

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
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195
all docs

195
docs citations

195
times ranked

3839
citing authors

#	ARTICLE	IF	CITATIONS
1	Snow depth and snow cover over the Tibetan Plateau observed from space in against ERA5: matters of scale. <i>Climate Dynamics</i> , 2023, 60, 1523-1541.	3.8	10
2	Soil Moisture Retrieval From Sentinel-1 Time-Series Data Over Croplands of Northeastern Thailand. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2022, 19, 1-5.	3.1	4
3	A New Benchmark for Surface Radiation Products over the East Asia-Pacific Region Retrieved from the Himawari-8/AHI Next-Generation Geostationary Satellite. <i>Bulletin of the American Meteorological Society</i> , 2022, 103, E873-E888.	3.3	60
4	Evaluation and Assimilation of FY-3C/D MWHS-2 Radiances in the RMAPS-ST. <i>Remote Sensing</i> , 2022, 14, 275.	4.0	1
5	Time Series X- and Ku-Band Ground-Based Synthetic Aperture Radar Observation of Snow-Covered Soil and Its Electromagnetic Modeling. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-13.	6.3	3
6	Assessment of 24 soil moisture datasets using a new in situ network in the Shandian River Basin of China. <i>Remote Sensing of Environment</i> , 2022, 271, 112891.	11.0	47
7	Simultaneous retrieval of land surface temperature and emissivity from the FengYun-4A advanced geosynchronous radiation imager. <i>International Journal of Digital Earth</i> , 2022, 15, 198-225.	3.9	12
8	Improvement in Modeling Soil Dielectric Properties During Freeze-Thaw Transitions. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2022, 19, 1-5.	3.1	8
9	Dataset of daily near-surface air temperature in China from 1979 to 2018. <i>Earth System Science Data</i> , 2022, 14, 1413-1432.	9.9	26
10	A direct algorithm for estimating clear-sky surface longwave net radiation (SLNR) from MODIS imagery. <i>International Journal of Remote Sensing</i> , 2022, 43, 1655-1683.	2.9	3
11	Global spatiotemporally continuous MODIS land surface temperature dataset. <i>Scientific Data</i> , 2022, 9, 143.	5.3	36
12	Investigation of ice cloud modeling capabilities for the irregularly shaped Voronoi ice scattering models in climate simulations. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 4809-4825.	4.9	14
13	Cloud, Atmospheric Radiation and Renewal Energy Application (CARE) Version 1.0 Cloud Top Property Product From Himawari-8/AHI: Algorithm Development and Preliminary Validation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-11.	6.3	11
14	Learning Surface Ozone From Satellite Columns (LESO): A Regional Daily Estimation Framework for Surface Ozone Monitoring in China. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-11.	6.3	9
15	Subpixel Snow Mapping Using Daily AVHRR/2 Data over Qinghai-Tibet Plateau. <i>Remote Sensing</i> , 2022, 14, 2899.	4.0	2
16	Comparison of Machine Learning-Based Snow Depth Estimates and Development of a New Operational Retrieval Algorithm over China. <i>Remote Sensing</i> , 2022, 14, 2800.	4.0	3
17	A Universal Ratio Snow Index for Fractional Snow Cover Estimation. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021, 18, 721-725.	3.1	12
18	Global Soil Moisture Retrievals From the Chinese FY-3D Microwave Radiation Imager. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 4018-4032.	6.3	14

