

# Isa Ebtehaj

## List of Publications by Year in descending order

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214  
papers

6,257  
citations

53660

45  
h-index

114278

63  
g-index

221  
all docs

221  
docs citations

221  
times ranked

3500  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Guidance on field survey programme design for basement flooding assessment. Hydrological Sciences Journal, 2022, 67, 2524-2533.  | 1.2 | 4         |
| 2  | A novel boosting ensemble committee-based model for local scour depth around non-uniformly spaced pile groups. Engineering With Computers, 2022, 38, 3439-3461.  | 3.5 | 19        |
| 3  | Early detection of riverine flooding events using the group method of data handling for the Bow River, Alberta, Canada. International Journal of River Basin Management, 2022, 20, 533-544.                                      | 1.5 | 14        |
| 4  | Machine Learning to Predict Area Fugitive Emission Fluxes of GHGs from Open-Pit Mines. Atmosphere, 2022, 13, 210.  | 1.0 | 4         |
| 5  | An expert system for predicting the infiltration characteristics. Water Science and Technology: Water Supply, 2022, 22, 2847-2862.   | 1.0 | 4         |
| 6  | The Discharge Forecasting of Multiple Monitoring Station for Humber River by Hybrid LSTM Models. Water (Switzerland), 2022, 14, 1794.  | 1.2 | 16        |
| 7  | Novel Hybrid Statistical Learning Framework Coupled with Random Forest and Grasshopper Optimization Algorithm to Forecast Pesticide Use on Golf Courses. Agriculture (Switzerland), 2022, 12, 933.                               | 1.4 | 8         |
| 8  | Gene expression programming-based approach for predicting the roller length of a hydraulic jump on a rough bed. ISH Journal of Hydraulic Engineering, 2021, 27, 77-87.   | 1.1 | 24        |
| 9  | Modelling daily soil temperature by hydro-meteorological data at different depths using a novel data-intelligence model: deep echo state network model. Artificial Intelligence Review, 2021, 54, 2863-2890.                     | 9.7 | 21        |
| 10 | Forecasting monthly fluctuations of lake surface areas using remote sensing techniques and novel machine learning methods. Theoretical and Applied Climatology, 2021, 143, 713-735.  | 1.3 | 24        |
| 11 | Evolutionary optimization of neural network to predict sediment transport without sedimentation. Complex & Intelligent Systems, 2021, 7, 401-416.  | 4.0 | 14        |
| 12 | Prediction of Discharge Capacity of Labyrinth Weir with Gene Expression Programming. Advances in Intelligent Systems and Computing, 2021, , 202-217.   | 0.5 | 6         |
| 13 | Pareto design of multiobjective evolutionary neuro-fuzzy system for predicting scour depth around bridge piers. , 2021, , 491-517.   |     | 2         |
| 14 | River flow forecasting using stochastic and neuro-fuzzy-embedded technique: a comprehensive preprocessing-based assessment. , 2021, , 519-549.   |     | 4         |
| 15 | 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        |
| 16 | A Modified Distributed CN-VSA Method for Mapping of the Seasonally Variable Source Areas. Water (Switzerland), 2021, 13, 1270.   | 1.2 | 2         |
| 17 | Mapping the spatial and temporal variability of flood susceptibility using remotely sensed normalized difference vegetation index and the forecasted changes in the future. Science of the Total Environment, 2021, 770, 145288. | 3.9 | 34        |
| 18 | Flood Risk Management with Transboundary Conflict and Cooperation Dynamics in the Kabul River Basin. Water (Switzerland), 2021, 13, 1513.  | 1.2 | 11        |

