

# Jun Wen

## List of Publications by Year in descending order

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78  
papers

1,888  
citations

218592

26  
h-index

289141

40  
g-index

83  
all docs

83  
docs citations

83  
times ranked

1786  
citing authors

#	ARTICLE	IF	CITATIONS
1	Active and Passive Microwave Signatures of Diurnal Soil Freeze-Thaw Transitions on the Tibetan Plateau. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-14.	2.7	5
2	Characteristic analysis of the spatio-temporal distribution of key variables of the soil freeze-thaw processes over the Qinghai-Tibetan Plateau. <i>Cold Regions Science and Technology</i> , 2022, 197, 103526.	1.6	6
3	Diurnal Variation in Cloud and Precipitation Characteristics in Summer over the Tibetan Plateau and Sichuan Basin. <i>Remote Sensing</i> , 2022, 14, 2711.	1.8	4
4	Variations in the top-layer soil freezing/thawing process from 2009 to 2018 in the Maqu area of the Tibetan Plateau. <i>Theoretical and Applied Climatology</i> , 2021, 143, 21-32.	1.3	12
5	Using a Discrete Scattering Model to Constrain Water Cloud Model for Simulating Ground-Based Scatterometer Measurements and Retrieving Soil Moisture. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021, , 1-1.	2.3	1
6	An Air-to-Soil Transition Model for Discrete Scattering-Emission Modelling at L-Band. <i>Journal of Remote Sensing</i> , 2021, 2021, .	3.2	7
7	Impact of Soil Permittivity and Temperature Profile on L-Band Microwave Emission of Frozen Soil. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 4080-4093.	2.7	15
8	Year-long, broad-band, microwave backscatter observations of an alpine meadow over the Tibetan Plateau with a ground-based scatterometer. <i>Earth System Science Data</i> , 2021, 13, 2819-2856.	3.7	5
9	Monitoring Water and Energy Cycles at Climate Scale in the Third Pole Environment (CLIMATE-TPE). <i>Remote Sensing</i> , 2021, 13, 3661.	1.8	7
10	Estimates of Daily Evapotranspiration in the Source Region of the Yellow River Combining Visible/Near-Infrared and Microwave Remote Sensing. <i>Remote Sensing</i> , 2021, 13, 53.	1.8	2
11	Parameter Sensitivities of the Community Land Model at Two Alpine Sites in the Three-River Source Region. <i>Journal of Meteorological Research</i> , 2020, 34, 851-864.	0.9	7
12	Assessments of the factors controlling latent heat flux and the coupling degree between an alpine wetland and the atmosphere on the Qinghai-Tibetan Plateau in summer. <i>Atmospheric Research</i> , 2020, 240, 104937.	1.8	7
13	Role of May surface temperature over eastern China in East Asian summer monsoon circulation and precipitation. <i>International Journal of Climatology</i> , 2020, 40, 6396-6409.	1.5	7
14	A study of the characteristics of energy flux and its relationship with the summer monsoon over alpine wetlands in the source region of the Yellow River. <i>Meteorology and Atmospheric Physics</i> , 2019, 131, 195-210.	0.9	0
15	Derivation of Vegetation Optical Depth and Water Content in the Source Region of the Yellow River using the FY-3B Microwave Data. <i>Remote Sensing</i> , 2019, 11, 1536.	1.8	8
16	Hydro-meteorological influences on the growing season CO <sub>2</sub> exchange of an alpine meadow in the northeastern Tibetan Plateau permafrost region: observations using eddy covariance method. <i>Theoretical and Applied Climatology</i> , 2019, 138, 1063-1073.	1.3	5
17	A Closed-Form Expression of Soil Temperature Sensing Depth at L-Band. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 4889-4897.	2.7	13
18	Assessment of Soil Moisture SMAP Retrievals and ELBARA-III Measurements in a Tibetan Meadow Ecosystem. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2019, 16, 1407-1411.	1.4	13

