Baojian Liu

List of Publications by Year
in descending order

20 papers	939 citations	840776 11 h-index	752698 20 g-index
21 all docs	21 docs citations	21 times ranked	927 citing authors

#	Article	IF	Citations
1	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
2	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
3	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
4	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
5	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
6	Deriving Antarctic Seaâ€ice Thickness From Satellite Altimetry and Estimating Consistency for NASA's ICESat/ICESatâ€2 Missions. Geophysical Research Letters, 2021, 48, e2021GL093425.	4.0	16
7	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
8	Construct Channel Network Topology From Remote Sensing Images by Morphology and Graph Analysis. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1163-1167.	3.1	9
9	Comprehensive Evaluation of Using TechDemoSat-1 and CYGNSS Data to Estimate Soil Moisture over Mainland China. Remote Sensing, 2020, 12, 1699.	4.0	32
10	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
11	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
12	Spaceborne GNSS-R Observation of Global Lake Level: First Results from the TechDemoSat-1 Mission. Remote Sensing, 2019, 11, 1438.	4.0	9
13	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
14	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
15	Corrections to â€œRecognizing Global Reservoirs From Landsat 8 Images: A Deep Learning Approachâ€•[Sep 19 3168-3177]. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 3701-3701.	4.9	1
16	A Google Earth Engine-enabled software for efficiently generating high-quality user-ready Landsat mosaic images. Environmental Modelling and Software, 2019, 112, 16-22.	4.5	50
17	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
18	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

#	Article	IF	Citations
19	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
20	Relaxation at the Angle of Repose. Physical Review Letters, 1989, 62, 40-43.	7.8	505