Ahmed M A Sattar

List of Publications by Year
in descending order

33 papers	999 citations	516215 16 h-index	454577 30 g-index
33 all docs	33 docs citations	33 times ranked	835 citing authors

#	Article	IF	Citations
1	Performance assessment of lift-based turbine for small-scale power generation in water pipelines using OpenFOAM. Engineering Applications of Computational Fluid Mechanics, 2022, 16, 536-550.	1.5	5
2	Integrated preprocessing techniques with linear stochastic approaches in groundwater level forecasting. Acta Geophysica, 2021, 69, 1395-1411.	1.0	23
3	Development of robust evolutionary polynomial regression network in the estimation of stable alluvial channel dimensions. Geomorphology, 2020, 350, 106895.	1.1	9
4	Hydraulic Modeling and Evaluation Equations for the Incipient Motion of Sandbags for Levee Breach Closure Operations. Water (Switzerland), 2019, 11, 279.	1.2	11
5	Preliminary sizing of surge vessels on pumping mains. Urban Water Journal, 2019, 16, 738-748.	1.0	4
6	Artificial intelligence models for prediction of the aeration efficiency of the stepped weir. Flow Measurement and Instrumentation, 2019, 65, 78-89.	1.0	29
7	Empirical models for longitudinal dispersion coefficient in natural streams. Journal of Hydrology, 2019, 575, 1359-1361.	2.3	11
8	Extreme learning machine model for water network management. Neural Computing and Applications, 2019, 31, 157-169.	3.2	99
9	Soil Aquifer Treatment System Design Equation for Organic Micropollutant Removal. Handbook of Environmental Chemistry, 2018, , 307-326.	0.2	3
10	Wind-Induced Air-Flow Patterns in an Urban Setting: Observations and Numerical Modeling. Pure and Applied Geophysics, 2018, 175, 3051-3068.	0.8	8
11	Scour depth model for grade-control structures. Journal of Hydroinformatics, 2018, 20, 117-133.	1.1	16
12	Genetic programming in water resources engineering: A state-of-the-art review. Journal of Hydrology, 2018, 566, 643-667.	2.3	110
13	Urban stormwater thermal gene expression models for protection of sensitive receiving streams. Hydrological Processes, 2017, 31, 2330-2348.	1.1	22
14	Prediction of flow duration curves for ungauged basins. Journal of Hydrology, 2017, 545, 383-394.	2.3	74
15	Prediction of scour depth around bridge piers using self-adaptive extreme learning machine. Journal of Hydroinformatics, 2017, 19, 207-224.	1.1	56
16	Three dimensional modeling of free surface flow and sediment transport with bed deformation using automatic mesh motion. Environmental Modelling and Software, 2017, 97, 303-317.	1.9	9
17	Stochastic Solution to the Water Hammer Equations Using Polynomial Chaos Expansion with Random Boundary and Initial Conditions. Journal of Hydraulic Engineering, 2017, 143, .	0.7	11
18	Gene Expression Programming in Open Channel Hydraulics. , 2017, , 196-211.		1

#	Article	IF	Citations
19	Prediction of Organic Micropollutant Removal in Soil Aquifer Treatment System Using GEP. Journal of Hydrologic Engineering - ASCE, 2016, 21, .	0.8	21
20	Bed Morphological Changes of the Nile River DS Major Barrages. Handbook of Environmental Chemistry, 2016, , 171-186.	0.2	0
21	Closure to â€œGene Expression Models for the Prediction of Longitudinal Dispersion Coefficients in Transitional and Turbulent Pipe Flowâ€•by Ahmed M. A. Sattar. Journal of Pipeline Systems Engineering and Practice, 2016, 7, 07016002.	0.9	2
22	Event-based stormwater management pond runoff temperature model. Journal of Hydrology, 2016, 540, 306-316.	2.3	29
23	A probabilistic projection of the transient flow equations with random system parameters and internal boundary conditions. Journal of Hydraulic Research/De Recherches Hydrauliques, 2016, 54, 342-359.	0.7	16
24	Prediction of Timing of Watermain Failure Using Gene Expression Models. Water Resources Management, 2016, 30, 1635-1651.	1.9	48
25	Event-based total suspended sediment particle size distribution model. Journal of Hydrology, 2016, 536, 236-246.	2.3	50
26	An entrainment model for nonâ€uniform sediment. Earth Surface Processes and Landforms, 2015, 40, 1216-1226.	1.2	23
27	Gene expression models for prediction of longitudinal dispersion coefficient in streams. Journal of Hydrology, 2015, 524, 587-596.	2.3	112
28	Neuro-Fuzzy GMDH Approach to Predict Longitudinal Dispersion in Water Networks. Water Resources Management, 2015, 29, 2205-2219.	1.9	60
29	Gene Expression Models for the Prediction of Longitudinal Dispersion Coefficients in Transitional and Turbulent Pipe Flow. Journal of Pipeline Systems Engineering and Practice, 2014, 5, .	0.9	73
30	Gene expression models for prediction of dam breach parameters. Journal of Hydroinformatics, 2014, 16, 550-571.	1.1	50
31	Predicting morphological changes DS New Naga-Hammadi Barrage for extreme Nile flood flows: A Monte Carlo analysis. Journal of Advanced Research, 2014, 5, 97-107.	4.4	11
32	Using Gene Expression Programming to Determine the Impact of Minerals on Erosion Resistance of Selected Cohesive Egyptian Soils. GeoPlanet: Earth and Planetary Sciences, 2013, , 375-387.	0.2	3
33	Experimental Investigation of Flood Waves from Open-Channel Levee Breach. GeoPlanet: Earth and Planetary Sciences, 2013, , 221-235.	0.2	0