Bahram Gharabaghi

List of Publications by Year
in descending order

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361 papers	8,780 citations	46918 47 h-index	102304 66 g-index

373 all docs	373 docs citations	373 times ranked	5250 citing authors

#	Article	IF	Citations
1	Novel approach for streamflow forecasting using a hybrid ANFIS-FFA model. Journal of Hydrology, 2017, 554, 263-276.	2.3	192
2	Forecasting air quality time series using deep learning. Journal of the Air and Waste Management Association, 2018, 68, 866-886.	0.9	172
3	A Review of High Impact Weather for Aviation Meteorology. Pure and Applied Geophysics, 2019, 176, 1869-1921.	0.8	162
4	Groundwater chloride response in the Highland Creek watershed due to road salt application: A re-assessment after 20years. Journal of Hydrology, 2013, 479, 159-168.	2.3	114
5	Gene expression programming to predict the discharge coefficient in rectangular side weirs. Applied Soft Computing Journal, 2015, 35, 618-628.	4.1	114
6	Gene expression models for prediction of longitudinal dispersion coefficient in streams. Journal of Hydrology, 2015, 524, 587-596.	2.3	112
7	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
8	A multiscale and multivariate analysis of precipitation and streamflow variability in relation to ENSO, NAO and PDO. Journal of Hydrology, 2019, 574, 288-307.	2.3	105
9	Rainfall Pattern Forecasting Using Novel Hybrid Intelligent Model Based ANFIS-FFA. Water Resources Management, 2018, 32, 105-122.	1.9	101
10	Extreme learning machine model for water network management. Neural Computing and Applications, 2019, 31, 157-169.	3.2	99
11	Performance Evaluation of Adaptive Neural Fuzzy Inference System for Sediment Transport in Sewers. Water Resources Management, 2014, 28, 4765-4779.	1.9	90
12	GMDH-type neural network approach for modeling the discharge coefficient of rectangular sharp-crested side weirs. Engineering Science and Technology, an International Journal, 2015, 18, 746-757.	2.0	89
13	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
14	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
15	Comparative analysis of GMDH neural network based on genetic algorithm and particle swarm optimization in stable channel design. Applied Mathematics and Computation, 2017, 313, 271-286.	1.4	80
16	Evaluation of Sediment Transport in Sewer using Artificial Neural Network. Engineering Applications of Computational Fluid Mechanics, 2013, 7, 382-392.	1.5	78
17	Novel Hybrid Data-Intelligence Model for Forecasting Monthly Rainfall with Uncertainty Analysis. Water (Switzerland), 2019, 11, 502.	1.2	78
18	Implementation of Univariate Paradigm for Streamflow Simulation Using Hybrid Data-Driven Model: Case Study in Tropical Region. IEEE Access, 2019, 7, 74471-74481.	2.6	76

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19	Prediction of flow duration curves for ungauged basins. Journal of Hydrology, 2017, 545, 383-394.	2.3	74
20	Pareto genetic design of group method of data handling type neural network for prediction discharge coefficient in rectangular side orifices. Flow Measurement and Instrumentation, 2015, 41, 67-74.	1.0	71
21	Predicting wastewater treatment plant quality parameters using a novel hybrid linear-nonlinear methodology. Journal of Environmental Management, 2019, 240, 463-474.	3.8	71
22	A reliable linear stochastic daily soil temperature forecast model. Soil and Tillage Research, 2019, 189, 73-87.	2.6	71
23	Integrated SARIMA with Neuro-Fuzzy Systems and Neural Networks for Monthly Inflow Prediction. Water Resources Management, 2017, 31, 2141-2156.	1.9	68
24	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. Engineering Optimization, 2016, 48, 933-948.	1.5	65
25	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
26	Lake Water-Level fluctuations forecasting using Minimax Probability Machine Regression, Relevance Vector Machine, Gaussian Process Regression, and Extreme Learning Machine. Water Resources Management, 2019, 33, 3965-3984.	1.9	63
27	Design of radial basis function-based support vector regression in predicting the discharge coefficient of a side weir in a trapezoidal channel. Applied Water Science, 2019, 9, 1.	2.8	62
28	New insights into soil temperature time series modeling: linear or nonlinear?. Theoretical and Applied Climatology, 2019, 135, 1157-1177.	1.3	62
29	Turbulent velocity profile in fully-developed open channel flows. Environmental Fluid Mechanics, 2008, 8, 1-17.	0.7	61
30	Forecasting monthly inflow with extreme seasonal variation using the hybrid SARIMA-ANN model. Stochastic Environmental Research and Risk Assessment, 2017, 31, 1997-2010.	1.9	61
31	Extreme learning machine assessment for estimating sediment transport in open channels. Engineering With Computers, 2016, 32, 691-704.	3.5	60
32	Predicting the Timing of Water Main Failure Using Artificial Neural Networks. Journal of Water Resources Planning and Management - ASCE, 2014, 140, 425-434.	1.3	59
33	Evolutionary Pareto optimization of an ANFIS network for modeling scour at pile groups in clear water condition. Fuzzy Sets and Systems, 2017, 319, 50-69.	1.6	59
34	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
35	Effectiveness of Vegetative Filter Strips in Removal of Sediments from Overland Flow. Water Quality Research Journal of Canada, 2006, 41, 275-282.	1.2	58
36	Design of a support vector machine with different kernel functions to predict scour depth around bridge piers. Natural Hazards, 2016, 84, 2145-2162.	1.6	58

