

Hojat Karami

List of Publications by Citations

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Version: 2024-04-24

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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.

65
papers

857
citations

18
h-index

24
g-index

70
ext. papers

1,224
ext. citations

3
avg, IF

4.97
L-index

#	Paper	IF	Citations
65	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
64	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
63	A hybrid bat-swarm algorithm for optimizing dam and reservoir operation. <i>Neural Computing and Applications</i> , 2019 , 31, 8807-8821	4.8	39
62	Optimization of Chain-Reservoirs Operation with a New Approach in Artificial Intelligence. <i>Water Resources Management</i> , 2017 , 31, 2085-2104	3.7	32
61	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
60	Predicting discharge coefficient of triangular labyrinth weir using extreme learning machine, artificial neural network and genetic programming. <i>Neural Computing and Applications</i> , 2018 , 29, 983-989	4.8	31
59	Modeling river water quality parameters using modified adaptive neuro fuzzy inference system. <i>Water Science and Engineering</i> , 2019 , 12, 45-54	4	30
58	Flow Direction Algorithm (FDA): A Novel Optimization Approach for Solving Optimization Problems. <i>Computers and Industrial Engineering</i> , 2021 , 156, 107224	6.4	26
57	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
56	Reservoir Operation by a New Evolutionary Algorithm: Kidney Algorithm. <i>Water Resources Management</i> , 2018 , 32, 4681-4706	3.7	25
55	Verification of numerical study of scour around spur dikes using experimental data. <i>Water and Environment Journal</i> , 2014 , 28, 124-134	1.7	25
54	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
53	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
52	Optimal Reservoir Operation Using Bat and Particle Swarm Algorithm and Game Theory Based on Optimal Water Allocation among Consumers. <i>Water Resources Management</i> , 2019 , 33, 3071-3093	3.7	23
51	Prediction of river flow using hybrid neuro-fuzzy models. <i>Arabian Journal of Geosciences</i> , 2018 , 11, 1	1.8	23
50	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
49	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

48	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
47	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
46	Development of a Novel Hybrid Optimization Algorithm for Minimizing Irrigation Deficiencies. <i>Sustainability</i> , 2019 , 11, 2337	3.6	16
45	Improved Krill Algorithm for Reservoir Operation. <i>Water Resources Management</i> , 2018 , 32, 3353-3372	3.7	16
44	Protective spur dike for scour mitigation of existing spur dikes. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2011 , 49, 809-813	1.9	16
43	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
42	Bat algorithm for dam Reservoir operation. <i>Environmental Earth Sciences</i> , 2018 , 77, 1	2.9	16
41	Experimental and numerical investigation of the effect of different shapes of collars on the reduction of scour around a single bridge pier. <i>PLoS ONE</i> , 2014 , 9, e98592	3.7	15
40	Optimization of Reservoir Operation using New Hybrid Algorithm. <i>KSCE Journal of Civil Engineering</i> , 2018 , 22, 4668-4680	1.9	14
39	Novel approaches for air temperature prediction: A comparison of four hybrid evolutionary fuzzy models. <i>Meteorological Applications</i> , 2020 , 27, e1817	2.1	13
38	Comparison Between Soft Computing Methods for Prediction of Sediment Load in Rivers: Maku Dam Case Study. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2019 , 43, 93-103	1.1	12
37	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
36	Groundwater level prediction in arid areas using wavelet analysis and Gaussian process regression. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2021 , 15, 1147-1158	4.5	11
35	Challenge of rainfall network design considering spatial versus spatiotemporal variations. <i>Journal of Hydrology</i> , 2019 , 574, 990-1002	6	10
34	Crow Algorithm for Irrigation Management: A Case Study. <i>Water Resources Management</i> , 2020 , 34, 1021-1045	3.45	10
33	Irrigation Management Based on Reservoir Operation with an Improved Weed Algorithm. <i>Water (Switzerland)</i> , 2018 , 10, 1267	3	10
32	Investigation of neural network and fuzzy inference neural network and their optimization using meta-algorithms in river flood routing. <i>Natural Hazards</i> , 2018 , 94, 1057-1080	3	9
31	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

