

# Saeed Farzin

## 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.

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	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> , <b>2022</b> , 14, 2601	3.6	9
59	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> , <b>2022</b> , 100767	6	0
58	A Novel Framework Based on the Stacking Ensemble Machine Learning (SEML) Method: Application in Wind Speed Modeling. <i>Atmosphere</i> , <b>2022</b> , 13, 758	2.7	2
57	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> , <b>2021</b> , 14, 1	1.8	0
56	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> , <b>2021</b> , 603, 127135	6	4
55	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> , <b>2021</b> , 26, 04021010	1.8	5
54	Flow Direction Algorithm (FDA): A Novel Optimization Approach for Solving Optimization Problems. <i>Computers and Industrial Engineering</i> , <b>2021</b> , 156, 107224	6.4	26
53	Optimal construction of an open channel by considering different conditions and uncertainty: application of evolutionary methods. <i>Engineering Optimization</i> , <b>2021</b> , 53, 1173-1191	2	10
52	The effect of vermiculite and quartz in porous concrete on reducing storm-runoff pollution. <i>ISH Journal of Hydraulic Engineering</i> , <b>2021</b> , 27, 144-152	1.5	6
51	Uncertainty Analysis of Climate Change Impacts on Flood Frequency by Using Hybrid Machine Learning Methods. <i>Water Resources Management</i> , <b>2021</b> , 35, 199-223	3.7	26
50	Modeling and predicting suspended sediment load under climate change conditions: a new hybridization strategy. <i>Journal of Water and Climate Change</i> , <b>2021</b> , 12, 2422-2443	2.3	7
49	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> , <b>2021</b> , 80, 101971	2.2	3
48	Forecasting Daily and Monthly Reference Evapotranspiration in the Aidoghmoush Basin Using Multilayer Perceptron Coupled with Water Wave Optimization. <i>Complexity</i> , <b>2021</b> , 2021, 1-12	1.6	5
47	A Novel LSSVM Model Integrated with GBO Algorithm to Assessment of Water Quality Parameters. <i>Water Resources Management</i> , <b>2021</b> , 35, 3939	3.7	14
46	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> , <b>2020</b> , 266, 122075	10.3	24
45	Municipal Wastewater pretreatment using porous concrete containing fine-grained mineral adsorbents. <i>Journal of Water Process Engineering</i> , <b>2020</b> , 36, 101346	6.7	6
44	Optimization of dam's spillway design under climate change conditions. <i>Journal of Hydroinformatics</i> , <b>2020</b> , 22, 916-936	2.6	7

43	Crow Algorithm for Irrigation Management: A Case Study. <i>Water Resources Management</i> , <b>2020</b> , 34, 1021-1045	10
42	Properties of metakaolin-based green pervious concrete cured in cold and normal weather conditions. <i>European Journal of Environmental and Civil Engineering</i> , <b>2020</b> , 1-14	1.5 1
41	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> , <b>2020</b> , 97, 51-63	1.7 3
40	Effect of zeolite and pumice powders on the environmental and physical characteristics of green concrete filters. <i>Construction and Building Materials</i> , <b>2020</b> , 240, 117931	6.7 16
39	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> , <b>2020</b> , 34, 3363-3385	3.7 10
38	Design of water supply system from rivers using artificial intelligence to model water hammer. <i>ISH Journal of Hydraulic Engineering</i> , <b>2020</b> , 26, 153-162	1.5 16
37	Novel approaches for air temperature prediction: A comparison of four hybrid evolutionary fuzzy models. <i>Meteorological Applications</i> , <b>2020</b> , 27, e1817	2.1 13
36	Toward Bridging Future Irrigation Deficits Utilizing the Shark Algorithm Integrated with a Climate Change Model. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 3960	2.6 8
35	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> , <b>2019</b> , 41, 1	2 7
34	An improved model based on the support vector machine and cuckoo algorithm for simulating reference evapotranspiration. <i>PLoS ONE</i> , <b>2019</b> , 14, e0217499	3.7 31
33	Development of a Novel Hybrid Optimization Algorithm for Minimizing Irrigation Deficiencies. <i>Sustainability</i> , <b>2019</b> , 11, 2337	3.6 16
32	Multi-Reservoir System Optimization Based on Hybrid Gravitational Algorithm to Minimize Water-Supply Deficiencies. <i>Water Resources Management</i> , <b>2019</b> , 33, 2741-2760	3.7 11
31	Integrated support vector regression and an improved particle swarm optimization-based model for solar radiation prediction. <i>PLoS ONE</i> , <b>2019</b> , 14, e0217634	3.7 24
30	Modeling river water quality parameters using modified adaptive neuro fuzzy inference system. <i>Water Science and Engineering</i> , <b>2019</b> , 12, 45-54	4 30
29	Hybrid Bat & Particle Swarm Algorithm for optimization of labyrinth spillway based on half & quarter round crest shapes. <i>Flow Measurement and Instrumentation</i> , <b>2019</b> , 66, 209-217	2.2 18
28	Smoothed particle hydrodynamics for the interaction of Newtonian and non-Newtonian fluids using the (̄) model. <i>Powder Technology</i> , <b>2019</b> , 351, 325-337	5.2 9
27	Comparative evaluation of intelligent algorithms to improve adaptive neuro-fuzzy inference system performance in precipitation modelling. <i>Journal of Hydrology</i> , <b>2019</b> , 571, 214-224	6 47
26	Investigation of a New Hybrid Optimization Algorithm Performance in the Optimal Operation of Multi-Reservoir Benchmark Systems. <i>Water Resources Management</i> , <b>2019</b> , 33, 4767-4782	3.7 19

