

Fan Chen

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

2,318
citations

516710

16
h-index

839539

18
g-index

21
all docs

21
docs citations

21
times ranked

2317
citing authors

#	ARTICLE	IF	CITATIONS
1	A parameterization of snowpack and frozen ground intended for NCEP weather and climate models. <i>Journal of Geophysical Research</i> , 1999, 104, 19569-19585.	3.3	479
2	Assessment of the SMAP Passive Soil Moisture Product. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 4994-5007.	6.3	460
3	Development and assessment of the SMAP enhanced passive soil moisture product. <i>Remote Sensing of Environment</i> , 2018, 204, 931-941.	11.0	297
4	The SMAP and Copernicus Sentinel 1A/B microwave active-passive high resolution surface soil moisture product. <i>Remote Sensing of Environment</i> , 2019, 233, 111380.	11.0	175
5	Improving hydrologic predictions of a catchment model via assimilation of surface soil moisture. <i>Advances in Water Resources</i> , 2011, 34, 526-536.	3.8	157
6	Global-scale evaluation of SMAP, SMOS and ASCAT soil moisture products using triple collocation. <i>Remote Sensing of Environment</i> , 2018, 214, 1-13.	11.0	157
7	Application of Triple Collocation in Ground-Based Validation of Soil Moisture Active/Passive (SMAP) Level 2 Data Products. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017, 10, 489-502.	4.9	115
8	L band microwave remote sensing and land data assimilation improve the representation of prestorm soil moisture conditions for hydrologic forecasting. <i>Geophysical Research Letters</i> , 2017, 44, 5495-5503.	4.0	76
9	Improved SMAP Dual-Channel Algorithm for the Retrieval of Soil Moisture. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 3894-3905.	6.3	62
10	Validation of Soil Moisture Data Products From the NASA SMAP Mission. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2022, 15, 364-392.	4.9	62
11	The SMAP mission combined active-passive soil moisture product at 9° and 3° spatial resolutions. <i>Remote Sensing of Environment</i> , 2018, 211, 204-217.	11.0	59
12	Exploiting Soil Moisture, Precipitation, and Streamflow Observations to Evaluate Soil Moisture/Runoff Coupling in Land Surface Models. <i>Geophysical Research Letters</i> , 2018, 45, 4869-4878.	4.0	56
13	Dual Forcing and State Correction via Soil Moisture Assimilation for Improved Rainfall-Runoff Modeling. <i>Journal of Hydrometeorology</i> , 2014, 15, 1832-1848.	1.9	55
14	The Efficiency of Data Assimilation. <i>Water Resources Research</i> , 2018, 54, 6374-6392.	4.2	27
15	Diagnosing Bias in Modeled Soil Moisture/Runoff Coefficient Correlation Using the SMAP Level 4 Soil Moisture Product. <i>Water Resources Research</i> , 2019, 55, 7010-7026.	4.2	25
16	Uncertainty of Reference Pixel Soil Moisture Averages Sampled at SMAP Core Validation Sites. <i>Journal of Hydrometeorology</i> , 2019, 20, 1553-1569.	1.9	24
17	Regularized Dual-Channel Algorithm for the Retrieval of Soil Moisture and Vegetation Optical Depth From SMAP Measurements. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2022, 15, 102-114.	4.9	13
18	Improving Brightness Temperature Measurements Near Coastal Areas for SMAP. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019, 12, 4578-4588.	4.9	9

#	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	Evaluating different metrics from the thermal-based two-source energy balance model for monitoring grapevine water stress. Irrigation Science, 0, , .	2.8	4
21	Implementation and Analysis of the Dual-Channel Algorithm for the Retrieval of Soil Moisture and Vegetation Optical Depth for SMAP. , 2021, , .		0