.
Zhang, X. and M. Pazner (2007), Comparison of lithologic mapping with ASTER, Hyperion, and ETM data in the southeastern Chocolate Mountains, USA, *Photogramm. Eng. Remote Sensing, 73*(5), 555-561.
Zhang, X., M. Pazner, and N. Duke (2007), Lithologic and mineral information extraction for gold exploration using ASTER data in the south Chocolate Mountains (California), *ISPRS Journal of Photogrammetry and Remote Sensing, 62*(4), 271-282, doi:http://dx.doi.org/10.1016/j.isprsjprs.2007.04.004.
Zhang, X., G. He, and C. Chen (2012), Dem generation with ALOS-PRISM stereo data for Zijinshan diggings, paper presented at 2011 International Conference on Instrumentation, Measurement, Circuits and Systems, ICIMCS 2011, December 12, 2011 - December 13, 2011, Hong Kong, Hong Kong. , Springer Verlag.
Zhang, X. and S. Zhang (2009), An improved method for mapping debris-covered glaciers with satellite multispectral image data and digital elevation model, paper presented at 553

Geoscience and Remote Sensing Symposium,2009 IEEE International,IGARSS 2009, , IEEE, Cape Town, South Africa.
Zhang, X., S. Zhang, Y. Li, Y. Zhang, H. Liu, and S. Yue (2009), Evaluation of regional urbanization level from remote sensing data: A case study in Liaoning province, Northeast China, paper presented at 2009 Joint Urban Remote Sensing Event, May 20, 2009 - May 22, , IEEE Computer Society.
Zhang, X. R. and K. Dong (2012), Neighborhood analysis-based calculation and analysis of multi-scales Relief Amplitude, paper presented at 3rd international Conference on Manufacturing Science and Engineering, ICMSE 2012, March 27, 2012 - July 29, 2012, Xiamen, China, , Trans Tech Publications.
Zhang, Y., B. Zhong, F. Yang, and Q. Liu (2012), Extraction of BRDF characteristics using TM/ETM+ and DEM data, *Journal of Remote Sensing, 16*(2), 361-377.
Zhang, Y. and X. Li (2011), Topographic normalization of landsat TM images in rugged terrain based on the high-resolution DEM derived from ASTER, paper presented at Progress in Electromagnetics Research Symposium, PIERS 2011 Suzhou, September 12, 2011 - September 16, 2011, , Electromagnetics Academy.
Zhang, Y. and B. Guindon (2012), Multispectral analysis for manmade surface extraction from RapidEye and SPOT5, *Can. J. Remote Sens., 38*(2), 180-196.
Zhang, Y., K. Fujita, S. Liu, Q. Liu, and T. Nuimura (2011), Distribution of debris thickness and its effect on ice melt at Hailuogou glacier, southeastern Tibetan Plateau, using in situ surveys and ASTER imagery, *J. Glaciol., 57*(206), 1147-1157, doi:http://dx.doi.org/10.3189/002214311798843331.
Zhang, Y., K. Fujita, S. Liu, Q. Liu, and X. Wang (2010), Multi-decadal ice-velocity and elevation changes of a monsoonal maritime glacier: Hailuogou glacier, China, *J. Glaciol., 56*(195), 65-74. 554

