

# The Shuttle Radar Topography Mission

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Remote Sensing of the Ross Ice Streams and Adjacent Ross Ice Shelf, Antarctica. Annals of Glaciology, 1987, 9, 20-29.	1.4	12
2	The structure of oriented vegetation from polarimetric interferometry. IEEE Transactions on Geoscience and Remote Sensing, 1999, 37, 2620-2624.	6.3	106
3	SRTM X-SAR motion compensation: concept and first assessment of the interferometric observation geometry. , 0, , .		3
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5	Quality assessment of digital surface models derived from the Shuttle Radar Topography Mission (SRTM). , 0, , .		7
6	Spatial and temporal complexity of the Amazon flood measured from space. Geophysical Research Letters, 2007, 34, .	4.0	151
7	Recent volume loss of British Columbian glaciers, Canada. Geophysical Research Letters, 2007, 34, .	4.0	143
8	Three-Dimensional Concentration Mapping of Gases using a Portable Mass Spectrometer System. Journal of the American Society for Mass Spectrometry, 2008, 19, 1411-1418.	2.8	11
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12	Varied climatic and topographic influences on Late Pleistocene mountain glaciation in the western United States. Journal of Quaternary Science, 2008, 23, 671-681.	2.1	51
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17	Source model for the Mw 6.1, 31 March 2006, Chalan-Chulan Earthquake (Iran) from InSAR. Terra Nova, 2008, 20, 126-133.	2.1	35
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21	Emplacement conditions of igneous dikes in Ethiopian Traps. Journal of Volcanology and Geothermal Research, 2008, 178, 683-692.	2.1	45
22	Relating volcano morphometry to the developmental progression of Hawaiian shield volcanoes through slope and hypsometric analyses of SRTM data. Journal of Geophysical Research, 2008, 113, .	3.3	12
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1893	Wind gust quantification using seismic measurements. <i>Natural Hazards</i> , 2019, 99, 355-377.	3.4	7
1894	Potential pitfalls in rescaling digital terrain model-derived attributes for ecological studies. <i>Ecological Informatics</i> , 2019, 54, 100987.	5.2	24
1895	Assessing Landscape Fire Hazard by Multitemporal Automatic Classification of Landsat Time Series Using the Google Earth Engine in West-Central Spain. <i>Forests</i> , 2019, 10, 518.	2.1	22
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1898	Evaluating the spatiotemporal pattern of concentration, aggressiveness and seasonality of precipitation over Bangladesh with timeâ€“series Tropical Rainfall Measuring Mission data. , 2019, , 191-219.		8
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1900	Impacts of meteorological factors and land use pattern on hydrological elements in a semi-arid basin. <i>Science of the Total Environment</i> , 2019, 690, 932-943.	8.0	16
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1903	Efficiency improvements for commercial vehicles through dynamic electronic horizon. Proceedings, 2019, , 49-64.	0.3	0
1904	Growing stock volume from multi-temporal landsat imagery through google earth engine. International Journal of Applied Earth Observation and Geoinformation, 2019, 83, 101913.	2.8	15
1905	Interseismic and Postseismic Shallow Creep of the North Qaidam Thrust Faults Detected with a Multitemporal InSAR Analysis. Journal of Geophysical Research: Solid Earth, 2019, 124, 7259-7279.	3.4	30
1906	Spatial�temporal analysis of the climatic and anthropogenic influences on runoff in the Jucu River Basin, Southeastern Brazil. Land Degradation and Development, 2019, 30, 2073-2087.	3.9	12
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1909	Spatiotemporal Variations of Riverine Discharge Within the Amazon Basin During the Late Holocene Coincide With Extratropical Temperature Anomalies. Geophysical Research Letters, 2019, 46, 9013-9022.	4.0	14
