

Isa Ebtehaj

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.

214
papers

4,226
citations

38
h-index

51
g-index

221
ext. papers

5,177
ext. citations

3.3
avg, IF

6.44
L-index

#	Paper	IF	Citations
214	Machine Learning to Predict Area Fugitive Emission Fluxes of GHGs from Open-Pit Mines. <i>Atmosphere</i> , 2022 , 13, 210	2.7	0
213	An expert system for predicting the infiltration characteristics. <i>Water Science and Technology: Water Supply</i> , 2022 , 22, 2847-2862	1.4	1
212	The Discharge Forecasting of Multiple Monitoring Station for Humber River by Hybrid LSTM Models. <i>Water (Switzerland)</i> , 2022 , 14, 1794	3	3
211	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	0
210	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	0
209	A Modified Distributed CN-VSA Method for Mapping of the Seasonally Variable Source Areas. <i>Water (Switzerland)</i> , 2021 , 13, 1270	3	0
208	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
207	Flood Risk Management with Transboundary Conflict and Cooperation Dynamics in the Kabul River Basin. <i>Water (Switzerland)</i> , 2021 , 13, 1513	3	3
206	Integrated preprocessing techniques with linear stochastic approaches in groundwater level forecasting. <i>Acta Geophysica</i> , 2021 , 69, 1395-1411	2.2	2
205	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 Kiliç Pouya Aghelpour, Seyed Mostafa Biazar, and Mohammadreza Askarizad Masouleh. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2021 , 147, 07021005	1.1	4
204	Evaluating Parshall flume aeration with experimental observations and advance soft computing techniques. <i>Neural Computing and Applications</i> , 2021 , 33, 17257	4.8	4
203	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	3.5	10
202	Modelling daily soil temperature by hydro-meteorological data at different depths using a novel data-intelligence model: deep echo state network model. <i>Artificial Intelligence Review</i> , 2021 , 54, 2863-2890	0.7	11
201	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
200	Evolutionary optimization of neural network to predict sediment transport without sedimentation. <i>Complex & Intelligent Systems</i> , 2021 , 7, 401-416	7.1	5
199	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
198	Pareto design of multiobjective evolutionary neuro-fuzzy system for predicting scour depth around bridge piers 2021 , 491-517		1

197	River flow forecasting using stochastic and neuro-fuzzy-embedded technique: a comprehensive preprocessing-based assessment 2021 , 519-549		2
196	Short to Long-Term Forecasting of River Flows by Heuristic Optimization Algorithms Hybridized with ANFIS. <i>Water Resources Management</i> , 2021 , 35, 1149-1166	3.7	9
195	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
194	Prognostication of Shortwave Radiation Using an Improved No-Tuned Fast Machine Learning. <i>Sustainability</i> , 2021 , 13, 8009	3.6	2
193	Modelling dry-weather temperature profiles in urban stormwater management ponds. <i>Journal of Hydrology</i> , 2021 , 598, 126206	6	4
192	Dust Emissions Management Model for Construction Sites. <i>Journal of Construction Engineering and Management - ASCE</i> , 2021 , 147, 04021092	4.2	0
191	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	
190	Machine Learning Models for Predicting Water Quality of Treated Fruit and Vegetable Wastewater. <i>Water (Switzerland)</i> , 2021 , 13, 2485	3	5
189	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	3	1
188	A group Multi-Criteria Decision-Making method for water supply choice optimization. <i>Socio-Economic Planning Sciences</i> , 2021 , 77, 101006	3.7	7
187	Hourly road pavement surface temperature forecasting using deep learning models. <i>Journal of Hydrology</i> , 2021 , 603, 126877	6	5
186	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
185	Pareto Multiobjective Bioinspired Optimization of Neuro-Fuzzy Technique for Predicting Sediment Transport in Sewer Pipe 2021 , 131-144		1
184	A dynamic prediction model for time-to-peak. <i>Hydrological Processes</i> , 2021 , 35,	3.3	1
183	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
182	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
181	A Methodology for Forecasting Dissolved Oxygen in Urban Streams. <i>Water (Switzerland)</i> , 2020 , 12, 25683		10
180	A generalized linear stochastic model for lake level prediction. <i>Science of the Total Environment</i> , 2020 , 723, 138015	10.2	13

