

Hossein Bonakdari

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

249 papers	4,391 citations	37 h-index	49 g-index
267 ext. papers	5,345 ext. citations	3.3 avg, IF	6.53 L-index

#	Paper	IF	Citations
249	Applications of ANFIS-Type Methods in Simulation of Systems in Marine Environments. <i>Mathematical and Computational Applications</i> , 2022 , 27, 29	1	
248	On the Prediction of Evaporation in Arid Climate Using Machine Learning Model. <i>Mathematical and Computational Applications</i> , 2022 , 27, 32	1	1
247	A reliable GIS-based FAHP-FTOPSIS model to prioritize urban water supply management scenarios: A case study in semi-arid climate. <i>Sustainable Cities and Society</i> , 2022 , 81, 103846	10.1	2
246	An expert system for predicting the infiltration characteristics. <i>Water Science and Technology: Water Supply</i> , 2022 , 22, 2847-2862	1.4	1
245	Distribution evaluation and normalizing 2022 , 87-132		
244	Forecasting time series by deep learning and hybrid methods 2022 , 265-320		
243	Goodness-of-fit & precision criteria 2022 , 187-264		
242	Preparation & stationarizing 2022 , 13-87		
241	Stochastic modeling 2022 , 133-187		
240	Predicting the Geometrical Characteristics of an Inclined Negatively-Buoyant Jet for Angles from 30° to 60° Using GMDH Neural Network. <i>Lecture Notes in Civil Engineering</i> , 2022 , 369-377	0.3	
239	A Machine Learning Model to Predict Knee Osteoarthritis Cartilage Volume Changes over Time Using Baseline Bone Curvature. <i>Biomedicines</i> , 2022 , 10, 1247	4.8	1
238	An Improved Architecture of Group Method of Data Handling for Stability Evaluation of Cross-sectional Bank on Alluvial Threshold Channels. <i>Lecture Notes in Networks and Systems</i> , 2022 , 769-798	0.5	
237	Estimation of Velocity Field in Narrow Open Channels by a Hybrid Metaheuristic ANFIS Network. <i>Lecture Notes in Networks and Systems</i> , 2022 , 1-24	0.5	
236	An Assessment of Extreme Learning Machine Model for Estimation of Flow Variables in Curved Irrigation Channels. <i>Lecture Notes in Networks and Systems</i> , 2021 , 259-269	0.5	
235	An Implicit Approach for Numerical Simulation of Water Hammer Induced Pressure in a Straight Pipe. <i>Water Resources Management</i> , 2021 , 35, 5155	3.7	0
234	Mapping the spatial and temporal variability of flood susceptibility using remotely sensed normalized difference vegetation index and the forecasted changes in the future. <i>Science of the Total Environment</i> , 2021 , 770, 145288	10.2	10
233	Total iron removal from aqueous solution by using modified clinoptilolite. <i>Ain Shams Engineering Journal</i> , 2021 , 13, 101495-101495	4.4	

