Hamid Reza Safavi

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/6813867/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Simulation-Optimization Modeling of Conjunctive Use of Surface Water and Groundwater. Water Resources Management, 2010, 24, 1965-1988.	3.9	121
2	Conjunctive Use of Surface Water and Groundwater: Application of Support Vector Machines (SVMs) and Genetic Algorithms. Water Resources Management, 2013, 27, 2623-2644.	3.9	101
3	Expert knowledge based modeling for integrated water resources planning and management in the Zayandehrud River Basin. Journal of Hydrology, 2015, 528, 773-789.	5.4	75
4	f-MOPSO: An alternative multi-objective PSO algorithm for conjunctive water use management. Journal of Hydro-Environment Research, 2017, 14, 1-18.	2.2	57
5	Groundwater Vulnerability Assessment Using Fuzzy Logic: A Case Study in the Zayandehrood Aquifers, Iran. Environmental Management, 2013, 51, 267-277.	2.7	56
6	Integrated Index for Assessment of Vulnerability to Drought, Case Study: Zayandehrood River Basin, Iran. Water Resources Management, 2014, 28, 1671-1688.	3.9	50
7	Multi-Objective Planning for Conjunctive Use of Surface and Ground Water Resources Using Genetic Programming. Water Resources Management, 2019, 33, 2123-2137.	3.9	40
8	Scenario analysis for integrated water resources planning and management under uncertainty in the Zayandehrud river basin. Journal of Hydrology, 2016, 539, 625-639.	5.4	38
9	Conjunctive use of surface and ground water resources using the ant system optimization. Agricultural Water Management, 2016, 173, 23-34.	5.6	37
10	Optimal Crop Planning and Conjunctive Use of Surface Water and Groundwater Resources Using Fuzzy Dynamic Programming. Journal of Irrigation and Drainage Engineering - ASCE, 2011, 137, 383-397.	1.0	36
11	A Hybrid Fuzzy-Based Multi-Objective PSO Algorithm for Conjunctive Water Use and Optimal Multi-Crop Pattern Planning. Water Resources Management, 2017, 31, 1139-1155.	3.9	36
12	A modified regionalization weighting approach for climate change impact assessment at watershed scale. Theoretical and Applied Climatology, 2015, 122, 497-516.	2.8	33
13	Wavelet and cuckoo search-support vector machine conjugation for drought forecasting using Standardized Precipitation Index (case study: Urmia Lake, Iran). Journal of Hydroinformatics, 2018, 20, 975-988.	2.4	29
14	Integrated Simulation-Optimization Framework for Water Allocation Based on Sustainability of Surface Water and Groundwater Resources. Journal of Water Resources Planning and Management - ASCE, 2021, 147, .	2.6	29
15	Evaluation of the Effects of Climate Change on Groundwater Recharge Using a Hybrid Method. Water Resources Management, 2016, 30, 133-148.	3.9	28
16	Optimal Reservoir Operation Based on Conjunctive Use of Surface Water and Groundwater Using Neuro-Fuzzy Systems. Water Resources Management, 2013, 27, 4259-4275.	3.9	27
17	Development of a New Drought Index for Groundwater and Its Application in Sustainable Groundwater Extraction. Journal of Water Resources Planning and Management - ASCE, 2016, 142, . 	2.6	27
18	Social resolution of conflicts over water resources allocation in a river basin using cooperative game theory approaches: a case study. International Journal of River Basin Management, 2016, 14, 33-45.	2.7	22

Hamid Reza Safavi

#	Article	IF	CITATIONS
19	GuASPSO: a new approach to hold a better exploration–exploitation balance in PSO algorithm. Soft Computing, 2020, 24, 4855-4875.	3.6	20
20	SOM-DRASTIC: using self-organizing map for evaluating groundwater potential to pollution. Stochastic Environmental Research and Risk Assessment, 2017, 31, 1941-1956.	4.0	18
21	Conjunctive Management of Surface and Ground Water Resources Using Conflict Resolution Approach. Journal of Irrigation and Drainage Engineering - ASCE, 2016, 142, .	1.0	16
22	An Enhanced Grey Wolf Optimizer with a Velocity-Aided Global Search Mechanism. Mathematics, 2022, 10, 351.	2.2	16
23	Conjunctive Use of Surface Water and Groundwater Resources under Deficit Irrigation. Journal of Irrigation and Drainage Engineering - ASCE, 2017, 143, .	1.0	15
24	Optimization of sewer networks using the mixed-integer linear programming. Urban Water Journal, 2017, 14, 452-459.	2.1	14
25	f-MOPSO/Div: an improved extreme-point-based multi-objective PSO algorithm applied to a socio-economic-environmental conjunctive water use problem. Environmental Monitoring and Assessment, 2020, 192, 767.	2.7	14
26	Fusion-based framework for meteorological drought modeling using remotely sensed datasets under climate change scenarios: Resilience, vulnerability, and frequency analysis. Journal of Environmental Management, 2021, 297, 113283.	7.8	13
27	Sustainable Conjunctive Water Use Modeling Using Dual Fitness Particle Swarm Optimization Algorithm. Water Resources Management, 2022, 36, 989-1006.	3.9	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. Journal of Hydro-Environment Research, 2021, 34, 11-23.	2.2	12
29	Assessment of the management scenarios for groundwater quality remediation of a nitrate-contaminated aquifer. Environmental Monitoring and Assessment, 2021, 193, 190.	2.7	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. Theoretical and Applied Climatology, 2017, 130, 635-653.	2.8	10
32	Resolving water allocation conflicts using WEAP simulation model and non-cooperative game theory. Simulation, 2020, 96, 17-30.	1.8	10
33	Risk assessment of an industrial wastewater treatment and reclamation plant using the bow-tie method. Environmental Monitoring and Assessment, 2020, 192, 33.	2.7	10
34	Integrated river basin planning and management: a case study of the Zayandehrud River basin, Iran. Water International, 2013, 38, 724-743.	1.0	9
35	Multi-objective optimization for optimal extraction of groundwater from a nitrate-contaminated aquifer considering economic-environmental issues: A case study. Journal of Contaminant Hydrology, 2021, 241, 103806.	3.3	9
36	Application of meteorological drought for assessing watershed health using fuzzy-based reliability, resilience, and vulnerability. International Journal of Disaster Risk Reduction, 2021, 66, 102616.	3.9	9

Hamid Reza Safavi

#	Article	IF	CITATIONS
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.	2.7	9
39	A new hybrid drought-monitoring framework based on nonparametric standardized indicators. Hydrology Research, 2018, 49, 222-236.	2.7	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.	2.7	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.	2.6	7
42	Improving Performance Criteria in the Water Resource Systems Based on Fuzzy Approach. Water Resources Management, 2021, 35, 593-611.	3.9	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.	3.0	6
44	Assessment of the optimized scenarios for economic-environmental conjunctive water use utilizing gravitational search algorithm. Agricultural Water Management, 2021, 246, 106688.	5.6	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.	3.4	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.	1.9	4
47	Forensic engineering analysis applied to flood control. Journal of Hydrology, 2021, 594, 125961.	5.4	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, .	1.9	3
49	Maximizing Sustainability in Reservoir Operation under Climate Change Using a Novel Adaptive Accelerated Gravitational Search Algorithm. Water (Switzerland), 2022, 14, 905.	2.7	3
50	Integrated Stormwater and Groundwater Management in Urban Areas, a Case Study. International Journal of Civil Engineering, 2019, 17, 1281-1294.	2.0	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.	1.9	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.	1.0	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.	1.9	0