Mark Seyfried

List of Publications by Year
in descending order

21 papers	2,616 citations	567281 15 h-index	752698 20 g-index
21 all docs	21 docs citations	21 times ranked	2442 citing authors

#	Article	IF	Citations
1	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
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	Signatures of Hydrologic Function Across the Critical Zone Observatory Network. Water Resources Research, 2021, 57, e2019WR026635.	4.2	31
4	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
5	Understanding temporal stability: a long-term analysis of USDA ARS watersheds. International Journal of Digital Earth, 2021, 14, 1243-1254.	3.9	6
6	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
7	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
8	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
9	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
10	Form and function relationships revealed by longâ€term research in a semiarid mountain catchment. Wiley Interdisciplinary Reviews: Water, 2018, 5, e1267.	6.5	11
11	Development and assessment of the SMAP enhanced passive soil moisture product. Remote Sensing of Environment, 2018, 204, 931-941.	11.0	297
12	Reynolds Creek Experimental Watershed and Critical Zone Observatory. Vadose Zone Journal, 2018, 17, 1-20.	2.2	29
13	Evaluation of SMAP Freeze/Thaw Retrieval Accuracy at Core Validation Sites in the Contiguous United States. Remote Sensing, 2018, 10, 1483.	4.0	15
14	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
15	Strategies for validating satellite soil moisture products using in situ networks: Lessons from the USDA-ARS watersheds. , 2017, , .		3
16	Assessment of the SMAP Passive Soil Moisture Product. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 4994-5007.	6.3	460
17	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
18	Storage as a Metric of Catchment Comparison. Hydrological Processes, 2011, 25, 3364-3371.	2.6	142

#	Article	IF	Citations
19	Validation of Advanced Microwave Scanning Radiometer Soil Moisture Products. IEEE Transactions on Geoscience and Remote Sensing, 2010, 48, 4256-4272.	6.3	489
20	Soil moisture states, lateral flow, and streamflow generation in a semi-arid, snowmelt-driven catchment. Hydrological Processes, 2005, 19, 4023-4038.	2.6	254
21	Spatial variation and temporal stability of soil water in a snow-dominated, mountain catchment. Hydrological Processes, 2004, 18, 3493-3511.	2.6	83