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37	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
38	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
39	Prediction of scour depth around bridge piers using self-adaptive extreme learning machine. Journal of Hydroinformatics, 2017, 19, 207-224.	1.1	56
40	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
41	Impervious surfaces and sewer pipe effects on stormwater runoff temperature. Journal of Hydrology, 2013, 502, 10-17.	2.3	53
42	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
43	A reliable linear method for modeling lake level fluctuations. Journal of Hydrology, 2019, 570, 236-250.	2.3	53
44	Abutment scour depth modeling using neuro-fuzzy-embedded techniques. Marine Georesources and Geotechnology, 2019, 37, 190-200.	1.2	53
45	Estimating 2-year flood flows using the generalized structure of the Group Method of Data Handling. Journal of Hydrology, 2019, 575, 671-689.	2.3	52
46	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
47	Design criteria for sediment transport in sewers based on self-cleansing concept. Journal of Zhejiang University: Science A, 2014, 15, 914-924.	1.3	50
48	Event-based total suspended sediment particle size distribution model. Journal of Hydrology, 2016, 536, 236-246.	2.3	50
49	Genetic-Algorithm-Optimized Sequential Model for Water Temperature Prediction. Sustainability, 2020, 12, 5374.	1.6	50
50	Forecasting watermain failure using artificial neural network modelling. Canadian Water Resources Journal, 2013, 38, 24-33.	0.5	49
51	Performance evaluation of two different neural network and particle swarm optimization methods for prediction of discharge capacity of modified triangular side weirs. Flow Measurement and Instrumentation, 2014, 40, 149-156.	1.0	48
52	Prediction of Timing of Watermain Failure Using Gene Expression Models. Water Resources Management, 2016, 30, 1635-1651.	1.9	48
53	A combined support vector machine-wavelet transform model for prediction of sediment transport in sewer. Flow Measurement and Instrumentation, 2016, 47, 19-27.	1.0	47
54	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