232	Integrated preprocessing techniques with linear stochastic approaches in groundwater level forecasting. <i>Acta Geophysica</i> , 2021 , 69, 1395-1411	2.2	2
231	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 Kilic, Pouya Aghelpour, Seyed Mostafa Biazar, and Mohammadreza Askarizad Masouleh. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2021 , 147, 07021005	1.1	4
230	Evaluating Parshall flume aeration with experimental observations and advance soft computing techniques. <i>Neural Computing and Applications</i> , 2021 , 33, 17257	4.8	4
229	Forecasting monthly fluctuations of lake surface areas using remote sensing techniques and novel machine learning methods. <i>Theoretical and Applied Climatology</i> , 2021 , 143, 713-735	3	8
228	Evolutionary optimization of neural network to predict sediment transport without sedimentation. <i>Complex & Intelligent Systems</i> , 2021 , 7, 401-416	7.1	5
227	Hydraulics of sharp-crested weir culverts with downstream ramps in free-flow, partially, and fully submerged-flow conditions. <i>Irrigation Science</i> , 2021 , 39, 191-207	3.1	3
226	Prediction of Discharge Capacity of Labyrinth Weir with Gene Expression Programming. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 202-217	0.4	2
225	Pareto design of multiobjective evolutionary neuro-fuzzy system for predicting scour depth around bridge piers 2021 , 491-517		1
224	River flow forecasting using stochastic and neuro-fuzzy-embedded technique: a comprehensive preprocessing-based assessment 2021 , 519-549		2
223	A warning machine learning algorithm for early knee osteoarthritis structural progressor patient screening. <i>Therapeutic Advances in Musculoskeletal Disease</i> , 2021 , 13, 1759720X21993254	3.8	7
222	Uncertainty Assessment of Entropy-Based Circular Channel Shear Stress Prediction Models Using a Novel Method. <i>Geosciences (Switzerland)</i> , 2021 , 11, 308	2.7	0
221	Prognostication of Shortwave Radiation Using an Improved No-Tuned Fast Machine Learning. <i>Sustainability</i> , 2021 , 13, 8009	3.6	2
220	Modelling dry-weather temperature profiles in urban stormwater management ponds. <i>Journal of Hydrology</i> , 2021 , 598, 126206	6	4
219	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, 07021014	1.1	
218	Machine Learning Models for Predicting Water Quality of Treated Fruit and Vegetable Wastewater. <i>Water (Switzerland)</i> , 2021 , 13, 2485	3	5
217	A group Multi-Criteria Decision-Making method for water supply choice optimization. <i>Socio-Economic Planning Sciences</i> , 2021 , 77, 101006	3.7	7
216	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	1.1	1
215	Pareto Multiobjective Bioinspired Optimization of Neuro-Fuzzy Technique for Predicting Sediment Transport in Sewer Pipe 2021 , 131-144		1

214	A dynamic prediction model for time-to-peak. <i>Hydrological Processes</i> , 2021 , 35,	3.3	1
213	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	4.5	1
212	A continuous data driven translational model to evaluate effectiveness of population-level health interventions: case study, smoking ban in public places on hospital admissions for acute coronary events. <i>Journal of Translational Medicine</i> , 2020 , 18, 466	8.5	3
211	A Novel Comprehensive Evaluation Method for Estimating the Bank Profile Shape and Dimensions of Stable Channels Using the Maximum Entropy Principle. <i>Entropy</i> , 2020 , 22,	2.8	3
210	A Methodology for Forecasting Dissolved Oxygen in Urban Streams. <i>Water (Switzerland)</i> , 2020 , 12, 25683		10
209	Serum adipokines/related inflammatory factors and ratios as predictors of infrapatellar fat pad volume in osteoarthritis: Applying comprehensive machine learning approaches. <i>Scientific Reports</i> , 2020 , 10, 9993	4.9	9
208	A generalized linear stochastic model for lake level prediction. <i>Science of the Total Environment</i> , 2020 , 723, 138015	10.2	13
207	Integrative stochastic model standardization with genetic algorithm for rainfall pattern forecasting in tropical and semi-arid environments. <i>Hydrological Sciences Journal</i> , 2020 , 65, 1145-1157	3.5	16
206	A New Approach to Estimate the Discharge Coefficient in Sharp-Crested Rectangular Side Orifices Using Gene Expression Programming. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 77-96	0.4	2
205	Exploring the Role of Advertising Types on Improving the Water Consumption Behavior: An Application of Integrated Fuzzy AHP and Fuzzy VIKOR Method. <i>Sustainability</i> , 2020 , 12, 1232	3.6	17
204	A Non-Tuned Machine Learning Technique for Abutment Scour Depth in Clear Water Condition. <i>Water (Switzerland)</i> , 2020 , 12, 301	3	9
203	A reliable time-series method for predicting arthritic disease outcomes: New step from regression toward a nonlinear artificial intelligence method. <i>Computer Methods and Programs in Biomedicine</i> , 2020 , 189, 105315	6.9	8
202	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	6	11
201	Experimental Investigation of One-Cycle Triangular Labyrinth Weirs with an Upstream Pool. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2020 , 146, 06020005	1.1	1
200	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		1
199	Experimental Investigation and Model Development of Geometric Characteristics of Negatively Buoyant Jets Inclined at 15° and 52° using GMDH Method. <i>Journal of Coastal Research</i> , 2020 , 36, 636	0.6	3
198	FRI0416 COMBINATION OF SERUM ADIPOKINES/RELATED INFLAMMATORY FACTORS AND RATIOS AS PREDICTORS OF INFRAPATELLAR FAT PAD VOLUME IN KNEE OSTEOARTHRITIS PATIENTS: USAGE OF A COMPREHENSIVE MACHINE LEARNING APPROACH. <i>Annals of the Rheumatic Diseases</i> , 2020 , 79, 806-1-807	2.4	1
197	Performance assessment of modified clinoptilolite and magnetic nanotubes on sulfate removal and potential application in natural river samples. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2020 , 97, 51-63	1.7	3

