Jiancheng Shi

List of Publications by Year
in descending order

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192 papers	5,486 citations	94433 37 h-index	98798 67 g-index
195 all docs	195 docs citations	195 times ranked	3839 citing authors

#	Article	IF	Citations
1	Emission of rough surfaces calculated by the integral equation method with comparison to three-dimensional moment method simulations. IEEE Transactions on Geoscience and Remote Sensing, 2003, 41, 90-101.	6.3	515
2	Estimation of bare surface soil moisture and surface roughness parameter using L-band SAR image data. IEEE Transactions on Geoscience and Remote Sensing, 1997, 35, 1254-1266.	6.3	402
3	The role of satellite remote sensing in climate change studies. Nature Climate Change, 2013, 3, 875-883.	18.8	350
4	The hydrosphere State (hydros) Satellite mission: an Earth system pathfinder for global mapping of soil moisture and land freeze/thaw. IEEE Transactions on Geoscience and Remote Sensing, 2004, 42, 2184-2195.	6.3	217
5	Inferring snow wetness using C-band data from SIR-C's polarimetric synthetic aperture radar. IEEE Transactions on Geoscience and Remote Sensing, 1995, 33, 905-914.	6.3	150
6	A parameterized multifrequency-polarization surface emission model. IEEE Transactions on Geoscience and Remote Sensing, 2005, 43, 2831-2841.	6.3	138
7	A transition model for the reflection coefficient in surface scattering. IEEE Transactions on Geoscience and Remote Sensing, 2001, 39, 2040-2050.	6.3	137
8	Soil moisture experiment in the Luan River supporting new satellite mission opportunities. Remote Sensing of Environment, 2020, 240, 111680.	11.0	120
9	A parameterized surface reflectivity model and estimation of bare-surface soil moisture with L-band radiometer. IEEE Transactions on Geoscience and Remote Sensing, 2002, 40, 2674-2686.	6.3	113
10	High-resolution retrieval of cloud microphysical properties and surface solar radiation using Himawari-8/AHI next-generation geostationary satellite. Remote Sensing of Environment, 2020, 239, 111583.	11.0	106
11	Snow mapping in alpine regions with synthetic aperture radar. IEEE Transactions on Geoscience and Remote Sensing, 1994, 32, 152-158.	6.3	102
12	Mapping seasonal snow with SIR-C/X-SAR in mountainous areas. Remote Sensing of Environment, 1997, 59, 294-307.	11.0	87
13	An observing system simulation experiment for hydros radiometer-only soil moisture products. IEEE Transactions on Geoscience and Remote Sensing, 2005, 43, 1289-1303.	6.3	85
14	Retrievals of soil moisture and vegetation optical depth using a multi-channel collaborative algorithm. Remote Sensing of Environment, 2021, 257, 112321.	11.0	80
15	Inter-Calibration of Satellite Passive Microwave Land Observations from AMSR-E and AMSR2 Using Overlapping FY3B-MWRI Sensor Measurements. Remote Sensing, 2014, 6, 8594-8616.	4.0	76
16	A generalized power law spectrum and its applications to the backscattering of soil surfaces based on the integral equation model. IEEE Transactions on Geoscience and Remote Sensing, 2002, 40, 271-280.	6.3	73
17	A Study of an AIEM Model for Bistatic Scattering From Randomly Rough Surfaces. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 2584-2598.	6.3	72
18	Construction of the 500â€m Resolution Daily Global Surface Water Change Database (2001â€“2016). Water Resources Research, 2018, 54, 10,270.	4.2	69

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19	Progresses on microwave remote sensing of land surface parameters. Science China Earth Sciences, 2012, 55, 1052-1078.	5.2	67
20	Diurnal cycle and seasonal variation of cloud cover over the Tibetan Plateau as determined from Himawari-8 new-generation geostationary satellite data. Scientific Reports, 2018, 8, 1105.	3.3	65
21	A first assessment of satellite and reanalysis estimates of surface and root-zone soil moisture over the permafrost region of Qinghai-Tibet Plateau. Remote Sensing of Environment, 2021, 265, 112666.	11.0	64