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55	Integrative neural networks model for prediction of sediment rating curve parameters for ungauged basins. Journal of Hydrology, 2015, 531, 1095-1107.	2.3	46
56	Comparison between Shannon and Tsallis entropies for prediction of shear stress distribution in open channels. Stochastic Environmental Research and Risk Assessment, 2015, 29, 1-11.	1.9	46
57	Assessment of evolutionary algorithms in predicting non-deposition sediment transport. Urban Water Journal, 2016, 13, 499-510.	1.0	46
58	Bed load sediment transport estimation in a clean pipe using multilayer perceptron with different training algorithms. KSCE Journal of Civil Engineering, 2016, 20, 581-589.	0.9	46
59	Road salt application planning tool for winter de-icing operations. Journal of Hydrology, 2015, 524, 401-410.	2.3	45
60	Entropy-based neural networks model for flow duration curves at ungauged sites. Journal of Hydrology, 2015, 529, 1007-1020.	2.3	45
61	Predictive equation for longitudinal dispersion coefficient. Hydrological Processes, 2015, 29, 161-172.	1.1	44
62	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
63	Impact of Normalization and Input on ARMAX-ANN Model Performance in Suspended Sediment Load Prediction. Water Resources Management, 2018, 32, 845-863.	1.9	44
64	Sediment transport modeling in rigid boundary open channels using generalize structure of group method of data handling. Journal of Hydrology, 2019, 577, 123951.	2.3	44
65	Design of an adaptive neuro-fuzzy computing technique for predicting flow variables in a 90Â° sharp bend. Journal of Hydroinformatics, 2017, 19, 572-585.	1.1	43
66	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
67	Optimizing operating rules for multi-reservoir hydropower generation systems: An adaptive hybrid differential evolution algorithm. Renewable Energy, 2021, 167, 774-790.	4.3	43
68	Comparison of genetic algorithm and imperialist competitive algorithms in predicting bed load transport in clean pipe. Water Science and Technology, 2014, 70, 1695-1701.	1.2	42
69	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
70	Prediction of wave runup on beaches using Gene-Expression Programming and empirical relationships. Coastal Engineering, 2019, 144, 47-61.	1.7	40
71	Assessment of the Contributions of Traditional Qanats in Sustainable Water Resources Management. International Journal of Water Resources Development, 2006, 22, 575-588.	1.2	39
72	Modeling unsaturated hydraulic conductivity by hybrid soft computing techniques. Soft Computing, 2019, 23, 12897-12910.	2.1	39

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73	The natural history and fisheries ecology of Lake Chilwa, southern Malawi. Journal of Great Lakes Research, 2011, 37, 15-25.	0.8	38
74	Open channel junction velocity prediction by using a hybrid self-neuron adjustable artificial neural network. Flow Measurement and Instrumentation, 2016, 49, 46-51.	1.0	38
75	A support vector regression-firefly algorithm-based model for limiting velocity prediction in sewer pipes. Water Science and Technology, 2016, 73, 2244-2250.	1.2	38
76	Least limiting water range as affected by soil texture and cropping system. Agricultural Water Management, 2014, 136, 34-41.	2.4	37
77	Improving the performance of multi-layer perceptron and radial basis function models with a decision tree model to predict flow variables in a sharp 90Â° bend. Applied Soft Computing Journal, 2016, 48, 563-583.	4.1	37
78	Integrative neural networks models for stream assessment in restoration projects. Journal of Hydrology, 2016, 536, 339-350.	2.3	37
79	Monthly reservoir inflow forecasting using a new hybrid SARIMA genetic programming approach. Journal of Earth System Science, 2017, 126, 1.	0.6	37
80	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
81	Simulation of open channel bend characteristics using computational fluid dynamics and artificial neural networks. Engineering Applications of Computational Fluid Mechanics, 2015, 9, 355-369.	1.5	36
82	Soil amendments for heavy metals removal from stormwater runoff discharging to environmentally sensitive areas. Journal of Hydrology, 2015, 529, 1478-1487.	2.3	36
83	A modified FAO evapotranspiration model for refined water budget analysis for Green Roof systems. Ecological Engineering, 2018, 119, 45-53.	1.6	36
84	Temperature effect on the transport of bromide and E. coli NAR in saturated soils. Journal of Hydrology, 2015, 522, 418-427.	2.3	35
85	Estimating Sediment Yield from Upland and Channel Erosion at A Watershed Scale Using SWAT. Water Resources Management, 2015, 29, 1399-1412.	1.9	34
86	Estimation of the Darcyâ€“Weisbach friction factor for ungauged streams using Gene Expression Programming and Extreme Learning Machines. Journal of Hydrology, 2019, 568, 311-321.	2.3	34
87	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
88	Effect of regenerated soil structure on unsaturated transport of Escherichia coli and bromide. Journal of Hydrology, 2012, 430-431, 80-90.	2.3	33
89	Application of a Neuro-Fuzzy GMDH Model for Predicting the Velocity at Limit of Deposition in Storm Sewers. Journal of Pipeline Systems Engineering and Practice, 2017, 8, .	0.9	33
90	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

