

Saeed Farzin

List of Publications by Citations

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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.

60
papers

1,010
citations

19
h-index

28
g-index

64
ext. papers

1,434
ext. citations

3.4
avg, IF

5.32
L-index

#	Paper	IF	Citations
60	Mechanical properties of the concrete containing recycled fibers and aggregates. <i>Construction and Building Materials</i> , 2017 , 144, 392-398	6.7	92
59	Comparative evaluation of intelligent algorithms to improve adaptive neuro-fuzzy inference system performance in precipitation modelling. <i>Journal of Hydrology</i> , 2019 , 571, 214-224	6	47
58	Reservoir operation based on evolutionary algorithms and multi-criteria decision-making under climate change and uncertainty. <i>Journal of Hydroinformatics</i> , 2018 , 20, 332-355	2.6	47
57	Prediction of Water Quality Parameters Using ANFIS Optimized by Intelligence Algorithms (Case Study: Gorganrood River). <i>KSCE Journal of Civil Engineering</i> , 2018 , 22, 2206-2213	1.9	43
56	Modeling Groundwater Quality Parameters Using Hybrid Neuro-Fuzzy Methods. <i>Water Resources Management</i> , 2019 , 33, 847-861	3.7	41
55	A hybrid bat-swarm algorithm for optimizing dam and reservoir operation. <i>Neural Computing and Applications</i> , 2019 , 31, 8807-8821	4.8	39
54	Optimization of Chain-Reservoirs Operation with a New Approach in Artificial Intelligence. <i>Water Resources Management</i> , 2017 , 31, 2085-2104	3.7	32
53	An improved model based on the support vector machine and cuckoo algorithm for simulating reference evapotranspiration. <i>PLoS ONE</i> , 2019 , 14, e0217499	3.7	31
52	Optimization of energy management and conversion in the multi-reservoir systems based on evolutionary algorithms. <i>Journal of Cleaner Production</i> , 2017 , 168, 1132-1142	10.3	31
51	Modeling river water quality parameters using modified adaptive neuro fuzzy inference system. <i>Water Science and Engineering</i> , 2019 , 12, 45-54	4	30
50	Flow Direction Algorithm (FDA): A Novel Optimization Approach for Solving Optimization Problems. <i>Computers and Industrial Engineering</i> , 2021 , 156, 107224	6.4	26
49	Uncertainty Analysis of Climate Change Impacts on Flood Frequency by Using Hybrid Machine Learning Methods. <i>Water Resources Management</i> , 2021 , 35, 199-223	3.7	26
48	Integrated support vector regression and an improved particle swarm optimization-based model for solar radiation prediction. <i>PLoS ONE</i> , 2019 , 14, e0217634	3.7	24
47	Introducing a framework for modeling of drug electrochemical removal from wastewater based on data mining algorithms, scatter interpolation method, and multi criteria decision analysis (DID). <i>Journal of Cleaner Production</i> , 2020 , 266, 122075	10.3	24
46	Reducing Irrigation Deficiencies Based Optimizing Model for Multi-Reservoir Systems Utilizing Spider Monkey Algorithm. <i>Water Resources Management</i> , 2018 , 32, 2315-2334	3.7	24
45	Prediction of river flow using hybrid neuro-fuzzy models. <i>Arabian Journal of Geosciences</i> , 2018 , 11, 1	1.8	23
44	Flood Routing in River Reaches Using a Three-Parameter Muskingum Model Coupled with an Improved Bat Algorithm. <i>Water (Switzerland)</i> , 2018 , 10, 1130	3	22