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19	Assessing the active-passive approach at variant incidence angles for microwave brightness temperature downscaling. <i>International Journal of Digital Earth</i> , 2021, 14, 1273-1293.	3.9	8
20	Tracking the Atmospheric "Terrestrial Water Cycle over the Tibetan Plateau Based on ERA5 and GRACE. <i>Journal of Climate</i> , 2021, 34, 6459-6471.	3.2	8
21	A long term global daily soil moisture dataset derived from AMSR-E and AMSR2 (2002-2019). <i>Scientific Data</i> , 2021, 8, 143.	5.3	44
22	Evaluation of the Effective Microstructure Parameter of the Microwave Emission Model of Layered Snowpack for Multiple-Layer Snow. <i>Remote Sensing</i> , 2021, 13, 2012.	4.0	1
23	A new global gridded sea surface temperature data product based on multisource data. <i>Earth System Science Data</i> , 2021, 13, 2111-2134.	9.9	8
24	Retrievals of soil moisture and vegetation optical depth using a multi-channel collaborative algorithm. <i>Remote Sensing of Environment</i> , 2021, 257, 112321.	11.0	80
25	A simulation-based approach for removing the effect of water contamination on SMAP soil moisture retrieval over the Qinghai-Tibet Plateau. <i>Remote Sensing Letters</i> , 2021, 12, 757-767.	1.4	4
26	A fine-resolution soil moisture dataset for China in 2002-2018. <i>Earth System Science Data</i> , 2021, 13, 3239-3261.	9.9	48
27	Atmospheric Correction to Passive Microwave Brightness Temperature in Snow Cover Mapping Over China. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 6482-6495.	6.3	6
28	Remote sensing experiments for earth system science. <i>International Journal of Digital Earth</i> , 2021, 14, 1237-1242.	3.9	3
29	All-sky total and direct surface Shortwave Downward Radiation (SWDR) estimation from satellite: Applications to MODIS and Himawari-8. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021, 102, 102380.	2.8	5
30	A method for land surface temperature retrieval based on model-data-knowledge-driven and deep learning. <i>Remote Sensing of Environment</i> , 2021, 265, 112665.	11.0	30
31	A first assessment of satellite and reanalysis estimates of surface and root-zone soil moisture over the permafrost region of Qinghai-Tibet Plateau. <i>Remote Sensing of Environment</i> , 2021, 265, 112666.	11.0	64
32	Soil moisture downscaling using multiple modes of the DISPATCH algorithm in a semi-humid/humid region. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021, 104, 102530.	2.8	3
33	Multi-Source Hydrological Data Products to Monitor High Asian River Basins and Regional Water Security. <i>Remote Sensing</i> , 2021, 13, 5122.	4.0	3
34	Estimation of shortwave solar radiation using the artificial neural network from Himawari-8 satellite imagery over China. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 240, 106672.	2.3	30
35	High-resolution retrieval of cloud microphysical properties and surface solar radiation using Himawari-8/AHI next-generation geostationary satellite. <i>Remote Sensing of Environment</i> , 2020, 239, 111583.	11.0	106
36	Thermophysical Features of the 1/4mker Region in Northern Oceanus Procellarum: Insights from CE-2 CELMS Data. <i>Remote Sensing</i> , 2020, 12, 3272.	4.0	10

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37	Modeling in Remote Sensing Technical Committee Activities [Technical Committees]. IEEE Geoscience and Remote Sensing Magazine, 2020, 8, 139-141.	9.6	0
38	Impacts of Assimilating ATMS Radiances on Heavy Rainfall Forecast in RMAPS-ST. Remote Sensing, 2020, 12, 1147.	4.0	2
39	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
40	The Retrieval of Total Precipitable Water over Global Land Based on FY-3D/MWRI Data. Remote Sensing, 2020, 12, 1508.	4.0	11
41	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
42	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
43	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
44	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
45	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
46	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
47	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
48	Subpixel Mapping of Surface Water in the Tibetan Plateau with MODIS Data. Remote Sensing, 2020, 12, 1154.	4.0	13
49	Driving forces of land surface temperature anomalous changes in North America in 2002–2018. Scientific Reports, 2020, 10, 6931.	3.3	41
50	Soil moisture experiment in the Luan River supporting new satellite mission opportunities. Remote Sensing of Environment, 2020, 240, 111680.	11.0	120
51	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
52	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
53	Deep Learning Convolutional Neural Network for the Retrieval of Land Surface Temperature from AMSR2 Data in China. Sensors, 2019, 19, 2987.	3.8	32
54	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