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|----|--|-----|-----------|
| 19 | Integrated preprocessing techniques with linear stochastic approaches in groundwater level forecasting. <i>Acta Geophysica</i> , 2021, 69, 1395-1411.  | 1.0 | 23        |
| 20 | Discussion of "Comparative Study of Time Series Models, Support Vector Machines, and GMDH in Forecasting Long-Term Evapotranspiration Rates in Northern Iran" by Afshin Ashrafzadeh, Ozgur Kiyi, Pouya Aghelpour, Seyed Mostafa Biazar, and Mohammadreza Askarizad Masouleh. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2021, 147, . | 0.6 | 7         |
| 21 | Evaluating Parshall flume aeration with experimental observations and advance soft computing techniques. <i>Neural Computing and Applications</i> , 2021, 33, 17257-17271.   | 3.2 | 12        |
| 22 | GLUE uncertainty analysis of hybrid models for predicting hourly soil temperature and application wavelet coherence analysis for correlation with meteorological variables. <i>Soft Computing</i> , 2021, 25, 10723-10748.   | 2.1 | 22        |
| 23 | Uncertainty Assessment of Entropy-Based Circular Channel Shear Stress Prediction Models Using a Novel Method. <i>Geosciences (Switzerland)</i> , 2021, 11, 308.  | 1.0 | 1         |
| 24 | Prognostication of Shortwave Radiation Using an Improved No-Tuned Fast Machine Learning. <i>Sustainability</i> , 2021, 13, 8009.   | 1.6 | 21        |
| 25 | Modelling dry-weather temperature profiles in urban stormwater management ponds. <i>Journal of Hydrology</i> , 2021, 598, 126206.  | 2.3 | 7         |
| 26 | Dust Emissions Management Model for Construction Sites. <i>Journal of Construction Engineering and Management - ASCE</i> , 2021, 147, .  | 2.0 | 3         |
| 27 | Discussion of "Time-Series Prediction of Streamflows of Malaysian Rivers Using Data-Driven Techniques" by Siraj Muhammed Pandhiani, Parveen Sihag, Ani Bin Shabri, Balraj Singh, and Quoc Bao Pham. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2021, 147, .  | 0.6 | 6         |
| 28 | Machine Learning Models for Predicting Water Quality of Treated Fruit and Vegetable Wastewater. <i>Water (Switzerland)</i> , 2021, 13, 2485.   | 1.2 | 9         |
| 29 | The Role of Large Dams in a Transboundary Drought Management Co-Operation Framework" Case Study of the Kabul River Basin. <i>Water (Switzerland)</i> , 2021, 13, 2628.   | 1.2 | 8         |
| 30 | A group Multi-Criteria Decision-Making method for water supply choice optimization. <i>Socio-Economic Planning Sciences</i> , 2021, 77, 101006.  | 2.5 | 22        |
| 31 | Hourly road pavement surface temperature forecasting using deep learning models. <i>Journal of Hydrology</i> , 2021, 603, 126877.  | 2.3 | 29        |
| 32 | Discussion of "ANFIS Modeling with ICA, BBO, TLBO, and IWO Optimization Algorithms and Sensitivity Analysis for Predicting Daily Reference Evapotranspiration" by Maryam Zeinolabedini Rezaabad, Sadegh Ghazanfari, and Maryam Salajegheh. <i>Journal of Hydrologic Engineering - ASCE</i> , 2021, 26, .   | 0.8 | 3         |
| 33 | Discussion of "Model Development for Estimation of Sediment Removal Efficiency of Settling Basins Using Group Methods of Data Handling" by Faisal Ahmad, Mujib Ahmad Ansari, Ajmal Hussain, and Jahangeer Jahangeer. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2021, 147, 07021021.   | 0.6 | 2         |
| 34 | Pareto Multiobjective Bioinspired Optimization of Neuro-Fuzzy Technique for Predicting Sediment Transport in Sewer Pipe. , 2021, , 131-144.  |     | 2         |
| 35 | A dynamic prediction model for time-to-peak. <i>Hydrological Processes</i> , 2021, 35, .   | 1.1 | 2         |
| 36 | Prediction of daily water level using new hybridized GS-GMDH and ANFIS-FCM models. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2021, 15, 1343-1361.   | 1.5 | 30        |