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91	Predicting stable alluvial channel profiles using emotional artificial neural networks. Applied Soft Computing Journal, 2019, 78, 420-437.	4.1	33
92	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
93	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
94	Processing, Carbonization, and Characterization of Lignin Based Electrospun Carbon Fibers: A Review. Frontiers in Energy Research, 2020, 8, .	1.2	33
95	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
96	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
97	Reservoir water level forecasting using group method of data handling. Acta Geophysica, 2018, 66, 717-730.	1.0	32
98	Application of artificial neural network and genetic programming models for estimating the longitudinal velocity field in open channel junctions. Flow Measurement and Instrumentation, 2015, 41, 81-89.	1.0	31
99	Firefly optimization algorithm effect on support vector regression prediction improvement of a modified labyrinth side weir's discharge coefficient. Applied Mathematics and Computation, 2016, 274, 14-19.	1.4	31
100	New Approach to Estimate Velocity at Limit of Deposition in Storm Sewers Using Vector Machine Coupled with Firefly Algorithm. Journal of Pipeline Systems Engineering and Practice, 2017, 8, .	0.9	31
101	Flow and temperature dynamics in an urban canyon under a comprehensive set of wind directions, wind speeds, and thermal stability conditions. Environmental Fluid Mechanics, 2019, 19, 81-109.	0.7	31
102	Exploring the Role of Advertising Types on Improving the Water Consumption Behavior: An Application of Integrated Fuzzy AHP and Fuzzy VIKOR Method. Sustainability, 2020, 12, 1232.	1.6	31
103	Extension of Fuzzy Delphi AHP Based on Interval-Valued Fuzzy Sets and its Application in Water Resource Rating Problems. Water Resources Management, 2016, 30, 3123-3141.	1.9	30
104	Seasonal and spatial distribution patterns of atmospheric phosphorus deposition to Lake Simcoe, ON. Journal of Great Lakes Research, 2011, 37, 15-25.	0.8	29
105	Event-based stormwater management pond runoff temperature model. Journal of Hydrology, 2016, 540, 306-316.	2.3	29
106	Artificial intelligence models for prediction of the aeration efficiency of the stepped weir. Flow Measurement and Instrumentation, 2019, 65, 78-89.	1.0	29
107	Hourly road pavement surface temperature forecasting using deep learning models. Journal of Hydrology, 2021, 603, 126877.	2.3	29
108	Road Salt Application in Highland Creek Watershed, Toronto, Ontario - Chloride Mass Balance. Water Quality Research Journal of Canada, 2010, 45, 451-461.	1.2	29

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109	Comparison of slope stability in two Brazilian municipal landfills. Waste Management, 2008, 28, 1509-1517.	3.7	28
110	Assessment of Stochastic Models and a Hybrid Artificial Neural Network-Genetic Algorithm Method in Forecasting Monthly Reservoir Inflow. INAE Letters, 2017, 2, 13-23.	1.0	28
111	Design of a fuzzy differential evolution algorithm to predict non-deposition sediment transport. Applied Water Science, 2017, 7, 4287-4299.	2.8	28
112	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
113	A generalized linear stochastic model for lake level prediction. Science of the Total Environment, 2020, 723, 138015.	3.9	28
114	A Non-Tuned Machine Learning Technique for Abutment Scour Depth in Clear Water Condition. Water (Switzerland), 2020, 12, 301.	1.2	28
115	Evolution of Ontario's Stormwater Management Planning and Design Guidance. Water Quality Research Journal of Canada, 2004, 39, 343-355.	1.2	27
116	Influence of position and type of Doppler flow meters on flow-rate measurement in sewers using computational fluid dynamic. Flow Measurement and Instrumentation, 2011, 22, 225-234.	1.0	27
117	Velocity Distribution in Open Channel Flows: Analytical Approach for the Outer Region. Journal of Hydraulic Engineering, 2013, 139, 37-43.	0.7	27
118	Predicting Saturated Hydraulic Conductivity by Artificial Intelligence and Regression Models. ISRN Soil Science, 2013, 2013, 1-8.	0.8	27
119	Design of modified structure multi-layer perceptron networks based on decision trees for the prediction of flow parameters in 90Â° open-channel bends. Engineering Applications of Computational Fluid Mechanics, 2016, 10, 193-208.	1.5	27
120	Integrated Markov chains and uncertainty analysis techniques to more accurately forecast floods using satellite signals. Journal of Hydrology, 2019, 572, 75-95.	2.3	27
121	Stream Chloride Monitoring Program of City of Toronto: Implications of Road Salt Application. Water Quality Research Journal of Canada, 2009, 44, 132-140.	1.2	27
122	Prediction of watermain failure frequencies using multiple and Poisson regression. Water Science and Technology: Water Supply, 2009, 9, 9-19.	1.0	26
123	Closed-Form Solution for Flow Field in Curved Channels in Comparison with Experimental and Numerical Analyses and Artificial Neural Network. Engineering Applications of Computational Fluid Mechanics, 2012, 6, 514-526.	1.5	26
124	Water supply management using an extended group fuzzy decision-making method: a case study in north-eastern Iran. Applied Water Science, 2015, 5, 291-304.	2.8	26
125	An expert system with radial basis function neural network based on decision trees for predicting sediment transport in sewers. Water Science and Technology, 2016, 74, 176-183.	1.2	26
126	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

