

Isa Ebtehaj

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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	Novel approach for streamflow forecasting using a hybrid ANFIS-FFA model. <i>Journal of Hydrology</i> , 2017 , 554, 263-276	6	134
213	Groundwater chloride response in the Highland Creek watershed due to road salt application: A re-assessment after 20 years. <i>Journal of Hydrology</i> , 2013 , 479, 159-168	6	99
212	Gene expression programming to predict the discharge coefficient in rectangular side weirs. <i>Applied Soft Computing Journal</i> , 2015 , 35, 618-628	7.5	96
211	Gene expression models for prediction of longitudinal dispersion coefficient in streams. <i>Journal of Hydrology</i> , 2015 , 524, 587-596	6	92
210	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
209	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
208	Rainfall Pattern Forecasting Using Novel Hybrid Intelligent Model Based ANFIS-FFA. <i>Water Resources Management</i> , 2018 , 32, 105-122	3.7	82
207	Performance Evaluation of Adaptive Neural Fuzzy Inference System for Sediment Transport in Sewers. <i>Water Resources Management</i> , 2014 , 28, 4765-4779	3.7	75
206	GMDH-type neural network approach for modeling the discharge coefficient of rectangular sharp-crested side weirs 2015 , 18, 746-757		61
205	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
204	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
203	Evaluation of Sediment Transport in Sewer using Artificial Neural Network. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2013 , 7, 382-392	4.5	61
202	Pareto genetic design of group method of data handling type neural network for prediction discharge coefficient in rectangular side orifices. <i>Flow Measurement and Instrumentation</i> , 2015 , 41, 67-74 ^{2.2}		58
201	Prediction of flow duration curves for ungauged basins. <i>Journal of Hydrology</i> , 2017 , 545, 383-394	6	56
200	Novel Hybrid Data-Intelligence Model for Forecasting Monthly Rainfall with Uncertainty Analysis. <i>Water (Switzerland)</i> , 2019 , 11, 502	3	56
199	. <i>IEEE Access</i> , 2019 , 7, 74471-74481	3.5	55
198	A reliable linear stochastic daily soil temperature forecast model. <i>Soil and Tillage Research</i> , 2019 , 189, 73-87	6.5	54

197	Adaptive neuro-fuzzy inference system multi-objective optimization using the genetic algorithm/singular value decomposition method for modelling the discharge coefficient in rectangular sharp-crested side weirs. <i>Engineering Optimization</i> , 2016 , 48, 933-948	2	52
196	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
195	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
194	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
193	Effectiveness of Vegetative Filter Strips in Removal of Sediments from Overland Flow. <i>Water Quality Research Journal of Canada</i> , 2006 , 41, 275-282	1.7	49
192	New insights into soil temperature time series modeling: linear or nonlinear?. <i>Theoretical and Applied Climatology</i> , 2019 , 135, 1157-1177	3	46
191	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
190	Event-based total suspended sediment particle size distribution model. <i>Journal of Hydrology</i> , 2016 , 536, 236-246	6	45
189	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
188	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
187	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
186	Extreme learning machine assessment for estimating sediment transport in open channels. <i>Engineering With Computers</i> , 2016 , 32, 691-704	4.5	43
185	Abutment scour depth modeling using neuro-fuzzy-embedded techniques. <i>Marine Georesources and Geotechnology</i> , 2019 , 37, 190-200	2.2	43
184	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
183	Entropy-based neural networks model for flow duration curves at ungauged sites. <i>Journal of Hydrology</i> , 2015 , 529, 1007-1020	6	41
182	Predicting the Timing of Water Main Failure Using Artificial Neural Networks. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2014 , 140, 425-434	2.8	41
181	A combined support vector machine-wavelet transform model for prediction of sediment transport in sewer. <i>Flow Measurement and Instrumentation</i> , 2016 , 47, 19-27	2.2	39
180	Design criteria for sediment transport in sewers based on self-cleansing concept. <i>Journal of Zhejiang University: Science A</i> , 2014 , 15, 914-924	2.1	39