43	Reservoir Optimization for Energy Production Using a New Evolutionary Algorithm Based on Multi-Criteria Decision-Making Models. <i>Water Resources Management</i> , 2018 , 32, 2539-2560	3.7	20
42	Investigation of a New Hybrid Optimization Algorithm Performance in the Optimal Operation of Multi-Reservoir Benchmark Systems. <i>Water Resources Management</i> , 2019 , 33, 4767-4782	3.7	19
41	Evaluation of contemporary evolutionary algorithms for optimization in reservoir operation and water supply 2018 , 67, 54-67		19
40	Hybrid Bat & Particle Swarm Algorithm for optimization of labyrinth spillway based on half & quarter round crest shapes. <i>Flow Measurement and Instrumentation</i> , 2019 , 66, 209-217	2.2	18
39	Optimization of energy management and conversion in the water systems based on evolutionary algorithms. <i>Neural Computing and Applications</i> , 2019 , 31, 5951-5964	4.8	18
38	Development of a Novel Hybrid Optimization Algorithm for Minimizing Irrigation Deficiencies. <i>Sustainability</i> , 2019 , 11, 2337	3.6	16
37	Improved Krill Algorithm for Reservoir Operation. <i>Water Resources Management</i> , 2018 , 32, 3353-3372	3.7	16
36	Effect of zeolite and pumice powders on the environmental and physical characteristics of green concrete filters. <i>Construction and Building Materials</i> , 2020 , 240, 117931	6.7	16
35	Design of water supply system from rivers using artificial intelligence to model water hammer. <i>ISH Journal of Hydraulic Engineering</i> , 2020 , 26, 153-162	1.5	16
34	Bat algorithm for dam Reservoir operation. <i>Environmental Earth Sciences</i> , 2018 , 77, 1	2.9	16
33	Predicting discharge coefficient of triangular labyrinth weir using Support Vector Regression, Support Vector Regression-firefly, Response Surface Methodology and Principal Component Analysis. <i>Flow Measurement and Instrumentation</i> , 2017 , 55, 75-81	2.2	15
32	Optimization of Reservoir Operation using New Hybrid Algorithm. <i>KSCE Journal of Civil Engineering</i> , 2018 , 22, 4668-4680	1.9	14
31	A Novel LSSVM Model Integrated with GBO Algorithm to Assessment of Water Quality Parameters. <i>Water Resources Management</i> , 2021 , 35, 3939	3.7	14
30	Simulation of flow pattern at rectangular lateral intake with different dike and submerged vane scenarios. <i>Water Science and Engineering</i> , 2017 , 10, 246-255	4	13
29	Novel approaches for air temperature prediction: A comparison of four hybrid evolutionary fuzzy models. <i>Meteorological Applications</i> , 2020 , 27, e1817	2.1	13
28	Multi-Reservoir System Optimization Based on Hybrid Gravitational Algorithm to Minimize Water-Supply Deficiencies. <i>Water Resources Management</i> , 2019 , 33, 2741-2760	3.7	11
27	Crow Algorithm for Irrigation Management: A Case Study. <i>Water Resources Management</i> , 2020 , 34, 1021-1045	3.7	10
26	A New Framework for Evaluation of Rainfall Temporal Variability through Principal Component Analysis, Hybrid Adaptive Neuro-Fuzzy Inference System, and Innovative Trend Analysis Methodology. <i>Water Resources Management</i> , 2020 , 34, 3363-3385	3.7	10