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|----|--|-----|-----------|
| 37 | An Assessment of Extreme Learning Machine Model for Estimation of Flow Variables in Curved Irrigation Channels. Lecture Notes in Networks and Systems, 2021, , 259-269.  | 0.5 | 0         |
| 38 | Evaluation of preprocessing techniques for improving the accuracy of stochastic rainfall forecast models. International Journal of Environmental Science and Technology, 2020, 17, 505-524.                                | 1.8 | 33        |
| 39 | More accurate prediction of the complex velocity field in sewers based on uncertainty analysis using extreme learning machine technique. ISH Journal of Hydraulic Engineering, 2020, 26, 409-420.                          | 1.1 | 5         |
| 40 | Investigation of a new shock damper system efficiency in reducing water hammer excess pressure due to the sudden closure of a control valve. ISH Journal of Hydraulic Engineering, 2020, 26, 258-266.                      | 1.1 | 8         |
| 41 | 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        |
| 42 | The uncertainty of the Shannon entropy model for shear stress distribution in circular channels. International Journal of Sediment Research, 2020, 35, 57-68.  | 1.8 | 9         |
| 43 | An expert system for predicting the velocity field in narrow open channel flows using self-adaptive extreme learning machines. Measurement: Journal of the International Measurement Confederation, 2020, 151, 107202.     | 2.5 | 16        |
| 44 | Development of robust evolutionary polynomial regression network in the estimation of stable alluvial channel dimensions. Geomorphology, 2020, 350, 106895.  | 1.1 | 9         |
| 45 | Reliability and sensitivity analysis of robust learning machine in prediction of bank profile morphology of threshold sand rivers. Measurement: Journal of the International Measurement Confederation, 2020, 153, 107411. | 2.5 | 4         |
| 46 | A Comparative Study of Linear Stochastic with Nonlinear Daily River Discharge Forecast Models. Water Resources Management, 2020, 34, 3689-3708.  | 1.9 | 18        |
| 47 | Genetic-Algorithm-Optimized Sequential Model for Water Temperature Prediction. Sustainability, 2020, 12, 5374.   | 1.6 | 50        |
| 48 | Development of a linear based stochastic model for daily soil temperature prediction: One step forward to sustainable agriculture. Computers and Electronics in Agriculture, 2020, 176, 105636.                            | 3.7 | 33        |
| 49 | A novel stochastic wastewater quality modeling based on fuzzy techniques. Journal of Environmental Health Science & Engineering, 2020, 18, 1099-1120.  | 1.4 | 15        |
| 50 | A Novel Comprehensive Evaluation Method for Estimating the Bank Profile Shape and Dimensions of Stable Channels Using the Maximum Entropy Principle. Entropy, 2020, 22, 1218.  | 1.1 | 11        |
| 51 | A Methodology for Forecasting Dissolved Oxygen in Urban Streams. Water (Switzerland), 2020, 12, 2568.  | 1.2 | 20        |
| 52 | A generalized linear stochastic model for lake level prediction. Science of the Total Environment, 2020, 723, 138015.  | 3.9 | 28        |
| 53 | Integrative stochastic model standardization with genetic algorithm for rainfall pattern forecasting in tropical and semi-arid environments. Hydrological Sciences Journal, 2020, 65, 1145-1157.                           | 1.2 | 25        |
| 54 | A Non-Tuned Machine Learning Technique for Abutment Scour Depth in Clear Water Condition. Water (Switzerland), 2020, 12, 301.  | 1.2 | 28        |