179	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
178	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
177	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
176	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
175	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
174	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
173	Forecasting watermain failure using artificial neural network modelling. <i>Canadian Water Resources Journal</i> , 2013 , 38, 24-33	1.7	37
172	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
171	Assessment of evolutionary algorithms in predicting non-deposition sediment transport. <i>Urban Water Journal</i> , 2016 , 13, 499-510	2.3	36
170	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
169	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
168	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
167	Comparison of genetic algorithm and imperialist competitive algorithms in predicting bed load transport in clean pipe. <i>Water Science and Technology</i> , 2014 , 70, 1695-701	2.2	34
166	A reliable linear method for modeling lake level fluctuations. <i>Journal of Hydrology</i> , 2019 , 570, 236-250	6	33
165	Bed load sediment transport estimation in a clean pipe using multilayer perceptron with different training algorithms. <i>KSCCE Journal of Civil Engineering</i> , 2016 , 20, 581-589	1.9	32
164	Integrative neural networks models for stream assessment in restoration projects. <i>Journal of Hydrology</i> , 2016 , 536, 339-350	6	32
163	Prediction of wave runup on beaches using Gene-Expression Programming and empirical relationships. <i>Coastal Engineering</i> , 2019 , 144, 47-61	4.8	30
162	Estimating Sediment Yield from Upland and Channel Erosion at A Watershed Scale Using SWAT. <i>Water Resources Management</i> , 2015 , 29, 1399-1412	3.7	28

161	Assessment of the Contributions of Traditional Qanats in Sustainable Water Resources Management. <i>International Journal of Water Resources Development</i> , 2006 , 22, 575-588	3	28
160	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
159	A support vector regression-firefly algorithm-based model for limiting velocity prediction in sewer pipes. <i>Water Science and Technology</i> , 2016 , 73, 2244-50	2.2	27
158	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
157	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
156	Predicting stable alluvial channel profiles using emotional artificial neural networks. <i>Applied Soft Computing Journal</i> , 2019 , 78, 420-437	7.5	26
155	Evolution of Ontario's Stormwater Management Planning and Design Guidance. <i>Water Quality Research Journal of Canada</i> , 2004 , 39, 343-355	1.7	25
154	Genetic-Algorithm-Optimized Sequential Model for Water Temperature Prediction. <i>Sustainability</i> , 2020 , 12, 5374	3.6	25
153	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
152	Modeling unsaturated hydraulic conductivity by hybrid soft computing techniques. <i>Soft Computing</i> , 2019 , 23, 12897-12910	3.5	24
151	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
150	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
149	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
148	Road Salt Application in Highland Creek Watershed, Toronto, Ontario - Chloride Mass Balance. <i>Water Quality Research Journal of Canada</i> , 2010 , 45, 451-461	1.7	22
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	Reservoir water level forecasting using group method of data handling. <i>Acta Geophysica</i> , 2018 , 66, 717-730	2.2	22
145	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
144	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

143	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
142	Highway runoff quality models for the protection of environmentally sensitive areas. <i>Journal of Hydrology</i> , 2016 , 542, 143-155	6	19
141	Stream Chloride Monitoring Program of City of Toronto: Implications of Road Salt Application. <i>Water Quality Research Journal of Canada</i> , 2009 , 44, 132-140	1.7	19
140	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
139	Stable alluvial channel design using evolutionary neural networks. <i>Journal of Hydrology</i> , 2018 , 566, 770-782		19
138	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
137	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
136	Using Data Mining to Understand Drinking Water Advisories in Small Water Systems: a Case Study of Ontario First Nations Drinking Water Supplies. <i>Water Resources Management</i> , 2015 , 29, 5129-5139	3.7	18
135	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
134	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
133	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
132	Reservoir management under predictable climate variability and change. <i>Journal of Water and Climate Change</i> , 2015 , 6, 472-485	2.3	17
131	Seasonal and spatial distribution patterns of atmospheric phosphorus deposition to Lake Simcoe, ON. <i>Journal of Great Lakes Research</i> , 2011 , 37, 15-25	3	17
130	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
129	Design of a fuzzy differential evolution algorithm to predict non-deposition sediment transport. <i>Applied Water Science</i> , 2017 , 7, 4287-4299	5	16
128	An expert system with radial basis function neural network based on decision trees for predicting sediment transport in sewers. <i>Water Science and Technology</i> , 2016 , 74, 176-83	2.2	16
127	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
126	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

