Huadong Guo

List of Publications by Year
in descending order

273 papers	6,058 citations	81900 39 h-index	110387 64 g-index
273 all docs	273 docs citations	273 times ranked	5943 citing authors

#	Article	IF	Citations
1	Next-generation Digital Earth. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11088-11094.	7.1	264
2	Digital Earth 2020: towards the vision for the next decade. International Journal of Digital Earth, 2012, 5, 4-21.	3.9	238
3	Flood Mapping and Flood Dynamics of the Mekong Delta: ENVISAT-ASAR-WSM Based Time Series Analyses. Remote Sensing, 2013, 5, 687-715.	4.0	195
4	The 2010 spring drought reduced primary productivity in southwestern China. Environmental Research Letters, 2012, 7, 045706.	5.2	194
5	Airborne and spaceborne remote sensing for archaeological and cultural heritage applications: A review of the century (1907â€"2017). Remote Sensing of Environment, 2019, 232, 111280.	11.0	169
6	Big Earth data: A new frontier in Earth and information sciences. Big Earth Data, 2017, 1, 4-20.	4.4	142
7	Earth observation satellite sensors for biodiversity monitoring: potentials and bottlenecks. International Journal of Remote Sensing, 2014, 35, 6599-6647.	2.9	138
8	Big Earth Data: a new challenge and opportunity for Digital Earthâ€™s development. International Journal of Digital Earth, 2017, 10, 1-12.	3.9	129
9	Scientific big data and Digital Earth. Science Bulletin, 2014, 59, 5066-5073.	1.7	128
10	Surface deformation related to the 2008 Wenchuan earthquake, and mountain building of the Longmen Shan, eastern Tibetan Plateau. Journal of Asian Earth Sciences, 2011, 40, 805-824.	2.3	104
11	SVM-Based Sea Ice Classification Using Textural Features and Concentration From RADARSAT-2 Dual-Pol ScanSAR Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 1601-1613.	4.9	84
12	Big Earth Data science: an information framework for a sustainable planet. International Journal of Digital Earth, 2020, 13, 743-767.	3.9	76
13	Evaluation of Three MODIS-Derived Vegetation Index Time Series for Dryland Vegetation Dynamics Monitoring. Remote Sensing, 2015, 7, 7597-7614.	4.0	74
14	Big Earth Data from space: a new engine for Earth science. Science Bulletin, 2016, 61, 505-513.	9.0	71
15	Monitoring Urban Dynamics in the Southeast U.S.A. Using Time-Series DMSP/OLS Nightlight Imagery. Remote Sensing, 2016, 8, 578.	4.0	69
16	Vegetation greenness trend (2000 to 2009) and the climate controls in the Qinghai-Tibetan Plateau. Journal of Applied Remote Sensing, 2013, 7, 073572.	1.3	68
17	PolSAR Image Semantic Segmentation Based on Deep Transfer Learningâ€"Realizing Smooth Classification With Small Training Sets. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 977-981.	3.1	67
18	Patterns and Potential Drivers of Dramatic Changes in Tibetan Lakes, 1972â€"2010. PLoS ONE, 2014, 9, e111890.	2.5	66

#	Article	IF	Citations
19	Assessing phenological change and climatic control of alpine grasslands in the Tibetan Plateau with MODIS time series. International Journal of Biometeorology, 2015, 59, 11-23.	3.0	64
20	A Modified Normalized Difference Impervious Surface Index (MNDISI) for Automatic Urban Mapping from Landsat Imagery. Remote Sensing, 2017, 9, 942.	4.0	64
21	Radar interferometry offers new insights into threats to the Angkor site. Science Advances, 2017, 3, e1601284.	10.3	61
22	Moon-based Earth observation: scientific concept and potential applications. International Journal of Digital Earth, 2018, 11, 546-557.	3.9	61
23	Google Earth as a Powerful Tool for Archaeological and Cultural Heritage Applications: A Review. Remote Sensing, 2018, 10, 1558.	4.0	60
24	Pixel- and feature-level fusion of hyperspectral and lidar data for urban land-use classification. International Journal of Remote Sensing, 2015, 36, 1618-1644.	2.9	59
25	Understanding global natural disasters and the role of earth observation. International Journal of Digital Earth, 2010, 3, 221-230.	3.9	57
