

Ahmed M A Sattar

List of Publications by Year in descending order

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33
papers

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516215

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33
docs citations

33
times ranked

835
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Gene expression models for prediction of longitudinal dispersion coefficient in streams. Journal of Hydrology, 2015, 524, 587-596. | 2.3 | 112 |
| 2 | Genetic programming in water resources engineering: A state-of-the-art review. Journal of Hydrology, 2018, 566, 643-667. | 2.3 | 110 |
| 3 | Extreme learning machine model for water network management. Neural Computing and Applications, 2019, 31, 157-169. | 3.2 | 99 |
| 4 | Prediction of flow duration curves for ungauged basins. Journal of Hydrology, 2017, 545, 383-394. | 2.3 | 74 |
| 5 | 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 |
| 6 | Neuro-Fuzzy GMDH Approach to Predict Longitudinal Dispersion in Water Networks. Water Resources Management, 2015, 29, 2205-2219. | 1.9 | 60 |
| 7 | Prediction of scour depth around bridge piers using self-adaptive extreme learning machine. Journal of Hydroinformatics, 2017, 19, 207-224. | 1.1 | 56 |
| 8 | Gene expression models for prediction of dam breach parameters. Journal of Hydroinformatics, 2014, 16, 550-571. | 1.1 | 50 |
| 9 | Event-based total suspended sediment particle size distribution model. Journal of Hydrology, 2016, 536, 236-246. | 2.3 | 50 |
| 10 | Prediction of Timing of Watermain Failure Using Gene Expression Models. Water Resources Management, 2016, 30, 1635-1651. | 1.9 | 48 |
| 11 | Event-based stormwater management pond runoff temperature model. Journal of Hydrology, 2016, 540, 306-316. | 2.3 | 29 |
| 12 | Artificial intelligence models for prediction of the aeration efficiency of the stepped weir. Flow Measurement and Instrumentation, 2019, 65, 78-89. | 1.0 | 29 |
| 13 | An entrainment model for non-uniform sediment. Earth Surface Processes and Landforms, 2015, 40, 1216-1226. | 1.2 | 23 |
| 14 | Integrated preprocessing techniques with linear stochastic approaches in groundwater level forecasting. Acta Geophysica, 2021, 69, 1395-1411. | 1.0 | 23 |
| 15 | Urban stormwater thermal gene expression models for protection of sensitive receiving streams. Hydrological Processes, 2017, 31, 2330-2348. | 1.1 | 22 |
| 16 | Prediction of Organic Micropollutant Removal in Soil Aquifer Treatment System Using GEP. Journal of Hydrologic Engineering - ASCE, 2016, 21, . | 0.8 | 21 |
| 17 | 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 |
| 18 | Scour depth model for grade-control structures. Journal of Hydroinformatics, 2018, 20, 117-133. | 1.1 | 16 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | Hydraulic Modeling and Evaluation Equations for the Incipient Motion of Sandbags for Levee Breach Closure Operations. Water (Switzerland), 2019, 11, 279. | 1.2 | 11 |
| 22 | Empirical models for longitudinal dispersion coefficient in natural streams. Journal of Hydrology, 2019, 575, 1359-1361. | 2.3 | 11 |
| 23 | 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 |
| 24 | Development of robust evolutionary polynomial regression network in the estimation of stable alluvial channel dimensions. Geomorphology, 2020, 350, 106895. | 1.1 | 9 |
| 25 | Wind-Induced Air-Flow Patterns in an Urban Setting: Observations and Numerical Modeling. Pure and Applied Geophysics, 2018, 175, 3051-3068. | 0.8 | 8 |
| 26 | 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 |
| 27 | Preliminary sizing of surge vessels on pumping mains. Urban Water Journal, 2019, 16, 738-748. | 1.0 | 4 |
| 28 | Soil Aquifer Treatment System Design Equation for Organic Micropollutant Removal. Handbook of Environmental Chemistry, 2018, , 307-326. | 0.2 | 3 |
| 29 | 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 |
| 30 | Closure to "Gene Expression Models for the Prediction of Longitudinal Dispersion Coefficients in Transitional and Turbulent Pipe Flow" by Ahmed M. A. Sattar. Journal of Pipeline Systems Engineering and Practice, 2016, 7, 07016002. | 0.9 | 2 |
| 31 | Gene Expression Programming in Open Channel Hydraulics. , 2017, , 196-211. | | 1 |
| 32 | Bed Morphological Changes of the Nile River DS Major Barrages. Handbook of Environmental Chemistry, 2016, , 171-186. | 0.2 | 0 |
| 33 | Experimental Investigation of Flood Waves from Open-Channel Levee Breach. GeoPlanet: Earth and Planetary Sciences, 2013, , 221-235. | 0.2 | 0 |