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|----|---|-----|-----------|
| 55 | Discussion of "Comparative assessment of time series and artificial intelligence models to estimate monthly streamflow: A local and external data analysis approach" by Saeid Mehdizadeh, Farshad Fathian, Mir Jafar Sadegh Safari and Jan F. Adamowski. <i>Journal of Hydrology</i> , 2020, 583, 124614. | 2.3 | 17        |
| 56 | Development of optimal water supply plan using integrated fuzzy Delphi and fuzzy ELECTRE III methods" Case study of the Gamasiab basin. <i>Expert Systems</i> , 2020, 37, e12568.   | 2.9 | 24        |
| 57 | An experimental and modeling study of evapotranspiration from integrated green roof photovoltaic systems. <i>Ecological Engineering</i> , 2020, 152, 105767.  | 1.6 | 17        |
| 58 | Understanding the dynamic nature of Time-to-Peak in UK streams. <i>Journal of Hydrology</i> , 2020, 583, 124630.  | 2.3 | 15        |
| 59 | Improving the accuracy of a remotely-sensed flood warning system using a multi-objective pre-processing method for signal defects detection and elimination. , 2020, 352, 73-86.  |     | 5         |
| 60 | Sediment transport modeling in rigid boundary open channels using generalize structure of group method of data handling. <i>Journal of Hydrology</i> , 2019, 577, 123951.   | 2.3 | 44        |
| 61 | Modelling Stable Alluvial River Profiles Using Back Propagation-Based Multilayer Neural Networks. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 607-624.   | 0.5 | 2         |
| 62 | Advancing Freshwater Lake Level Forecast Using King's Castle Optimization with Training Sample Adaption and Adaptive Neuro-Fuzzy Inference System. <i>Water Resources Management</i> , 2019, 33, 4215-4230.   | 1.9 | 6         |
| 63 | A reliable linear method for modeling lake level fluctuations. <i>Journal of Hydrology</i> , 2019, 570, 236-250.  | 2.3 | 53        |
| 64 | Lake Water-Level fluctuations forecasting using Minimax Probability Machine Regression, Relevance Vector Machine, Gaussian Process Regression, and Extreme Learning Machine. <i>Water Resources Management</i> , 2019, 33, 3965-3984.   | 1.9 | 63        |
| 65 | Estimating 2-year flood flows using the generalized structure of the Group Method of Data Handling. <i>Journal of Hydrology</i> , 2019, 575, 671-689.   | 2.3 | 52        |
| 66 | A pareto design of evolutionary hybrid optimization of ANFIS model in prediction abutment scour depth. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2019, 44, 1.  | 0.8 | 17        |
| 67 | Quantifying Rainfall-Derived Inflow from Private Foundation Drains in Sanitary Sewers: Case Study in London, Ontario, Canada. <i>Journal of Hydrologic Engineering - ASCE</i> , 2019, 24, 05019023.   | 0.8 | 9         |
| 68 | Implementation of Univariate Paradigm for Streamflow Simulation Using Hybrid Data-Driven Model: Case Study in Tropical Region. <i>IEEE Access</i> , 2019, 7, 74471-74481.   | 2.6 | 76        |
| 69 | Design of radial basis function-based support vector regression in predicting the discharge coefficient of a side weir in a trapezoidal channel. <i>Applied Water Science</i> , 2019, 9, 1.   | 2.8 | 62        |
| 70 | Novel Hybrid Data-Intelligence Model for Forecasting Monthly Rainfall with Uncertainty Analysis. <i>Water (Switzerland)</i> , 2019, 11, 502.  | 1.2 | 78        |
| 71 | Assessment of geomorphological bank evolution of the alluvial threshold rivers based on entropy concept parameters. <i>Hydrological Sciences Journal</i> , 2019, 64, 856-872.   | 1.2 | 17        |
| 72 | Predicting stable alluvial channel profiles using emotional artificial neural networks. <i>Applied Soft Computing Journal</i> , 2019, 78, 420-437.  | 4.1 | 33        |

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|----|--|-----|-----------|
| 73 | Integrated Markov chains and uncertainty analysis techniques to more accurately forecast floods using satellite signals. <i>Journal of Hydrology</i> , 2019, 572, 75-95.   | 2.3 | 27        |
| 74 | Developing an AI-based method for river discharge forecasting using satellite signals. <i>Theoretical and Applied Climatology</i> , 2019, 138, 347-362.  | 1.3 | 10        |
| 75 | Analyzing bank profile shape of alluvial stable channels using robust optimization and evolutionary ANFIS methods. <i>Applied Water Science</i> , 2019, 9, 1.  | 2.8 | 10        |
| 76 | Designing a New Data Intelligence Model for Global Solar Radiation Prediction: Application of Multivariate Modeling Scheme. <i>Energies</i> , 2019, 12, 1365.  | 1.6 | 16        |
| 77 | Predicting wastewater treatment plant quality parameters using a novel hybrid linear-nonlinear methodology. <i>Journal of Environmental Management</i> , 2019, 240, 463-474.   | 3.8 | 71        |
| 78 | Hydraulic Modeling and Evaluation Equations for the Incipient Motion of Sandbags for Levee Breach Closure Operations. <i>Water (Switzerland)</i> , 2019, 11, 279.  | 1.2 | 11        |
| 79 | Modeling unsaturated hydraulic conductivity by hybrid soft computing techniques. <i>Soft Computing</i> , 2019, 23, 12897-12910.  | 2.1 | 39        |
| 80 | Closure to "An integrated framework of extreme learning machines for predicting scour at pile groups in clear water condition" by: I. Ebtehaj, H. Bonakdari, F. Moradi, B. Gharabaghi, Z. Sheikh Khozani. <i>Coastal Engineering</i> , 2019, 147, 135-137.         | 1.7 | 20        |
| 81 | Modeling Performance of Sediment Control Wet Ponds at Two Construction Sites in Ontario, Canada. <i>Journal of Hydraulic Engineering</i> , 2019, 145, .  | 0.7 | 8         |
| 82 | Applying Upstream Satellite Signals and a 2-D Error Minimization Algorithm to Advance Early Warning and Management of Flood Water Levels and River Discharge. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 902-910.                       | 2.7 | 21        |
| 83 | Sensitivity analysis of parameters affecting scour depth around bridge piers based on the non-tuned, rapid extreme learning machine method. <i>Neural Computing and Applications</i> , 2019, 31, 9145-9156.  | 3.2 | 12        |
| 84 | Design of a Hybrid ANFIS" PSO Model to Estimate Sediment Transport in Open Channels. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2019, 43, 851-857.   | 1.0 | 34        |
| 85 | Estimation of the Darcy" Weisbach friction factor for ungauged streams using Gene Expression Programming and Extreme Learning Machines. <i>Journal of Hydrology</i> , 2019, 568, 311-321.  | 2.3 | 34        |
| 86 | Predicting the geometry of regime rivers using M5 model tree, multivariate adaptive regression splines and least square support vector regression methods. <i>International Journal of River Basin Management</i> , 2019, 17, 333-352.                             | 1.5 | 19        |
| 87 | Calculating the energy consumption of electrocoagulation using a generalized structure group method of data handling integrated with a genetic algorithm and singular value decomposition. <i>Clean Technologies and Environmental Policy</i> , 2019, 21, 379-393. | 2.1 | 14        |
| 88 | Prediction of wave runup on beaches using Gene-Expression Programming and empirical relationships. <i>Coastal Engineering</i> , 2019, 144, 47-61.  | 1.7 | 40        |
| 89 | Artificial intelligence models for prediction of the aeration efficiency of the stepped weir. <i>Flow Measurement and Instrumentation</i> , 2019, 65, 78-89.   | 1.0 | 29        |
| 90 | Spatial variability analysis and mapping of soil physical and chemical attributes in a salt-affected soil. <i>Arabian Journal of Geosciences</i> , 2019, 12, 1.  | 0.6 | 17        |

