

Mahyar Aboutalebi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

27
papers

250
citations

9
h-index

15
g-index

30
ext. papers

310
ext. citations

2.2
avg, IF

3.57
L-index

#	Paper	IF	Citations
27	Evapotranspiration partitioning assessment using a machine-learning-based leaf area index and the two-source energy balance model with sUAV information.. <i>Proceedings of SPIE</i> , 2021 , 11747,	1.7	1
26	Incorporation of Unmanned Aerial Vehicle (UAV) Point Cloud Products into Remote Sensing Evapotranspiration Models. <i>Remote Sensing</i> , 2020 , 12, 50	5	14
25	Estimation of Evapotranspiration and Energy Fluxes using a Deep-Learning based High-Resolution Emissivity Model and the Two-Source Energy Balance Model with sUAS information. <i>Proceedings of SPIE</i> , 2020 , 11414,	1.7	5
24	Terrain Analysis Enhancements to the Height Above Nearest Drainage Flood Inundation Mapping Method. <i>Water Resources Research</i> , 2019 , 55, 7983-8009	5.4	21
23	Estimation of surface thermal emissivity in a vineyard for UAV microbolometer thermal cameras using NASA HYTES hyperspectral thermal, Landsat and AggieAir optical data. <i>Proceedings of SPIE</i> , 2019 , 11008,	1.7	7
22	Validation of digital surface models (DSMs) retrieved from unmanned aerial vehicle (UAV) point clouds using geometrical information from shadows. <i>Proceedings of SPIE</i> , 2019 , 11008,	1.7	2
21	Estimation of soil moisture at different soil levels using machine learning techniques and unmanned aerial vehicle (UAV) multispectral imagery 2019 ,		13
20	The impact of shadows on partitioning of radiometric temperature to canopy and soil temperature based on the contextual two-source energy balance model (TSEB-2T). <i>Proceedings of SPIE</i> , 2019 , 11008,	1.7	1
19	Assessment of different methods for shadow detection in high-resolution optical imagery and evaluation of shadow impact on calculation of NDVI, and evapotranspiration. <i>Irrigation Science</i> , 2018 , 1, 1-23	3.1	23
18	Behavior of vegetation/soil indices in shaded and sunlit pixels and evaluation of different shadow compensation methods using UAV high-resolution imagery over vineyards. <i>Proceedings of SPIE</i> , 2018 , 10664,	1.7	3
17	Multispectral remote sensing for yield estimation using high-resolution imagery from an unmanned aerial vehicle 2018 ,		2
16	Implications of sensor inconsistencies and remote sensing error in the use of small unmanned aerial systems for generation of information products for agricultural management. <i>Proceedings of SPIE</i> , 2018 , 10664,	1.7	4
15	Choosing an Optimization Method for Water Resources Problems Based on the Features of Their Solution Spaces. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2018 , 144, 04017061	1.1	2
14	Spatial and Temporal Analysis of Precipitation and Effective Rainfall Using Gauge Observations, Satellite, and Gridded Climate Data for Agricultural Water Management in the Upper Colorado River Basin. <i>Remote Sensing</i> , 2018 , 10, 2058	5	3
13	Real-time reservoir operation using data mining techniques. <i>Environmental Monitoring and Assessment</i> , 2018 , 190, 594	3.1	17
12	Discussion of Equation to Predict Riverine Transport of Suddenly Discharged Pollutants by Mostafa Farhadian, Omid Bozorg-Haddad, Samaneh Seifollahi-Aghmiuini, and Hugo A. Loitiga. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2018 , 144, 07018010	1.1	1
11	Closure to Simulation of Methyl Tertiary Butyl Ether Concentrations in River-Reservoir Systems Using Support Vector Regression by Mahyar Aboutalebi, Omid Bozorg-Haddad, and Hugo A. Loitiga. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2017 , 143, 07017004	1.1	

10	Multiobjective Design of Water-Quality Monitoring Networks in River-Reservoir Systems. <i>Journal of Environmental Engineering, ASCE</i> , 2017 , 143, 04016070	2	14
9	Application of the SVR-NSGAI to Hydrograph Routing in Open Channels. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016 , 142, 04015061	1.1	14
8	Simulation of Methyl Tertiary Butyl Ether Concentrations in River-Reservoir Systems Using Support Vector Regression. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016 , 142, 04016015	1.1	14
7	Discussion of Application of the Water Cycle Algorithm to the Optimal Operation of Reservoir Systems by Omid Bozorg Haddad, Mojtaba Moravej, and Hugo A. Loziga. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2015 , 141, 07015029	1.1	7
6	Optimal Monthly Reservoir Operation Rules for Hydropower Generation Derived with SVR-NSGAI. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2015 , 141, 04015029	2.8	66
5	Discussion of Investigating parameters of two-point hedging policy for operating a storage reservoir by Sharad K. Jain (2014). <i>ISH Journal of Hydraulic Engineering</i> , 2015 , 21, 312-314	1.5	3
4	Discussion of Hydroclimatic stream flow prediction using least square-support vector regression by <i>ISH Journal of Hydraulic Engineering</i> , 2014 , 20, 274-275	1.5	7
3	Discussion of Prediction of Missing Rainfall Data Using Conventional and Artificial Neural Network Techniques, by U.C. Roman, P.L. Patel, and P.D. Porey, <i>Journal of Hydraulic Engineering</i> , September 2012, Vol. 18, No. 3, pp. 224-231.. <i>ISH Journal of Hydraulic Engineering</i> , 2013 , 19, 76-77	1.5	3
2	Influence of modeling domain and meteorological forcing data on daily evapotranspiration estimates from a Shuttleworth-Wallace model using Sentinel-2 surface reflectance data. <i>Irrigation Science</i> , 1	3.1	0
1	LAI estimation across California vineyards using sUAS multi-seasonal multi-spectral, thermal, and elevation information and machine learning. <i>Irrigation Science</i> , 1	3.1	2