

# Saeed Samadianfard

## List of Publications by Year in descending order

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38  
papers

1,500  
citations

361296

20  
h-index

330025

37  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1392  
citing authors

#	ARTICLE	IF	CITATIONS
1	Predicting Standardized Streamflow index for hydrological drought using machine learning models. Engineering Applications of Computational Fluid Mechanics, 2020, 14, 339-350.	1.5	171
2	Multi-layer perceptron hybrid model integrated with the firefly optimizer algorithm for windspeed prediction of target site using a limited set of neighboring reference station data. Renewable Energy, 2018, 116, 309-323.	4.3	115
3	Wind speed prediction using a hybrid model of the multi-layer perceptron and whale optimization algorithm. Energy Reports, 2020, 6, 1147-1159.	2.5	112
4	Groundwater Quality Assessment for Sustainable Drinking and Irrigation. Sustainability, 2020, 12, 177.	1.6	104
5	Modeling Pan Evaporation Using Gaussian Process Regression K-Nearest Neighbors Random Forest and Support Vector Machines; Comparative Analysis. Atmosphere, 2020, 11, 66.	1.0	101
6	Modeling monthly pan evaporation using wavelet support vector regression and wavelet artificial neural networks in arid and humid climates. Engineering Applications of Computational Fluid Mechanics, 2019, 13, 177-187.	1.5	86
7	Wavelet neural networks and gene expression programming models to predict short-term soil temperature at different depths. Soil and Tillage Research, 2018, 175, 37-50.	2.6	74
8	Estimating Daily Dew Point Temperature Using Machine Learning Algorithms. Water (Switzerland), 2019, 11, 582.	1.2	73
9	Estimating longitudinal dispersion coefficient in natural streams using empirical models and machine learning algorithms. Engineering Applications of Computational Fluid Mechanics, 2020, 14, 311-322.	1.5	66
10	Support Vector Regression Integrated with Fruit Fly Optimization Algorithm for River Flow Forecasting in Lake Urmia Basin. Water (Switzerland), 2019, 11, 1934.	1.2	59
11	Can Decomposition Approaches Always Enhance Soft Computing Models? Predicting the Dissolved Oxygen Concentration in the St. Johns River, Florida. Applied Sciences (Switzerland), 2019, 9, 2534.	1.3	53
12	Daily global solar radiation modeling using data-driven techniques and empirical equations in a semi-arid climate. Engineering Applications of Computational Fluid Mechanics, 2019, 13, 142-157.	1.5	50
13	Annual Rainfall Forecasting Using Hybrid Artificial Intelligence Model: Integration of Multilayer Perceptron with Whale Optimization Algorithm. Water Resources Management, 2020, 34, 733-746.	1.9	46
14	Forecasting soil temperature at multiple-depth with a hybrid artificial neural network model coupled-hybrid firefly optimizer algorithm. Information Processing in Agriculture, 2018, 5, 465-476.	2.9	45
15	Gene expression programming analysis of implicit Colebrook's White equation in turbulent flow friction factor calculation. Journal of Petroleum Science and Engineering, 2012, 92-93, 48-55.	2.1	37
16	Groundwater level prediction in arid areas using wavelet analysis and Gaussian process regression. Engineering Applications of Computational Fluid Mechanics, 2021, 15, 1147-1158.	1.5	36
17	Sediment transport modeling in open channels using neuro-fuzzy and gene expression programming techniques. Water Science and Technology, 2019, 79, 2318-2327.	1.2	29
18	Comparative study of multilayer perceptron-stochastic gradient descent and gradient boosted trees for predicting daily suspended sediment load: The case study of the Mississippi River, U.S.. International Journal of Sediment Research, 2021, 36, 512-523.	1.8	26

#	ARTICLE	IF	CITATIONS
19	Comparative analysis of hybrid models of firefly optimization algorithm with support vector machines and multilayer perceptron for predicting soil temperature at different depths. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2020, 14, 939-953.	1.5	24
20	Determining Flow Friction Factor in Irrigation Pipes Using Data Mining and Artificial Intelligence Approaches. <i>Applied Artificial Intelligence</i> , 2014, 28, 793-813.	2.0	23
21	Performance evaluation of ANNs and an M5 model tree in Sattarkhan Reservoir inflow prediction. <i>ISH Journal of Hydraulic Engineering</i> , 2017, 23, 283-292.	1.1	21
22	Estimating soil wetting patterns for drip irrigation using genetic programming. <i>Spanish Journal of Agricultural Research</i> , 2012, 10, 1155.	0.3	21
23	Predicting soil electrical conductivity using multi-layer perceptron integrated with grey wolf optimizer. <i>Journal of Geochemical Exploration</i> , 2021, 220, 106639.	1.5	18
24	Estimation of monthly and seasonal precipitation: A comparative study using data-driven methods versus hybrid approach. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 173, 108512.	2.5	13
25	Water temperature prediction in a subtropical subalpine lake using soft computing techniques. <i>Earth Sciences Research Journal</i> , 2016, 20, 1.	0.4	13
26	Hybrid models for suspended sediment prediction: optimized random forest and multi-layer perceptron through genetic algorithm and stochastic gradient descent methods. <i>Neural Computing and Applications</i> , 2022, 34, 3033-3051.	3.2	13
27	Continuous monitoring of suspended sediment concentrations using image analytics and deriving inherent correlations by machine learning. <i>Scientific Reports</i> , 2020, 10, 8589.	1.6	12
28	Comparison of machine learning techniques for predicting porosity of chalk. <i>Journal of Petroleum Science and Engineering</i> , 2022, 209, 109853.	2.1	10
29	Spatial analysis of groundwater electrical conductivity using ordinary kriging and artificial intelligence methods (Case study: Tabriz plain, Iran). <i>Geofizika</i> , 2015, , 192-208.	0.1	9
30	Monthly and seasonal hydrological drought forecasting using multiple extreme learning machine models. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2022, 16, 1364-1381.	1.5	9
31	Estimating Daily Reference Evapotranspiration using Data Mining Methods of Support Vector Regression and M5 Model Tree. <i>Journal of Watershed Management Research</i> , 2019, 9, 157-167.	0.0	6
32	Modeling and optimization of coagulant dosage in water treatment plants using hybridized random forest model with genetic algorithm optimization. <i>Environment, Development and Sustainability</i> , 2023, 25, 11189-11207.	2.7	6
33	Application of support vector regression integrated with firefly optimization algorithm for predicting global solar radiation. <i>Journal of Energy Systems</i> , 2018, 2, 180-189.	0.8	5
34	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.	1.5	5
35	Evaluation of classification and decision trees in predicting daily precipitation occurrences. <i>Water Science and Technology: Water Supply</i> , 2022, 22, 3879-3895.	1.0	4
36	Intelligent analysis of global warming effects on sea surface temperature in Hormuzgan Coast, Persian Gulf. <i>International Journal of Global Warming</i> , 2016, 9, 452.	0.2	3

#	ARTICLE	IF	CITATIONS
37	Evaluation of deep machine learning-based models of soil cumulative infiltration. Earth Science Informatics, 2022, 15, 1861-1877.	1.6	2
38	Simulation of water movement and its distribution in a soil column under a water source using pore - scale network modelling. E3S Web of Conferences, 2016, 9, 16001.	0.2	0