26	Conceptual study of lunar-based SAR for global change monitoring. Science China Earth Sciences, 2014, 57, 1771-1779.	5.2	57
27	A New Approach to Collapsed Building Extraction Using RADARSAT-2 Polarimetric SAR Imagery. IEEE Geoscience and Remote Sensing Letters, 2012, 9, 677-681.	3.1	56
28	Spatiotemporal Variation of Surface Urban Heat Islands in Relation to Land Cover Composition and Configuration: A Multi-Scale Case Study of Xiâ€™an, China. Remote Sensing, 2020, 12, 2713.	4.0	56
29	Assessment of urban environmental change using multi-source remote sensing time series (2000â€"2016): A comparative analysis in selected megacities in Eurasia. Science of the Total Environment, 2019, 684, 567-577.	8.0	55
30	Measuring and evaluating SDG indicators with Big Earth Data. Science Bulletin, 2022, 67, 1792-1801.	9.0	51
31	Phenology-assisted classification of C3 and C4 grasses in the U.S. Great Plains and their climate dependency with MODIS time series. Remote Sensing of Environment, 2013, 138, 90-101.	11.0	50
32	An assessment of urbanization sustainability in China between 1990 and 2015 using land use efficiency indicators. Npj Urban Sustainability, 2021, 1, .	8.0	50
33	The long-term trends (1982â€"2006) in vegetation greenness of the alpine ecosystem in the Qinghai-Tibetan Plateau. Environmental Earth Sciences, 2014, 72, 1827-1841.	2.7	49
34	Detecting winter wheat phenology with SPOT-VEGETATION data in the North China Plain. Geocarto International, 2014, 29, 244-255.	3.5	49
35	Big Earth Data: a practice of sustainability science to achieve the Sustainable Development Goals. Science Bulletin, 2021, 66, 1050-1053.	9.0	47
36	Integrated RS, GIS and GPS approaches to archaeological prospecting in the Hexi Corridor, NW China: a case study of the royal road to ancient Dunhuang. Journal of Archaeological Science, 2014, 50, 178-190.	2.4	46

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37	Drought impact on vegetation productivity in the Lower Mekong Basin. International Journal of Remote Sensing, 2014, 35, 2835-2856.	2.9	42
38	Net ecosystem productivity of temperate grasslands in northern China: An upscaling study. Agricultural and Forest Meteorology, 2014, 184, 71-81.	4.8	42
39	Reconstructed Terrestrial Water Storage Change (Î"TWS) from 1948 to 2012 over the Amazon Basin with the Latest GRACE and GLDAS Products. Water Resources Management, 2016, 30, 279-294.	3.9	42
40	Automated Extraction of the Archaeological Tops of Qanat Shafts from VHR Imagery in Google Earth. Remote Sensing, 2014, 6, 11956-11976.	4.0	40
41	Simulation Study of Geometric Characteristics and Coverage for Moon-Based Earth Observation in the Electro-Optical Region. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 2431-2440.	4.9	39
42	Observation duration analysis for Earth surface features from a Moon-based platform. Advances in Space Research, 2018, 62, 274-287.	2.6	39
43	Observation scope and spatial coverage analysis for earth observation from a Moon-based platform. International Journal of Remote Sensing, 2018, 39, 5809-5833.	2.9	38
44	Differential Radar Interferometry for Structural and Ground Deformation Monitoring: A New Tool for the Conservation and Sustainability of Cultural Heritage Sites. Sustainability, 2015, 7, 1712-1729.	3.2	37
45	Urban sprawl in provincial capital cities in China: evidence from multi-temporal urban land products using Landsat data. Science Bulletin, 2019, 64, 955-957.	9.0	37
46	Compressive Sensing for Multibaseline Polarimetric SAR Tomography of Forested Areas. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 153-166.	6.3	36
47	Big data drives the development of Earth science. Big Earth Data, 2017, 1, 1-3.	4.4	36
48	Drivers to dust emissions over dust belt from 1980 to 2018 and their variation in two global warming phases. Science of the Total Environment, 2021, 767, 144860.	8.0	36
