Wei Wan

List of Publications by Year
in descending order

32 papers	1,061 citations	471509 17 h-index	414414 32 g-index
34 all docs	34 docs citations	34 times ranked	1303 citing authors

#	Article	IF	Citations
1	Similarity and Error Intercomparison of the GPM and Its Predecessor-TRMM Multisatellite Precipitation Analysis Using the Best Available Hourly Gauge Network over the Tibetan Plateau. Remote Sensing, 2016, 8, 569.	4.0	129
2	Monitoring lake changes of Qinghai-Tibetan Plateau over the past 30 years using satellite remote sensing data. Science Bulletin, 2014, 59, 1021-1035.	1.7	102
3	A lake data set for the Tibetan Plateau from the 1960s, 2005, and 2014. Scientific Data, 2016, 3, 160039.	5.3	100
4	Changes of water clarity in large lakes and reservoirs across China observed from long-term MODIS. Remote Sensing of Environment, 2020, 247, 111949.	11.0	100
5	A Mathematical Model of Heat Transfer in a Rotary Kiln Thermo-Reactor. Chemical Engineering and Technology, 2005, 28, 1480-1489.	1.5	82
6	A comprehensive data set of lake surface water temperature over the Tibetan Plateau derived from MODIS LST products 2001â€"2015. Scientific Data, 2017, 4, 170095.	5.3	71
7	Recognizing Global Reservoirs From Landsat 8 Images: A Deep Learning Approach. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 3168-3177.	4.9	54
8	Using CYGNSS Data to Monitor Chinaâ€™s Flood Inundation during Typhoon and Extreme Precipitation Events in 2017. Remote Sensing, 2019, 11, 854.	4.0	49
9	Lake Surface Water Temperature Change Over the Tibetan Plateau From 2001 to 2015: A Sensitive Indicator of the Warming Climate. Geophysical Research Letters, 2018, 45, 11,177.	4.0	46
10	Similarities and differences between three coexisting spaceborne radars in global rainfall and snowfall estimation. Water Resources Research, 2017, 53, 3835-3853.	4.2	42
11	Comprehensive Evaluation of Using TechDemoSat-1 and CYGNSS Data to Estimate Soil Moisture over Mainland China. Remote Sensing, 2020, 12, 1699.	4.0	32
12	A long-term dataset of lake surface water temperature over the Tibetan Plateau derived from AVHRR 1981â€"2015. Scientific Data, 2019, 6, 48.	5.3	26
13	Using BDS SNR Observations to Measure Near-Surface Soil Moisture Fluctuations: Results From Low Vegetated Surface. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 1308-1312.	3.1	25
14	Spatio-temporal variability of Antarctic sea-ice thickness and volume obtained from ICESat data using an innovative algorithm. Remote Sensing of Environment, 2018, 219, 44-61.	11.0	20
15	A New Digital Lake Bathymetry Model Using the Step-Wise Water Recession Method to Generate 3D Lake Bathymetric Maps Based on DEMs. Water (Switzerland), 2019, 11, 1151.	2.7	18
16	Land surface characterization using BeiDou signal-to-noise ratio observations. GPS Solutions, 2019, 23, 1.	4.3	18
17	A new method for assessing satellite-based hydrological data products using water budget closure. Journal of Hydrology, 2021, 594, 125927.	5.4	17
18	Extracting urban areas in China using DMSP/OLS nighttime light data integrated with biophysical composition information. Journal of Chinese Geography, 2016, 26, 325-338.	3.9	15

#	Article	IF	Citations
19	A remote sensing-based area dataset for approximately 40 years that reveals the hydrological asynchrony of Lake Chad based on Google Earth Engine. Journal of Hydrology, 2021, 603, 126934.	5.4	13
20	An Efficient and Effective Approach for Georeferencing AVHRR and GaoFen-1 Imageries Using Inland Water Bodies. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 2491-2500.	4.9	11
21	Can the Accuracy of Sea Surface Salinity Measurement be Improved by Incorporating Spaceborne GNSS-Reflectometry?. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 3-7.	3.1	11
22	Initial results of China's GNSS-R airborne campaign: soil moisture retrievals. Science Bulletin, 2015, 60, 964-971.	9.0	10
23	Spaceborne GNSS-R Observation of Global Lake Level: First Results from the TechDemoSat-1 Mission. Remote Sensing, 2019, 11, 1438.	4.0	9
24	Initial Evaluation of the First Chinese GNSS-R Mission BuFeng-1 A/B for Soil Moisture Estimation. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	9
25	A Two-Step Method to Calibrate CYGNSS-Derived Land Surface Reflectivity for Accurate Soil Moisture Estimations. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	7
26	A Physics-Based Algorithm to Couple CYGNSS Surface Reflectivity and SMAP Brightness Temperature Estimates for Accurate Soil Moisture Retrieval. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	6
27	First Assessment of CyGNSS-Incorporated SMAP Sea Surface Salinity Retrieval Over Pan-Tropical Ocean. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 12163-12173.	4.9	5
28	Using GPS SNR data to estimate Soil Moisture variations: Proposing a new interference model. , 2016, , .		4
29	Recognizing Global Dams From High-Resolution Remotely Sensed Images Using Convolutional Neural Networks. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 6363-6371.	4.9	4
30	Soil Moisture Retrieval Using BuFeng-1 A/B Based on Land Surface Clustering Algorithm. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 4680-4689.	4.9	4
31	Estimating soil moisture content using GNSS-R technique based on statistics. , 2015, , .		3
32	Corrections to "Recognizing Global Reservoirs From Landsat 8 Images: A Deep Learning Approach" [Sep 19 3168-3177]. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 3701-3701.	4.9	1