125	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
124	Scour depth model for grade-control structures. <i>Journal of Hydroinformatics</i> , 2018 , 20, 117-133	2.6	15
123	Prediction of Incipient Breaking Wave-Heights Using Artificial Neural Networks and Empirical Relationships. <i>Coastal Engineering Journal</i> , 2015 , 57, 1550018-1-1550018-27	2.8	15
122	Compost Biofilters For Highway Stormwater Runoff Treatment. <i>Water Quality Research Journal of Canada</i> , 2010 , 45, 391-402	1.7	15
121	Evaluation of the Qualitative Habitat Evaluation Index as a Planning and Design Tool for Restoration of Rural Ontario Waterways. <i>Canadian Water Resources Journal</i> , 2011 , 36, 149-158	1.7	15
120	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
119	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
118	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
117	Evaluation of the Root Zone Water Quality Model (RZWQM) for Southern Ontario: Part I. Sensitivity Analysis, Calibration, and Validation. <i>Water Quality Research Journal of Canada</i> , 2007 , 42, 202-218	1.7	14
116	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
115	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
114	A generalized linear stochastic model for lake level prediction. <i>Science of the Total Environment</i> , 2020 , 723, 138015	10.2	13
113	Enhanced roadside drainage system for environmentally sensitive areas. <i>Science of the Total Environment</i> , 2018 , 610-611, 613-622	10.2	13
112	Ecological benefit of the road salt code of practice. <i>Water Quality Research Journal of Canada</i> , 2014 , 49, 43-52	1.7	13
111	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
110	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
109	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
108	Modelling of three-dimensional flow velocities in a deep hole in the East Channel of the Mackenzie Delta, Northwest Territories. <i>Canadian Journal of Civil Engineering</i> , 2007 , 34, 1312-1323	1.3	11

107	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
106	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
105	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	8.7	11
104	A Methodology for Forecasting Dissolved Oxygen in Urban Streams. <i>Water (Switzerland)</i> , 2020 , 12, 25683	3	10
103	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
102	Salt vulnerability assessment methodology for municipal supply wells. <i>Journal of Hydrology</i> , 2015 , 531, 523-533	6	10
101	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
100	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
99	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
98	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
97	Discharge Coefficient of Rectangular Side Weirs on Circular Channels. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2016 , 17, 391-399	1.8	10
96	Empirical models for longitudinal dispersion coefficient in natural streams. <i>Journal of Hydrology</i> , 2019 , 575, 1359-1361	6	10
95	Multi-objective evolutionary polynomial regression-based prediction of energy consumption probing. <i>Water Science and Technology</i> , 2017 , 75, 2791-2799	2.2	9
94	Developing an AI-based method for river discharge forecasting using satellite signals. <i>Theoretical and Applied Climatology</i> , 2019 , 138, 347-362	3	9
93	A Non-Tuned Machine Learning Technique for Abutment Scour Depth in Clear Water Condition. <i>Water (Switzerland)</i> , 2020 , 12, 301	3	9
92	Comparison of CANWET and HSPF for water budget and water quality modeling in rural Ontario. <i>Water Quality Research Journal of Canada</i> , 2014 , 49, 53-71	1.7	9
91	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
90	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