25	A New Method for Flood Routing Utilizing Four-Parameter Nonlinear Muskingum and Shark Algorithm. <i>Water Resources Management</i> , <b>2019</b> , 33, 4879-4893	3.7	6
24	Modeling Groundwater Quality Parameters Using Hybrid Neuro-Fuzzy Methods. <i>Water Resources Management</i> , <b>2019</b> , 33, 847-861	3.7	41
23	A hybrid bat-swarm algorithm for optimizing dam and reservoir operation. <i>Neural Computing and Applications</i> , <b>2019</b> , 31, 8807-8821	4.8	39
22	Position explicit and iterative implicit consistent incompressible SPH methods for free surface flow. <i>Computers and Fluids</i> , <b>2019</b> , 179, 52-66	2.8	9
21	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> , <b>2019</b> , 43, 443-453	1.1	5
20	Optimization of energy management and conversion in the water systems based on evolutionary algorithms. <i>Neural Computing and Applications</i> , <b>2019</b> , 31, 5951-5964	4.8	18
19	Reservoir operation based on evolutionary algorithms and multi-criteria decision-making under climate change and uncertainty. <i>Journal of Hydroinformatics</i> , <b>2018</b> , 20, 332-355	2.6	47
18	Reducing Irrigation Deficiencies Based Optimizing Model for Multi-Reservoir Systems Utilizing Spider Monkey Algorithm. <i>Water Resources Management</i> , <b>2018</b> , 32, 2315-2334	3.7	24
17	Reservoir Optimization for Energy Production Using a New Evolutionary Algorithm Based on Multi-Criteria Decision-Making Models. <i>Water Resources Management</i> , <b>2018</b> , 32, 2539-2560	3.7	20
16	Prediction of Water Quality Parameters Using ANFIS Optimized by Intelligence Algorithms (Case Study: Gorganrood River). <i>KSCE Journal of Civil Engineering</i> , <b>2018</b> , 22, 2206-2213	1.9	43
15	Effects of adding mineral adsorbents to porous concrete for enhancing the quality performance of urban runoff systems. <i>World Journal of Engineering</i> , <b>2018</b> , 15, 489-497	1.8	2
14	Optimization of Reservoir Operation using New Hybrid Algorithm. <i>KSCE Journal of Civil Engineering</i> , <b>2018</b> , 22, 4668-4680	1.9	14
13	Flood Routing in River Reaches Using a Three-Parameter Muskingum Model Coupled with an Improved Bat Algorithm. <i>Water (Switzerland)</i> , <b>2018</b> , 10, 1130	3	22
12	Improved Krill Algorithm for Reservoir Operation. <i>Water Resources Management</i> , <b>2018</b> , 32, 3353-3372	3.7	16
11	Experimental Investigation of the Effect of Adding LECA and Pumice on Some Physical Properties of Porous Concrete. <i>Engineering Journal</i> , <b>2018</b> , 22, 205-213	1.8	5
10	Evaluation of contemporary evolutionary algorithms for optimization in reservoir operation and water supply <b>2018</b> , 67, 54-67		19
9	Investigation of RS and GIS techniques on MPSIAC model to estimate soil erosion. <i>Natural Hazards</i> , <b>2018</b> , 91, 221-238	3	6
8	Prediction of river flow using hybrid neuro-fuzzy models. <i>Arabian Journal of Geosciences</i> , <b>2018</b> , 11, 1	1.8	23

7	Flood routing by Kidney algorithm and Muskingum model. <i>Natural Hazards</i> , <b>2018</b> , 1	3	5
6	Bat algorithm for dam reservoir operation. <i>Environmental Earth Sciences</i> , <b>2018</b> , 77, 1	2.9	16
5	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> , <b>2017</b> , 55, 75-81	2.2	15
4	Mechanical properties of the concrete containing recycled fibers and aggregates. <i>Construction and Building Materials</i> , <b>2017</b> , 144, 392-398	6.7	92
3	Optimization of Chain-Reservoirs Operation with a New Approach in Artificial Intelligence. <i>Water Resources Management</i> , <b>2017</b> , 31, 2085-2104	3.7	32
2	Simulation of flow pattern at rectangular lateral intake with different dike and submerged vane scenarios. <i>Water Science and Engineering</i> , <b>2017</b> , 10, 246-255	4	13
1	Optimization of energy management and conversion in the multi-reservoir systems based on evolutionary algorithms. <i>Journal of Cleaner Production</i> , <b>2017</b> , 168, 1132-1142	10.3	31