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55	A Split Window Algorithm for Retrieving Land Surface Temperature from FY-3D MERSI-2 Data. Remote Sensing, 2019, 11, 2083.	4.0	21
56	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
57	Mathematical Assessment of the Effects of Substituting the Band Radiative Transfer Equation (RTE) for the Spectral RTE in the Applications of Earth's Surface Temperature Retrievals from Spaceborne Infrared Imageries. Remote Sensing, 2019, 11, 226.	4.0	1
58	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
59	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
60	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
61	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
62	Recovering Land Surface Temperature Under Cloudy Skies Considering the Solar-Cloud-Satellite Geometry: Application to MODIS and Landsat-8 Data. Journal of Geophysical Research D: Atmospheres, 2019, 124, 3401-3416.	3.3	41
63	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
64	Microwave Vegetation Index from Multi-Angular Observations and Its Application in Vegetation Properties Retrieval: Theoretical Modelling. Remote Sensing, 2019, 11, 730.	4.0	10
65	Atmospheric correction of passive microwave brightness temperature on the estimation of snow depth. , 2019, , .		1
66	A Lut-Based Method to Estimate Clear-Sky Instantaneous Land Surface Shortwave Downward Radiation and its Direct Component from Modis Data. , 2019, , .		2
67	Snow-Covered Area Retrieval from Himawari-8 AHI Imagery of the Tibetan Plateau. Remote Sensing, 2019, 11, 2391.	4.0	9
68	An Assessment of Satellite Radiance Data Assimilation in RMAPS. Remote Sensing, 2019, 11, 54.	4.0	23
69	Cloudy-Sky Land Surface Longwave Upward Radiation Derivation from Satellite Measurements. , 2019, , .		1
70	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
71	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
72	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

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73	Airborne and Spaceborne Passive Microwave Measurements of Soil Moisture. <i>Ecohydrology</i> , 2019, , 71-105.	0.2	6
74	Diurnal cycle and seasonal variation of cloud cover over the Tibetan Plateau as determined from Himawari-8 new-generation geostationary satellite data. <i>Scientific Reports</i> , 2018, 8, 1105.	3.3	65
75	Cloudy-sky land surface longwave downward radiation (LWDR) estimation by integrating MODIS and AIRS/AMSU measurements. <i>Remote Sensing of Environment</i> , 2018, 205, 100-111.	11.0	42
76	Impact of Radiance Data Assimilation on the Prediction of Heavy Rainfall in RMAPS: A Case Study. <i>Remote Sensing</i> , 2018, 10, 1380.	4.0	14
77	Model Investigation of Time-Series Ground Based Sar and Microwave Radiometer Experimental Data of Snow-Covered Soil. , 2018, , .		1
78	An Extension of Microwave Vegetation Indices for Short Vegetation Covered Surfaces Using FY-3B/MWRI Data. , 2018, , .		0
79	Construction of the 500m Resolution Daily Global Surface Water Change Database (2001-2016). <i>Water Resources Research</i> , 2018, 54, 10,270.	4.2	69
80	Recent Progress in Quantitative Land Remote Sensing in China. <i>Remote Sensing</i> , 2018, 10, 1490.	4.0	4
81	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. <i>IEEE Geoscience and Remote Sensing Magazine</i> , 2018, 6, 86-98.	9.6	6
82	A Parameterized Multiangular Microwave Emission Model of L-, C-, and X-Bands for Corn Considering Multiple-Scattering Effects. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2018, 15, 1249-1253.	3.1	2
83	A total precipitable water retrieval method over land using the combination of passive microwave and optical remote sensing. <i>Remote Sensing of Environment</i> , 2017, 191, 313-327.	11.0	34
84	Reappraisal of the roughness effect parameterization schemes for L-band radiometry over bare soil. <i>Remote Sensing of Environment</i> , 2017, 199, 63-77.	11.0	18
85	Estimation of snow wetness by a dual-frequency radar. , 2017, , .		1
86	Estimation of Microwave Atmospheric Transmittance Over China. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017, 14, 2210-2214.	3.1	11
87	Rebuilding Long Time Series Global Soil Moisture Products Using the Neural Network Adopting the Microwave Vegetation Index. <i>Remote Sensing</i> , 2017, 9, 35.	4.0	24
88	A Parameterized Microwave Emissivity Model for Bare Soil Surfaces. <i>Remote Sensing</i> , 2017, 9, 155.	4.0	5
89	Effect of Solar-Cloud-Satellite Geometry on Land Surface Shortwave Radiation Derived from Remotely Sensed Data. <i>Remote Sensing</i> , 2017, 9, 690.	4.0	20
90	High-Resolution Mapping of Freeze/Thaw Status in China via Fusion of MODIS and AMSR2 Data. <i>Remote Sensing</i> , 2017, 9, 1339.	4.0	17