Zhang, Y., H. Balzter, and X. Wu (2013), Spatial-temporal patterns of urban anthropogenic heat discharge in Fuzhou, China, observed from sensible heat flux using Landsat TM/ETM plus data, *Int. J. Remote Sens., 34*(4), 1459-1477, doi:http://dx.doi.org/10.1080/01431161.2012.718465.
Zhang, Y., B. Zhong, Q. Liu, H. Li, and L. Sun (2011), BRDF of Badain Jaran Desert retrieval using Landsat TM/ETM+ and ASTER GDEM data, paper presented at 2011 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2011, July 24, 2011 - July 29, 2011, , Institute of Electrical and Electronics Engineers Inc, Vancouver, BC, Canada.
Zhang, Y., J. Yang, and F. Yao (2007), The potential of multi-spectral remote sensing techniques for mineral exploration - taking the Mongolian Oyu Tolgoi Cu-Au deposit as an example, *Dixue Qianyuan / Earth Science Frontiers, 14*(5), 63-70.
Zhang, Y., G. Hong, J. B. Mercer, D. Edwards, and J. Maduck (2005), A wavelet approach for the fusion of radar amplitude and optical multispectral images, paper presented at 9th World Multi-Conference on Systemics, Cybernetics and Informatics, WMSCI 2005, July 10, 2005 - July 13, 2005, Orlando, FL, , International Social Science Council,ISSC.
Zhang, Y., Y. Zhang, and X. Li (2007), The synthetically estimating vegetation fractional coverage of grassland using field data and ASTER remote sensing imagine, *Acta Ecologica Sinica, 27*(3), 964-976.

Zhao Yongchao, Tong Qingxi, Zheng Lanfen, and Veridan ERIM International, Ann Arbor, MI, United States,sponsor (USA) (2000), Study on mineral exploration by using MAIS hyperspectral data in Tengchong multi-metal mining district of China; Proceedings of the Fourteenth international conference on Applied geologic remote sensing, *Proceedings of the ...International Conference on Applied Geologic Remote Sensing, 14*, 621.
Zhao, G. and L. di Girolamo (2005), Trade Wind Cumuli Statistics and the Impact of Finite Resolution Measurements, *23*, 0922. 555

Zhao, G. and L. Girolamo (2007), Examination of cumulus cloud contamination on aerosol retrieval from Terra instruments over ocean, *EOS Transactions, American Geophysical Union, 88*(52,; Suppl. Volume 1-2).
Zhao, G. Y. and L. Di Girolamo (2006), Cloud fraction errors for trade wind cumuli from EOS-Terra instruments, *Geophys. Res. Lett., 33*(20), L20802-L20802.
Zhao, G. Y. and L. Di Girolamo (2007), Statistics on the macrophysical properties of trade wind cumuli over the tropical western Atlantic, *Journal of Geophysical Research-Atmospheres, 112*(D10), D10204-D10204.
Zhao, G. (2006), Cloud observations from EOS-Terra: From conception to interpretation of cloud climatologies with a focus on small clouds, *DAI, 67*(07B), 117-3849.
Zhao, G., L. Di Girolamo, S. Dey, A. L. Jones, and M. Bull (2009), Examination of direct cumulus contamination on MISR-retrieved aerosol optical depth and angstrom coefficient over ocean, *Geophys. Res. Lett., 36*(13), L13811.
Zhao, G. and L. Di Girolamo (2005), Trade Wind Cumuli Statistics and the Impact of finite Resolution Measurements.
Zhao, G. and L. Di Girolamo (2005), Trade Wind Cumuli Statistics and the Impact of finite Resolution Measurements.
Zhao, G., H. Xue, and F. Ling (2010), Assessment of ASTER GDEM performance by comparing with SRTM and ICESat/GLAS data in Central China, paper presented at 18th International Conference on Geoinformatics, 18-20 June, 2010, Beijing, China, .
Zhao, H., B. Zhang, Z. Zuo, Z. Chen, D. Li, and G. Li (2012), Elevation comparison and complementary repair of ASTER GDEM and SRTM DEM in China and surrounding areas, *Science of Surveying and Mapping; Cehui Kexue / Science of Surveying and Mapping, 37*(1), 8-11. 556

