Bin Fang

List of Publications by Year
in descending order

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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	A global 1â€km downscaled SMAP soil moisture product based on thermal inertia theory. Vadose Zone Journal, 2022, 21, .	2.2	26
2	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
3	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
4	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
5	Drought monitoring using high spatial resolution soil moisture data over Australia in 2015â€“2019. Journal of Hydrology, 2021, 594, 125960.	5.4	43
6	Evaluation and validation of a high spatial resolution satellite soil moisture product over the Continental United States. Journal of Hydrology, 2020, 588, 125043.	5.4	32
7	Downscaling of SMAP Soil Moisture in the Lower Mekong River Basin. Water (Switzerland), 2020, 12, 56.	2.7	25
8	Passive/active microwave soil moisture change disaggregation using SMAPVEX12 data. Journal of Hydrology, 2019, 574, 1085-1098.	5.4	29
9	Downscaling and Validation of SMAP Radiometer Soil Moisture in CONUS. , 2019, , .		1
10	Smap Radiometer Soil Moisture Downscaling in Conus. , 2018, , .		0
11	AMSR2 Soil Moisture Downscaling Using Temperature and Vegetation Data. Remote Sensing, 2018, 10, 1575.	4.0	38
12	Downscaling of SMAP Soil Moisture Using Land Surface Temperature and Vegetation Data. Vadose Zone Journal, 2018, 17, 1-15.	2.2	57
13	Improved modeling of gross primary productivity (GPP) by better representation of plant phenological indicators from remote sensing using a process model. Ecological Indicators, 2018, 88, 332-340.	6.3	30
14	Spring green-up phenology products derived from MODIS NDVI and EVI: Intercomparison, interpretation and validation using National Phenology Network and AmeriFlux observations. Ecological Indicators, 2017, 77, 323-336.	6.3	97
15	Land surface phenology derived from normalized difference vegetation index (NDVI) at global FLUXNET sites. Agricultural and Forest Meteorology, 2017, 233, 171-182.	4.8	154
16	Improved modeling of gross primary production from a better representation of photosynthetic components in vegetation canopy. Agricultural and Forest Meteorology, 2017, 233, 222-234.	4.8	34
17	Passive/active microwave soil moisture disaggregation using SMAP data. , 2017, , .		0
18	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. Biogeosciences, 2017, 14, 4101-4124.	3.3	97

#	Article	IF	Citations
19	Spring green-up date derived from GIMMS3g and SPOT-VGT NDVI of winter wheat cropland in the North China Plain. ISPRS Journal of Photogrammetry and Remote Sensing, 2017, 130, 81-91.	11.1	70
20	Improved modeling of land surface phenology using MODIS land surface reflectance and temperature at evergreen needleleaf forests of central North America. Remote Sensing of Environment, 2016, 176, 152-162.	11.0	85
21	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. PLoS ONE, 2016, 11, e0158173.	2.5	41
22	Passive/active microwave soil moisture retrieval disaggregation using SMAPVEX12 data. Proceedings of SPIE, 2014, , .	0.8	2
23	Soil moisture at watershed scale: Remote sensing techniques. Journal of Hydrology, 2014, 516, 258-272.	5.4	120
24	Spatial downscaling of coarse passive radiometer soil moisture using radar, vegetation index and surface temperature. , 2013, , .		0
25	Passive Microwave Soil Moisture Downscaling Using Vegetation Index and Skin Surface Temperature. Vadose Zone Journal, 2013, 12, 1-19.	2.2	79
26	Evaluating Biasâ€Corrected AMSRâ€E Soil Moisture using in situ Observations and Model Estimates. Vadose Zone Journal, 2013, 12, 1-13.	2.2	27
27	New feature selection method for EO-1/Hyperion image classification: a case study of Subei region, China. , 2007, , .		2