179	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
178	Guidance on field survey programme design for basement flooding assessment. <i>Hydrological Sciences Journal</i> , 2020 , 1-10	3.5	2
177	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
176	A Non-Tuned Machine Learning Technique for Abutment Scour Depth in Clear Water Condition. <i>Water (Switzerland)</i> , 2020 , 12, 301	3	9
175	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
174	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
173	An experimental and modeling study of evapotranspiration from integrated green roof photovoltaic systems. <i>Ecological Engineering</i> , 2020 , 152, 105767	3.9	6
172	Understanding the dynamic nature of Time-to-Peak in UK streams. <i>Journal of Hydrology</i> , 2020 , 583, 124680		8
171	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
170	Development of robust evolutionary polynomial regression network in the estimation of stable alluvial channel dimensions. <i>Geomorphology</i> , 2020 , 350, 106895	4.3	8
169	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
168	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
167	Genetic-Algorithm-Optimized Sequential Model for Water Temperature Prediction. <i>Sustainability</i> , 2020 , 12, 5374	3.6	25
166	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
165	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
164	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
163	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
162	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

161	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
160	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
159	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
158	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
157	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
156	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
155	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	1.8	6
154	. <i>IEEE Access</i> , 2019 , 7, 74471-74481	3.5	55
153	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
152	Novel Hybrid Data-Intelligence Model for Forecasting Monthly Rainfall with Uncertainty Analysis. <i>Water (Switzerland)</i> , 2019 , 11, 502	3	56
151	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
150	Predicting stable alluvial channel profiles using emotional artificial neural networks. <i>Applied Soft Computing Journal</i> , 2019 , 78, 420-437	7.5	26
149	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
148	Developing an AI-based method for river discharge forecasting using satellite signals. <i>Theoretical and Applied Climatology</i> , 2019 , 138, 347-362	3	9
147	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
146	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
145	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
144	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

143	Modeling unsaturated hydraulic conductivity by hybrid soft computing techniques. <i>Soft Computing</i> , 2019 , 23, 12897-12910	3.5	24
142	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
141	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
140	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
139	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
138	Advancing Freshwater Lake Level Forecast Using King Castle Optimization with Training Sample Adaption and Adaptive Neuro-Fuzzy Inference System. <i>Water Resources Management</i> , 2019 , 33, 4215-4237	3.7	4
137	A reliable linear method for modeling lake level fluctuations. <i>Journal of Hydrology</i> , 2019 , 570, 236-250	6	33
136	A HIGHLY EFFICIENT GENE EXPRESSION PROGRAMMING FOR VELOCITY DISTRIBUTION AT COMPOUND SEWER CHANNEL 2019 ,		2
135	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
134	Hybrid Evolutionary Algorithm Based on PSO GA 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
133	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
132	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
131	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
130	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
129	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
128	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
127	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
126	Prediction of wave runup on beaches using Gene-Expression Programming and empirical relationships. <i>Coastal Engineering</i> , 2019 , 144, 47-61	4.8	30