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|-----|---|-----|-----------|
| 91  | A reliable linear stochastic daily soil temperature forecast model. Soil and Tillage Research, 2019, 189, 73-87.  | 2.6 | 71        |
| 92  | Evolutionary Prediction of Biohydrogen Production by Dark Fermentation. Clean - Soil, Air, Water, 2019, 47, 1700494.  | 0.7 | 14        |
| 93  | Abutment scour depth modeling using neuro-fuzzy-embedded techniques. Marine Georesources and Geotechnology, 2019, 37, 190-200.  | 1.2 | 53        |
| 94  | Proposing a novel hybrid intelligent model for the simulation of particle size distribution resulting from blasting. Engineering With Computers, 2019, 35, 47-56.   | 3.5 | 59        |
| 95  | Reliable method of determining stable threshold channel shape using experimental and gene expression programming techniques. Neural Computing and Applications, 2019, 31, 5799-5817.  | 3.2 | 26        |
| 96  | New insights into soil temperature time series modeling: linear or nonlinear?. Theoretical and Applied Climatology, 2019, 135, 1157-1177.   | 1.3 | 62        |
| 97  | Empirical models for longitudinal dispersion coefficient in natural streams. Journal of Hydrology, 2019, 575, 1359-1361.  | 2.3 | 11        |
| 98  | Hybrid Evolutionary Algorithm Based on PSOGA for ANFIS Designing in Prediction of No-Deposition Bed Load Sediment Transport in Sewer Pipe. Advances in Intelligent Systems and Computing, 2019, , 106-118.  | 0.5 | 5         |
| 99  | A HIGHLY EFFICIENT GENE EXPRESSION PROGRAMMING FOR VELOCITY DISTRIBUTION AT COMPOUND SEWER CHANNEL. , 2019, , .   |     | 3         |
| 100 | FIREFLY OPTIMIZATION ALGORITHM EFFECT ON ADAPTIVE NEURO-FUZZY INFERENCE SYSTEMS PREDICTION IMPROVEMENT OF SEDIMENT TRANSPORT IN SEWER SYSTEMS. , 2019, , .  |     | 1         |
| 101 | Closure to "Combination of Computational Fluid Dynamics, Adaptive Neuro-Fuzzy Inference System, and Genetic Algorithm for Predicting Discharge Coefficient of Rectangular Side Orifices" by Hamed Azimi, Saeid Shabanlou, Isa Ebtehaj, Hossein Bonakdari, and Saeid Kardar. Journal of Irrigation and Drainage Engineering - ASCE, 2018, 144, . | 0.6 | 4         |
| 102 | Uncertainty analysis of intelligent model of hybrid genetic algorithm and particle swarm optimization with ANFIS to predict threshold bank profile shape based on digital laser approach sensing. Measurement: Journal of the International Measurement Confederation, 2018, 121, 294-303.  | 2.5 | 58        |
| 103 | Forecasting air quality time series using deep learning. Journal of the Air and Waste Management Association, 2018, 68, 866-886.  | 0.9 | 172       |
| 104 | Wind-Induced Air-Flow Patterns in an Urban Setting: Observations and Numerical Modeling. Pure and Applied Geophysics, 2018, 175, 3051-3068.   | 0.8 | 8         |
| 105 | A methodological approach of predicting threshold channel bank profile by multi-objective evolutionary optimization of ANFIS. Engineering Geology, 2018, 239, 298-309.  | 2.9 | 42        |
| 106 | Remote Sensing Satellite Data Preparation for Simulating and Forecasting River Discharge. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 3432-3441.  | 2.7 | 28        |
| 107 | The optimal dam site selection using a group decision-making method through fuzzy TOPSIS model. Environment Systems and Decisions, 2018, 38, 471-488.   | 1.9 | 33        |
| 108 | An integrated framework of Extreme Learning Machines for predicting scour at pile groups in clear water condition. Coastal Engineering, 2018, 135, 1-15.  | 1.7 | 89        |

