

Hamid Reza Safavi

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.

53
papers

773
citations

16
h-index

26
g-index

54
ext. papers

973
ext. citations

3.1
avg, IF

4.85
L-index

#	Paper	IF	Citations
53	Sustainable Conjunctive Water Use Modeling Using Dual Fitness Particle Swarm Optimization Algorithm. <i>Water Resources Management</i> , 2022 , 36, 989	3.7	3
52	An Enhanced Grey Wolf Optimizer with a Velocity-Aided Global Search Mechanism. <i>Mathematics</i> , 2022 , 10, 351	2.3	5
51	Maximizing Sustainability in Reservoir Operation under Climate Change Using a Novel Adaptive Accelerated Gravitational Search Algorithm. <i>Water (Switzerland)</i> , 2022 , 14, 905	3	0
50	An improved MOPSO algorithm for multi-objective optimization of reservoir operation under climate change.. <i>Environmental Monitoring and Assessment</i> , 2022 , 194, 261	3.1	0
49	Forensic engineering analysis applied to flood control. <i>Journal of Hydrology</i> , 2021 , 594, 125961	6	2
48	Integrated Simulation-Optimization Framework for Water Allocation Based on Sustainability of Surface Water and Groundwater Resources. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2021 , 147, 05021001	2.8	12
47	Assessment of the optimized scenarios for economic-environmental conjunctive water use utilizing gravitational search algorithm. <i>Agricultural Water Management</i> , 2021 , 246, 106688	5.9	3
46	Development of System Dynamics for Holistic Conceptualization of Water Resources Problems Using Grounded Theory: A Case Study of the Zayandehrud River Basin. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2021 , 45, 413-428	1.1	
45	Trend analysis of hydrological and water quality variables to detect anthropogenic effects and climate variability on a river basin scale: A case study of Iran. <i>Journal of Hydro-Environment Research</i> , 2021 , 34, 11-23	2.3	5
44	Assessment of the management scenarios for groundwater quality remediation of a nitrate-contaminated aquifer. <i>Environmental Monitoring and Assessment</i> , 2021 , 193, 190	3.1	0
43	Multi-objective optimization for optimal extraction of groundwater from a nitrate-contaminated aquifer considering economic-environmental issues: A case study. <i>Journal of Contaminant Hydrology</i> , 2021 , 241, 103806	3.9	3
42	Application of meteorological drought for assessing watershed health using fuzzy-based reliability, resilience, and vulnerability. <i>International Journal of Disaster Risk Reduction</i> , 2021 , 66, 102616	4.5	1
41	Fusion-based framework for meteorological drought modeling using remotely sensed datasets under climate change scenarios: Resilience, vulnerability, and frequency analysis. <i>Journal of Environmental Management</i> , 2021 , 297, 113283	7.9	2
40	Improving Performance Criteria in the Water Resource Systems Based on Fuzzy Approach. <i>Water Resources Management</i> , 2021 , 35, 593-611	3.7	3
39	f-MOPSO/Div: an improved extreme-point-based multi-objective PSO algorithm applied to a socio-economic-environmental conjunctive water use problem. <i>Environmental Monitoring and Assessment</i> , 2020 , 192, 767	3.1	4
38	Simulating the interactions between the water and the socio-economic system in a stressed endorheic basin. <i>Hydrological Sciences Journal</i> , 2020 , 65, 2159-2174	3.5	3
37	Resolving water allocation conflicts using WEAP simulation model and non-cooperative game theory. <i>Simulation</i> , 2020 , 96, 17-30	1.2	3