125	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
124	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	1.8	9
123	A reliable linear stochastic daily soil temperature forecast model. <i>Soil and Tillage Research</i> , 2019 , 189, 73-87	6.5	54
122	Evolutionary Prediction of Biohydrogen Production by Dark Fermentation. <i>Clean - Soil, Air, Water</i> , 2019 , 47, 1700494	1.6	7
121	Abutment scour depth modeling using neuro-fuzzy-embedded techniques. <i>Marine Georesources and Geotechnology</i> , 2019 , 37, 190-200	2.2	43
120	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
119	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
118	New insights into soil temperature time series modeling: linear or nonlinear?. <i>Theoretical and Applied Climatology</i> , 2019 , 135, 1157-1177	3	46
117	Empirical models for longitudinal dispersion coefficient in natural streams. <i>Journal of Hydrology</i> , 2019 , 575, 1359-1361	6	10
116	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 Intelligent and Fuzzy Systems</i> , 2019 , 111, 1079-1093	1.1	3
115	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
114	Forecasting air quality time series using deep learning. <i>Journal of the Air and Waste Management Association</i> , 2018 , 68, 866-886	2.4	88
113	Wind-Induced Air-Flow Patterns in an Urban Setting: Observations and Numerical Modeling. <i>Pure and Applied Geophysics</i> , 2018 , 175, 3051-3068	2.2	3
112	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
111	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
110	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
109	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
108	Predicting Archimedes Screw Generator Power Output Using Artificial Neural Networks. <i>Journal of Hydraulic Engineering</i> , 2018 , 144, 05018002	1.8	2

107	Optimizing best management practices to control anthropogenic sources of atmospheric phosphorus deposition to inland lakes. <i>Journal of the Air and Waste Management Association</i> , 2018 , 68, 1025-1037	2.4	4
106	A combined adaptive neuro-fuzzy inference system firefly 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
105	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
104	Enhanced roadside drainage system for environmentally sensitive areas. <i>Science of the Total Environment</i> , 2018 , 610-611, 613-622	10.2	13
103	Scour depth model for grade-control structures. <i>Journal of Hydroinformatics</i> , 2018 , 20, 117-133	2.6	15
102	Rainfall Pattern Forecasting Using Novel Hybrid Intelligent Model Based ANFIS-FFA. <i>Water Resources Management</i> , 2018 , 32, 105-122	3.7	82
101	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
100	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
99	Using Probabilistic Neural Networks to Analyze First Nations Drinking Water Advisory Data. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2018 , 144, 05018015	2.8	4
98	CAD-DRASTIC: chloride application density combined with DRASTIC for assessing groundwater vulnerability to road salt application. <i>Hydrogeology Journal</i> , 2018 , 26, 2379-2393	3.1	5
97	A modified FAO evapotranspiration model for refined water budget analysis for Green Roof systems. <i>Ecological Engineering</i> , 2018 , 119, 45-53	3.9	22
96	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
95	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
94	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
93	Stable alluvial channel design using evolutionary neural networks. <i>Journal of Hydrology</i> , 2018 , 566, 770-782	7.8	19
92	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
91	Reservoir water level forecasting using group method of data handling. <i>Acta Geophysica</i> , 2018 , 66, 717-730	7.2	22
90	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