22	A New Benchmark for Surface Radiation Products over the East Asiaâ€“Pacific Region Retrieved from the Himawari-8/AHI Next-Generation Geostationary Satellite. Bulletin of the American Meteorological Society, 2022, 103, E873-E888.	3.3	60
23	A combined Terra and Aqua MODIS land surface temperature and meteorological station data product for China from 2003 to 2017. Earth System Science Data, 2020, 12, 2555-2577.	9.9	52
24	A parameterized multiple-scattering model for microwave emission from dry snow. Remote Sensing of Environment, 2007, 111, 357-366.	11.0	49
25	A physics-based statistical algorithm for retrieving land surface temperature from AMSR-E passive microwave data. Science in China Series D: Earth Sciences, 2007, 50, 1115-1120.	0.9	48
26	A fine-resolution soil moisture dataset for China in 2002â€“2018. Earth System Science Data, 2021, 13, 3239-3261.	9.9	48
27	Measurements of snow- and glacier-covered areas with single-polarization SAR. Annals of Glaciology, 1993, 17, 72-76.	1.4	47
28	Cloud cover over the Tibetan Plateau and eastern China: a comparison of ERA5 and ERA-Interim with satellite observations. Climate Dynamics, 2020, 54, 2941-2957.	3.8	47
29	Assessment of 24 soil moisture datasets using a new in situ network in the Shandian River Basin of China. Remote Sensing of Environment, 2022, 271, 112891.	11.0	47
30	Comparison between a multi-scattering and multi-layer snow scattering model and its parameterized snow backscattering model. Remote Sensing of Environment, 2010, 114, 1089-1098.	11.0	45
31	Review of snow water equivalent microwave remote sensing. Science China Earth Sciences, 2016, 59, 731-745.	5.2	45
32	A Neural Network Technique for Separating Land Surface Emissivity and Temperature From ASTER Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 200-208.	6.3	44
33	A long term global daily soil moisture dataset derived from AMSR-E and AMSR2 (2002â€“2019). Scientific Data, 2021, 8, 143.	5.3	44
34	Estimation of Surface Shortwave Radiation From Himawari-8 Satellite Data Based on a Combination of Radiative Transfer and Deep Neural Network. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 5304-5316.	6.3	43
35	Cloudy-sky land surface longwave downward radiation (LWDR) estimation by integrating MODIS and AIRS/AMSU measurements. Remote Sensing of Environment, 2018, 205, 100-111.	11.0	42
36	Recovering Land Surface Temperature Under Cloudy Skies Considering the Solarâ€Cloudâ€Satellite Geometry: Application to MODIS and Landsatâ€8 Data. Journal of Geophysical Research D: Atmospheres, 2019, 124, 3401-3416.	3.3	41

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37	Driving forces of land surface temperature anomalous changes in North America in 2002â€“2018. Scientific Reports, 2020, 10, 6931.	3.3	41
38	Estimating Snow Water Equivalent with Backscattering at X and Ku Band Based on Absorption Loss. Remote Sensing, 2016, 8, 505.	4.0	37
39	Global spatiotemporally continuous MODIS land surface temperature dataset. Scientific Data, 2022, 9, 143.	5.3	36
40	Stereological determination of dry-snow parameters for discrete-scatterer microwave modeling. Annals of Glaciology, 1993, 17, 295-299.	1.4	35
41	Analysis of spatial distribution and multi-year trend of the remotely sensed soil moisture on the Tibetan Plateau. Science China Earth Sciences, 2013, 56, 2173-2185.	5.2	34
42	A total precipitable water retrieval method over land using the combination of passive microwave and optical remote sensing. Remote Sensing of Environment, 2017, 191, 313-327.	11.0	34
43	Evaluation of TRMM Multisatellite Precipitation Analysis (TMPA) Products and Their Potential Hydrological Application at an Arid and Semiarid Basin in China. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 3915-3930.	4.9	33
44	Estimating High Resolution Daily Air Temperature Based on Remote Sensing Products and Climate Reanalysis Datasets over Glacierized Basins: A Case Study in the Langtang Valley, Nepal. Remote Sensing, 2017, 9, 959.	4.0	33