89	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
88	Predicting Breaking Wave Conditions Using Gene Expression Programming. <i>Coastal Engineering Journal</i> , 2017 , 59, 1750017-1-1750017-14	2.8	8
87	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
86	Evaluating and Calibrating Reference Evapotranspiration Models Using Water Balance under Hyper-Arid Environment. <i>Water Resources Management</i> , 2016 , 30, 3745-3767	3.7	8
85	Evolutionary design of a generalized polynomial neural network for modelling sediment transport in clean pipes. <i>Engineering Optimization</i> , 2016 , 48, 1793-1807	2	8
84	Understanding the dynamic nature of Time-to-Peak in UK streams. <i>Journal of Hydrology</i> , 2020 , 583, 124680		8
83	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
82	Development of robust evolutionary polynomial regression network in the estimation of stable alluvial channel dimensions. <i>Geomorphology</i> , 2020 , 350, 106895	4.3	8
81	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
80	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
79	A new dust transport approach to quantify anthropogenic sources of atmospheric PM 10 deposition on lakes. <i>Atmospheric Environment</i> , 2014 , 96, 380-392	5.3	7
78	Mapping key agricultural sources of dust emissions within the Lake Simcoe airshed. <i>Inland Waters</i> , 2013 , 3, 153-166	2.4	7
77	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
76	Evolutionary Prediction of Biohydrogen Production by Dark Fermentation. <i>Clean - Soil, Air, Water</i> , 2019 , 47, 1700494	1.6	7
75	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
74	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
73	A group Multi-Criteria Decision-Making method for water supply choice optimization. <i>Socio-Economic Planning Sciences</i> , 2021 , 77, 101006	3.7	7
72	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

71	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
70	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
69	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
68	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
67	An experimental and modeling study of evapotranspiration from integrated green roof photovoltaic systems. <i>Ecological Engineering</i> , 2020 , 152, 105767	3.9	6
66	Early detection of riverine flooding events using the group method of data handling for the Bow River, Alberta, Canada. <i>International Journal of River Basin Management</i> , 1-12	1.7	6
65	Design of a new hybrid artificial neural network method based on decision trees for calculating the Froude number in rigid rectangular channels. <i>Journal of Hydrology and Hydromechanics</i> , 2016 , 64, 252-260	2.1	6
64	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
63	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
62	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
61	Effectiveness of Compost Biofilters in Removal of Sediments from Construction Site Runoff. <i>Water Quality Research Journal of Canada</i> , 2009 , 44, 71-80	1.7	5
60	Evaluation of the Root Zone Water Quality Model (RZWQM) for Southern Ontario: Part II. Simulating Long-Term Effects of Nitrogen Management Practices on Crop Yield and Subsurface Drainage Water Quality. <i>Water Quality Research Journal of Canada</i> , 2007 , 42, 219-230	1.7	5
59	Bed Load Sediment Transport in Sewers at Limit of Deposition. <i>Scientia Iranica</i> , 2016 , 23, 907-917	1.5	5
58	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
57	Evolutionary prediction of electrocoagulation efficiency and energy consumption probing64, 54-63		5
56	A novel boosting ensemble committee-based model for local scour depth around non-uniformly spaced pile groups. <i>Engineering With Computers</i> , 1	4.5	5
55	A nonlinear simulation method based on a combination of multilayer perceptron and decision trees for predicting non-deposition sediment transport. <i>Water Science and Technology: Water Supply</i> , 2016 , 16, 1198-1206	1.4	5
54	Evolutionary optimization of neural network to predict sediment transport without sedimentation. <i>Complex & Intelligent Systems</i> , 2021 , 7, 401-416	7.1	5

53	Machine Learning Models for Predicting Water Quality of Treated Fruit and Vegetable Wastewater. <i>Water (Switzerland)</i> , 2021 , 13, 2485	3	5
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