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|-----|--|-----|-----------|
| 109 | Predicting Archimedes Screw Generator Power Output Using Artificial Neural Networks. Journal of Hydraulic Engineering, 2018, 144, .  | 0.7 | 5         |
| 110 | Optimizing best management practices to control anthropogenic sources of atmospheric phosphorus deposition to inland lakes. Journal of the Air and Waste Management Association, 2018, 68, 1025-1037.  | 0.9 | 7         |
| 111 | Predicting fruit and vegetable processing wash-water quality. Water Science and Technology, 2018, 2017, 256-269.   | 1.2 | 5         |
| 112 | A combined adaptive neuro-fuzzy inference systemâ€“firefly algorithm model for predicting the roller length of a hydraulic jump on a rough channel bed. Neural Computing and Applications, 2018, 29, 249-258.  | 3.2 | 43        |
| 113 | A new hybrid decision tree method based on two artificial neural networks for predicting sediment transport in clean pipes. AEJ - Alexandria Engineering Journal, 2018, 57, 1783-1795.   | 3.4 | 37        |
| 114 | Enhanced roadside drainage system for environmentally sensitive areas. Science of the Total Environment, 2018, 610-611, 613-622.   | 3.9 | 15        |
| 115 | Scour depth model for grade-control structures. Journal of Hydroinformatics, 2018, 20, 117-133.  | 1.1 | 16        |
| 116 | Rainfall Pattern Forecasting Using Novel Hybrid Intelligent Model Based ANFIS-FFA. Water Resources Management, 2018, 32, 105-122.  | 1.9 | 101       |
| 117 | Evolutionary design of generalized group method of data handling-type neural network for estimating the hydraulic jump roller length. Acta Mechanica, 2018, 229, 1197-1214.  | 1.1 | 63        |
| 118 | Development of more accurate discharge coefficient prediction equations for rectangular side weirs using adaptive neuro-fuzzy inference system and generalized group method of data handling. Measurement: Journal of the International Measurement Confederation, 2018, 116, 473-482. | 2.5 | 58        |
| 119 | Stable alluvial channel design using evolutionary neural networks. Journal of Hydrology, 2018, 566, 770-782.   | 2.3 | 21        |
| 120 | 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        |
| 121 | Reservoir water level forecasting using group method of data handling. Acta Geophysica, 2018, 66, 717-730.   | 1.0 | 32        |
| 122 | Determining the Scour Dimensions Around Submerged Vanes in a 180° Bend with the Gene Expression Programming Technique. Journal of Marine Science and Application, 2018, 17, 233-240.   | 0.7 | 22        |
| 123 | Uncertainty analysis of shear stress estimation in circular channels by Tsallis entropy. Physica A: Statistical Mechanics and Its Applications, 2018, 510, 558-576.  | 1.2 | 18        |
| 124 | An expert system for predicting shear stress distribution in circular channels using gene expression programming. Water Science and Engineering, 2018, 11, 167-176.  | 1.4 | 12        |
| 125 | Using Probabilistic Neural Networks to Analyze First Nationsâ€™ Drinking Water Advisory Data. Journal of Water Resources Planning and Management - ASCE, 2018, 144, .  | 1.3 | 5         |
| 126 | CAD-DRASTIC: chloride application density combined with DRASTIC for assessing groundwater vulnerability to road salt application. Hydrogeology Journal, 2018, 26, 2379-2393.   | 0.9 | 12        |



