Morteza Sadeghi

List of Publications by Year
in descending order

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33	1,419	471509	395702
papers	citations	17 h-index	33 g-index

35	35	35	1548
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Estimating soil water flux from single-depth soil moisture data. Journal of Hydrology, 2022, 610, 127999.	5.4	3
2	The feasibility of shortwave infrared imaging and inverse numerical modeling for rapid estimation of soil hydraulic properties. Vadose Zone Journal, 2021, 20, e20089.	2.2	3
3	Information depth of NIR/SWIR soil reflectance spectroscopy. Remote Sensing of Environment, 2021, 256, 112315.	11.0	18
4	Towards new soil water flow equations using physicsâ€constrained machine learning. Vadose Zone Journal, 2021, 20, e20136.	2.2	5
5	Reappraisal of SMAP inversion algorithms for soil moisture and vegetation optical depth. Remote Sensing of Environment, 2021, 264, 112627.	11.0	20
6	Global Estimates of Land Surface Water Fluxes from SMOS and SMAP Satellite Soil Moisture Data. Journal of Hydrometeorology, 2020, 21, 241-253.	1.9	27
7	A temporal polarization ratio algorithm for calibration-free retrieval of soil moisture at L-band. Remote Sensing of Environment, 2020, 249, 112019.	11.0	10
8	A new mathematical formulation for remote sensing of soil moisture based on the Red-NIR space. International Journal of Remote Sensing, 2020, 41, 8034-8047.	2.9	5
9	Retrieving global surface soil moisture from GRACE satellite gravity data. Journal of Hydrology, 2020, 584, 124717.	5.4	24
10	Microwave retrievals of soil moisture and vegetation optical depth with improved resolution using a combined constrained inversion algorithm: Application for SMAP satellite. Remote Sensing of Environment, 2020, 239, 111662.	11.0	34
11	A Spatially Constrained Multichannel Algorithm for Inversion of a First-Order Microwave Emission Model at L-Band. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 8134-8146.	6.3	9
12	Stone Content Influence on Land Surface Model Simulation of Soil Moisture and Evapotranspiration at Reynolds Creek Watershed. Journal of Hydrometeorology, 2020, 21, 1889-1904.	1.9	4
13	Ground, Proximal, and Satellite Remote Sensing of Soil Moisture. Reviews of Geophysics, 2019, 57, 530-616.	23.0	307
14	A New Optical Remote Sensing Technique for High-Resolution Mapping of Soil Moisture. Frontiers in Big Data, 2019, 2, 37.	2.9	26
15	An analytical model for estimation of land surface net water flux from near-surface soil moisture observations. Journal of Hydrology, 2019, 570, 26-37.	5.4	35
16	Mapping soil moisture with the OPtical TRApezoid Model (OPTRAM) based on long-term MODIS observations. Remote Sensing of Environment, 2018, 211, 425-440.	11.0	105
17	Particle size effects on soil reflectance explained by an analytical radiative transfer model. Remote Sensing of Environment, 2018, 210, 375-386.	11.0	37
18	Derivation of an Explicit Form of the Percolationâ€Based Effectiveâ€Medium Approximation for Thermal Conductivity of Partially Saturated Soils. Water Resources Research, 2018, 54, 1389-1399.	4.2	36

#	Article	IF	Citations
19	A statistical framework for estimating air temperature using <scp>MODIS</scp> land surface temperature data. International Journal of Climatology, 2017, 37, 1181-1194.	3.5	80
20	A TDR Array Probe for Monitoring Nearâ€Surface Soil Moisture Distribution. Vadose Zone Journal, 2017, 16, 1-8.	2.2	25
21	The optical trapezoid model: A novel approach to remote sensing of soil moisture applied to Sentinel-2 and Landsat-8 observations. Remote Sensing of Environment, 2017, 198, 52-68.	11.0	251
22	Hydraulic conductivity of stratified unsaturated soils: Effects of random variability and layering. Journal of Hydrology, 2017, 546, 81-89.	5.4	13
23	Advancing NASAâ€™s AirMOSS P-Band Radar Root Zone Soil Moisture Retrieval Algorithm via Incorporation of Richardsâ€™ Equation. Remote Sensing, 2017, 9, 17.	4.0	41
24	Highâ€Resolution Shortwave Infrared Imaging of Water Infiltration into Dry Soil. Vadose Zone Journal, 2017, 16, 1-10.	2.2	5
25	A statistical framework for estimating air temperature using MODIS land surface temperature data. International Journal of Climatology, 2017, 37, 1181-1194.	3.5	6
26	A critical evaluation of the Miller and Miller similar media theory for application to natural soils. Water Resources Research, 2016, 52, 3829-3846.	4.2	13
27	Reply to comments on â€œColumn-scale unsaturated hydraulic conductivity estimates in coarse-textured homogeneous and layered soils derived under steady-state evaporation from a water tableâ€•[J. Hydrol. 519 (2014), 1238â€“1248]. Journal of Hydrology, 2015, 529, 1277-1281.	5.4	5
28	A linear physically-based model for remote sensing of soil moisture using short wave infrared bands. Remote Sensing of Environment, 2015, 164, 66-76.	11.0	173
29	Comment on â€œA model for soil surface evaporation based on Campbellâ€™s retention curveâ€•by G. Zarei, M. Homaee, A.M. Liaghat, A.H. Hoorfar. Journal of Hydrology, 2015, 525, 486-488.	5.4	2
30	Column-scale unsaturated hydraulic conductivity estimates in coarse-textured homogeneous and layered soils derived under steady-state evaporation from a water table. Journal of Hydrology, 2014, 519, 1238-1248.	5.4	38
31	Scaled Solutions to Coupled Soilâ€Water Flow and Solute Transport during the Redistribution Process. Vadose Zone Journal, 2012, 11, vzj2012.0023.	2.2	9
32	A novel analytical solution to steadyâ€state evaporation from porous media. Water Resources Research, 2012, 48, .	4.2	34
33	Scaling to generalize a single solution of Richards' equation for soil water redistribution. Scientia Agricola, 2011, 68, 582-591.	1.2	12