

Bin Fang

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,158
citations

394421

19
h-index

610901

24
g-index

30
all docs

30
docs citations

30
times ranked

1602
citing authors

#	ARTICLE	IF	CITATIONS
1	Land surface phenology derived from normalized difference vegetation index (NDVI) at global FLUXNET sites. <i>Agricultural and Forest Meteorology</i> , 2017, 233, 171-182.	4.8	154
2	Soil moisture at watershed scale: Remote sensing techniques. <i>Journal of Hydrology</i> , 2014, 516, 258-272.	5.4	120
3	Spring green-up phenology products derived from MODIS NDVI and EVI: Intercomparison, interpretation and validation using National Phenology Network and AmeriFlux observations. <i>Ecological Indicators</i> , 2017, 77, 323-336.	6.3	97
4	Water, Energy, and Carbon with Artificial Neural Networks (WECANN): a statistically based estimate of global surface turbulent fluxes and gross primary productivity using solar-induced fluorescence. <i>Biogeosciences</i> , 2017, 14, 4101-4124.	3.3	97
5	Improved modeling of land surface phenology using MODIS land surface reflectance and temperature at evergreen needleleaf forests of central North America. <i>Remote Sensing of Environment</i> , 2016, 176, 152-162.	11.0	85
6	Passive Microwave Soil Moisture Downscaling Using Vegetation Index and Skin Surface Temperature. <i>Vadose Zone Journal</i> , 2013, 12, 1-19.	2.2	79
7	Spring green-up date derived from GIMMS3g and SPOT-VGT NDVI of winter wheat cropland in the North China Plain. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2017, 130, 81-91.	11.1	70
8	Downscaling of SMAP Soil Moisture Using Land Surface Temperature and Vegetation Data. <i>Vadose Zone Journal</i> , 2018, 17, 1-15.	2.2	57
9	Drought monitoring using high spatial resolution soil moisture data over Australia in 2015–2019. <i>Journal of Hydrology</i> , 2021, 594, 125960.	5.4	43
10	The Influences of Drought and Land-Cover Conversion on Inter-Annual Variation of NPP in the Three-North Shelterbelt Program Zone of China Based on MODIS Data. <i>PLoS ONE</i> , 2016, 11, e0158173.	2.5	41
11	AMSR2 Soil Moisture Downscaling Using Temperature and Vegetation Data. <i>Remote Sensing</i> , 2018, 10, 1575.	4.0	38
12	Improved modeling of gross primary production from a better representation of photosynthetic components in vegetation canopy. <i>Agricultural and Forest Meteorology</i> , 2017, 233, 222-234.	4.8	34
13	Evaluation and validation of a high spatial resolution satellite soil moisture product over the Continental United States. <i>Journal of Hydrology</i> , 2020, 588, 125043.	5.4	32
14	Improved modeling of gross primary productivity (GPP) by better representation of plant phenological indicators from remote sensing using a process model. <i>Ecological Indicators</i> , 2018, 88, 332-340.	6.3	30
15	Passive/active microwave soil moisture change disaggregation using SMAPVEX12 data. <i>Journal of Hydrology</i> , 2019, 574, 1085-1098.	5.4	29
16	Evaluating Bias-Corrected AMSR Soil Moisture using in situ Observations and Model Estimates. <i>Vadose Zone Journal</i> , 2013, 12, 1-13.	2.2	27
17	A global 1-km downscaled SMAP soil moisture product based on thermal inertia theory. <i>Vadose Zone Journal</i> , 2022, 21, .	2.2	26
18	Downscaling of SMAP Soil Moisture in the Lower Mekong River Basin. <i>Water (Switzerland)</i> , 2020, 12, 56.	2.7	25

#	ARTICLE	IF	CITATIONS
19	Very High Spatial Resolution Downscaled SMAP Radiometer Soil Moisture in the CONUS Using VIIRS/MODIS Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 4946-4965.	4.9	20
20	Assessing Disaggregated SMAP Soil Moisture Products in the United States. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 2577-2592.	4.9	12
21	Thermal Hydraulic Disaggregation of SMAP Soil Moisture Over the Continental United States. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 4072-4092.	4.9	6
22	New feature selection method for EO-1/Hyperion image classification: a case study of Subei region, China. , 2007, , .		2
23	Passive/active microwave soil moisture retrieval disaggregation using SMAPVEX12 data. Proceedings of SPIE, 2014, , .	0.8	2
24	Downscaling and Validation of SMAP Radiometer Soil Moisture in CONUS. , 2019, , .		1
25	Spatial downscaling of coarse passive radiometer soil moisture using radar, vegetation index and surface temperature. , 2013, , .		0
26	Passive/active microwave soil moisture disaggregation using SMAP data. , 2017, , .		0
27	Smop Radiometer Soil Moisture Downscaling in Conus. , 2018, , .		0