

Hossein Riahi Madavar

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

748
citations

687220

13
h-index

752573

20
g-index

21
all docs

21
docs citations

21
times ranked

659
citing authors

#	ARTICLE	IF	CITATIONS
1	Prediction of Hydropower Generation Using Grey Wolf Optimization Adaptive Neuro-Fuzzy Inference System. <i>Energies</i> , 2019, 12, 289.	1.6	151
2	An expert system for predicting longitudinal dispersion coefficient in natural streams by using ANFIS. <i>Expert Systems With Applications</i> , 2009, 36, 8589-8596.	4.4	91
3	Novel hybrid linear stochastic with non-linear extreme learning machine methods for forecasting monthly rainfall a tropical climate. <i>Journal of Environmental Management</i> , 2018, 222, 190-206.	3.8	82
4	Novel forecasting models for immediate-short-term to long-term influent flow prediction by combining ANFIS and grey wolf optimization. <i>Journal of Hydrology</i> , 2019, 576, 698-725.	2.3	75
5	Combination of sensitivity and uncertainty analyses for sediment transport modeling in sewer pipes. <i>International Journal of Sediment Research</i> , 2020, 35, 157-170.	1.8	47
6	Comparative analysis of soft computing techniques RBF, MLP, and ANFIS with MLR and MNLR for predicting grade-control scour hole geometry. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2019, 13, 529-550.	1.5	39
7	Developing an expert system for predicting alluvial channel geometry using ANN. <i>Expert Systems With Applications</i> , 2011, 38, 215-222.	4.4	38
8	Uncertainty analysis in bed load transport prediction of gravel bed rivers by ANN and ANFIS. <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	0.6	36
9	Short to Long-Term Forecasting of River Flows by Heuristic Optimization Algorithms Hybridized with ANFIS. <i>Water Resources Management</i> , 2021, 35, 1149-1166.	1.9	33
10	Pareto Optimal Multigene Genetic Programming for Prediction of Longitudinal Dispersion Coefficient. <i>Water Resources Management</i> , 2019, 33, 905-921.	1.9	31
11	Improving one-dimensional pollution dispersion modeling in rivers using ANFIS and ANN-based GA optimized models. <i>Environmental Science and Pollution Research</i> , 2019, 26, 867-885.	2.7	28
12	A novel equation for longitudinal dispersion coefficient prediction based on the hybrid of SSMD and whale optimization algorithm. <i>Science of the Total Environment</i> , 2020, 716, 137007.	3.9	28
13	Derivation of Optimized Equations for Estimation of Dispersion Coefficient in Natural Streams Using Hybridized ANN With PSO and CSO Algorithms. <i>IEEE Access</i> , 2020, 8, 156582-156599.	2.6	22
14	Improvements in the Explicit Estimation of Pollutant Dispersion Coefficient in Rivers by Subset Selection of Maximum Dissimilarity Hybridized With ANFIS-Firefly Algorithm (FFA). <i>IEEE Access</i> , 2020, 8, 60314-60337.	2.6	13
15	A predictive equation for residual strength using a hybrid of subset selection of maximum dissimilarity method with Pareto optimal multi-gene genetic programming. <i>Geoscience Frontiers</i> , 2021, 12, 101222.	4.3	9
16	A novel approach for longitudinal dispersion coefficient estimation via tri-variate archimedean copulas. <i>Journal of Hydrology</i> , 2020, 584, 124662.	2.3	8
17	Uncertainty Analysis of Quasi-Two-Dimensional Flow Simulation in Compound Channels with Overbank Flows. <i>Journal of Hydrology and Hydromechanics</i> , 2011, 59, .	0.7	7
18	Developing a mathematical framework in preliminary designing of detention rockfill dams for flood peak reduction. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2019, 13, 1119-1129.	1.5	6

#	ARTICLE	IF	CITATIONS
19	Comparative uncertainty analysis of soft computing models predicting scour depth downstream of grade-control structures. <i>Arabian Journal of Geosciences</i> , 2022, 15, 1.	0.6	3