49	Varying Scale and Capability of Envisat ASAR-WSM, TerraSAR-X Scansar and TerraSAR-X Stripmap Data to Assess Urban Flood Situations: A Case Study of the Mekong Delta in Can Tho Province. Remote Sensing, 2013, 5, 5122-5142.	4.0	35
50	Landslide monitoring by corner reflectors differential interferometry SAR. International Journal of Remote Sensing, 2010, 31, 6387-6400.	2.9	34
51	A Global Hydrological Drought Index Dataset Based on Gravity Recovery and Climate Experiment (GRACE) Data. Water Resources Management, 2018, 32, 1275-1290.	3.9	34
52	Time-series snowmelt detection over the Antarctic using Sentinel-1 SAR images on Google Earth Engine. Remote Sensing of Environment, 2021, 256, 112318.	11.0	33
53	Vertical accuracy assessment of freely available digital elevation models over low-lying coastal plains. International Journal of Digital Earth, 2016, 9, 252-271.	3.9	32
54	Innovative approaches to the Sustainable Development Goals using Big Earth Data. Big Earth Data, 2021, 5, 263-276.	4.4	31

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55	Subsurface old drainage detection and paleoenvironment analysis using spaceborne radar images in Alxa Plateau. Science in China Series D: Earth Sciences, 2000, 43, 439-448.	0.9	30
56	Improved Goldstein SAR Interferogram Filter Based on Empirical Mode Decomposition. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 399-403.	3.1	30
57	Projections of urban built-up area expansion and urbanization sustainability in China's cities through 2030. Journal of Cleaner Production, 2022, 367, 133086.	9.3	30
58	Light detection and ranging and hyperspectral data for estimation of forest biomass: a review. Journal of Applied Remote Sensing, 2014, 8, 081598.	1.3	29
59	High-Resolution PolSAR Scene Classification With Pretrained Deep Convnets and Manifold Polarimetric Parameters. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 6159-6168.	6.3	29
60	Quantitative estimation of the shrub canopy LAI from atmosphere-corrected HJ-1 CCD data in Mu Us Sandland. Science China Earth Sciences, 2010, 53, 26-33.	5.2	28
61	Synergistic Use of Optical and PolSAR Imagery for Urban Impervious Surface Estimation. Photogrammetric Engineering and Remote Sensing, 2014, 80, 91-102.	0.6	28
62	Large-Area Landslides Monitoring Using Advanced Multi-Temporal InSAR Technique over the Giant Panda Habitat, Sichuan, China. Remote Sensing, 2015, 7, 8925-8949.	4.0	28
63	The Digital Belt and Road program in support of regional sustainability. International Journal of Digital Earth, 2018, 11, 657-669.	3.9	28
64	Yushu earthquake synergic analysis using multimodal SAR datasets. Science Bulletin, 2010, 55, 3499-3503.	1.7	27
65	Spatiotemporal pattern of forest degradation and loss of ecosystem function associated with Rohingya influx: A geospatial approach. Land Degradation and Development, 2021, 32, 3666-3683.	3.9	27
66	Mountain glacier displacement estimation using a DEM-assisted offset tracking method with ALOS/PALSAR data. Remote Sensing Letters, 2013, 4, 494-503.	1.4	25
67	Pan-Sharpening Based on Convolutional Neural Network by Using the Loss Function With No-Reference. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 897-906.	4.9	25
68	Improved Goldstein SAR Interferogram Filter Based on Adaptive-Neighborhood Technique. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 140-144.	3.1	24
69	Individual Tree Delineation in Windbreaks Using Airborne-Laser-Scanning Data and Unmanned Aerial Vehicle Stereo Images. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1330-1334.	3.1	23
70	ç§'å¦å§¬æ•°æ®ä¸Žæ•°å—åœ°çƒ. Chinese Science Bulletin, 2014, 59, 1047-1054.	0.7	23
71	Grid-enabled high-performance quantitative aerosol retrieval from remotely sensed data. Computers and Geosciences, 2011, 37, 202-206.	4.2	22
72	China's Earth observing satellites for building a Digital Earth. International Journal of Digital Earth, 2012, 5, 185-188.	3.9	22

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73	MODIS-Derived Spatiotemporal Changes of Major Lake Surface Areas in Arid Xinjiang, China, 2000â€"2014. Water (Switzerland), 2015, 7, 5731-5751.	2.7	22