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19	Sampling depth of L-band radiometer measurements of soil moisture and freeze-thaw dynamics on the Tibetan Plateau. <i>Remote Sensing of Environment</i> , 2019, 226, 16-25.	4.6	54
20	Parameter Optimization of a Discrete Scattering Model by Integration of Global Sensitivity Analysis Using SMAP Active and Passive Observations. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 1084-1099.	2.7	22
21	Variations of precipitation characteristics during the period 1960–2014 in the Source Region of the Yellow River, China. <i>Journal of Arid Land</i> , 2018, 10, 388-401.	0.9	14
22	Assessment of Air Temperature Trends in the Source Region of Yellow River and Its Sub-Basins, China. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2018, 54, 111-123.	1.3	16
23	Assessment of the SMAP Soil Emission Model and Soil Moisture Retrieval Algorithms for a Tibetan Desert Ecosystem. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 3786-3799.	2.7	27
24	Impact of surface roughness, vegetation opacity and soil permittivity on L-band microwave emission and soil moisture retrieval in the third pole environment. <i>Remote Sensing of Environment</i> , 2018, 209, 633-647.	4.6	40
25	Climate-related trends of actual evapotranspiration over the Tibetan Plateau (1961–2010). <i>International Journal of Climatology</i> , 2018, 38, e48.	1.5	27
26	The warm season characteristics of the turbulence structure and transfer of turbulent kinetic energy over alpine wetlands at the source of the Yellow River. <i>Meteorology and Atmospheric Physics</i> , 2018, 130, 529-542.	0.9	6
27	Late spring soil moisture variation over the Tibetan Plateau and its influences on the plateau summer monsoon. <i>International Journal of Climatology</i> , 2018, 38, 4597-4609.	1.5	10
28	Broadband Full Polarimetric Scatterometry for Monitoring Soil Moisture and Vegetation Properties Over a Tibetan Meadow. , 2018, , .		1
29	High-Resolution Land Surface Modeling of Hydrological Changes Over the Sanjiangyuan Region in the Eastern Tibetan Plateau: 1. Model Development and Evaluation. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 2806-2828.	1.3	43
30	A Study of Soil Thermal and Hydraulic Properties and Parameterizations for CLM in the SRYR. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 8487-8499.	1.2	18
31	Estimation of Penetration Depth from Soil Effective Temperature in Microwave Radiometry. <i>Remote Sensing</i> , 2018, 10, 519.	1.8	38
32	Liquid-Vapor-Air Flow in the Frozen Soil. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 7393-7415.	1.2	57
33	Impact of soil freeze-thaw mechanism on the runoff dynamics of two Tibetan rivers. <i>Journal of Hydrology</i> , 2018, 563, 382-394.	2.3	44
34	Energy balance in the semiarid area of the Loess Plateau, China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 2155-2168.	1.2	13
35	Assessment of Noah land surface model with various runoff parameterizations over a Tibetan river. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 1488-1504.	1.2	37
36	Evaluation of Noah Frozen Soil Parameterization for Application to a Tibetan Meadow Ecosystem. <i>Journal of Hydrometeorology</i> , 2017, 18, 1749-1763.	0.7	37

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37	Validation of evapotranspiration and its long-term trends in the Yellow River source region. <i>Journal of Water and Climate Change</i> , 2017, 8, 495-509.	1.2	9
38	L-Band Microwave Emission of Soil Freeze-Thaw Process in the Third Pole Environment. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 5324-5338.	2.7	36
39	Determination of the Optimal Mounting Depth for Calculating Effective Soil Temperature at L-Band: Maqu Case. <i>Remote Sensing</i> , 2016, 8, 476.	1.8	9
40	Spatial and Temporal Soil Moisture Variations over China from Simulations and Observations. <i>Advances in Meteorology</i> , 2016, 2016, 1-14.	0.6	11
41	Blending Satellite Observed, Model Simulated, and in Situ Measured Soil Moisture over Tibetan Plateau. <i>Remote Sensing</i> , 2016, 8, 268.	1.8	70
42	Analysis of the Qinghai-Xizang Plateau Monsoon Evolution and Its Linkages with Soil Moisture. <i>Remote Sensing</i> , 2016, 8, 493.	1.8	11
43	Impacts of Noah model physics on catchment-scale runoff simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 807-832.	1.2	26
44	Correlation analysis between initial preliminary breakdown process, the characteristic of radiation pulse, and the charge structure on the Qinghai-Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 12,434.	1.2	10
45	A reappraisal of global soil effective temperature schemes. <i>Remote Sensing of Environment</i> , 2016, 183, 144-153.	4.6	12
46	Representativeness of the ground observational sites and up-scaling of the point soil moisture measurements. <i>Journal of Hydrology</i> , 2016, 533, 62-73.	2.3	17
47	Responses of soil moisture and thermal conductivity to precipitation in the mesa of the Loess Plateau. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	13
48	Aquarius L-band scatterometer and radiometer observations over a Tibetan Plateau site. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2016, 45, 165-177.	1.4	10
49	Under-canopy turbulence and root water uptake of a Tibetan meadow ecosystem modeled by NMP. <i>Water Resources Research</i> , 2015, 51, 5735-5755.	1.7	23
50	Augmentations to the Noah Model Physics for Application to the Yellow River Source Area. Part I: Soil Water Flow. <i>Journal of Hydrometeorology</i> , 2015, 16, 2659-2676.	0.7	54
51	Summertime thermally-induced circulations over the Lake Nam Co region of the Tibetan Plateau. <i>Journal of Meteorological Research</i> , 2015, 29, 305-314.	0.9	9
52	Evidence for a recent warming and wetting in the source area of the Yellow River (SAYR) and its hydrological impacts. <i>Journal of Chinese Geography</i> , 2015, 25, 643-668.	1.5	27
53	Augmentations to the Noah Model Physics for Application to the Yellow River Source Area. Part II: Turbulent Heat Fluxes and Soil Heat Transport. <i>Journal of Hydrometeorology</i> , 2015, 16, 2677-2694.	0.7	49
54	Soil Moisture Mapping Using Combined Active/Passive Microwave Observations Over the East of the Netherlands. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015, 8, 4355-4372.	2.3	31