45	Application of physics-based two-grid method and sparse matrix canonical grid method for numerical simulations of emissivities of soils with rough surfaces at microwave frequencies. IEEE Transactions on Geoscience and Remote Sensing, 2000, 38, 1635-1643.	6.3	32
46	Deep Learning Convolutional Neural Network for the Retrieval of Land Surface Temperature from AMSR2 Data in China. Sensors, 2019, 19, 2987.	3.8	32
47	Parametric exponentially correlated surface emission model for L-band passive microwave soil moisture retrieval. Physics and Chemistry of the Earth, 2015, 83-84, 65-74.	2.9	31
48	Estimation of highâ€resolution nearâ€surface freeze/thaw state by the integration of microwave and thermal infrared remote sensing data on the Tibetan Plateau. Earth and Space Science, 2017, 4, 472-484.	2.6	31
49	Estimation of shortwave solar radiation using the artificial neural network from Himawari-8 satellite imagery over China. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 240, 106672.	2.3	30
50	A review of the estimation of downward surface shortwave radiation based on satellite data: Methods, progress and problems. Science China Earth Sciences, 2020, 63, 774-789.	5.2	30
51	A method for land surface temperature retrieval based on model-data-knowledge-driven and deep learning. Remote Sensing of Environment, 2021, 265, 112665.	11.0	30
52	All-sky longwave downward radiation from satellite measurements: General parameterizations based on LST, column water vapor and cloud top temperature. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 161, 52-60.	11.1	29
53	Refinement of SMOS Multiangular Brightness Temperature Toward Soil Moisture Retrieval and Its Analysis Over Reference Targets. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 589-603.	4.9	28
54	Soil moisture retrievals using L-band radiometry from variable angular ground-based and airborne observations. Remote Sensing of Environment, 2020, 248, 111958.	11.0	28

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55	Assessment of MODIS-Based Fractional Snow Cover Products Over the Tibetan Plateau. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 533-548.	4.9	27
56	Monitoring snow cover using Chinese meteorological satellite data over China. Remote Sensing of Environment, 2014, 143, 192-203.	11.0	26
57	Detection and Removal of Clouds and Associated Shadows in Satellite Imagery Based on Simulated Radiance Fields. Journal of Geophysical Research D: Atmospheres, 2019, 124, 7207-7225.	3.3	26
58	Dataset of daily near-surface air temperature in China from 1979 to 2018. Earth System Science Data, 2022, 14, 1413-1432.	9.9	26
59	The development of HJ SAR soil moisture retrieval algorithm. International Journal of Remote Sensing, 2010, 31, 3691-3705.	2.9	25
60	A continuous global record of near-surface soil freeze/thaw status from AMSR-E and AMSR2 data. International Journal of Remote Sensing, 2019, 40, 6993-7016.	2.9	25
61	Subpixel snow mapping of the Qinghaiâ€“Tibet Plateau using MODIS data. International Journal of Applied Earth Observation and Geoinformation, 2012, 18, 251-262.	2.8	24
62	Rebuilding Long Time Series Global Soil Moisture Products Using the Neural Network Adopting the Microwave Vegetation Index. Remote Sensing, 2017, 9, 35.	4.0	24
63	Evaluation of the Himawari-8 Shortwave Downward Radiation (SWDR) Product and its Comparison With the CERES-SYN, MERRA-2, and ERA-Interim Datasets. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 519-532.	4.9	24
64	An Approach for Monitoring Global Vegetation Based on Multiangular Observations From SMOS. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 604-616.	4.9	23
65	An Assessment of Satellite Radiance Data Assimilation in RMAPS. Remote Sensing, 2019, 11, 54.	4.0	23
66	CHARACTERIZATION OF THE VALIDITY REGION OF THE EXTENDED T-MATRIX METHOD FOR SCATTERING FROM DIELECTRIC CYLINDERS WITH FINITE LENGTH. Progress in Electromagnetics Research, 2009, 96, 309-328.	4.4	21