30	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
29	Scour and three-dimensional flow field measurement around short vertical-wall abutment protected by collar. <i>KSCE Journal of Civil Engineering</i> , 2018 , 22, 141-152	1.9	7
28	A hybrid constrained coral reefs optimization algorithm with machine learning for optimizing multi-reservoir systems operation. <i>Journal of Environmental Management</i> , 2021 , 286, 112250	7.9	7
27	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
26	Use of multi-criteria decision-making for selecting spillway type and optimizing dimensions by applying the harmony search algorithm: Qeshlagh Dam Case Study. <i>Lakes and Reservoirs: Research and Management</i> , 2019 , 24, 66-75	1.2	6
25	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
24	Analysis of hydrological drought characteristics using copula function approach. <i>Paddy and Water Environment</i> , 2018 , 16, 153-161	1.6	6
23	Investigation of RS and GIS techniques on MPSIAC model to estimate soil erosion. <i>Natural Hazards</i> , 2018 , 91, 221-238	3	6
22	Revisited rainfall network design: evaluation of heuristic versus entropy theory methods. <i>Arabian Journal of Geosciences</i> , 2018 , 11, 1	1.8	6
21	Combination of Group Method of Data Handling (GMDH) and Computational Fluid Dynamics (CFD) for Prediction of Velocity in Channel Intake. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 7521	2.6	5
20	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
19	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
18	Hybrid model of support vector regression and fruitfly optimization algorithm for predicting ski-jump spillway scour geometry. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2021 , 15, 272-291	4.5	5
17	Flood routing by Kidney algorithm and Muskingum model. <i>Natural Hazards</i> , 2018 , 1	3	5
16	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
15	Modeling sediment transport around a rectangular bridge abutment. <i>Environmental Fluid Mechanics</i> , 2015 , 15, 1105-1114	2.2	4
14	Generation of Clean Hydropower Energy in Multi-Reservoir Systems Based on a New Evolutionary Algorithm. <i>Water Resources Management</i> , 2020 , 34, 1247-1264	3.7	4
13	Effects of Width Ratios and Deviation Angles on the Mean Velocity in Inlet Channels Using Numerical Modeling and Artificial Neural Network Modeling. <i>International Journal of Civil Engineering</i> , 2017 , 15, 149-161	1.9	4

12	A new hybrid framework based on integration of optimization algorithms and numerical method for estimating monthly groundwater level. <i>Arabian Journal of Geosciences</i> , 2021 , 14, 1	1.8	3
11	Experimental Investigation of Scour Reduction Around Spur Dikes by Collar Using Taguchi Method. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2021 , 45, 971-983	1.1	3
10	Using soft computing and machine learning algorithms to predict the discharge coefficient of curved labyrinth overflows. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2021 , 15, 1002-1015	1.5	2
9	Application of Numerical Modeling to Assess Geometry Effect of Racks on Performance of Bottom Intakes. <i>Arabian Journal for Science and Engineering</i> , 2015 , 40, 677-684		1
8	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
7	Nested Augmentation of Rainfall Monitoring Network: Proposing a Hybrid Implementation of Block Kriging and Entropy Theory. <i>Water Resources Management</i> , 2021 , 35, 4665	3.7	1
6	Forecasting the discharge capacity of inflatable rubber dams using hybrid machine learning models. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2021 , 15, 1761-1774	4.5	0
5	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
4	Two Comprehensive and Practical Methods for Simulating Pan Evaporation under Different Climatic Conditions in Iran. <i>Water (Switzerland)</i> , 2021 , 13, 2814	3	0
3	Treatment of domestic wastewater using the combination of porous concrete and phytoremediation for irrigation. <i>Paddy and Water Environment</i> , 2020 , 18, 729-742	1.6	0
2	Experimental and numerical investigation on effect of trash rack on flow properties at power intakes. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2020 , 100, e202000017	1	
1	Prediction of scour pattern around hydraulic structures using geostatistical methods. <i>Arabian Journal of Geosciences</i> , 2019 , 12, 1	1.8	