Saeed Samadianfard

List of Publications by Year
in descending order

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	Modeling and optimization of coagulant dosageÂin water treatment plantsÂusing hybridized random forest model with genetic algorithm optimization. Environment, Development and Sustainability, 2023, 25, 11189-11207.	2.7	6
2	Hybrid models for suspended sediment prediction: optimized random forest and multi-layer perceptron through genetic algorithm and stochastic gradient descent methods. Neural Computing and Applications, 2022, 34, 3033-3051.	3.2	13
3	Comparison of machine learning techniques for predicting porosity of chalk. Journal of Petroleum Science and Engineering, 2022, 209, 109853.	2.1	10
4	Evaluation of classification and decision trees in predicting daily precipitation occurrences. Water Science and Technology: Water Supply, 2022, 22, 3879-3895.	1.0	4
5	Monthly and seasonal hydrological drought forecasting using multiple extreme learning machine models. Engineering Applications of Computational Fluid Mechanics, 2022, 16, 1364-1381.	1.5	9
6	Evaluation of deep machine learning-based models of soil cumulative infiltration. Earth Science Informatics, 2022, 15, 1861-1877.	1.6	2
7	Estimation of monthly and seasonal precipitation: A comparative study using data-driven methods versus hybrid approach. Measurement: Journal of the International Measurement Confederation, 2021, 173, 108512.	2.5	13
8	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
9	Predicting soil electrical conductivity using multi-layer perceptron integrated with grey wolf optimizer. Journal of Geochemical Exploration, 2021, 220, 106639.	1.5	18
10	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
11	Forecasting the discharge capacity of inflatable rubber dams using hybrid machine learning models. Engineering Applications of Computational Fluid Mechanics, 2021, 15, 1761-1774.	1.5	5
12	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
13	Groundwater Quality Assessment for Sustainable Drinking and Irrigation. Sustainability, 2020, 12, 177.	1.6	104
14	Comparative analysis of hybrid models of firefly optimization algorithm with support vector machines and multilayer perceptron for predicting soil temperature at different depths. Engineering Applications of Computational Fluid Mechanics, 2020, 14, 939-953.	1.5	24
15	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
16	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
17	Predicting Standardized Streamflow index for hydrological drought using machine learning models. Engineering Applications of Computational Fluid Mechanics, 2020, 14, 339-350.	1.5	171
18	Continuous monitoring of suspended sediment concentrations using image analytics and deriving inherent correlations by machine learning. Scientific Reports, 2020, 10, 8589.	1.6	12

#	Article	IF	Citations
19	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
20	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
21	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
22	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
23	Estimating Daily Dew Point Temperature Using Machine Learning Algorithms. Water (Switzerland), 2019, 11, 582.	1.2	73
24	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
25	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
26	Estimating Daily Reference Evapotranspiration using Data Mining Methods of Support Vector Regression and M5 Model Tree. Journal of Watershed Management Research, 2019, 9, 157-167.	0.0	6
27	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
28	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
29	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
30	Application of support vector regression integrated with firefly optimization algorithm for predicting global solar radiation. Journal of Energy Systems, 2018, 2, 180-189.	0.8	5
31	Performance evaluation of ANNs and an M5 model tree in Sattarkhan Reservoir inflow prediction. ISH Journal of Hydraulic Engineering, 2017, 23, 283-292.	1.1	21
32	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
33	Intelligent analysis of global warming effects on sea surface temperature in Hormuzgan Coast, Persian Gulf. International Journal of Global Warming, 2016, 9, 452.	0.2	3
34	Water temperature prediction in a subtropical subalpine lake using soft computing techniques. Earth Sciences Research Journal, 2016, 20, 1.	0.4	13
35	Spatial analysis of groundwater electrical conductivity using ordinary kriging and artificial intelligence methods (Case study: Tabriz plain, Iran). Geofizika, 2015, , 192-208.	0.1	9
36	Determining Flow Friction Factor in Irrigation Pipes Using Data Mining and Artificial Intelligence Approaches. Applied Artificial Intelligence, 2014, 28, 793-813.	2.0	23

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37	Gene expression programming analysis of implicit Colebrook–White equation in turbulent flow friction factor calculation. Journal of Petroleum Science and Engineering, 2012, 92-93, 48-55.	2.1	37
38	Estimating soil wetting patterns for drip irrigation using genetic programming. Spanish Journal of Agricultural Research, 2012, 10, 1155.	0.3	21