74	Urban Area SAR Image Man-Made Target Extraction Based on the Product Model and the Timeâ€"Frequency Analysis. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 943-952.	4.9	22
75	An assessment of global electric power consumption using the Defense Meteorological Satellite Program-Operational Linescan System nighttime light imagery. Energy, 2019, 189, 116351.	8.8	22
76	Urban Sprawl and Changes in Land-Use Efficiency in the Beijingâ€"Tianjinâ€"Hebei Region, China from 2000 to 2020: A Spatiotemporal Analysis Using Earth Observation Data. Remote Sensing, 2021, 13, 2850.	4.0	22
77	Three-Dimensional Structural Parameter Inversion of Buildings by Distributed Compressive Sensing-Based Polarimetric SAR Tomography Using a Small Number of Baselines. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 4218-4230.	4.9	21
78	Sea Ice Classification Using TerraSAR-X ScanSAR Data With Removal of Scalloping and Interscan Banding. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 589-598.	4.9	21
79	A Self-Supervised Learning Framework for Road Centerline Extraction From High-Resolution Remote Sensing Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 4451-4461.	4.9	21
80	An improved automatic detection method for earthquake-collapsed buildings from ADS40 image. Science Bulletin, 2009, 54, 3303-3307.	1.7	20
81	Spatial distribution and inducement of collapsed buildings in Yushu earthquake based on remote sensing analysis. Science China Earth Sciences, 2010, 53, 794-796.	5.2	20
82	Man-Made Target Detection in Urban Areas Based on a New Azimuth Stationarity Extraction Method. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2013, 6, 1138-1146.	4.9	20
83	Urban Land Use Information Extraction Using the Ultrahigh-Resolution Chinese Airborne SAR Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 5583-5599.	6.3	20
84	Monitoring the slope movement of the Shuping landslide in the Three Gorges Reservoir of China, using X-band time series SAR interferometry. Advances in Space Research, 2016, 57, 2487-2495.	2.6	20
85	A Hierarchical Multiscale Super-Pixel-Based Classification Method for Extracting Urban Impervious Surface Using Deep Residual Network From WorldView-2 and LiDAR Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 210-222.	4.9	20
86	Retrieval of forest canopy attributes based on a geometric-optical model using airborne LiDAR and optical remote-sensing data. International Journal of Remote Sensing, 2012, 33, 692-709.	2.9	19
87	A Novel Land Cover Classification Map Based on a MODIS Time-Series in Xinjiang, China. Remote Sensing, 2014, 6, 3387-3408.	4.0	19
88	Uncovering the ancient canal-based tuntian agricultural landscape at China's northwestern frontiers. Journal of Cultural Heritage, 2017, 23, 79-88.	3.3	19
89	Combination of PolInSAR and LiDAR Techniques for Forest Height Estimation. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 1218-1222.	3.1	19
90	Detection of Tailings Dams Using High-Resolution Satellite Imagery and a Single Shot Multibox Detector in the Jingâ€"Jinâ€"Ji Region, China. Remote Sensing, 2020, 12, 2626.	4.0	19

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91	Numerical simulation of the effects of upward throughflow on the thermal structure and the thickness of the continental lithosphere. Journal of Geophysics and Engineering, 2011, 8, 322-329.	1.4	18
92	Digital Earth: Big Earth Data. International Journal of Digital Earth, 2014, 7, 1-2.	3.9	18
93	VHR GeoEye-1 imagery reveals an ancient water landscape at the Longcheng site, northern Chaohu Lake Basin (China). International Journal of Digital Earth, 2017, 10, 139-154.	3.9	18
94	Looking Vector Direction Analysis for the Moon-Based Earth Observation Optical Sensor. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 4488-4499.	4.9	18
