

Mark Seyfried

List of Publications by Year in descending order

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21
papers

2,616
citations

567281

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h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

2442
citing authors

#	ARTICLE	IF	CITATIONS
1	Validation of Advanced Microwave Scanning Radiometer Soil Moisture Products. IEEE Transactions on Geoscience and Remote Sensing, 2010, 48, 4256-4272.	6.3	489
2	Assessment of the SMAP Passive Soil Moisture Product. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 4994-5007.	6.3	460
3	Validation of Soil Moisture and Ocean Salinity (SMOS) Soil Moisture Over Watershed Networks in the U.S.. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 1530-1543.	6.3	313
4	Development and assessment of the SMAP enhanced passive soil moisture product. Remote Sensing of Environment, 2018, 204, 931-941.	11.0	297
5	Soil moisture states, lateral flow, and streamflow generation in a semi-arid, snowmelt-driven catchment. Hydrological Processes, 2005, 19, 4023-4038.	2.6	254
6	Assessment of the SMAP Level-4 Surface and Root-Zone Soil Moisture Product Using In Situ Measurements. Journal of Hydrometeorology, 2017, 18, 2621-2645.	1.9	196
7	Storage as a Metric of Catchment Comparison. Hydrological Processes, 2011, 25, 3364-3371.	2.6	142
8	Spatial variation and temporal stability of soil water in a snow-dominated, mountain catchment. Hydrological Processes, 2004, 18, 3493-3511.	2.6	83
9	Comparison of microwave remote sensing and land surface modeling for surface soil moisture climatology estimation. Remote Sensing of Environment, 2020, 242, 111756.	11.0	73
10	Global scale error assessments of soil moisture estimates from microwave-based active and passive satellites and land surface models over forest and mixed irrigated/dryland agriculture regions. Remote Sensing of Environment, 2020, 251, 112052.	11.0	63
11	Improved SMAP Dual-Channel Algorithm for the Retrieval of Soil Moisture. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 3894-3905.	6.3	62
12	Validation of Soil Moisture Data Products From the NASA SMAP Mission. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 364-392.	4.9	62
13	Signatures of Hydrologic Function Across the Critical Zone Observatory Network. Water Resources Research, 2021, 57, e2019WR026635.	4.2	31
14	Reynolds Creek Experimental Watershed and Critical Zone Observatory. Vadose Zone Journal, 2018, 17, 1-20.	2.2	29
15	Evaluation of SMAP Freeze/Thaw Retrieval Accuracy at Core Validation Sites in the Contiguous United States. Remote Sensing, 2018, 10, 1483.	4.0	15
16	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
17	Form and function relationships revealed by long-term research in a semiarid mountain catchment. Wiley Interdisciplinary Reviews: Water, 2018, 5, e1267.	6.5	11
18	Assessing the Impact of Soil Layer Depth Specification on the Observability of Modeled Soil Moisture and Brightness Temperature. Journal of Hydrometeorology, 2020, 21, 2041-2060.	1.9	9

#	ARTICLE	IF	CITATIONS
19	Understanding temporal stability: a long-term analysis of USDA ARS watersheds. International Journal of Digital Earth, 2021, 14, 1243-1254.	3.9	6
20	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
21	Strategies for validating satellite soil moisture products using in situ networks: Lessons from the USDA-ARS watersheds., 2017, , .		3