67	Estimation of Snow Water Equivalence Using the Polarimetric Scanning Radiometer From the Cold Land Processes Experiments (CLPX03). IEEE Geoscience and Remote Sensing Letters, 2011, 8, 359-363.	3.1	21
68	Simulating polarized light scattering in terrestrial snow based on bicontinuous random medium and Monte Carlo ray tracing. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 133, 177-189.	2.3	21
69	A New Hybrid Snow Light Scattering Model Based on Geometric Optics Theory and Vector Radiative Transfer Theory. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 4862-4875.	6.3	21
70	Estimation of Vegetation Parameters of Water Cloud Model for Global Soil Moisture Retrieval Using Time-Series L-Band Aquarius Observations. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 5621-5633.	4.9	21
71	A Split Window Algorithm for Retrieving Land Surface Temperature from FY-3D MERSI-2 Data. Remote Sensing, 2019, 11, 2083.	4.0	21
72	Effect of Solar-Cloud-Satellite Geometry on Land Surface Shortwave Radiation Derived from Remotely Sensed Data. Remote Sensing, 2017, 9, 690.	4.0	20

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73	Water Vapor Retrieval Over Cloud Cover Area on Land Using AMSR-E and MODIS. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 3105-3116.	4.9	19
74	Measurements of snow- and glacier-covered areas with single-polarization SAR. Annals of Glaciology, 1993, 17, 72-76.	1.4	18
75	Mapping Global Atmospheric CO2 Concentration at High Spatiotemporal Resolution. Atmosphere, 2014, 5, 870-888.	2.3	18
76	Reappraisal of the roughness effect parameterization schemes for L-band radiometry over bare soil. Remote Sensing of Environment, 2017, 199, 63-77.	11.0	18
77	A soil moisture assimilation scheme based on the microwave Land Emissivity Model and the Community Land Model. International Journal of Remote Sensing, 2012, 33, 2770-2797.	2.9	17
78	High-Resolution Mapping of Freeze/Thaw Status in China via Fusion of MODIS and AMSR2 Data. Remote Sensing, 2017, 9, 1339.	4.0	17
79	Evaluation and Hydrological Application of TRMM and GPM Precipitation Products in a Tropical Monsoon Basin of Thailand. Water (Switzerland), 2019, 11, 818.	2.7	17
80	Reconstructing spatialâ€“temporal continuous MODIS land surface temperature using the DINEOF method. Journal of Applied Remote Sensing, 2017, 11, 1.	1.3	15
81	Evaluation of HY-2A Scatterometer Wind Vectors Using Data from Buoys, ERA-Interim and ASCAT during 2012â€“2014. Remote Sensing, 2016, 8, 390.	4.0	14
82	Fractional Snow Cover Mapping from FY-2 VISSR Imagery of China. Remote Sensing, 2017, 9, 983.	4.0	14
83	Impact of Radiance Data Assimilation on the Prediction of Heavy Rainfall in RMAPS: A Case Study. Remote Sensing, 2018, 10, 1380.	4.0	14
84	Parameterization of the freeze/thaw discriminant function algorithm using dense in-situ observation network data. International Journal of Digital Earth, 2019, 12, 980-994.	3.9	14
85	Global Soil Moisture Retrievals From the Chinese FY-3D Microwave Radiation Imager. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 4018-4032.	6.3	14
86	Investigation of ice cloud modeling capabilities for the irregularly shaped Voronoi ice scattering models in climate simulations. Atmospheric Chemistry and Physics, 2022, 22, 4809-4825.	4.9	14
87	Thermophysical Features of Shallow Lunar Crust Demonstrated by Typical Copernican Craters Using CE-2 CELMS Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 2565-2574.	4.9	13
88	Subpixel Mapping of Surface Water in the Tibetan Plateau with MODIS Data. Remote Sensing, 2020, 12, 1154.	4.0	13
89	Classification of surface types using SIR-C/X-SAR, Mount Everest Area, Tibet. Journal of Geophysical Research, 1998, 103, 25823-25837.	3.3	12
90	A Universal Ratio Snow Index for Fractional Snow Cover Estimation. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 721-725.	3.1	12