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1911	Assessing impacts of climate change on <i>Campanula yaltirikii</i> H.Duman (Campanulaceae), a critically endangered endemic species in Turkey. Turkish Journal of Botany, 2019, 43, 243-252.	1.2	2
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1913	A high-resolution gravimetric quasigeoid model for Vietnam. Earth, Planets and Space, 2019, 71, .	2.5	11
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1915	The 2018 Mw 7.5 Palu Earthquake: A Supershear Rupture Event Constrained by InSAR and Broadband Regional Seismograms. Remote Sensing, 2019, 11, 1330.	4.0	44
1916	Building a SAR-Enabled Data Cube Capability in Australia Using SAR Analysis Ready Data. Data, 2019, 4, 100.	2.3	19
1917	Using PS-InSAR with Sentinel-1 Images for Deformation Monitoring in Northeast Algeria. Geosciences (Switzerland), 2019, 9, 315.	2.2	21
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1922	Heterogeneous Behavior of the Campotosto Normal Fault (Central Italy) Imaged by InSAR GPS and Strong-Motion Data: Insights from the 18 January 2017 Events. Remote Sensing, 2019, 11, 1482.	4.0	21
1923	Monitoring Land Surface Displacement over Xuzhou (China) in 2015â€“2018 through PCA-Based Correction Applied to SAR Interferometry. Remote Sensing, 2019, 11, 1494.	4.0	22
1924	Seasonal components of freshwater runoff in Glacier Bay, Alaska: diverse spatial patterns and temporal change. Cryosphere, 2019, 13, 1597-1619.	3.9	7
1925	The legacy of the SIR-C/X-SAR radar system: 25â€“years on. Remote Sensing of Environment, 2019, 231, 111255.	11.0	16
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1934	Millennial-scale denudation rates in the Himalaya of Far Western Nepal. Earth Surface Dynamics, 2019, 7, 969-987.	2.4	4
1935	A Relief Dependent Evaluation of Digital Elevation Models on Different Scales for Northern Chile. ISPRS International Journal of Geo-Information, 2019, 8, 430.	2.9	21
1936	Exploring the ingredients required to successfully model the placement, generation, and evolution of ice streams in the British-Irish Ice Sheet. Quaternary Science Reviews, 2019, 223, 105915.	3.0	20
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1939	Spatial Patterns of Storm-Induced Landslides and Their Relation to Rainfall Anomaly Maps. <i>Geophysical Research Letters</i> , 2019, 46, 11167-11177.	4.0	24
1940	Observing Oblique Slip During Rift Linkage in Northern Afar. <i>Geophysical Research Letters</i> , 2019, 46, 10782-10790.	4.0	15
1941	Avian vulnerability to wind farm collision through the year: Insights from lesser black-backed gulls ( <i>Larus fuscus</i> ) tracked from multiple breeding colonies. <i>Journal of Applied Ecology</i> , 2019, 56, 2410-2422.	4.0	23
1942	Monitoring land-cover and land-use dynamics in Fanjingshan National Nature Reserve. <i>Applied Geography</i> , 2019, 111, 102077.	3.7	24
1943	Sinkhole occurrence monitoring over shallow abandoned coal mines with satellite-based persistent scatterer interferometry. <i>Engineering Geology</i> , 2019, 262, 105336.	6.3	39
1944	3D Coseismic Deformation Field and Source Parameters of the 2017 Iran-Iraq Mw7.3 Earthquake Inferred from DInSAR and MAI Measurements. <i>Remote Sensing</i> , 2019, 11, 2248.	4.0	5
1945	Essential Nutrient and Trace Element Foliar Resorption of Two Co-Existing <i>Nothofagus</i> Species Grown Under Different Environmental Conditions in Southern Patagonia. <i>Frontiers in Plant Science</i> , 2019, 10, 1542.	3.6	8
1946	Coseismic Slip and Early Afterslip of the M6.0 24 August 2014 South Napa, California, Earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 11728-11747.	3.4	7
1947	Multidisciplinary study with quantitative analysis of isotopic data for the assessment of recharge and functioning of volcanic aquifers: Case of Bromo-Tengger volcano, Indonesia. <i>Journal of Hydrology: Regional Studies</i> , 2019, 26, 100634.	2.4	13
1948	Co-Seismic Deformation and Fault Slip Model of the 2017 Mw 7.3 Darbandikhan, Iran-Iraq Earthquake Inferred from D-InSAR Measurements. <i>Remote Sensing</i> , 2019, 11, 2521.	4.0	16
