

Mojtaba Shourian

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.

31
papers

395
citations

11
h-index

19
g-index

33
ext. papers

525
ext. citations

3.3
avg, IF

4.49
L-index

#	Paper	IF	Citations
31	Assessment of the climate change impacts on the watershed-scale optimal crop pattern using a surface-groundwater interaction hydro-agronomic model. <i>Agricultural Water Management</i> , 2022 , 265, 107508	5.9	2
30	Hedging rule-based optimized reservoir operation using metaheuristic algorithms. <i>E3S Web of Conferences</i> , 2022 , 346, 02011	0.5	0
29	Optimal Design and Operation of a Hydropower Reservoir Plant Using a WEAP-Based Simulation Optimization Approach. <i>Water Resources Management</i> , 2021 , 35, 1637-1652	3.7	1
28	Crop pattern planning and irrigation water allocation compatible with climate change using a coupled network flow programming-heuristic optimization model. <i>Hydrological Sciences Journal</i> , 2021 , 66, 90-103	3.5	4
27	Comparative Application of Model Predictive Control and Particle Swarm Optimization in Optimum Operation of a Large-Scale Water Transfer System. <i>Water Resources Management</i> , 2021 , 35, 707-727	3.7	4
26	Maximizing crops yield net benefit in a groundwater-irrigated plain constrained to aquifer stable depletion using a coupled PSO-SWAT-MODFLOW hydro-agronomic model. <i>Journal of Cleaner Production</i> , 2020 , 262, 121349	10.3	11
25	River Flow Prediction Using Dynamic Method for Selecting and Prioritizing K-Nearest Neighbors Based on Data Features. <i>Journal of Hydrologic Engineering - ASCE</i> , 2020 , 25, 04020010	1.8	7
24	Simulation of the depth scouring downstream sluice gate: The validation of newly developed data-intelligent models. <i>Journal of Hydro-Environment Research</i> , 2020 , 29, 20-30	2.3	26
23	Optimum design and operation of a hydropower reservoir considering uncertainty of inflow. <i>Journal of Hydroinformatics</i> , 2020 , 22, 1452-1467	2.6	1
22	Simulating monthly streamflow using a hybrid feature selection approach integrated with an intelligence model. <i>Hydrological Sciences Journal</i> , 2020 , 65, 1374-1384	3.5	3
21	A Comparative Study of MLR, KNN, ANN and ANFIS Models with Wavelet Transform in Monthly Stream Flow Prediction. <i>Water Resources Management</i> , 2019 , 33, 2907-2923	3.7	41
20	Determination of the Optimal River Basin-Wide Agricultural Water Demand Quantities Meeting Satisfactory Reliability Levels. <i>Water Resources Management</i> , 2019 , 33, 2665-2676	3.7	4
19	A simulation optimization approach for optimal design of groundwater withdrawal wells location and pumping rate considering desalination constraints. <i>Environmental Earth Sciences</i> , 2019 , 78, 1	2.9	6
18	Hedging Rules-Based Optimal Reservoir Operation Using Bat Algorithm. <i>Water Resources Management</i> , 2019 , 33, 4525-4538	3.7	6
17	Optimum Design and Operation of a Reservoir and Irrigation Network Considering Uncertainty of Hydrologic, Agronomic and Economic Factors. <i>Water Resources Management</i> , 2019 , 33, 863-879	3.7	4
16	Determining optimum reliability for supplying agricultural demand downstream of a reservoir using an explicit method with an economic objective function. <i>Water Resources and Economics</i> , 2019 , 26, 100131	2.1	3
15	Optimum stable channel geometry design using imperialist competitive algorithm. <i>Environmental Earth Sciences</i> , 2018 , 77, 1	2.9	1

14	Optimal Reservoir Operation with Water Supply Enhancement and Flood Mitigation Objectives Using an Optimization-Simulation Approach. <i>Water Resources Management</i> , 2018 , 32, 4393-4407	3.7	8
13	A Demand Management Based Crop and Irrigation Planning Using the Simulation-Optimization Approach. <i>Water Resources Management</i> , 2018 , 32, 67-81	3.7	17
12	Performance Assessment of the Linear, Nonlinear and Nonparametric Data Driven Models in River Flow Forecasting. <i>Water Resources Management</i> , 2018 , 32, 383-399	3.7	43
11	Optimum Pumping Well Placement and Capacity Design for a Groundwater Lowering System in Urban Areas with the Minimum Cost Objective. <i>Water Resources Management</i> , 2017 , 31, 4207-4225	3.7	7
10	An Ultimatum Game Theory Based Approach for Basin Scale Water Allocation Conflict Resolution. <i>Water Resources Management</i> , 2017 , 31, 4293-4308	3.7	8
9	Performance Assessment of a Coupled Particle Swarm Optimization and Network Flow Programming Model for Optimum Water Allocation. <i>Water Resources Management</i> , 2017 , 31, 4835-4853	3.7	8
8	Interbasin Water Transfer Capacity Design by Two Approaches of Simulation-Optimization and Multicriteria Decision Making. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2017 , 143, 04017054	2.8	13
7	Optimum Multicrop-Pattern Planning by Coupling SWAT and the Harmony Search Algorithm. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016 , 142, 04016063	1.1	11
6	Modeling of eutrophication and strategies for improvement of water quality in reservoirs. <i>Water Science and Technology</i> , 2016 , 74, 1376-1385	2.2	11
5	Evaluation of the Bankruptcy Approach for Water Resources Allocation Conflict Resolution at Basin Scale, Iran's Lake Urmia Experience. <i>Water Resources Management</i> , 2016 , 30, 3519-3533	3.7	13
4	Determination of the optimal capacity of a reservoir considering the effects of flood control volume change on its performance (case study: Darband dam, Iran). <i>Water Practice and Technology</i> , 2014 , 9, 509-518	0.9	
3	Capacity optimization of hydropower storage projects using particle swarm optimization algorithm. <i>Journal of Hydroinformatics</i> , 2010 , 12, 275-291	2.6	27
2	Neural-network-based simulation-optimization model for water allocation planning at basin scale. <i>Journal of Hydroinformatics</i> , 2008 , 10, 331-343	2.6	26
1	Basin-wide Water Resources Planning by Integrating PSO Algorithm and MODSIM. <i>Water Resources Management</i> , 2008 , 22, 1347-1366	3.7	79