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91	Simultaneous retrieval of land surface temperature and emissivity from the FengYun-4A advanced geosynchronous radiation imager. International Journal of Digital Earth, 2022, 15, 198-225.	3.9	12
92	Active Microwave Remote Sensing Systems and Applications to Snow Monitoring. , 2008, , 19-49.		11
93	Evaluation of terrain effect on microwave radiometer measurement and its correction. International Journal of Remote Sensing, 2011, 32, 8899-8913.	2.9	11
94	Index-based evaluation of vegetation response to meteorological drought in Northern China. Natural Hazards, 2016, 84, 2179-2193.	3.4	11
95	Estimation of Microwave Atmospheric Transmittance Over China. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 2210-2214.	3.1	11
96	The Retrieval of Total Precipitable Water over Global Land Based on FY-3D/MWRI Data. Remote Sensing, 2020, 12, 1508.	4.0	11
97	Cloud, Atmospheric Radiation and Renewal Energy Application (CARE) Version 1.0 Cloud Top Property Product From Himawari-8/AHI: Algorithm Development and Preliminary Validation. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	6.3	11
98	Retrieval algorithm for microwave surface emissivities based on multi-source, remote-sensing data: An assessment on the Qinghai-Tibet Plateau. Science China Earth Sciences, 2013, 56, 93-101.	5.2	10
99	Microwave Vegetation Index from Multi-Angular Observations and Its Application in Vegetation Properties Retrieval: Theoretical Modelling. Remote Sensing, 2019, 11, 730.	4.0	10
100	Thermophysical Features of the RÃ¼mker Region in Northern Oceanus Procellarum: Insights from CE-2 CELMS Data. Remote Sensing, 2020, 12, 3272.	4.0	10
101	Validation of the SNTHERM Model Applied for Snow Depth, Grain Size, and Brightness Temperature Simulation at Meteorological Stations in China. Remote Sensing, 2020, 12, 507.	4.0	10
102	Snow depth and snow cover over the Tibetan Plateau observed from space in against ERA5: matters of scale. Climate Dynamics, 2023, 60, 1523-1541.	3.8	10
103	Snow-Covered Area Retrieval from Himawariâ€“8 AHI Imagery of the Tibetan Plateau. Remote Sensing, 2019, 11, 2391.	4.0	9
104	Clear-Sky Longwave Downward Radiation Estimation by Integrating MODIS Data and Ground-Based Measurements. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 450-459.	4.9	9
105	Learning Surface Ozone From Satellite Columns (LESO): A Regional Daily Estimation Framework for Surface Ozone Monitoring in China. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	6.3	9
106	MTE Features of Apollo Basin and Its Significance in Understanding the SPA Basin. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 2575-2583.	4.9	8
107	Assessing the active-passive approach at variant incidence angles for microwave brightness temperature downscaling. International Journal of Digital Earth, 2021, 14, 1273-1293.	3.9	8
108	Tracking the Atmosphericâ€“Terrestrial Water Cycle over the Tibetan Plateau Based on ERA5 and GRACE. Journal of Climate, 2021, 34, 6459-6471.	3.2	8

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109	A new global gridded sea surface temperature data product based on multisource data. Earth System Science Data, 2021, 13, 2111-2134.	9.9	8
110	Improvement in Modeling Soil Dielectric Properties During Freeze-Thaw Transitions. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	8
111	Mapping snow cover with repeat pass synthetic aperture radar. , 0, , .		7
112	A Microwave Wetland Surface Emissivity Calibration Scheme Using SCE-UA Algorithm and AMSR-E Brightness Temperature Data. Procedia Environmental Sciences, 2011, 10, 2731-2739.	1.4	7
113	Impact of Air Temperature Inversion on the Clear-Sky Surface Downward Longwave Radiation Estimation. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 4796-4802.	6.3	7
114	An Improved Endmember Selection Method Based on Vector Length for MODIS Reflectance Channels. Remote Sensing, 2015, 7, 6280-6295.	4.0	6
115	The Development of Microwave Vegetation Indices from WindSat Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 4379-4395.	4.9	6
