Fangni Lei

List of Publications by Year
in descending order

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23 papers	643 citations	471509 17 h-index	839539 18 g-index
23 all docs	23 docs citations	23 times ranked	902 citing authors

#	Article	IF	Citations
1	The Grape Remote Sensing Atmospheric Profile and Evapotranspiration Experiment. Bulletin of the American Meteorological Society, 2018, 99, 1791-1812.	3.3	88
2	Machine Learning-Based CYGNSS Soil Moisture Estimates over ISMN sites in CONUS. Remote Sensing, 2020, 12, 1168.	4.0	82
3	Data assimilation of high-resolution thermal and radar remote sensing retrievals for soil moisture monitoring in a drip-irrigated vineyard. Remote Sensing of Environment, 2020, 239, 111622.	11.0	46
4	Evaluations of Machine Learning-Based CYGNSS Soil Moisture Estimates against SMAP Observations. Remote Sensing, 2020, 12, 3503.	4.0	41
5	The Impact of Local Acquisition Time on the Accuracy of Microwave Surface Soil Moisture Retrievals over the Contiguous United States. Remote Sensing, 2015, 7, 13448-13465.	4.0	40
6	Robust estimates of soil moisture and latent heat flux coupling strength obtained from triple collocation. Geophysical Research Letters, 2015, 42, 8415-8423.	4.0	36
7	Global Investigation of Soil Moisture and Latent Heat Flux Coupling Strength. Water Resources Research, 2018, 54, 8196-8215.	4.2	34
8	Improving the estimation of hydrological states in the SWAT model via the ensemble Kalman smoother: Synthetic experiments for the Heihe River Basin in northwest China. Advances in Water Resources, 2014, 67, 32-45.	3.8	33
9	A Global Assessment of Added Value in the SMAP Level 4 Soil Moisture Product Relative to Its Baseline Land Surface Model. Geophysical Research Letters, 2019, 46, 6604-6613.	4.0	31
10	Quasi-global machine learning-based soil moisture estimates at high spatio-temporal scales using CYGNSS and SMAP observations. Remote Sensing of Environment, 2022, 276, 113041.	11.0	28
11	Soil Evaporation Stress Determines Soil Moistureâ€Evapotranspiration Coupling Strength in Land Surface Modeling. Geophysical Research Letters, 2020, 47, e2020GL090391.	4.0	27
12	Triple Collocation Based Multi-Source Precipitation Merging. Frontiers in Water, 2020, 2, .	2.3	26
13	Land transpiration-evaporation partitioning errors responsible for modeled summertime warm bias in the central United States. Nature Communications, 2022, 13, 336.	12.8	25
14	Evaluation of Multiple Downscaled Microwave Soil Moisture Products over the Central Tibetan Plateau. Remote Sensing, 2017, 9, 402.	4.0	21
15	Assessment of the impact of spatial heterogeneity on microwave satellite soil moisture periodic error. Remote Sensing of Environment, 2018, 205, 85-99.	11.0	21
16	Soil Moistureâ€“Evapotranspiration Overcoupling and L-Band Brightness Temperature Assimilation: Sources and Forecast Implications. Journal of Hydrometeorology, 2020, 21, 2359-2374.	1.9	21
17	A Quasi-Global Approach to Improve Day-Time Satellite Surface Soil Moisture Anomalies through the Land Surface Temperature Input. Climate, 2016, 4, 50.	2.8	17
18	Extending the SMAP 9-km soil moisture product using a spatio-temporal fusion model. Remote Sensing of Environment, 2019, 231, 111224.	11.0	13

#	Article	IF	Citations
19	Application of the vineyard data assimilation (VIDA) system to vineyard root-zone soil moisture monitoring in the California Central Valley. Irrigation Science, 0, , 1.	2.8	6
20	Quasi-Global GNSS-R Soil Moisture Retrievals at High Spatio-Temporal Resolution from Cygnss and Smap Data. , 2021, , .		3
21	Machine-Learning Based Retrieval of Soil Moisture at High Spatio-Temporal Scales Using CYGNSS and SMAP Observations. , 2020, , .		2
22	Spatial and Temporal Interpolation of CYGNSS Soil Moisture Estimations. , 2021, , .		1
23	Machine learning-based global soil moisture estimation using GNSS-R. , 2022, , .		1