1949	Influence of landscape features on the large variation of shallow groundwater salinity in southwestern Bangladesh. <i>Journal of Hydrology X</i> , 2019, 5, 100043.	1.6	13
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1951	An Integrated Approach for Constraining Depositional Zones in a Tide-Influenced River: Insights from the Gorai River, Southwest Bangladesh. <i>Water (Switzerland)</i> , 2019, 11, 2047.	2.7	11
1952	Regional influence of ocean-atmosphere teleconnections on the timing and duration of MODIS-derived snow cover in British Columbia, Canada. <i>Cryosphere</i> , 2019, 13, 2693-2712.	3.9	4
1953	Spatial flood susceptibility prediction in Middle Ganga Plain: comparison of frequency ratio and Shannon's entropy models. <i>Geocarto International</i> , 2021, 36, 2085-2116.	3.5	95
1954	Evaluating skill and robustness of seasonal meteorological and hydrological drought forecasts at the catchment scale - Case Catalonia (Spain). <i>Environment International</i> , 2019, 133, 105206.	10.0	15
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1957	Exploring rain forest diversification using demographic model testing in the African foamâ€”nest treefrog <i>Chiromantis rufescens</i> . Journal of Biogeography, 2019, 46, 2706-2721.	3.0	28
1958	Earthquakeâ€”Scaling Relationships from Geodetically Derived Slip Distributions. Bulletin of the Seismological Society of America, 2019, 109, 1701-1715.	2.3	20
1959	Synergy of Satellite, In Situ and Modelled Data for Addressing the Scarcity of Water Quality Information for Eutrophication Assessment and Monitoring of Swedish Coastal Waters. Remote Sensing, 2019, 11, 2051.	4.0	12
1960	Modeling the Spatial Formation Mechanism of Poverty-Stricken Counties in China by Using Geographical Detector. Sustainability, 2019, 11, 4752.	3.2	11
1961	A multidisciplinary framework to derive global river reach classifications at high spatial resolution. Environmental Research Letters, 2019, 14, 024003.	5.2	65
1962	Volcanic Plume Aging During Passive Degassing and Low Eruptive Events of Etna and Stromboli Volcanoes. Journal of Geophysical Research D: Atmospheres, 2019, 124, 11389-11405.	3.3	9
1963	The 2017 Nonruptive Unrest at the Caldera of Cerro Azul Volcano (GalÃ¡pagos Islands) Revealed by InSAR Observations and Geodetic Modelling. Remote Sensing, 2019, 11, 1992.	4.0	12
1964	Tipplers at island geomagnetic observatories constrain electrical conductivity of oceanic lithosphere and upper mantle. Earth, Planets and Space, 2019, 71, .	2.5	11
1965	Distant neighbors: recent wildfire patterns of the Madrean Sky Islands of southwestern United States and northwestern Mexico. Fire Ecology, 2019, 15, .	3.0	14
1966	Got shrubs? Precipitation mediates long-term shrub and introduced grass dynamics in chaparral communities after fire. Fire Ecology, 2019, 15, .	3.0	4
1967	Climate change increases potential plant species richness on Puerto Rican uplands. Climatic Change, 2019, 156, 15-30.	3.6	6
1968	Radar Altimeter Aiding of GNSS for Precision Approach and Landing of RPA. , 2019, , .		7
1969	Mapping with PLÃ©iadesâ€”End-to-End Workflow. Remote Sensing, 2019, 11, 2052.	4.0	15
1970	A <i>V</i> <sub>30</sub> Map for New Zealand Based on Geologic and Terrain Proxy Variables and Field Measurements. Earthquake Spectra, 2019, 35, 1865-1897.	3.1	31
1971	Potentially Misleading GPS Levelingâ€”Based Assessment of Gravimetric Geoid or Quasigeoid Models due to Vertical Land Motion and Different GPS Processing Software. Journal of Surveying Engineering, - ASCE, 2019, 145, 04019015.	1.7	3
1972	Study and Simulation of HF Ground Scatter in the EKB HF Radar Field-Of-View. , 2019, , .		0
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1976	Detecting Forest Changes Using Dense Landsat 8 and Sentinel-1 Time Series Data in Tropical Seasonal Forests. Remote Sensing, 2019, 11, 1899.	4.0	46
1977	Oil palm concessions in southern Myanmar consist mostly of unconverted forest. Scientific Reports, 2019, 9, 11931.	3.3	25