116	Effects of Land Use Change for Crops on Water and Carbon Budgets in the Midwest USA. Sustainability, 2017, 9, 225.	3.2	6
117	An Algorithm for Subpixel Snow Mapping: Extraction of a Fractional Snow-Covered Area Based on Ten-Day Composited AVHRR/2 Data of the Qinghai-Tibet Plateau. IEEE Geoscience and Remote Sensing Magazine, 2018, 6, 86-98.	9.6	6
118	Foreword to the Special Issue on The Recent Progress in Quantitative Land Remote Sensing: Modeling and Estimation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, , 1-5.	4.9	6
119	High-Resolution Reconstruction of the Maximum Snow Water Equivalent Based on Remote Sensing Data in a Mountainous Area. Remote Sensing, 2020, 12, 460.	4.0	6
120	Atmospheric Correction to Passive Microwave Brightness Temperature in Snow Cover Mapping Over China. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 6482-6495.	6.3	6
121	Airborne and Spaceborne Passive Microwave Measurements of Soil Moisture. Ecohydrology, 2019, , 71-105.	0.2	6
122	Radar Backscattering Response to Wet Snow. , 0, , .		5
123	Stereological determination of dry-snow parameters for discrete-scatterer microwave modeling. Annals of Glaciology, 1993, 17, 295-299.	1.4	5
124	Assessment of boreal forest biomass using L-band radiometer SMOS data. , 2011, , .		5
125	A Parameterized Microwave Emissivity Model for Bare Soil Surfaces. Remote Sensing, 2017, 9, 155.	4.0	5
126	All-sky total and direct surface Shortwave Downward Radiation (SWDR) estimation from satellite: Applications to MODIS and Himawari-8. International Journal of Applied Earth Observation and Geoinformation, 2021, 102, 102380.	2.8	5

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127	Characterization Of Snow Grain Size In The Near-infrared And Microwave Wavelengths. , 0, , .		4
128	The development of microwave vegetation index for future SMOS applications. , 2009, , .		4
129	Modeling Microwave Emission from Short Vegetation-Covered Surfaces. Remote Sensing, 2015, 7, 14099-14118.	4.0	4
130	Recent Progress in Quantitative Land Remote Sensing in China. Remote Sensing, 2018, 10, 1490.	4.0	4
131	Soil Moisture Retrieval From Sentinel-1 Time-Series Data Over Croplands of Northeastern Thailand. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	4
132	A simulation-based approach for removing the effect of water contamination on SMAP soil moisture retrieval over the Qinghai-Tibet Plateau. Remote Sensing Letters, 2021, 12, 757-767.	1.4	4
133	Simulation Of Snow-deptii Estimation From Multi-frequency Radar. , 0, , .		3
134	Analysis between AMSR-E swath brightness temperature and ground snow depth data in winter time over Tibet Plateau, China. , 2010, , .		3
135	Analysis of the passive microwave high-frequency signal in the shallow snow retrieval. , 2011, , .		3
136	Evaluation of emission from snow-covered ground for passive microwave remote sensing. International Journal of Remote Sensing, 2012, 33, 872-886.	2.9	3
137	Microwave snow backscattering modeling based on two-dimensional snow section image and equivalent grain size. , 2012, , .		3
138	Enhancing remote sensing research on global change to improve our understanding on Earth system processes. Science China Earth Sciences, 2014, 57, 2281-2282.	5.2	3
139	Toward a general method for detecting clouds and shadows in optical remote sensing imagery. , 2016, , .		3
140	Remote sensing experiments for earth system science. International Journal of Digital Earth, 2021, 14, 1237-1242.	3.9	3
141	Soil moisture downscaling using multiple modes of the DISPATCH algorithm in a semi-humid/humid region. International Journal of Applied Earth Observation and Geoinformation, 2021, 104, 102530.	2.8	3
142	Time Series X- and Ku-Band Ground-Based Synthetic Aperture Radar Observation of Snow-Covered Soil and Its Electromagnetic Modeling. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	3