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91	Effects of Land Use Change for Crops on Water and Carbon Budgets in the Midwest USA. Sustainability, 2017, 9, 225.	3.2	6
92	Fractional Snow Cover Mapping from FY-2 VISSR Imagery of China. Remote Sensing, 2017, 9, 983.	4.0	14
93	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
94	Estimation of high-resolution near-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
95	Reconstructing spatial-temporal continuous MODIS land surface temperature using the DINEOF method. Journal of Applied Remote Sensing, 2017, 11, 1.	1.3	15
96	Estimating Snow Water Equivalent with Backscattering at X and Ku Band Based on Absorption Loss. Remote Sensing, 2016, 8, 505.	4.0	37
97	Evaluation of HY-2A Scatterometer Wind Vectors Using Data from Buoys, ERA-Interim and ASCAT during 2012-2014. Remote Sensing, 2016, 8, 390.	4.0	14
98	Toward a general method for detecting clouds and shadows in optical remote sensing imagery. , 2016, , .		3
99	Moisture retrieval based on an optimized Least Squares Support Vector Machine Model. , 2016, , .		0
100	Index-based evaluation of vegetation response to meteorological drought in Northern China. Natural Hazards, 2016, 84, 2179-2193.	3.4	11
101	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
102	Global mapping of land surface soil moisture from the water cycle observation mission (WCOM). , 2016, , .		0
103	Review of snow water equivalent microwave remote sensing. Science China Earth Sciences, 2016, 59, 731-745.	5.2	45
104	Observation system simulation experiment for a L-band microwave radiometer over rough bare soil site: A first step towards brightness temperature assimilation. , 2015, , .		0
105	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
106	An Improved Endmember Selection Method Based on Vector Length for MODIS Reflectance Channels. Remote Sensing, 2015, 7, 6280-6295.	4.0	6
107	Modeling Microwave Emission from Short Vegetation-Covered Surfaces. Remote Sensing, 2015, 7, 14099-14118.	4.0	4
108	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

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109	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
110	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
111	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
112	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
113	Mapping Global Atmospheric CO ₂ Concentration at High Spatiotemporal Resolution. Atmosphere, 2014, 5, 870-888.	2.3	18
114	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
115	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
116	Estimation of vegetation optical depth and single scattering albedo using multi-angular microwave vegetation indices (MVIs). , 2014, , .		0
117	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
118	Monitoring snow cover using Chinese meteorological satellite data over China. Remote Sensing of Environment, 2014, 143, 192-203.	11.0	26
119	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
120	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
121	Parameterized exponentially correlated surface emission model for L-band passive microwave soil moisture retrieval. , 2014, , .		0
122	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
123	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
124	The role of satellite remote sensing in climate change studies. Nature Climate Change, 2013, 3, 875-883.	18.8	350
125	A new method for estimation of bare surface soil moisture using time-series radar observations. , 2013, , .		1
126	Inter-comparisons of snow covered terrian microwave scattering models. , 2013, , .		1