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|-----|--|-----|-----------|
| 127 | A modified FAO evapotranspiration model for refined water budget analysis for Green Roof systems. Ecological Engineering, 2018, 119, 45-53.  | 1.6 | 36        |
| 128 | Hybrid Data Intelligent Models and Applications for Water Level Prediction. Advances in Computational Intelligence and Robotics Book Series, 2018, , 121-139.  | 0.4 | 9         |
| 129 | A novel risk assessment method for landfill slope failure: Case study application for Bhalswa Dumpsite, India. Waste Management and Research, 2017, 35, 220-227.   | 2.2 | 17        |
| 130 | Monthly reservoir inflow forecasting using a new hybrid SARIMA genetic programming approach. Journal of Earth System Science, 2017, 126, 1.  | 0.6 | 37        |
| 131 | A Highly Efficient Gene Expression Programming Model for Predicting the Discharge Coefficient in a Side Weir along a Trapezoidal Canal. Irrigation and Drainage, 2017, 66, 655-666.  | 0.8 | 51        |
| 132 | Sensitivity analysis of the factors affecting the discharge capacity of side weirs in trapezoidal channels using extreme learning machines. Flow Measurement and Instrumentation, 2017, 54, 216-223.   | 1.0 | 54        |
| 133 | Application of firefly algorithm-based support vector machines for prediction of field capacity and permanent wilting point. Soil and Tillage Research, 2017, 172, 32-38.  | 2.6 | 106       |
| 134 | An analysis of shear stress distribution in circular channels with sediment deposition based on Gene Expression Programming. International Journal of Sediment Research, 2017, 32, 575-584.  | 1.8 | 32        |
| 135 | Design of an adaptive neuro-fuzzy computing technique for predicting flow variables in a 90° sharp bend. Journal of Hydroinformatics, 2017, 19, 572-585.   | 1.1 | 43        |
| 136 | Integrated SARIMA with Neuro-Fuzzy Systems and Neural Networks for Monthly Inflow Prediction. Water Resources Management, 2017, 31, 2141-2156.   | 1.9 | 68        |
| 137 | Combination of Computational Fluid Dynamics, Adaptive Neuro-Fuzzy Inference System, and Genetic Algorithm for Predicting Discharge Coefficient of Rectangular Side Orifices. Journal of Irrigation and Drainage Engineering - ASCE, 2017, 143, . | 0.6 | 53        |
| 138 | Multi-objective evolutionary polynomial regression-based prediction of energy consumption probing. Water Science and Technology, 2017, 75, 2791-2799.  | 1.2 | 14        |
| 139 | Potential of radial basis function network with particle swarm optimization for prediction of sediment transport at the limit of deposition in a clean pipe. Sustainable Water Resources Management, 2017, 3, 391-401.                           | 1.0 | 17        |
| 140 | Evaluation of air quality zone classification methods based on ambient air concentration exposure. Journal of the Air and Waste Management Association, 2017, 67, 550-564.   | 0.9 | 7         |
| 141 | Developing an expert group method of data handling system for predicting the geometry of a stable channel with a gravel bed. Earth Surface Processes and Landforms, 2017, 42, 1460-1471.   | 1.2 | 44        |
| 142 | Mapping air quality zones for coastal urban centers. Journal of the Air and Waste Management Association, 2017, 67, 565-581.   | 0.9 | 8         |
| 143 | Prediction of flow duration curves for ungauged basins. Journal of Hydrology, 2017, 545, 383-394.  | 2.3 | 74        |
| 144 | Prediction of scour depth around bridge piers using self-adaptive extreme learning machine. Journal of Hydroinformatics, 2017, 19, 207-224.  | 1.1 | 56        |

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|-----|---|-----|-----------|
| 145 | Predicting Breaking Wave Conditions Using Gene Expression Programming. Coastal Engineering Journal, 2017, 59, 1750017-1-1750017-14.   | 0.7 | 8         |
| 146 | Novel approach for streamflow forecasting using a hybrid ANFIS-FFA model. Journal of Hydrology, 2017, 554, 263-276.   | 2.3 | 192       |
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