143	A direct algorithm for estimating clear-sky surface longwave net radiation (SLNR) from MODIS imagery. International Journal of Remote Sensing, 2022, 43, 1655-1683.	2.9	3
144	Multi-Source Hydrological Data Products to Monitor High Asian River Basins and Regional Water Security. Remote Sensing, 2021, 13, 5122.	4.0	3

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145	Comparison of Machine Learning-Based Snow Depth Estimates and Development of a New Operational Retrieval Algorithm over China. Remote Sensing, 2022, 14, 2800.	4.0	3
146	<title>Study of snow water equivalence inversion technique with simulating model</title>. , 2004, , .		2
147	Estimation of Soil Moisture with Dual-Frequency - PALS. , 2008, , .		2
148	A method to estimate Snow Water Equivalent using multi-angle X-band radar observations. , 2010, , .		2
149	Soil moisture retrieval by remote sensing and multi-year trend analysis of the soil moisture in Tibetan Plateau. , 2012, , .		2
150	Physical statistical algorithm for precipitable water vapor inversion on land surface based on multi-source remotely sensed data. Science China Earth Sciences, 2015, 58, 2340-2352.	5.2	2
151	A Parameterized Multiangular Microwave Emission Model of L-, C-, and X-Bands for Corn Considering Multiple-Scattering Effects. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 1249-1253.	3.1	2
152	An L-Band Brightness Temperature Disaggregation Method Using S-Band Radiometer Data for the Water Cycle Observation Mission (WCOM). IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 3184-3193.	4.9	2
153	A Lut-Based Method to Estimate Clear-Sky Instantaneous Land Surface Shortwave Downward Radiation and its Direct Component from Modis Data. , 2019, , .		2
154	Impacts of Assimilating ATMS Radiances on Heavy Rainfall Forecast in RMAPS-ST. Remote Sensing, 2020, 12, 1147.	4.0	2
155	Subpixel Snow Mapping Using Daily AVHRR/2 Data over Qinghaiâ€“Tibet Plateau. Remote Sensing, 2022, 14, 2899.	4.0	2
156	Development Of Soil Moisture Retrieval Algorithm For L-band Sar Measurements. , 0, , .		1
157	Snow mapping with SIR-C mulpolarization SAR in Tienshan Mountain. , 0, , .		1
158	A method to retrieve soil moisture using ERS Scatterometer data. , 2007, , .		1
159	Physically based estimation Soil Moisture from L-band radiometer. , 2008, , .		1
160	Applications of the integral equation model in microwave remote sensing of land surface parameters. , 2011, , .		1
161	Experiments of satellite data simulation based on the Community Land Model and SCE-UA algorithm. , 2011, , .		1
162	A new method for estimation of bare surface soil moisture using time-series radar observations. , 2013, , .		1

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163	Inter-comparisons of snow covered terrian microwave scattering models. , 2013, , .		1
164	Estimation of snow wetness by a dual-frequency radar. , 2017, , .		1
165	Model Investigation of Time-Series Ground Based Sar and Microwave Radiometer Experimental Data of Snow-Covered Soil. , 2018, , .		1
166	Mathematical Assessment of the Effects of Substituting the Band Radiative Transfer Equation (RTE) for the Spectral RTE in the Applications of Earthâ€™s Surface Temperature Retrievals from Spaceborne Infrared Imageries. Remote Sensing, 2019, 11, 226.	4.0	1
167	Atmospheric correction of passive microwave brightness temperature on the estimation of snow depth. , 2019, , .		1
168	Cloudy-Sky Land Surface Longwave Upward Radiation Derivation from Satellite Measurements. , 2019, , .		1
169	Evaluation of the Effective Microstructure Parameter of the Microwave Emission Model of Layered Snowpack for Multiple-Layer Snow. Remote Sensing, 2021, 13, 2012.	4.0	1
170	Evaluation and Assimilation of FY-3C/D MWHS-2 Radiances in the RMAPS-ST. Remote Sensing, 2022, 14, 275.	4.0	1
171	Snow Properties Derived From TM And SAR Measurements. , 0, , .		0
172	Electromagnetic scattering based on pair distribution functions retrieved from planar snow sections. , 0, , .		0
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