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127	An approach for surface soil moisture retrieval using microwave vegetation indices based on SMOS data. , 2013, , .		0
128	Comparison of vegetation optical depth estimation methods using AMSR-E data. , 2013, , .		0
129	Soil moisture retrieval by remote sensing and multi-year trend analysis of the soil moisture in Tibetan Plateau. , 2012, , .		2
130	A quantitative model of soil moisture and instantaneous variation of land surface temperature. , 2012, , .		0
131	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
132	Passive microwave radiance estimation by coupling a land surface emissivity model with CRTM. , 2012, , .		0
133	Discrete scatter model for microwave radiometer response to wheat field, comparison of theory and data. , 2012, , .		0
134	Estimating of atmospheric parameters on land using AMSR-E, part I: Inferring precipitable water vapor. , 2012, , .		0
135	Evaluation of emission from snow-covered ground for passive microwave remote sensing. International Journal of Remote Sensing, 2012, 33, 872-886.	2.9	3
136	Estimating of atmospheric parameters on land using AMSR-E, part II: Inferring cloud liquid water. , 2012, , .		0
137	Microwave snow backscattering modeling based on two-dimensional snow section image and equivalent grain size. , 2012, , .		3
138	Microwave vegetation index from SMOS. , 2012, , .		0
139	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
140	Progresses on microwave remote sensing of land surface parameters. Science China Earth Sciences, 2012, 55, 1052-1078.	5.2	67
141	Microwave Vegetation Indices from Satellite Passive Microwave Sensors for Mapping Global Vegetation Cover. , 2012, , 411-442.		0
142	Applications of the integral equation model in microwave remote sensing of land surface parameters. , 2011, , .		1
143	Experiments of satellite data simulation based on the Community Land Model and SCE-UA algorithm. , 2011, , .		1
144	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

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145	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
146	Assessment of boreal forest biomass using L-band radiometer SMOS data. , 2011, , .		5
147	An improved approach for retrieving soil moisture and surface roughness from passive microwave observation. , 2011, , .		0
148	Analysis of the passive microwave high-frequency signal in the shallow snow retrieval. , 2011, , .		3
149	Evaluation of terrain effect on microwave radiometer measurement and its correction. International Journal of Remote Sensing, 2011, 32, 8899-8913.	2.9	11
150	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
151	Analysis between AMSRE swath brightness temperature and ground snow depth data in winter time over Tibet Plateau, China. , 2010, , .		3
152	A method to estimate Snow Water Equivalent using multi-angle X-band radar observations. , 2010, , .		2
153	The development of HJ SAR soil moisture retrieval algorithm. International Journal of Remote Sensing, 2010, 31, 3691-3705.	2.9	25
154	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
155	The development of microwave vegetation index for future SMOS applications. , 2009, , .		4
156	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
157	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
158	Microwave Vegetation Index Derived from Multi-angular Passive Microwave Observations at L-Band. , 2008, , .		0
159	Active Microwave Remote Sensing Systems and Applications to Snow Monitoring. , 2008, , 19-49.		11
160	Physically based estimation Soil Moisture from L-band radiometer. , 2008, , .		1
161	Estimation of Soil Moisture with Dual-Frequency - PALS. , 2008, , .		2
162	A method to retrieve soil moisture using ERS Scatterometer data. , 2007, , .		1

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163	A physics-based statistical algorithm for retrieving land surface temperature from AMSR-E passive microwave data. <i>Science in China Series D: Earth Sciences</i> , 2007, 50, 1115-1120.	0.9	48
164	A parameterized multiple-scattering model for microwave emission from dry snow. <i>Remote Sensing of Environment</i> , 2007, 111, 357-366.	11.0	49
165	An observing system simulation experiment for hydros radiometer-only soil moisture products. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2005, 43, 1289-1303.	6.3	85
166	A parameterized multifrequency-polarization surface emission model. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2005, 43, 2831-2841.	6.3	138
167	The hydrosphere State (hydros) Satellite mission: an Earth system pathfinder for global mapping of soil moisture and land freeze/thaw. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2004, 42, 2184-2195.	6.3	217
168	<title>Study of snow water equivalence inversion technique with simulating model</title>. , 2004, , .		2
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