196	Viewpoint on Time Series and Interrupted Time Series Optimum Modeling for Predicting Arthritic Disease Outcomes. <i>Current Rheumatology Reports</i> , 2020 , 22, 27	4.9	2
195	Understanding the dynamic nature of Time-to-Peak in UK streams. <i>Journal of Hydrology</i> , 2020 , 583, 124680		8
194	An expert system for predicting the velocity field in narrow open channel flows using self-adaptive extreme learning machines. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020 , 151, 107202	4.6	8
193	Development of robust evolutionary polynomial regression network in the estimation of stable alluvial channel dimensions. <i>Geomorphology</i> , 2020 , 350, 106895	4.3	8
192	A comparison of artificial intelligence-based classification techniques in predicting flow variables in sharp curved channels. <i>Engineering With Computers</i> , 2020 , 36, 295-324	4.5	10
191	Reliability and sensitivity analysis of robust learning machine in prediction of bank profile morphology of threshold sand rivers. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020 , 153, 107411	4.6	3
190	Application of optimized Artificial and Radial Basis neural networks by using modified Genetic Algorithm on discharge coefficient prediction of modified labyrinth side weir with two and four cycles. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020 , 152, 107291	4.6	15
189	A Comparative Study of Linear Stochastic with Nonlinear Daily River Discharge Forecast Models. <i>Water Resources Management</i> , 2020 , 34, 3689-3708	3.7	10
188	Genetic-Algorithm-Optimized Sequential Model for Water Temperature Prediction. <i>Sustainability</i> , 2020 , 12, 5374	3.6	25
187	Development of a linear based stochastic model for daily soil temperature prediction: One step forward to sustainable agriculture. <i>Computers and Electronics in Agriculture</i> , 2020 , 176, 105636	6.5	11
186	A novel stochastic wastewater quality modeling based on fuzzy techniques. <i>Journal of Environmental Health Science & Engineering</i> , 2020 , 18, 1099-1120	2.9	7
185	Evaluation of preprocessing techniques for improving the accuracy of stochastic rainfall forecast models. <i>International Journal of Environmental Science and Technology</i> , 2020 , 17, 505-524	3.3	19
184	More accurate prediction of the complex velocity field in sewers based on uncertainty analysis using extreme learning machine technique. <i>ISH Journal of Hydraulic Engineering</i> , 2020 , 26, 409-420	1.5	4
183	Investigation of a new shock damper system efficiency in reducing water hammer excess pressure due to the sudden closure of a control valve. <i>ISH Journal of Hydraulic Engineering</i> , 2020 , 26, 258-266	1.5	7
182	Combination of sensitivity and uncertainty analyses for sediment transport modeling in sewer pipes. <i>International Journal of Sediment Research</i> , 2020 , 35, 157-170	3	16
181	The uncertainty of the Shannon entropy model for shear stress distribution in circular channels. <i>International Journal of Sediment Research</i> , 2020 , 35, 57-68	3	7
180	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	2.1	11
179	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	3.7	26