95	From concept to action: a united, holistic and One Health approach to respond to the climate change crisis. Infectious Diseases of Poverty, 2022, 11, 17.	3.7	18
96	Research on global change scientific satellites. Science China Earth Sciences, 2014, 57, 204-215.	5.2	17
97	Big Earth data facilitates sustainable development goals. Big Earth Data, 2020, 4, 1-2.	4.4	17
98	Object oriented method for detection of inundation extent using multi-polarized synthetic aperture radar image. Journal of Applied Remote Sensing, 2008, 2, 023512.	1.3	16
99	Dynamic analysis of the Wenchuan Earthquake disaster and reconstruction with 3-year remote sensing data. International Journal of Digital Earth, 2010, 3, 355-364.	3.9	16
100	Automated ice-sheet snowmelt detection using microwave radiometer measurements. Polar Research, 2013, 32, 19746.	1.6	16
101	Regional complexity in trends of potential evapotranspiration and its driving factors in the Upper Mekong River Basin. Quaternary International, 2015, 380-381, 83-94.	1.5	16
102	Earth observation from the manned low Earth orbit platforms. ISPRS Journal of Photogrammetry and Remote Sensing, 2016, 115, 103-118.	11.1	16
103	Extracting distribution and expansion of rubber plantations from Landsat imagery using the C5.0 decision tree method. Journal of Applied Remote Sensing, 2017, 11, 026011.	1.3	16
104	Urban Area Tomography Using a Sparse Representation Based Two-Dimensional Spectral Analysis Technique. Remote Sensing, 2018, 10, 109.	4.0	16
105	Understanding the relationship between the water crisis and sustainability of the Angkor World Heritage site. Remote Sensing of Environment, 2019, 232, 111293.	11.0	16
106	A standardized dataset of built-up areas of China's cities with populations over 300,000 for the period 1990–2015. Big Earth Data, 0, , 1-24.	4.4	16
107	Light-Weight Cloud Detection Network for Optical Remote Sensing Images with Attention-Based DeeplabV3+ Architecture. Remote Sensing, 2021, 13, 3617.	4.0	16
108	Pan-Sharpening Based on CNN+ Pyramid Transformer by Using No-Reference Loss. Remote Sensing, 2022, 14, 624.	4.0	16

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109	Study of detecting method with advanced airborne and spaceborne synthetic aperture radar data for collapsed urban buildings from the Wenchuan earthquake. Journal of Applied Remote Sensing, 2009, 3, 031695.	1.3	15
110	Poyang Lake wetland vegetation biomass inversion using polarimetric RADARSAT-2 synthetic aperture radar data. Journal of Applied Remote Sensing, 2015, 9, 096077.	1.3	15
111	Moon-based earth observation for large scale geoscience phenomena. , 2016, , .		15
112	Constructing a High-Accuracy Geometric Model for Moon-Based Earth Observation. Remote Sensing, 2019, 11, 2611.	4.0	15
113	Drought Risk Assessment in Cultivated Areas of Central Asia Using MODIS Time-Series Data. Water (Switzerland), 2020, 12, 1738.	2.7	15
114	Assessing 40 years of spatial dynamics and patterns in megacities along the Belt and Road region using satellite imagery. International Journal of Digital Earth, 2021, 14, 71-87.	3.9	15
115	Assessment of damage to buildings and farms during the 2011 M 9.0 earthquake and tsunami in Japan from remote sensing data. Science Bulletin, 2011, 56, 2138-2144.	1.7	14
116	Big data for scientific research and discovery. International Journal of Digital Earth, 2015, 8, 1-2.	3.9	14
117	Nonlinear Model for InSAR Baseline Error. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 5341-5351.	6.3	14
118	Analysis of Long-Term Moon-Based Observation Characteristics for Arctic and Antarctic. Remote Sensing, 2019, 11, 2805.	4.0	14
119	Impacts of Platform's Position Errors on Geolocation for a Moon-Based Sensor. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 112-116.	3.1	14
120	Linking observation, modelling and satellite-based estimation of global land evapotranspiration. Big Earth Data, 2020, 4, 94-127.	4.4	14
121	Water Body Mapping Using Long Time Series Sentinel-1 SAR Data in Poyang Lake. Water (Switzerland), 2022, 14, 1902.	2.7	14