Zhao, H., J. Fan, and X. Guo (2010), A method for InSAR baseline refinement and its application, paper presented at 2010 2nd IITA Conference on Geoscience and Remote Sensing, IITA-GRS 2010, August 28, 2010 - August 31, , IEEE Computer Society, Qingdao, China.
Zhao, H., G. Yan, X. Deng, J. Wang, H. Yang, and X. Li (2003), A Classification Method Based on Spatial Information, *Journal of Remote Sensing, 7*(5), 358-363.
Zhao, S., W. Cheng, C. Zhou, X. Chen, S. Zhang, Z. Zhou, H. Liu, and H. Chai (2011), Accuracy assessment of the ASTER GDEM and SRTM3 DEM: An example in the Loess Plateau and North China plain of China, *Int. J. Remote Sens., 32*(23), 8081-8093, doi:10.1080/01431161.2010.532176.
Zhiwei, Y., G. Huili, and Z. Wenji (2009), Subpixel urban area thermal pattern analysis using ASTER and SPOT-5, paper presented at 2009 Joint Urban Remote Sensing Event, May 20, 2009 - May 22, , IEEE Computer Society.
Zhong, Y., Z. Qin, and G. Bao (2012), Land surface temperature estimation under cloud cover with GIDS, *Journal of Remote Sensing, 16*(3), 492-504.
Zhou Hong-ying1, Lin Qi-zhong1, Wu Yun-zhao1, and Wang Qin-jun1 (2007), Application of combining classifier based on AdaBoost to remote sensing classification, *Application Research of Computers, 24*(10), 181-4.
Zhou, L., T. Jiang, and X. Lu (2009), A Practical Method of Feature Extraction for Water Surface Temperature Based on Thermal Infrared Remote Sensing Image, paper presented at 2nd International Congress on Image and Signal Processing, 2009. CISP '09. , IEEE Computer Society, Tianjin, China.
Zhou, L., T. Jiang, and X. Lu (2009), Research on atmosphere parameter model of heat island effect in city based on CORS, paper presented at Urban Remote Sensing Event, 2009 Joint, , IEEE Computer Society, Shanghai, China. 557

Zhou, G., W. Chen, D. Fan, and M. Cen (2005), Multi-variables analysis of urban surface temperature, paper presented at American Society for Photogrammetry and Remote Sensing - Annual Conference 2005 - Geospatial Goes Global: From Your Neighborhood to the Whole Planet, March 7, 2005 - March 11, 2005, Baltimore, MD, , American Society for Photogrammetry and Remote Sensing.
Zhou, G., W. Chen, and D. Zhang (2005), Comparison of temperatures measurement from terra aster with landsat ETM, paper presented at American Society for Photogrammetry and Remote Sensing - Annual Conference 2005 - Geospatial Goes Global: From Your Neighborhood to the Whole Planet, March 7, 2005 - March 11, 2005, Baltimore, MD, , American Society for Photogrammetry and Remote Sensing.
Zhou, J., Y. H. Chen, J. Li, Q. H. Weng, and Y. Tang (2007), Estimation and seasonal monitoring of urban vegetation abundance based on remote sensing, paper presented at Geoinformatics 2007: Remotely Sensed Data and Information, , SPIE, Bellingham WA, WA 98227-0010, United States.
Zhou, J., D. Hu, and Q. Weng (2010), Analysis of surface radiation budget during the summer and winter in the metropolitan area of Beijing, China, *Journal of Applied Remote Sensing, 4*, 043513, doi:10.1117/1.3374329.
Zhou, L., R. E. Dickinson, K. Ogawa, Y. Tian, M. Jin, T. Schmugge, and E. Tsvetsinskaya (2003), Relations between albedos and emissivities from MODIS and ASTER data over North African Desert, *Geophys. Res. Lett., 30*(20), 1-1.
Zhou, L., R. E. Dickinson, Y. Tian, M. Jin, K. Ogawa, H. Yu, and T. Schmugge (2003), A sensitivity study of climate and energy balance simulations with use of satellite-derived emissivity data over Northern Africa and the Arabian Peninsula, *Journal of Geophysical Research-Atmospheres, 108*(D24), 4795-4795. 558

