Mojtaba Shourian

List of Publications by Year
in descending order

31 papers	657 citations	623188 14 h-index	580395 25 g-index
33 all docs	33 docs citations	33 times ranked	604 citing authors

#	Article	IF	Citations
1	A Comparative Study of MLR, KNN, ANN and ANFIS Models with Wavelet Transform in Monthly Stream Flow Prediction. Water Resources Management, 2019, 33, 2907-2923.	1.9	97
2	Basin-wide Water Resources Planning by Integrating PSO Algorithm and MODSIM. Water Resources Management, 2008, 22, 1347-1366.	1.9	94
3	Performance Assessment of the Linear, Nonlinear and Nonparametric Data Driven Models in River Flow Forecasting. Water Resources Management, 2018, 32, 383-399.	1.9	62
4	Simulation of the depth scouring downstream sluice gate: The validation of newly developed data-intelligent models. Journal of Hydro-Environment Research, 2020, 29, 20-30.	1.0	42
5	Capacity optimization of hydropower storage projects using particle swarm optimization algorithm. Journal of Hydroinformatics, 2010, 12, 275-291.	1.1	35
6	Neural-network-based simulation-optimization model for water allocation planning at basin scale. Journal of Hydroinformatics, 2008, 10, 331-343.	1.1	33
7	Maximizing crops yield net benefit in a groundwater-irrigated plain constrained to aquifer stable depletion using a coupled PSO-SWAT-MODFLOW hydro-agronomic model. Journal of Cleaner Production, 2020, 262, 121349.	4.6	25
8	A Demand Management Based Crop and Irrigation Planning Using the Simulation-Optimization Approach. Water Resources Management, 2018, 32, 67-81.	1.9	22
9	Assessment of the climate change impacts on the watershed-scale optimal crop pattern using a surface-groundwater interaction hydro-agronomic model. Agricultural Water Management, 2022, 265, 107508.	2.4	20
10	Evaluation of the Bankruptcy Approach for Water Resources Allocation Conflict Resolution at Basin Scale, Iran's Lake Urmia Experience. Water Resources Management, 2016, 30, 3519-3533.	1.9	16
11	Interbasin Water Transfer Capacity Design by Two Approaches of Simulation-Optimization and Multicriteria Decision Making. Journal of Water Resources Planning and Management - ASCE, 2017, 143, .	1.3	16
12	Crop pattern planning and irrigation water allocation compatible with climate change using a coupled network flow programming-heuristic optimization model. Hydrological Sciences Journal, 2021, 66, 90-103.	1.2	16
13	Optimal Design and Operation of a Hydropower Reservoir Plant Using a WEAP-Based Simulation–Optimization Approach. Water Resources Management, 2021, 35, 1637-1652.	1.9	16
14	Modeling of eutrophication and strategies for improvement of water quality in reservoirs. Water Science and Technology, 2016, 74, 1376-1385.	1.2	15
15	Optimal Reservoir Operation with Water Supply Enhancement and Flood Mitigation Objectives Using an Optimization-Simulation Approach. Water Resources Management, 2018, 32, 4393-4407.	1.9	15
16	Hedging Rules-Based Optimal Reservoir Operation Using Bat Algorithm. Water Resources Management, 2019, 33, 4525-4538.	1.9	14
17	Optimum Multicrop-Pattern Planning by Coupling SWAT and the Harmony Search Algorithm. Journal of Irrigation and Drainage Engineering - ASCE, 2016, 142, 04016063.	0.6	13
18	Performance Assessment of a Coupled Particle Swarm Optimization and Network Flow Programming Model for Optimum Water Allocation. Water Resources Management, 2017, 31, 4835-4853.	1.9	13

#	Article	IF	Citations
19	Simulating monthly streamflow using a hybrid feature selection approach integrated with an intelligence model. Hydrological Sciences Journal, 2020, 65, 1374-1384.	1.2	13
20	River Flow Prediction Using Dynamic Method for Selecting and Prioritizing K-Nearest Neighbors Based on Data Features. Journal of Hydrologic Engineering - ASCE, 2020, 25, .	0.8	12
21	Optimum Pumping Well Placement and Capacity Design for a Groundwater Lowering System in Urban Areas with the Minimum Cost Objective. Water Resources Management, 2017, 31, 4207-4225.	1.9	11
22	An Ultimatum Game Theory Based Approach for Basin Scale Water Allocation Conflict Resolution. Water Resources Management, 2017, 31, 4293-4308.	1.9	10
23	Determination of the Optimal River Basin-Wide Agricultural Water Demand Quantities Meeting Satisfactory Reliability Levels. Water Resources Management, 2019, 33, 2665-2676.	1.9	10
24	A simulation–optimization approach for optimal design of groundwater withdrawal wells' location and pumping rate considering desalination constraints. Environmental Earth Sciences, 2019, 78, 1.	1.3	10
25	Comparative Application of Model Predictive Control and Particle Swarm Optimization in Optimum Operation of a Large-Scale Water Transfer System. Water Resources Management, 2021, 35, 707-727.	1.9	10
26	Optimum Design and Operation of a Reservoir and Irrigation Network Considering Uncertainty of Hydrologic, Agronomic and Economic Factors. Water Resources Management, 2019, 33, 863-879.	1.9	8
27	Determining optimum reliability for supplying agricultural demand downstream of a reservoir using an explicit method with an economic objective function. Water Resources and Economics, 2019, 26, 100131.	0.9	4
28	Optimum design and operation of a hydropower reservoir considering uncertainty of inflow. Journal of Hydroinformatics, 2020, 22, 1452-1467.	1.1	2
29	Optimum stable channel geometry design using imperialist competitive algorithm. Environmental Earth Sciences, 2018, 77, 1.	1.3	1
30	Hedging rule-based optimized reservoir operation using metaheuristic algorithms. E3S Web of Conferences, 2022, 346, 02011.	0.2	1
31	Determination of the optimal capacity of a reservoir considering the effects of flood control volume change on its performance (case study: Darband dam, Iran). Water Practice and Technology, 2014, 9, 509-518.	1.0	0