

Hojat Karami

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.

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 | 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 |
| 64 | 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 |
| 63 | Two Comprehensive and Practical Methods for Simulating Pan Evaporation under Different Climatic Conditions in Iran. <i>Water (Switzerland)</i> , 2021 , 13, 2814 | 3 | 0 |
| 62 | 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 |
| 61 | 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 |
| 60 | 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 |
| 59 | Flow Direction Algorithm (FDA): A Novel Optimization Approach for Solving Optimization Problems. <i>Computers and Industrial Engineering</i> , 2021 , 156, 107224 | 6.4 | 26 |
| 58 | 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 |
| 57 | 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 |
| 56 | 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 |
| 55 | 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 |
| 54 | 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 | 4.5 | 2 |
| 53 | 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 |
| 52 | 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 |
| 51 | 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 |
| 50 | 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 |
| 49 | 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 | |

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| 48 | Crow Algorithm for Irrigation Management: A Case Study. <i>Water Resources Management</i> , 2020 , 34, 1021-1045 | 3.7 | 10 |
| 47 | 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 |
| 46 | 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 |
| 45 | 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 |
| 44 | 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 |
| 43 | Novel approaches for air temperature prediction: A comparison of four hybrid evolutionary fuzzy models. <i>Meteorological Applications</i> , 2020 , 27, e1817 | 2.1 | 13 |
| 42 | 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 |
| 41 | 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 |
| 40 | 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 |
| 39 | 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 |
| 38 | Development of a Novel Hybrid Optimization Algorithm for Minimizing Irrigation Deficiencies. <i>Sustainability</i> , 2019 , 11, 2337 | 3.6 | 16 |
| 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 | 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 |
| 35 | Challenge of rainfall network design considering spatial versus spatiotemporal variations. <i>Journal of Hydrology</i> , 2019 , 574, 990-1002 | 6 | 10 |
| 34 | Modeling river water quality parameters using modified adaptive neuro fuzzy inference system. <i>Water Science and Engineering</i> , 2019 , 12, 45-54 | 4 | 30 |
| 33 | 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 |
| 32 | 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 |
| 31 | 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 |

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| 30 | 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 |
| 29 | Prediction of scour pattern around hydraulic structures using geostatistical methods. <i>Arabian Journal of Geosciences</i> , 2019 , 12, 1 | 1.8 | |
| 28 | A hybrid bat-swarm algorithm for optimizing dam and reservoir operation. <i>Neural Computing and Applications</i> , 2019 , 31, 8807-8821 | 4.8 | 39 |
| 27 | 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 |
| 26 | 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 |
| 25 | 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 |
| 24 | 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 |
| 23 | 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 |
| 22 | 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 |
| 21 | 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 |
| 20 | 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 |
| 19 | Optimization of Reservoir Operation using New Hybrid Algorithm. <i>KSCE Journal of Civil Engineering</i> , 2018 , 22, 4668-4680 | 1.9 | 14 |
| 18 | Reservoir Operation by a New Evolutionary Algorithm: Kidney Algorithm. <i>Water Resources Management</i> , 2018 , 32, 4681-4706 | 3.7 | 25 |
| 17 | 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 |
| 16 | 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 |
| 15 | Improved Krill Algorithm for Reservoir Operation. <i>Water Resources Management</i> , 2018 , 32, 3353-3372 | 3.7 | 16 |
| 14 | Analysis of hydrological drought characteristics using copula function approach. <i>Paddy and Water Environment</i> , 2018 , 16, 153-161 | 1.6 | 6 |
| 13 | Investigation of RS and GIS techniques on MPSIAC model to estimate soil erosion. <i>Natural Hazards</i> , 2018 , 91, 221-238 | 3 | 6 |

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| 12 | Prediction of river flow using hybrid neuro-fuzzy models. <i>Arabian Journal of Geosciences</i> , 2018 , 11, 1 | 1.8 | 23 |
| 11 | Revisited rainfall network design: evaluation of heuristic versus entropy theory methods. <i>Arabian Journal of Geosciences</i> , 2018 , 11, 1 | 1.8 | 6 |
| 10 | Irrigation Management Based on Reservoir Operation with an Improved Weed Algorithm. <i>Water (Switzerland)</i> , 2018 , 10, 1267 | 3 | 10 |
| 9 | Flood routing by Kidney algorithm and Muskingum model. <i>Natural Hazards</i> , 2018 , 1 | 3 | 5 |
| 8 | Bat algorithm for dam Reservoir operation. <i>Environmental Earth Sciences</i> , 2018 , 77, 1 | 2.9 | 16 |
| 7 | Optimization of Chain-Reservoirs Operation with a New Approach in Artificial Intelligence. <i>Water Resources Management</i> , 2017 , 31, 2085-2104 | 3.7 | 32 |
| 6 | 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 |
| 5 | 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 |
| 4 | Modeling sediment transport around a rectangular bridge abutment. <i>Environmental Fluid Mechanics</i> , 2015 , 15, 1105-1114 | 2.2 | 4 |
| 3 | 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 |
| 2 | 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 |
| 1 | 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 |