25	Optimal construction of an open channel by considering different conditions and uncertainty: application of evolutionary methods. <i>Engineering Optimization</i> , 2021 , 53, 1173-1191	2	10
24	Smoothed particle hydrodynamics for the interaction of Newtonian and non-Newtonian fluids using the (I) model. <i>Powder Technology</i> , 2019 , 351, 325-337	5.2	9
23	Position explicit and iterative implicit consistent incompressible SPH methods for free surface flow. <i>Computers and Fluids</i> , 2019 , 179, 52-66	2.8	9
22	A New Methodology for Reference Evapotranspiration Prediction and Uncertainty Analysis under Climate Change Conditions Based on Machine Learning, Multi Criteria Decision Making and Monte Carlo Methods. <i>Sustainability</i> , 2022 , 14, 2601	3.6	9
21	Toward Bridging Future Irrigation Deficits Utilizing the Shark Algorithm Integrated with a Climate Change Model. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 3960	2.6	8
20	A numerical and experimental investigation of the effects of combination of spur dikes in series on a flow field. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019 , 41, 1	2	7
19	Optimization of dam's spillway design under climate change conditions. <i>Journal of Hydroinformatics</i> , 2020 , 22, 916-936	2.6	7
18	Modeling and predicting suspended sediment load under climate change conditions: a new hybridization strategy. <i>Journal of Water and Climate Change</i> , 2021 , 12, 2422-2443	2.3	7
17	Municipal Wastewater pretreatment using porous concrete containing fine-grained mineral adsorbents. <i>Journal of Water Process Engineering</i> , 2020 , 36, 101346	6.7	6
16	A New Method for Flood Routing Utilizing Four-Parameter Nonlinear Muskingum and Shark Algorithm. <i>Water Resources Management</i> , 2019 , 33, 4879-4893	3.7	6
15	The effect of vermiculite and quartz in porous concrete on reducing storm-runoff pollution. <i>ISH Journal of Hydraulic Engineering</i> , 2021 , 27, 144-152	1.5	6
14	Investigation of RS and GIS techniques on MPSIAC model to estimate soil erosion. <i>Natural Hazards</i> , 2018 , 91, 221-238	3	6
13	Experimental Investigation of the Effect of Adding LECA and Pumice on Some Physical Properties of Porous Concrete. <i>Engineering Journal</i> , 2018 , 22, 205-213	1.8	5
12	Approaches for Optimizing the Performance of Adaptive Neuro-Fuzzy Inference System and Least-Squares Support Vector Machine in Precipitation Modeling. <i>Journal of Hydrologic Engineering - ASCE</i> , 2021 , 26, 04021010	1.8	5
11	Application of Talc as an Eco-Friendly Additive to Improve the Structural Behavior of Porous Concrete. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2019 , 43, 443-453	1.1	5
10	Flood routing by Kidney algorithm and Muskingum model. <i>Natural Hazards</i> , 2018 , 1	3	5
9	Forecasting Daily and Monthly Reference Evapotranspiration in the Aidoghmoush Basin Using Multilayer Perceptron Coupled with Water Wave Optimization. <i>Complexity</i> , 2021 , 2021, 1-12	1.6	5
8	Meteorological drought analysis in response to climate change conditions, based on combined four-dimensional vine copulas and data mining (VC-DM). <i>Journal of Hydrology</i> , 2021 , 603, 127135	6	4

7	Performance assessment of modified clinoptilolite and magnetic nanotubes on sulfate removal and potential application in natural river samples. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2020 , 97, 51-63	1.7	3
6	Developing a model for multi-objective optimization of open channels and labyrinth weirs: Theory and application in Isfahan Irrigation Networks. <i>Flow Measurement and Instrumentation</i> , 2021 , 80, 101971 ²⁻²		3
5	Effects of adding mineral adsorbents to porous concrete for enhancing the quality performance of urban runoff systems. <i>World Journal of Engineering</i> , 2018 , 15, 489-497	1.8	2
4	A Novel Framework Based on the Stacking Ensemble Machine Learning (SEML) Method: Application in Wind Speed Modeling. <i>Atmosphere</i> , 2022 , 13, 758	2.7	2
3	Properties of metakaolin-based green pervious concrete cured in cold and normal weather conditions. <i>European Journal of Environmental and Civil Engineering</i> , 2020 , 1-14	1.5	1
2	Introducing affordable and accessible physical covers to reduce evaporation from agricultural water reservoirs and pools (field study, statistics, and intelligent methods). <i>Arabian Journal of Geosciences</i> , 2021 , 14, 1	1.8	0
1	A new framework for missing data estimation and reconstruction based on the geographical input information, data mining, and multi-criteria decision-making; theory and application in missing groundwater data of Damghan plain. <i>Groundwater for Sustainable Development</i> , 2022 , 100767	6	0