1978	Comparison of basin morphometry analyses derived from different DEMs on two drainage basins in Turkey. Environmental Earth Sciences, 2019, 78, 1.	2.7	16
1979	A topographic index explaining hydrological similarity by accounting for the joint controls of runoff formation. Hydrology and Earth System Sciences, 2019, 23, 3807-3821.	4.9	29
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1981	Compatibility Between Wind Turbines and the Radio Astronomy Service. Journal of Astronomical Instrumentation, 2019, 08, .	1.5	4
1982	Earth's topographic relief potentially limited by an upper bound on channel steepness. Nature Geoscience, 2019, 12, 828-832.	12.9	35
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1984	Small baseline InSAR time series analysis: Unwrapping error correction and noise reduction. Computers and Geosciences, 2019, 133, 104331.	4.2	217
1985	Porphyry Copper Potential of the United States Southern Basin and Range Using ASTER Data Integrated with Geochemical and Geologic Datasets to Assess Potential Near-Surface Deposits in Well-Explored Permissive Tracts. Economic Geology, 2019, 114, 1095-1121.	3.8	5
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1987	A preliminary study of turbulent coherent structures and ozone air quality in Seoul using the WRF-CMAQ model at a 50m grid spacing. Atmospheric Environment, 2019, 218, 117012.	4.1	5
1988	Development of water and energy Budget-based Rainfall-Runoff-Inundation model (WEB-RRl) and its verification in the Kalu and Mundeni River Basins, Sri Lanka. Journal of Hydrology, 2019, 579, 124163.	5.4	17
1989	Automatic Detection of Spatiotemporal Urban Expansion Patterns by Fusing OSM and Landsat Data in Kathmandu. Remote Sensing, 2019, 11, 2296.	4.0	33
1990	Flood Monitoring in Vegetated Areas Using Multitemporal Sentinel-1 Data: Impact of Time Series Features. Water (Switzerland), 2019, 11, 1938.	2.7	39
1991	Banana suitability and Fusarium wilt distribution in the Philippines under climate change. Spatial Information Research, 2019, 27, 339-349.	2.2	10
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1994	Morphometric analysis using SRTM and GIS in synergy with depiction: a case study of the Karmanasa River basin, North central India. <i>Applied Water Science</i> , 2019, 9, 1.	5.6	54
1995	Spatial Variations in the Stable Isotopic Compositions of Surface and Groundwaters across Central Sri Lanka. <i>Japan Agricultural Research Quarterly</i> , 2019, 53, 21-30.	0.4	2
1996	Response of the WRF model to different resolutions in the rainfall forecast over the complex Peruvian orography. <i>Theoretical and Applied Climatology</i> , 2019, 137, 2993-3007.	2.8	30
1997	Annual Flood Monitoring Using Synchronized Floodwater Index in 2010 Indus River Flood. , 2019, , 357-371.		0
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1999	Assimilation of Synthetic SWOT River Depths in a Regional Hydrometeorological Model. <i>Water (Switzerland)</i> , 2019, 11, 78.	2.7	6
2000	Integrating catchment land cover data to remotely assess freshwater quality: a step forward in heterogeneity analysis of river networks. <i>Aquatic Sciences</i> , 2019, 81, 1.	1.5	7
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2002	Controls on the erosion of the continental margin of southeast Brazil from cosmogenic <sup>10</sup> Be in river sediments. <i>Geomorphology</i> , 2019, 330, 163-176.	2.6	11
2003	Erosion dynamics in the southern Tibetan Plateau at a century time scale from historical photographs. <i>Journal of Arid Environments</i> , 2019, 161, 47-54.	2.4	5
2004	Ground-Based Radar Interferometry: A Bibliographic Review. <i>Remote Sensing</i> , 2019, 11, 1029.	4.0	96
2005	Creating a Lowland and Peatland Landscape Digital Terrain Model (DTM) from Interpolated Partial Coverage LiDAR Data for Central Kalimantan and East Sumatra, Indonesia. <i>Remote Sensing</i> , 2019, 11, 1152.	4.0	13