Zhou, L., R. Dickinson, K. Ogawa, Y. Tian, M. Jin, T. Schmugge, and E. Tsvetsinskaya (2003), Relations between albedos and emissivities from MODIS and ASTER data over North African desert, *EOS Trans. Am. Geophys. Union, 84*(46, Suppl.), Abstract H41B-06.
Zhou, R., H. Xu, and Y. Lin (2006), Remote Sensing Study on the Surface Heat Flux and Its Relationship with the Urban Heat Islandâ€"â€"Taking Quanzhou City, SE China as Example, *Remote Sensing Information*(6), 50-54.
Zhou, X., H. Guan, H. Xie, and J. L. Wilson (2006), Unification of NDVI Definitions and Areal Fraction Models in Remote Sensing of Vegetation, *EOS Transactions, American Geophysical Union, 87*(52; Suppl.).
Zhou, X., H. Guan, H. Xie, and J. L. Wilson (2009), Analysis and optimization of NDVI definitions and areal fraction models in remote sensing of vegetation, *Int. J. Remote Sens., 30*(3), 721-751, doi:10.1080/01431160802392620.
Zhou, Y., Q. Zhu, J. M. Chen, Y. Q. Wang, J. Liu, R. Sun, and S. Tang (2007), Observation and simulation of net primary productivity in Qilian Mountain, western China, *J. Environ. Manage., 85*(3), 574-584.
Zhou, Y., Q. Weng, K. R. Gurney, Y. Shuai, and X. Hu (2012), Estimation of the relationship between remotely sensed anthropogenic heat discharge and building energy use, *ISPRS-J. Photogramm. Remote Sens., 67*, 65-72, doi:http://dx.doi.org/10.1016/j.isprsjprs.2011.10.007.
Zhu, G. and D. G. Blumberg (2002), Classification using ASTER data and SVM algorithms - The case study of Beer Sheva, Israel, *Remote Sens. Environ., 80*(2), 233-240.
Zhu, H. and K. Yamamoto (2011), Spatiotemporal analysis of remote sensing data to estimate forest change in Siberia, paper presented at The Japanese Forest Society Congress 122, , Japanese Forest Society. 559

Zhu, J., J. Shi, and Y. Wang (2012), Subpixel snow mapping of the Qinghai-Tibet Plateau using MODIS data, *Int. J. Appl. Earth Obs. Geoinf., 18*, 251-262, doi:http://dx.doi.org/10.1016/j.jag.2012.02.001.
Zhu, J., Y. Wu, D. Zhang, and X. Li (2012), Study on geothermal forecast based on remote sensing technology in Shaoxing-Zhuji area, paper presented at 3rd International Symposium on Artificial Intelligence, JSAI-isAI 2011, December 1, 2011 - November 2, 2011, Takamatsu, Japan, , Springer Verlag.
Zhu, L., Y. Zhao, and A. Ghulam (2005), The evaluation of groundwater using ASTER data, in China, paper presented at 2005 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2005, Jul 25-29 2005, , Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States.

Zhu, S., H. Guan, A. C. Millington, and G. Zhang (2013), Disaggregation of land surface temperature over a heterogeneous urban and surrounding suburban area: a case study in Shanghai, China, *Int. J. Remote Sens., 34*(5), 1707-1723, doi:http://dx.doi.org/10.1080/01431161.2012.725957.
Zhu, X., Y. An, and Y. Mu (2011), Land use classification based on decision tree in karst rocky desertification areas, paper presented at 2011 International Conference on Electric Technology and Civil Engineering, ICETCE 2011, April 22, 2011 - April 24, 2011, , IEEE Computer Society, Lushan, China.
Zhukov, B., D. Oertel, and M. Lehner (1997), TM/LANDSAT thermal image unmixing, paper presented at Algorithms for Multispectral and Hyperspectral Imagery III, 22-23 April 1997, , SPIE-Int. Soc. Opt. Eng.
Zhukov, B., D. Oertel, F. Lanzl, and G. Reinhaeckel (1998), Unmixing-based multi-sensor multi-resolution image fusion, *Mitteilung - Deutsche Forschungsanstalt fuer Luft- und Raumfahrt, 98*(3), 81-88. 560

