

Mahyar Aboutalebi

List of Publications by Citations

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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 | 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 |
| 26 | 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 |
| 25 | 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 |
| 24 | Real-time reservoir operation using data mining techniques. <i>Environmental Monitoring and Assessment</i> , 2018 , 190, 594 | 3.1 | 17 |
| 23 | Incorporation of Unmanned Aerial Vehicle (UAV) Point Cloud Products into Remote Sensing Evapotranspiration Models. <i>Remote Sensing</i> , 2020 , 12, 50 | 5 | 14 |
| 22 | 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 |
| 21 | 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 |
| 20 | Multiobjective Design of Water-Quality Monitoring Networks in River-Reservoir Systems. <i>Journal of Environmental Engineering, ASCE</i> , 2017 , 143, 04016070 | 2 | 14 |
| 19 | Estimation of soil moisture at different soil levels using machine learning techniques and unmanned aerial vehicle (UAV) multispectral imagery 2019 , | | 13 |
| 18 | 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 |
| 17 | Discussion of Hydroclimatic stream flow prediction using least square-support vector regression. <i>ISH Journal of Hydraulic Engineering</i> , 2014 , 20, 274-275 | 1.5 | 7 |
| 16 | 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 |
| 15 | 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 |
| 14 | 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 |
| 13 | 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 |
| 12 | 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 |
| 11 | 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 |

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| 10 | 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 |
| 9 | Multispectral remote sensing for yield estimation using high-resolution imagery from an unmanned aerial vehicle 2018 , | | 2 |
| 8 | 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 |
| 7 | 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 |
| 6 | 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 |
| 5 | 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 |
| 4 | 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 |
| 3 | Discussion of Equation to Predict Riverine Transport of Suddenly Discharged Pollutants by Mostafa Farhadian, Omid Bozorg-Haddad, Samaneh Seifollahi-Aghmiuini, and Hugo A. Loziga. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2018 , 144, 07018010 | 1.1 | 1 |
| 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 | 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. Loziga. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2017 , 143, 07017004 | 1.1 | |