122	Algorithm on the Estimation of Residual Motion Errors in Airborne SAR Images. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 1311-1323.	6.3	13
123	Noncircularity Parameters and Their Potential Applications in UHR MMW SAR Data Sets. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1547-1551.	3.1	13
124	A rapid glacier surge on Mount Tobe Feng, western China, 2015. Journal of Glaciology, 2016, 62, 407-409.	2.2	13
125	Disparity Refinement in Depth Discontinuity Using Robustly Matched Straight Lines for Digital Surface Model Generation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 174-185.	4.9	13
126	Error analysis of exterior orientation elements on geolocation for a Moon-based Earth observation optical sensor. International Journal of Digital Earth, 2020, 13, 374-392.	3.9	13

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127	æ—°ä¸€ä»£SAR å¯¹åœ°è§‚æµ‹æŠ€æœ¯ç‰¹ç‚¹ä¸Žåº"ç"¨å±•. Chinese Science Bulletin, 2011, 56, 1155-1168.	0.7	13
128	Urbanization Detection by a Region Based Mixed Information Change Analysis Between Built-Up Indicators. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2013, 6, 2410-2420.	4.9	12
129	Spatiotemporal analysis of urban environment based on the vegetationâ€"impervious surfaceâ€"soil model. Journal of Applied Remote Sensing, 2013, 8, 084597.	1.3	12
130	2010â€"2012 drought and flood events in the Amazon Basin inferred by GRACE satellite observations. Journal of Applied Remote Sensing, 2015, 9, 096023.	1.3	12
131	The Dynamic Processes of Sea Ice on the East Coast of Antarcticaâ€"A Case Study Based on Spaceborne Synthetic Aperture Radar Data from TerraSAR-X. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 1187-1198.	4.9	12
132	High-Resolution Remote-Sensing Image Registration Based on Angle Matching of Edge Point Features. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 2881-2895.	4.9	12
133	UAV Laser scanning technology: a potential cost-effective tool for micro-topography detection over wooded areas for archaeological prospection. International Journal of Digital Earth, 2020, 13, 1279-1301.	3.9	12
134	Effects of Temporal Sampling Interval on the Moon-Based Earth Observation Geometry. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 4016-4029.	4.9	12
135	Spatiotemporal Coverage of a Moon-Based Synthetic Aperture Radar: Theoretical Analyses and Numerical Simulations. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 8735-8750.	6.3	12
136	Global 10-m impervious surface area mapping: A big earth data based extraction and updating approach. International Journal of Applied Earth Observation and Geoinformation, 2022, 109, 102800.	1.9	12
137	Earth observation satellite data receiving, processing system and data sharing. International Journal of Digital Earth, 2012, 5, 241-250.	3.9	11
138	Improving the Geolocation Algorithm for Sensors Onboard the ISS: Effect of Drift Angle. Remote Sensing, 2014, 6, 4647-4659.	4.0	11
139	From Digital Earth to big Earth data: accelerating scientific discovery and supporting global sustainable development. International Journal of Digital Earth, 2019, 12, 1-1.	3.9	11
140	The angular characteristics of Moon-based Earth observations. International Journal of Digital Earth, 2020, 13, 339-354.	3.9	11
141	Interdisciplinary approaches based on imaging radar enable cutting-edge cultural heritage applications. National Science Review, 2021, 8, nwab123.	9.5	11
142	Urban land cover classification with high-resolution polarimetric SAR interferometric data. Canadian Journal of Remote Sensing, 2010, 36, 236-247.	2.4	10
143	Damage consequence chain mapping after the Wenchuan Earthquake using remotely sensed data. International Journal of Remote Sensing, 2010, 31, 3427-3433.	2.9	10
144	Digital Earth: a new challenge and new vision. International Journal of Digital Earth, 2012, 5, 1-3.	3.9	10