Zhukov, B., D. Oertel, F. Lanzl, and G. Reinhaeckel (1999), Unmixing-based multisensor multiresolution image fusion, *IEEE Trans. Geosci. Remote Sens., 37*(3 pt 1), 1212-1226.
Zoheir, B. and A. Emam (2012), Integrating geologic and satellite imagery data for high-resolution mapping and gold exploration targets in the South Eastern Desert, Egypt, *J. Afr. Earth Sci., 66-67*, 22-34, doi:http://dx.doi.org/10.1016/j.jafrearsci.2012.02.007.
Zollinger, S., I. Machguth, C. Huggel, and A. Kaeaeb (2004), Gletscherseen in der Cordillera Blanca (Peru) und im Khumbu Himalaya (Nepal); Ableitung von Parametern zur Abschaetzung des Gefahrenpotentials aus ASTER-Satellitendaten. Glacial lakes in the Cordillera Blanca (Peru) and in the Khumbu Himalaya (Nepal); derivation of parameters for assessing hazard potentials using ASTER satellite data; Turbulenzen in der Geomorphologie; Jahrestagung der Schweizerischen Geomorphologischen Gesellschaft (SGmG) der SANW. Turbulence in geomorphology; annual meeting of the Swiss Society of Geomorphology of the Swiss Academy of Natural Sciences, *Mitteilungen der Versuchsanstalt fuer Wasserbau, Hydrologie und Glaziologie der Eidgenoessischen Technischen Hochschule Zuerich, 184*, 215-222.
Zoran, L. F. V., C. Golovanov, and M. A. Zoran (2005), Environmental impact classification of urban land cover from satellite remote sensing data, paper presented at Remote Sensing for Environmental Monitoring, GIS Applications, and Geology V; Bruges; Belgium; 19-20 Sept. 2005, .
Zoran, L. F. V., C. Golovanov, and M. A. Zoran (2006), Multisensor image fusion for Romanian Black Sea coastal zone analysis, paper presented at Remote Sensing for Environmental Monitoring, GIS Applications, and Geology VI, Sep 13-14 2006, , International Society for Optical Engineering, Bellingham WA, WA 98227-0010, United States.
Zoran, M. (2008), Integrated monitoring system for seismic risk assessment in Vrancea area; Integration of information for environmental security, paper presented at NATO advanced research workshop on Integration of information for environmental security, Istanbul, Turkey, Sept. 26-29, 2006, . 561

Zoran, M. and E. Andersona (2006), The use of multi-temporal and multispectral satellite data for change detection analysis of the Romanian Black Sea coastal zone, *Journal of Optoelectronics and Advanced Materials, 8*(1), 252-256.
Zoran, M. and S. Stefan (2007), Significance of landcover biophysical parameters derived from remote sensing data for environmental studies, *AIP Conference Proceedings, 899*(1), 753.
Zoran, M. A. (2007), Analysis of "urban heat island" effect by remote sensing satellite data, paper presented at Remote Sensing for Environmental Monitoring, GIS Applications, and Geology VII, , SPIE, Bellingham WA, WA 98227-0010, United States.
Zoran, M. A. (2008), Integrated geospatial system for seismic hazard assessment in Vrancea area, Romania, paper presented at Remote Sensing for Environmental Monitoring, GIS Applications, and Geology VIII, , SPIE - The International Society for Optical Engineering.
Zoran, M. A. (2009), Satellite and geophysical data for earthquake precursors assessment, paper presented at Remote Sensing for Environmental Monitoring, GIS Applications, and Geology IX, August 31, 2009 - September 3, , SPIE, Berlin, Germany.
Zoran, M. A., D. Mateciuc, and L. F. Zoran (2005), Satellite remote sensing and GPS data for seismic hazard mapping of Vrancea area, paper presented at Remote Sensing for Environmental Monitoring, GIS Applications, and Geology V; Bruges; Belgium; 19-20 Sept. 2005, .

