

Hamid Reza Safavi

List of Publications by Year in descending order

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53
papers

1,152
citations

393982

19
h-index

414034

32
g-index

54
all docs

54
docs citations

54
times ranked

1020
citing authors

#	ARTICLE	IF	CITATIONS
1	Simulation-Optimization Modeling of Conjunctive Use of Surface Water and Groundwater. <i>Water Resources Management</i> , 2010, 24, 1965-1988.	1.9	121
2	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.	1.9	101
3	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.	2.3	75
4	f-MOPSO: An alternative multi-objective PSO algorithm for conjunctive water use management. <i>Journal of Hydro-Environment Research</i> , 2017, 14, 1-18.	1.0	57
5	Groundwater Vulnerability Assessment Using Fuzzy Logic: A Case Study in the Zayandehrood Aquifers, Iran. <i>Environmental Management</i> , 2013, 51, 267-277.	1.2	56
6	Integrated Index for Assessment of Vulnerability to Drought, Case Study: Zayandehrood River Basin, Iran. <i>Water Resources Management</i> , 2014, 28, 1671-1688.	1.9	50
7	Multi-Objective Planning for Conjunctive Use of Surface and Ground Water Resources Using Genetic Programming. <i>Water Resources Management</i> , 2019, 33, 2123-2137.	1.9	40
8	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.	2.3	38
9	Conjunctive use of surface and ground water resources using the ant system optimization. <i>Agricultural Water Management</i> , 2016, 173, 23-34.	2.4	37
10	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.	0.6	36
11	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.	1.9	36
12	A modified regionalization weighting approach for climate change impact assessment at watershed scale. <i>Theoretical and Applied Climatology</i> , 2015, 122, 497-516.	1.3	33
13	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.	1.1	29
14	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, .	1.3	29
15	Evaluation of the Effects of Climate Change on Groundwater Recharge Using a Hybrid Method. <i>Water Resources Management</i> , 2016, 30, 133-148.	1.9	28
16	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.	1.9	27
17	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, .	1.3	27
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.	1.5	22

#	ARTICLE	IF	CITATIONS
19	GuASPSO: a new approach to hold a better explorationâ€œexploitation balance in PSO algorithm. <i>Soft Computing</i> , 2020, 24, 4855-4875.	2.1	20
20	SOM-DRASTIC: using self-organizing map for evaluating groundwater potential to pollution. <i>Stochastic Environmental Research and Risk Assessment</i> , 2017, 31, 1941-1956.	1.9	18
21	Conjunctive Management of Surface and Ground Water Resources Using Conflict Resolution Approach. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016, 142, .	0.6	16
22	An Enhanced Grey Wolf Optimizer with a Velocity-Aided Global Search Mechanism. <i>Mathematics</i> , 2022, 10, 351.	1.1	16
23	Conjunctive Use of Surface Water and Groundwater Resources under Deficit Irrigation. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2017, 143, .	0.6	15
24	Optimization of sewer networks using the mixed-integer linear programming. <i>Urban Water Journal</i> , 2017, 14, 452-459.	1.0	14
25	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.	1.3	14
26	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.	3.8	13
27	Sustainable Conjunctive Water Use Modeling Using Dual Fitness Particle Swarm Optimization Algorithm. <i>Water Resources Management</i> , 2022, 36, 989-1006.	1.9	13
28	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.	1.0	12
29	Assessment of the management scenarios for groundwater quality remediation of a nitrate-contaminated aquifer. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 190.	1.3	11
30	Climate Change Impacts on Some Hydrological Variables in the Zayandeh-Rud River Basin, Iran. , 2017, , 201-217.		11
31	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.	1.3	10
32	Resolving water allocation conflicts using WEAP simulation model and non-cooperative game theory. <i>Simulation</i> , 2020, 96, 17-30.	1.1	10
33	Risk assessment of an industrial wastewater treatment and reclamation plant using the bow-tie method. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 33.	1.3	10
34	Integrated river basin planning and management: a case study of the Zayandehrud River basin, Iran. <i>Water International</i> , 2013, 38, 724-743.	0.4	9
35	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.	1.6	9
36	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.	1.8	9

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37	Consideration of Climate Conditions in Reservoir Operation Using Fuzzy Inference System (FIS). British Journal of Environment and Climate Change, 2013, 3, 444-463.	0.3	9
38	An improved MOPSO algorithm for multi-objective optimization of reservoir operation under climate change. Environmental Monitoring and Assessment, 2022, 194, 261.	1.3	9
39	A new hybrid drought-monitoring framework based on nonparametric standardized indicators. Hydrology Research, 2018, 49, 222-236.	1.1	7
40	A dynamic model of water resources management using the scenario analysis technique in downstream of the Zayandehroud basin. International Journal of River Basin Management, 2019, 17, 451-463.	1.5	7
41	Simulating the interactions between the water and the socio-economic system in a stressed endorheic basin. Hydrological Sciences Journal, 2020, 65, 2159-2174.	1.2	7
42	Improving Performance Criteria in the Water Resource Systems Based on Fuzzy Approach. Water Resources Management, 2021, 35, 593-611.	1.9	7
43	Prediction and assessment of drought effects on surface water quality using artificial neural networks: case study of Zayandehrud River, Iran. Journal of Environmental Health Science & Engineering, 2015, 13, 68.	1.4	6
44	Assessment of the optimized scenarios for economic-environmental conjunctive water use utilizing gravitational search algorithm. Agricultural Water Management, 2021, 246, 106688.	2.4	6
45	Comparison between bivariate and trivariate flood frequency analysis using the Archimedean copula functions, a case study of the Karun River in Iran. Natural Hazards, 2022, 112, 1589-1610.	1.6	5
46	A New Approach for Parameter Estimation of Autoregressive Models Using Adaptive Network-Based Fuzzy Inference System (ANFIS). Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2017, 41, 317-327.	1.0	4
47	Forensic engineering analysis applied to flood control. Journal of Hydrology, 2021, 594, 125961.	2.3	4
48	Relationship of Drought and Engineered Water Supply: Multivariate Index for Quantifying Sustained Water Stress in Anthropogenically Affected Subbasins. Journal of Hydrologic Engineering - ASCE, 2019, 24, .	0.8	3
49	Maximizing Sustainability in Reservoir Operation under Climate Change Using a Novel Adaptive Accelerated Gravitational Search Algorithm. Water (Switzerland), 2022, 14, 905.	1.2	3
50	Integrated Stormwater and Groundwater Management in Urban Areas, a Case Study. International Journal of Civil Engineering, 2019, 17, 1281-1294.	0.9	2
51	Development of System Dynamics for Holistic Conceptualization of Water Resources Problems Using Grounded Theory: A Case Study of the Zayandehrud River Basin. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2021, 45, 413-428.	1.0	1
52	Closure to "Conjunctive Management of Surface and Ground Water Resources Using Conflict Resolution Approach" by Hamid R. Safavi, Milad Mehrparvar, and Ferenc Szidarovszky. Journal of Irrigation and Drainage Engineering - ASCE, 2017, 143, 07017002.	0.6	0
53	Optimization of Water Distribution Networks Using a New Entropy-based Mixed Reliability Index and a Fuzzy-based Constraint Handling Technique. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 0, , 1.	1.0	0