89	A novel risk assessment method for landfill slope failure: Case study application for Bhalswa Dumpsite, India. <i>Waste Management and Research</i> , 2017 , 35, 220-227	4	13
88	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
87	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
86	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
85	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
84	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
83	Design of an adaptive neuro-fuzzy computing technique for predicting flow variables in a 90° sharp bend. <i>Journal of Hydroinformatics</i> , 2017 , 19, 572-585	2.6	34
82	Integrated SARIMA with Neuro-Fuzzy Systems and Neural Networks for Monthly Inflow Prediction. <i>Water Resources Management</i> , 2017 , 31, 2141-2156	3.7	49
81	Combination of Computational Fluid Dynamics, Adaptive Neuro-Fuzzy Inference System, and Genetic Algorithm for Predicting Discharge Coefficient of Rectangular Side Orifices. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2017 , 143, 04017015	1.1	37
80	Multi-objective evolutionary polynomial regression-based prediction of energy consumption probing. <i>Water Science and Technology</i> , 2017 , 75, 2791-2799	2.2	9
79	Potential of radial basis function network with particle swarm optimization for prediction of sediment transport at the limit of deposition in a clean pipe. <i>Sustainable Water Resources Management</i> , 2017 , 3, 391-401	1.9	12
78	Evaluation of air quality zone classification methods based on ambient air concentration exposure. <i>Journal of the Air and Waste Management Association</i> , 2017 , 67, 550-564	2.4	5
77	Developing an expert group method of data handling system for predicting the geometry of a stable channel with a gravel bed. <i>Earth Surface Processes and Landforms</i> , 2017 , 42, 1460-1471	3.7	37
76	Mapping air quality zones for coastal urban centers. <i>Journal of the Air and Waste Management Association</i> , 2017 , 67, 565-581	2.4	6
75	Prediction of flow duration curves for ungauged basins. <i>Journal of Hydrology</i> , 2017 , 545, 383-394	6	56
74	Prediction of scour depth around bridge piers using self-adaptive extreme learning machine. <i>Journal of Hydroinformatics</i> , 2017 , 19, 207-224	2.6	38
73	Predicting Breaking Wave Conditions Using Gene Expression Programming. <i>Coastal Engineering Journal</i> , 2017 , 59, 1750017-1-1750017-14	2.8	8
72	Predicting fruit and vegetable processing wash-water quality. <i>Water Science and Technology</i> , 2017 , 2017, 256-269	2.2	3

71	Novel approach for streamflow forecasting using a hybrid ANFIS-FFA model. <i>Journal of Hydrology</i> , 2017 , 554, 263-276	6	134
70	Comparative analysis of GMDH neural network based on genetic algorithm and particle swarm optimization in stable channel design. <i>Applied Mathematics and Computation</i> , 2017 , 313, 271-286	2.7	61
69	Design of a fuzzy differential evolution algorithm to predict non-deposition sediment transport. <i>Applied Water Science</i> , 2017 , 7, 4287-4299	5	16
68	Erratum for Municipal Solid Waste Slope Stability Modeling: A Probabilistic Approach By Ali Jahanfar, Bahram Gharabaghi, Edward A. McBean, and Brajesh K. Dubey. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2017 , 143, 08217001	3.4	
67	New Approach to Estimate Velocity at Limit of Deposition in Storm Sewers Using Vector Machine Coupled with Firefly Algorithm. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2017 , 8, 04016018	1.5	18
66	Evolutionary Pareto optimization of an ANFIS network for modeling scour at pile groups in clear water condition. <i>Fuzzy Sets and Systems</i> , 2017 , 319, 50-69	3.7	44
65	Event Runoff and Sediment-Yield Neural Network Models for Assessment and Design of Management Practices for Small Agricultural Watersheds. <i>Journal of Hydrologic Engineering - ASCE</i> , 2017 , 22, 04016056	1.8	4
64	Development of group method of data handling based on genetic algorithm to predict incipient motion in rigid rectangular storm water channel. <i>Scientia Iranica</i> , 2017 , 24, 1000-1009	1.5	10
63	A COMBINATION OF COMPUTATIONAL FLUID DYNAMICS, ARTIFICIAL NEURAL NETWORK AND SUPPORT VECTORS MACHINES MODEL TO PREDICT FLOW VARIABLES IN CURVED CHANNEL. <i>Scientia Iranica</i> , 2017 , 0-0	1.5	2
62	Comparison of three models describing bromide transport affected by different soil structure types. <i>Archives of Agronomy and Soil Science</i> , 2016 , 62, 674-687	2	8
61	Bed load sediment transport estimation in a clean pipe using multilayer perceptron with different training algorithms. <i>KSCE Journal of Civil Engineering</i> , 2016 , 20, 581-589	1.9	32
60	Design of a support vector machine with different kernel functions to predict scour depth around bridge piers. <i>Natural Hazards</i> , 2016 , 84, 2145-2162	3	35
59	Berm design to reduce risks of catastrophic slope failures at solid waste disposal sites. <i>Waste Management and Research</i> , 2016 , 34, 1117-1125	4	6
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