Zoran, M. A., D. N. Nicolae, C. L. Talianu, M. Ciobanu, and J. G. Ciuciu (2005), Analyses of thermal plume of Cernavoda nuclear power plant by satellite remote sensing data, paper presented at Remote Sensing for Environmental Monitoring, GIS Applications, and Geology V; Bruges; Belgium; 19-20 Sept. 2005, .
Zoran, M. A., Y. Ninomiya, and L. F. V. Zoran (2004), Synergy use of satellite images for Vrancea seismic area analysis, paper presented at Remote Sensing for Environmental 562

Monitoring, GIS Applications, and Geology IV, Sep 14-16 2004, , International Society for Optical Engineering, Bellingham, WA 98227-0010, United States.
Zoran, M. A., R. S. Savastru, D. M. Savastru, S. I. Miclos, M. N. Tautan, and L. Baschir (2010), Satellite and in situ monitoring data used for modeling of forest vegetation reflectance, paper presented at Remote Sensing for Agriculture, Ecosystems, and Hydrology XII, September 20, 2010 - September 22, , SPIE, Toulouse, France.
Zoran, M. A. and L. F. V. Zoran (2004), Modeling coastal environmental changes by fuzzy logic approach, paper presented at Remote Sensing for Environmental Monitoring, GIS Applications, and Geology IV, Sep 14-16 2004, , International Society for Optical Engineering, Bellingham, WA 98227-0010, United States.
Zoran, M. (2006), Combining radar, optical and GPS data for Vrancea seismic area analysis, paper presented at Fringe 2005 Workshop, Nov 28-Dec 2 2005, , European Space Agency, Noordwijk, 2200 AG, Netherlands.
Zoran, M. (2008), Integrated satellite, GPS and geophysical data for seismic hazard assessment in Vrancea area, Romania, paper presented at Fringe 2007 Workshop "Advances in SAR Interferometry from Envisat and ERS Missions", , European Space Agency, Noordwijk, 2200 AG, Netherlands, Frascati, Italy.
Zoran, M. (2010), Geospatial and geophysical information for earthquake hazard assessment in Vrancea area, Romania, *Geophysical Research Abstracts, 12*, EGU2010-6808.
Zou, X., Z. Shang, I. O. A. Odeh, Y. Chen, and J. Li (2011), Comparative analysis on spatio-temporal land use and land cover (LULC) characteristics in three Asia cities, paper presented at 2011 International Conference on Internet Computing and Information Services, ICICIS 2011, September 17, 2011 - September 18, 2011, , IEEE Computer Society, Hong Kong, Hong Kong. 563

Zouzias, D., G. C. Miliaresis, and K. S. Seymour (2011), Interpretation of Nisyros volcanic terrain using land surface parameters generated from the ASTER Global Digital Elevation Model, *Journal of Volcanology and Geothermal Research, 200*(3-4), 159-170.
Zro Bi, G. F., J. Okaingni, and K. F. Kouame (2011), Mapping hydromorphic soils of the lakes region (Cote d?Ivoire) by the spectral angle mapper (SAM) approach; Cartographie des sols hydromorphes de la region des lacs (Cote d'Ivoire) par l'approche du Spectral Angle Mapper (SAM), *Rev. Fr. Photogramm. Teledetect.*(195), 31-41.
Zucca, F. and C. R. Perotti (2004), The relief of north-western Alps and Northern Apennines (Italy); analysis of its relations to lithology and structure; Italia 2004; 32nd international geological congress; abstracts, *International Geological Congress, Abstracts = Congres Geologique International, Resumes, 32, Part 2*, 1114-1115.