178	Optimal Design for Shock Damper with Genetic Algorithm to Control Water Hammer Effects in Complex Water Distribution Systems. <i>Water Resources Management</i> , 2019 , 33, 1665-1681	3.7	3
177	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	6	27
176	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	1	11
175	. <i>IEEE Access</i> , 2019 , 7, 74471-74481	3.5	55
174	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	5	41
173	Enhanced formulation of the probability principle based on maximum entropy to design the bank profile of channels in geomorphic threshold. <i>Stochastic Environmental Research and Risk Assessment</i> , 2019 , 33, 1013-1034	3.5	4
172	Novel Hybrid Data-Intelligence Model for Forecasting Monthly Rainfall with Uncertainty Analysis. <i>Water (Switzerland)</i> , 2019 , 11, 502	3	56
171	Assessment of geomorphological bank evolution of the alluvial threshold rivers based on entropy concept parameters. <i>Hydrological Sciences Journal</i> , 2019 , 64, 856-872	3.5	14
170	A method based on the Tsallis entropy for characterizing threshold channel bank profiles. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019 , 526, 121089	3.3	13
169	Predicting stable alluvial channel profiles using emotional artificial neural networks. <i>Applied Soft Computing Journal</i> , 2019 , 78, 420-437	7.5	26
168	Integrated Markov chains and uncertainty analysis techniques to more accurately forecast floods using satellite signals. <i>Journal of Hydrology</i> , 2019 , 572, 75-95	6	15
167	Developing an AI-based method for river discharge forecasting using satellite signals. <i>Theoretical and Applied Climatology</i> , 2019 , 138, 347-362	3	9
166	Analyzing bank profile shape of alluvial stable channels using robust optimization and evolutionary ANFIS methods. <i>Applied Water Science</i> , 2019 , 9, 1	5	6
165	Designing a New Data Intelligence Model for Global Solar Radiation Prediction: Application of Multivariate Modeling Scheme. <i>Energies</i> , 2019 , 12, 1365	3.1	8
164	Predicting wastewater treatment plant quality parameters using a novel hybrid linear-nonlinear methodology. <i>Journal of Environmental Management</i> , 2019 , 240, 463-474	7.9	38
163	Hydraulic Modeling and Evaluation Equations for the Incipient Motion of Sandbags for Levee Breach Closure Operations. <i>Water (Switzerland)</i> , 2019 , 11, 279	3	7
162	Modeling unsaturated hydraulic conductivity by hybrid soft computing techniques. <i>Soft Computing</i> , 2019 , 23, 12897-12910	3.5	24
161	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	4.8	17

160	Modeling Performance of Sediment Control Wet Ponds at Two Construction Sites in Ontario, Canada. <i>Journal of Hydraulic Engineering</i> , 2019 , 145, 05019001	1.8	6
159	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	6	23
158	An efficient classified radial basis neural network for prediction of flow variables in sharp open-channel bends. <i>Applied Water Science</i> , 2019 , 9, 1	5	4
157	Modelling Stable Alluvial River Profiles Using Back Propagation-Based Multilayer Neural Networks. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 607-624	0.4	2
156	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	3.7	4
155	Integrated nonlinear daily water demand forecast model (case study: City of Guelph, Canada). <i>Journal of Hydrology</i> , 2019 , 579, 124182	6	17
154	A reliable linear method for modeling lake level fluctuations. <i>Journal of Hydrology</i> , 2019 , 570, 236-250	6	33
153	Extreme Learning Machines in Predicting the Velocity Distribution in Compound Narrow Channels. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 119-128	0.4	1
152	Hybrid Evolutionary Algorithm Based on PSOGA for ANFIS Designing in Prediction of No-Deposition Bed Load Sediment Transport in Sewer Pipe. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 106-118	0.4	2
151	Gene expression programming-based approach for predicting the roller length of a hydraulic jump on a rough bed. <i>ISH Journal of Hydraulic Engineering</i> , 2019 , 1-11	1.5	16
150	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	8.1	15
149	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	4.8	4
148	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	1.1	20
147	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	6	22
146	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	1.7	15
145	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	4.3	6
144	Prediction of wave runup on beaches using Gene-Expression Programming and empirical relationships. <i>Coastal Engineering</i> , 2019 , 144, 47-61	4.8	30
143	Artificial intelligence models for prediction of the aeration efficiency of the stepped weir. <i>Flow Measurement and Instrumentation</i> , 2019 , 65, 78-89	2.2	18