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145	Synthetic Aperture Radar (SAR) Interferometry for Assessing Wenchuan Earthquake (2008) Deforestation in the Sichuan Giant Panda Site. Remote Sensing, 2014, 6, 6283-6299.	4.0	10
146	Microwave soil moisture dynamics and response to climate change in Central Asia and Xinjiang Province, China, over the last 30 years. Journal of Applied Remote Sensing, 2015, 9, 096012.	1.3	10
147	Modified four-pass differential SAR interferometry for estimating mountain glacier surface velocity fields. Remote Sensing Letters, 2016, 7, 1-10.	1.4	10
148	Fine-Scale Evaluation of Giant Panda Habitats and Countermeasures against the Future Impacts of Climate Change and Human Disturbance (2015–2050): A Case Study in Ya'an, China. Sustainability, 2018, 10, 1081.	3.2	10
149	Temporal sampling error analysis of the Earth's outgoing radiation from a Moon-based platform. International Journal of Remote Sensing, 2019, 40, 6975-6992.	2.9	10
150	Spatio-Temporal Characteristics for Moon-Based Earth Observations. Remote Sensing, 2020, 12, 2848.	4.0	10
151	Geometry Numerical Simulation and Analysis for Moon-Based Earth Observation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 3381-3393.	4.9	10
152	Sentinel-1 EW mode dataset for Antarctica from 2014–2020 produced by the CASEarth Cloud Service Platform. Big Earth Data, 2022, 6, 385-400.	4.4	10
153	Quantitative prediction and evaluation of geothermal resource areas in the southwest section of the Mid-Spine Belt of Beautiful China. International Journal of Digital Earth, 2022, 15, 748-769.	3.9	10
154	Residual motion estimation with point targets and its application to airborne repeat-pass SAR interferometry. International Journal of Remote Sensing, 2012, 33, 762-780.	2.9	9
155	Assessment of the SeaWinds scatterometer for vegetation phenology monitoring across China. International Journal of Remote Sensing, 2013, 34, 5551-5568.	2.9	9
156	An Improved Neural Network for Regional Giant Panda Habitat Suitability Mapping: A Case Study in Ya'an Prefecture. Sustainability, 2014, 6, 4059-4076.	3.2	9
157	Simulation of moon-based observation for large-scale Earth science phenomena. , 2016, , .		9
158	The Coverage Analysis for Moon-based Platform at Three- Polar Regions on Earth. IOP Conference Series: Earth and Environmental Science, 2016, 46, 012024.	0.3	9
159	Observation parameters design of moon-based earth observation sensors for monitoring three-polar regions. , 2017, , .		9
160	Examining geodetic glacier mass balance in the eastern Pamir transition zone. Journal of Glaciology, 2020, 66, 927-937.	2.2	9
161	Analyzing Antarctic ice sheet snowmelt with dynamic Big Earth Data. International Journal of Digital Earth, 2021, 14, 88-105.	3.9	9
162	Simulation of Earth's Outward Radiative Flux and Its Radiance in Moon-Based View. Remote Sensing, 2021, 13, 2535.	4.0	9

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163	Comparison of global change at the Earth's three poles using spaceborne Earth observation. Science Bulletin, 2020, 65, 1320-1323.	9.0	9
164	Digital Earth Challenges and Future Trends. , 2020, , 811-827.		9
165	Prediction of Potential Geothermal Disaster Areas along the Yunnan–Tibet Railway Project. Remote Sensing, 2022, 14, 3036.	4.0	9
166	Overview and preliminary idea for building Digital Earth with Grid computing technology. International Journal of Digital Earth, 2008, 1, 240-245.	3.9	8
167	Monitoring bidecadal development of urban agglomeration with remote sensing images in the Jing-Jin-Tang area, China. Journal of Applied Remote Sensing, 2014, 8, 084592.	1.3	8
168	Improved alpine grassland mapping in the Tibetan Plateau with MODIS time series: a phenology perspective. International Journal of Digital Earth, 2015, 8, 133-152.	3.9	8
169	Considerations on Geospatial Big Data. IOP Conference Series: Earth and Environmental Science, 2016, 46, 012058.	0.3	8
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