Hossein Riahi Madavar

List of Publications by Year
in descending order

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		687220	752573
19	748	13	20
papers	citations	h-index	g-index

21	21	21	659
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comparative uncertainty analysis of soft computing models predicting scour depth downstream of grade-control structures. Arabian Journal of Geosciences, 2022, 15, 1.	0.6	3
2	Short to Long-Term Forecasting of River Flows by Heuristic Optimization Algorithms Hybridized with ANFIS. Water Resources Management, 2021, 35, 1149-1166.	1.9	33
3	A predictive equation for residual strength using a hybrid of subset selection of maximum dissimilarity method with Pareto optimal multi-gene genetic programming. Geoscience Frontiers, 2021, 12, 101222.	4.3	9
4	Combination of sensitivity and uncertainty analyses for sediment transport modeling in sewer pipes. International Journal of Sediment Research, 2020, 35, 157-170.	1.8	47
5	Derivation of Optimized Equations for Estimation of Dispersion Coefficient in Natural Streams Using Hybridized ANN With PSO and CSO Algorithms. IEEE Access, 2020, 8, 156582-156599.	2.6	22
6	Improvements in the Explicit Estimation of Pollutant Dispersion Coefficient in Rivers by Subset Selection of Maximum Dissimilarity Hybridized With ANFIS-Firefly Algorithm (FFA). IEEE Access, 2020, 8, 60314-60337.	2.6	13
7	A novel approach for longitudinal dispersion coefficient estimation via tri-variate archimedean copulas. Journal of Hydrology, 2020, 584, 124662.	2.3	8
8	A novel equation for longitudinal dispersion coefficient prediction based on the hybrid of SSMD and whale optimization algorithm. Science of the Total Environment, 2020, 716, 137007.	3.9	28
9	Developing a mathematical framework in preliminary designing of detention rockfill dams for flood peak reduction. Engineering Applications of Computational Fluid Mechanics, 2019, 13, 1119-1129.	1.5	6
10	Pareto Optimal Multigene Genetic Programming for Prediction of Longitudinal Dispersion Coefficient. Water Resources Management, 2019, 33, 905-921.	1.9	31
11	Prediction of Hydropower Generation Using Grey Wolf Optimization Adaptive Neuro-Fuzzy Inference System. Energies, 2019, 12, 289.	1.6	151
12	Comparative analysis of soft computing techniques RBF, MLP, and ANFIS with MLR and MNLR for predicting grade-control scour hole geometry. Engineering Applications of Computational Fluid Mechanics, 2019, 13, 529-550.	1.5	39
13	Novel forecasting models for immediate-short-term to long-term influent flow prediction by combining ANFIS and grey wolf optimization. Journal of Hydrology, 2019, 576, 698-725.	2.3	75
14	Improving one-dimensional pollution dispersion modeling in rivers using ANFIS and ANN-based GA optimized models. Environmental Science and Pollution Research, 2019, 26, 867-885.	2.7	28
15	Uncertainty analysis in bed load transport prediction of gravel bed rivers by ANN and ANFIS. Arabian Journal of Geosciences, 2018, 11, 1.	0.6	36
16	Novel hybrid linear stochastic with non-linear extreme learning machine methods for forecasting monthly rainfall a tropical climate. Journal of Environmental Management, 2018, 222, 190-206.	3.8	82
17	Uncertainty Analysis of Quasi-Two-Dimensional Flow Simulation in Compound Channels with Overbank Flows. Journal of Hydrology and Hydromechanics, 2011, 59, .	0.7	7
18	Developing an expert system for predicting alluvial channel geometry using ANN. Expert Systems With Applications, 2011, 38, 215-222.	4.4	38

#	Article	IF	Citations
19	An expert system for predicting longitudinal dispersion coefficient in natural streams by using ANFIS. Expert Systems With Applications, 2009, 36, 8589-8596.	4.4	91