142	A reliable linear stochastic daily soil temperature forecast model. <i>Soil and Tillage Research</i> , 2019 , 189, 73-87	6.5	54
141	Evolutionary Prediction of Biohydrogen Production by Dark Fermentation. <i>Clean - Soil, Air, Water</i> , 2019 , 47, 1700494	1.6	7
140	Velocity Field Simulation of Open-Channel Junction Using Artificial Intelligence Approaches. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2019 , 43, 549-560	1.1	2
139	Abutment scour depth modeling using neuro-fuzzy-embedded techniques. <i>Marine Georesources and Geotechnology</i> , 2019 , 37, 190-200	2.2	43
138	3D flow simulation of straight groynes using hybrid DE-based artificial intelligence methods. <i>Soft Computing</i> , 2019 , 23, 3757-3777	3.5	5
137	Proposing a novel hybrid intelligent model for the simulation of particle size distribution resulting from blasting. <i>Engineering With Computers</i> , 2019 , 35, 47-56	4.5	38
136	Reliable method of determining stable threshold channel shape using experimental and gene expression programming techniques. <i>Neural Computing and Applications</i> , 2019 , 31, 5799-5817	4.8	20
135	New insights into soil temperature time series modeling: linear or nonlinear?. <i>Theoretical and Applied Climatology</i> , 2019 , 135, 1157-1177	3	46
134	Robustness lake water level prediction using the search heuristic-based artificial intelligence methods. <i>ISH Journal of Hydraulic Engineering</i> , 2019 , 25, 316-324	1.5	14
133	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. <i>Journal of Irrigation and Drainage Engineering</i> , 2019 , 144, 07018001	1.1	3
132	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. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018 , 121, 294-303	4.6	49
131	New type side weir discharge coefficient simulation using three novel hybrid adaptive neuro-fuzzy inference systems. <i>Applied Water Science</i> , 2018 , 8, 1	5	10
130	A methodological approach of predicting threshold channel bank profile by multi-objective evolutionary optimization of ANFIS. <i>Engineering Geology</i> , 2018 , 239, 298-309	6	36
129	Remote Sensing Satellite Data Preparation for Simulating and Forecasting River Discharge. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018 , 56, 3432-3441	8.1	18
128	The optimal dam site selection using a group decision-making method through fuzzy TOPSIS model. <i>Environment Systems and Decisions</i> , 2018 , 38, 471-488	4.1	19
127	An integrated framework of Extreme Learning Machines for predicting scour at pile groups in clear water condition. <i>Coastal Engineering</i> , 2018 , 135, 1-15	4.8	61
126	A combined adaptive neuro-fuzzy inference system and genetic algorithm model for predicting the roller length of a hydraulic jump on a rough channel bed. <i>Neural Computing and Applications</i> , 2018 , 29, 249-258	4.8	35
125	Comparison of genetic programming and radial basis function neural network for open-channel junction velocity field prediction. <i>Neural Computing and Applications</i> , 2018 , 30, 855-864	4.8	9