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2007	Barren Meandering Streams in the Modern Toiyabe Basin of Nevada, U.S.A., and Their Relevance To the Study of the Pre-vegetation Rock Record. <i>Journal of Sedimentary Research</i> , 2019, 89, .	1.6	17
2008	Joint analysis of the magnetic field and total gradient intensity in central Europe. <i>Solid Earth</i> , 2019, 10, 697-712.	2.8	7
2009	Precise geoid computation using Stokes-Helmert's scheme and strict integrals of topographic effects. <i>Geodesy and Geodynamics</i> , 2019, 10, 290-296.	2.2	3
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2012	Vertical Coseismic Offsets Derived From High-Resolution Stereogrammetric DSM Differencing: The 2013 Baluchistan, Pakistan Earthquake. Journal of Geophysical Research: Solid Earth, 2019, 124, 6039-6055.	3.4	21
2013	Genomic structure and diversity of Plasmodium falciparum in Southeast Asia reveal recent parasite migration patterns. Nature Communications, 2019, 10, 2665.	12.8	46
2014	Integrating anthropogenic factors into regional-scale species distribution models” A novel application in the imperiled sagebrush biome. Global Change Biology, 2019, 25, 3844-3858.	9.5	26
2015	The Risk Reduction Benefits of the Mesoamerican Reef in Mexico. Frontiers in Earth Science, 2019, 7, .	1.8	32
2016	COSMO-SkyMed SAR for Detection and Monitoring of Archaeological and Cultural Heritage Sites. Remote Sensing, 2019, 11, 1326.	4.0	49
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2026	The tree-canopy effect in gravity forward modelling. Geophysical Journal International, 2019, 219, 271-289.	2.4	7
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2031	Exploring intra-annual variation in cropland classification accuracy using monthly, seasonal, and yearly sample set. <i>International Journal of Remote Sensing</i> , 0, , 1-16.	2.9	7
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2033	MERIT Hydro: A Highâ€Resolution Global Hydrography Map Based on Latest Topography Dataset. <i>Water Resources Research</i> , 2019, 55, 5053-5073.	4.2	396
2034	Evaluation of openâ€access global digital elevation models (AW3D30, SRTM, and ASTER) for flood modelling purposes. <i>Journal of Flood Risk Management</i> , 2019, 12, .	3.3	49
2035	New insights into the environmental factors controlling the ground thermal regime across the Northern Hemisphere: a comparison between permafrost and non-permafrost areas. <i>Cryosphere</i> , 2019, 13, 693-707.	3.9	34
2036	Human mobility patterns and malaria importation on Bioko Island. <i>Nature Communications</i> , 2019, 10, 2332.	12.8	41
2037	Long-Term Deflection Monitoring for Bridges Using X and C-Band Time-Series SAR Interferometry. <i>Remote Sensing</i> , 2019, 11, 1258.	4.0	54
2038	Uncertainty in the Representation of Orography in Weather and Climate Models and Implications for Parameterized Drag. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 2567-2585.	3.8	31
2039	High correlation between speciesâ€level environmental data estimates extracted from IUCN expert range maps and from GBIF occurrence data. <i>Journal of Biogeography</i> , 2019, 46, 1329-1341.	3.0	30
2040	Assessment of Ecosystem Services Value Based on Land Use and Land Cover Changes in the Transboundary Karnali River Basin, Central Himalayas. <i>Sustainability</i> , 2019, 11, 3183.	3.2	33
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2043	An adaptive topography correction method of gravity field and gradient measurements by polyhedral bodies. <i>Geophysical Journal International</i> , 2019, 218, 1057-1070.	2.4	6
2044	Automatic Detection of Potential Dam Locations in Digital Terrain Models. <i>ISPRS International Journal of Geo-Information</i> , 2019, 8, 197.	2.9	5
2045	Earthquakeâ€Induced Chains of Geologic Hazards: Patterns, Mechanisms, and Impacts. <i>Reviews of Geophysics</i> , 2019, 57, 421-503.	23.0	505
2046	Cognitive Biases about Climate Variability in Smallholder Farming Systems in Zambia. <i>Weather, Climate, and Society</i> , 2019, 11, 369-383.	1.1	29

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