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55	An Algorithm Based on the Standard Deviation of Passive Microwave Brightness Temperatures for Monitoring Soil Surface Freeze/Thaw State on the Tibetan Plateau. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015, 53, 2775-2783.	2.7	28
56	Evapotranspiration estimated by using datasets from the Chinese FengYun-2D geostationary meteorological satellite over the Yellow River source area. <i>Advances in Space Research</i> , 2015, 55, 60-71.	1.2	7
57	Land-atmospheric water and energy cycle of winter wheat, Loess Plateau, China. <i>International Journal of Climatology</i> , 2014, 34, 3044-3053.	1.5	8
58	Assessment of Roughness Length Schemes Implemented within the Noah Land Surface Model for High-Altitude Regions. <i>Journal of Hydrometeorology</i> , 2014, 15, 921-937.	0.7	55
59	New evidence for the links between the local water cycle and the underground wet sand layer of a mega-dune in the Badain Jaran Desert, China. <i>Journal of Arid Land</i> , 2014, 6, 371.	0.9	12
60	An improved two-layer algorithm for estimating effective soil temperature in microwave radiometry using in situ temperature and soil moisture measurements. <i>Remote Sensing of Environment</i> , 2014, 152, 356-363.	4.6	34
61	Numerical simulations of fractional vegetation coverage influences on the convective environment over the source region of the Yellow River. <i>Meteorology and Atmospheric Physics</i> , 2013, 120, 1-10.	0.9	14
62	An Improvement of Roughness Height Parameterization of the Surface Energy Balance System (SEBS) over the Tibetan Plateau. <i>Journal of Applied Meteorology and Climatology</i> , 2013, 52, 607-622.	0.6	116
63	Validation of SMOS Soil Moisture Products over the Maqu and Twente Regions. <i>Sensors</i> , 2012, 12, 9965-9986.	2.1	150
64	Effect of pixel scale on evapotranspiration estimation by remote sensing over oasis areas in north-western China. <i>Environmental Earth Sciences</i> , 2012, 67, 2301-2313.	1.3	13
65	Numerical analysis of air-water-heat flow in unsaturated soil: Is it necessary to consider airflow in land surface models?. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	68
66	A simulation analysis of the advective effect on evaporation using a two-phase heat and mass flow model. <i>Water Resources Research</i> , 2011, 47, .	1.7	73
67	Regional soil moisture retrievals and simulations from assimilation of satellite microwave brightness temperature observations. <i>Environmental Earth Sciences</i> , 2010, 61, 1289-1299.	1.3	6
68	Application and improvement of an adaptive ensemble Kalman filter for soil moisture data assimilation. <i>Science China Earth Sciences</i> , 2010, 53, 1700-1708.	2.3	7
69	Response of runoff in the headwater region of the Yellow River to climate change and its sensitivity analysis. <i>Journal of Chinese Geography</i> , 2010, 20, 848-860.	1.5	30
70	Vertical atmospheric structure of the late summer clear days over the east Gansu loess plateau in China. <i>Advances in Atmospheric Sciences</i> , 2009, 26, 381-389.	1.9	2
71	Estimation of the Total Atmospheric Water Vapor Content and Land Surface Temperature Based on AATSR Thermal Data. <i>Sensors</i> , 2008, 8, 1832-1845.	2.1	9
72	Determination of regional land surface heat fluxes over a heterogeneous landscape of the Jiddah area of Saudi Arabia by using Landsat-7 ETM data. <i>Hydrological Processes</i> , 2007, 21, 1892-1900.	1.1	5

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73	Autumn daily characteristics of land surface heat and water exchange over the Loess Plateau mesa in China. <i>Advances in Atmospheric Sciences</i> , 2007, 24, 301-310.	1.9	19
74	Retrieval of Soil Moisture and Vegetation Water Content Using SSM/I Data over a Corn and Soybean Region. <i>Journal of Hydrometeorology</i> , 2005, 6, 854-863.	0.7	37
75	A time series based method for estimating relative soil moisture with ERS wind scatterometer data. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	29
76	Determination of land surface temperature and soil moisture from Tropical Rainfall Measuring Mission/Microwave Imager remote sensing data. <i>Journal of Geophysical Research</i> , 2003, 108, ACL 2-1.	3.3	73
77	Determination of Regional Land Surface Heat Flux Densities over Heterogeneous Landscape of HEIFE Integrating Satellite Remote Sensing with Field Observations.. <i>Journal of the Meteorological Society of Japan</i> , 2002, 80, 485-501.	0.7	30
78	Case studies of atmospheric moisture sources in the source region of the Yellow River from a Lagrangian perspective. <i>International Journal of Climatology</i> , 0, , .	1.5	3