36	GuASPSO: a new approach to hold a better exploration-exploitation balance in PSO algorithm. <i>Soft Computing</i> , 2020 , 24, 4855-4875	3.5	11
35	Relationship of Drought and Engineered Water Supply: Multivariate Index for Quantifying Sustained Water Stress in Anthropogenically Affected Subbasins. <i>Journal of Hydrologic Engineering - ASCE</i> , 2019 , 24, 04019013	1.8	1
34	Multi-Objective Planning for Conjunctive Use of Surface and Ground Water Resources Using Genetic Programming. <i>Water Resources Management</i> , 2019 , 33, 2123-2137	3.7	26
33	Risk assessment of an industrial wastewater treatment and reclamation plant using the bow-tie method. <i>Environmental Monitoring and Assessment</i> , 2019 , 192, 33	3.1	7
32	A dynamic model of water resources management using the scenario analysis technique in downstream of the Zayandehroud basin. <i>International Journal of River Basin Management</i> , 2019 , 17, 451-463	1.7	6
31	Integrated Stormwater and Groundwater Management in Urban Areas, a Case Study. <i>International Journal of Civil Engineering</i> , 2019 , 17, 1281-1294	1.9	1
30	A new hybrid drought-monitoring framework based on nonparametric standardized indicators 2018 , 49, 222-236		5
29	Wavelet and cuckoo search-support vector machine conjugation for drought forecasting using Standardized Precipitation Index (case study: Urmia Lake, Iran). <i>Journal of Hydroinformatics</i> , 2018 , 20, 975-988	2.6	19
28	Optimization of sewer networks using the mixed-integer linear programming. <i>Urban Water Journal</i> , 2017 , 14, 452-459	2.3	9
27	A Hybrid Fuzzy-Based Multi-Objective PSO Algorithm for Conjunctive Water Use and Optimal Multi-Crop Pattern Planning. <i>Water Resources Management</i> , 2017 , 31, 1139-1155	3.7	24
26	Closure to Conjunctive Management of Surface and Ground Water Resources Using Conflict Resolution Approach by Hamid R. Safavi, Milad Mehrparvar, and Ferenc Szidarovszky. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2017 , 143, 07017002	1.1	
25	A New Approach for Parameter Estimation of Autoregressive Models Using Adaptive Network-Based Fuzzy Inference System (ANFIS). <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2017 , 41, 317-327	1.1	4
24	SOM-DRASTIC: using self-organizing map for evaluating groundwater potential to pollution. <i>Stochastic Environmental Research and Risk Assessment</i> , 2017 , 31, 1941-1956	3.5	13
23	Assessment of climate change impacts on climate variables using probabilistic ensemble modeling and trend analysis. <i>Theoretical and Applied Climatology</i> , 2017 , 130, 635-653	3	6
22	Conjunctive Use of Surface Water and Groundwater Resources under Deficit Irrigation. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2017 , 143, 05016012	1.1	10
21	f-MOPSO: An alternative multi-objective PSO algorithm for conjunctive water use management. <i>Journal of Hydro-Environment Research</i> , 2017 , 14, 1-18	2.3	44
20	Climate Change Impacts on Some Hydrological Variables in the Zayandeh-Rud River Basin, Iran 2017 , 201-217		6
19	Scenario analysis for integrated water resources planning and management under uncertainty in the Zayandehrud river basin. <i>Journal of Hydrology</i> , 2016 , 539, 625-639	6	30

18	Social resolution of conflicts over water resources allocation in a river basin using cooperative game theory approaches: a case study. <i>International Journal of River Basin Management</i> , 2016 , 14, 33-45	1.7	17
17	Conjunctive Management of Surface and Ground Water Resources Using Conflict Resolution Approach. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016 , 142, 05016001	1.1	10
16	Evaluation of the Effects of Climate Change on Groundwater Recharge Using a Hybrid Method. <i>Water Resources Management</i> , 2016 , 30, 133-148	3.7	22
15	Development of a New Drought Index for Groundwater and Its Application in Sustainable Groundwater Extraction. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2016 , 142, 04016032	3.8	16
14	Conjunctive use of surface and ground water resources using the ant system optimization. <i>Agricultural Water Management</i> , 2016 , 173, 23-34	5.9	25
13	A modified regionalization weighting approach for climate change impact assessment at watershed scale. <i>Theoretical and Applied Climatology</i> , 2015 , 122, 497-516	3	25
12	Expert knowledge based modeling for integrated water resources planning and management in the Zayandehrud River Basin. <i>Journal of Hydrology</i> , 2015 , 528, 773-789	6	58
11	Prediction and assessment of drought effects on surface water quality using artificial neural networks: case study of Zayandehrud River, Iran. <i>Journal of Environmental Health Science & Engineering</i> , 2015 , 13, 68	2.9	4
10	Integrated Index for Assessment of Vulnerability to Drought, Case Study: Zayandehrood River Basin, Iran. <i>Water Resources Management</i> , 2014 , 28, 1671-1688	3.7	37
9	Groundwater vulnerability assessment using fuzzy logic: a case study in the Zayandehrood aquifers, Iran. <i>Environmental Management</i> , 2013 , 51, 267-77	3.1	42
8	Optimal Reservoir Operation Based on Conjunctive Use of Surface Water and Groundwater Using Neuro-Fuzzy Systems. <i>Water Resources Management</i> , 2013 , 27, 4259-4275	3.7	24
7	Conjunctive Use of Surface Water and Groundwater: Application of Support Vector Machines (SVMs) and Genetic Algorithms. <i>Water Resources Management</i> , 2013 , 27, 2623-2644	3.7	75
6	Integrated river basin planning and management: a case study of the Zayandehrud River basin, Iran. <i>Water International</i> , 2013 , 38, 724-743	2.4	7
5	Consideration of Climate Conditions in Reservoir Operation Using Fuzzy Inference System (FIS). <i>British Journal of Environment and Climate Change</i> , 2013 , 3, 444-463		9
4	Optimal Crop Planning and Conjunctive Use of Surface Water and Groundwater Resources Using Fuzzy Dynamic Programming. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2011 , 137, 383-397	1.1	29
3	Simulation-Optimization Modeling of Conjunctive Use of Surface Water and Groundwater. <i>Water Resources Management</i> , 2010 , 24, 1965-1988	3.7	102
2	Comparison between bivariate and trivariate flood frequency analysis using the Archimedean copula functions, a case study of the Karun River in Iran. <i>Natural Hazards</i> , 1	3	0
1	Optimization of Water Distribution Networks Using a New Entropy-based Mixed Reliability Index and a Fuzzy-based Constraint Handling Technique. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 1	1.1	