124	Predicting discharge coefficient of triangular labyrinth weir using extreme learning machine, artificial neural network and genetic programming. <i>Neural Computing and Applications</i> , 2018 , 29, 983-989	4.8	31
123	Estimating shear stress in a rectangular channel with rough boundaries using an optimized SVM method. <i>Neural Computing and Applications</i> , 2018 , 30, 2555-2567	4.8	8
122	New radial basis function network method based on decision trees to predict flow variables in a curved channel. <i>Neural Computing and Applications</i> , 2018 , 30, 2771-2785	4.8	13
121	A new hybrid decision tree method based on two artificial neural networks for predicting sediment transport in clean pipes. <i>AEJ - Alexandria Engineering Journal</i> , 2018 , 57, 1783-1795	6.1	23
120	Deriving the governing equation for a shock damper to model the unsteady flow caused by sudden valve closure and sudden demand change 2018 , 67, 202-210		5
119	Rainfall Pattern Forecasting Using Novel Hybrid Intelligent Model Based ANFIS-FFA. <i>Water Resources Management</i> , 2018 , 32, 105-122	3.7	82
118	Uncertainty analysis of shear stress estimation in circular channels by Tsallis entropy. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018 , 510, 558-576	3.3	17
117	An expert system for predicting shear stress distribution in circular open channels using gene expression programming. <i>Water Science and Engineering</i> , 2018 , 11, 167-176	4	10
116	Experimental and Numerical Investigation of the Flow Hydraulic in Gradual Transition Open Channels. <i>Water Resources</i> , 2018 , 45, 565-577	0.9	2
115	Evaluating the apparent shear stress in prismatic compound channels using the Genetic Algorithm based on Multi-Layer Perceptron: A comparative study. <i>Applied Mathematics and Computation</i> , 2018 , 338, 400-411	2.7	5
114	Hybrid Data Intelligent Models and Applications for Water Level Prediction. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2018 , 121-139	0.4	5
113	Impact of Normalization and Input on ARMAX-ANN Model Performance in Suspended Sediment Load Prediction. <i>Water Resources Management</i> , 2018 , 32, 845-863	3.7	28
112	Evolutionary design of generalized group method of data handling-type neural network for estimating the hydraulic jump roller length. <i>Acta Mechanica</i> , 2018 , 229, 1197-1214	2.1	44
111	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. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018 , 116, 473-482	4.6	45
110	Formulating the shear stress distribution in circular open channels based on the Renyi entropy. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018 , 490, 114-126	3.3	17
109	Stable alluvial channel design using evolutionary neural networks. <i>Journal of Hydrology</i> , 2018 , 566, 770-782	7.82	19
108	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	7.9	50
107	Reservoir water level forecasting using group method of data handling. <i>Acta Geophysica</i> , 2018 , 66, 717-730	7.20	22

106	Determining the Scour Dimensions Around Submerged Vanes in a 180° Bend with the Gene Expression Programming Technique. <i>Journal of Marine Science and Application</i> , 2018 , 17, 233-240	1.2	14
105	Application of a Neuro-Fuzzy GMDH Model for Predicting the Velocity at Limit of Deposition in Storm Sewers. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2017 , 8, 06016003	1.5	25
104	Forecasting monthly inflow with extreme seasonal variation using the hybrid SARIMA-ANN model. <i>Stochastic Environmental Research and Risk Assessment</i> , 2017 , 31, 1997-2010	3.5	47
103	Monthly reservoir inflow forecasting using a new hybrid SARIMA genetic programming approach. <i>Journal of Earth System Science</i> , 2017 , 126, 1	1.8	26
102	Using two soft computing methods to predict wall and bed shear stress in smooth rectangular channels. <i>Applied Water Science</i> , 2017 , 7, 3973-3983	5	0
101	A Highly Efficient Gene Expression Programming Model for Predicting the Discharge Coefficient in a Side Weir along a Trapezoidal Canal. <i>Irrigation and Drainage</i> , 2017 , 66, 655-666	1.1	45
100	Assessment of Stochastic Models and a Hybrid Artificial Neural Network-Genetic Algorithm Method in Forecasting Monthly Reservoir Inflow. <i>INAE Letters</i> , 2017 , 2, 13-23	0.7	22
99	Stochastic model stationarization by eliminating the periodic term and its effect on time series prediction. <i>Journal of Hydrology</i> , 2017 , 547, 348-364	6	20
98	Sensitivity analysis of the factors affecting the discharge capacity of side weirs in trapezoidal channels using extreme learning machines. <i>Flow Measurement and Instrumentation</i> , 2017 , 54, 216-223	2.2	37
97	Application of firefly algorithm-based support vector machines for prediction of field capacity and permanent wilting point. <i>Soil and Tillage Research</i> , 2017 , 172, 32-38	6.5	84
96	Estimating the shear stress distribution in circular channels based on the randomized neural network technique. <i>Applied Soft Computing Journal</i> , 2017 , 58, 441-448	7.5	16
95	An analysis of shear stress distribution in circular channels with sediment deposition based on Gene Expression Programming. <i>International Journal of Sediment Research</i> , 2017 , 32, 575-584	3	24
94	Efficient shear stress distribution detection in circular channels using Extreme Learning Machines and the M5 model tree algorithm. <i>Urban Water Journal</i> , 2017 , 14, 999-1006	2.3	8
93	Optimum Support Vector Regression for Discharge Coefficient of Modified Side Weirs Prediction. <i>INAE Letters</i> , 2017 , 2, 25-33	0.7	14
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