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127	Stochastic model stationarization by eliminating the periodic term and its effect on time series prediction. Journal of Hydrology, 2017, 547, 348-364.	2.3	25
128	Integrated nonlinear daily water demand forecast model (case study: City of Guelph, Canada). Journal of Hydrology, 2019, 579, 124182.	2.3	25
129	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
130	A comprehensive review of ephemeral gully erosion models. Catena, 2020, 195, 104901.	2.2	24
131	Development of optimal water supply plan using integrated fuzzy Delphi and fuzzy <scp>ELECTRE III</scp> methodsâ€"Case study of the Gamasiab basin. Expert Systems, 2020, 37, e12568.	2.9	24
132	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
133	Sensitivity analysis of the discharge coefficient of a modified triangular side weir by adaptive neuro-fuzzy methodology. Measurement: Journal of the International Measurement Confederation, 2015, 73, 74-81.	2.5	23
134	Highway runoff quality models for the protection of environmentally sensitive areas. Journal of Hydrology, 2016, 542, 143-155.	2.3	23
135	Reference Time of Concentration Estimation for Ungauged Catchments. Earth Science Research, 2018, 7, 58.	0.3	23
136	Integrated preprocessing techniques with linear stochastic approaches in groundwater level forecasting. Acta Geophysica, 2021, 69, 1395-1411.	1.0	23
137	Salt vulnerability assessment methodology for urban streams. Journal of Hydrology, 2014, 517, 877-888.	2.3	22
138	Event-based soil loss models for construction sites. Journal of Hydrology, 2015, 524, 780-788.	2.3	22
139	Urban stormwater thermal gene expression models for protection of sensitive receiving streams. Hydrological Processes, 2017, 31, 2330-2348.	1.1	22
140	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. Measurement: Journal of the International Measurement Confederation, 2020, 152, 107291.	2.5	22
141	GLUE uncertainty analysis of hybrid models for predicting hourly soil temperature and application wavelet coherence analysis for correlation with meteorological variables. Soft Computing, 2021, 25, 10723-10748.	2.1	22
142	A group Multi-Criteria Decision-Making method for water supply choice optimization. Socio-Economic Planning Sciences, 2021, 77, 101006.	2.5	22
143	Reservoir management under predictable climate variability and change. Journal of Water and Climate Change, 2015, 6, 472-485.	1.2	21
144	Using Data Mining to Understand Drinking Water Advisories in Small Water Systems: a Case Study of Ontario First Nations Drinking Water Supplies. Water Resources Management, 2015, 29, 5129-5139.	1.9	21

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145	Prediction of Incipient Breaking Wave-Heights Using Artificial Neural Networks and Empirical Relationships. Coastal Engineering Journal, 2015, 57, 1550018-1-1550018-27.	0.7	21
146	Predicting the velocity field in a 90Â° Open channel bend using a gene expression programming model. Flow Measurement and Instrumentation, 2015, 46, 189-192.	1.0	21
147	Prediction of boundary shear stress in circular and trapezoidal channels with entropy concept. Urban Water Journal, 2016, 13, 629-636.	1.0	21
148	Municipal Solid Waste Slope Stability Modeling: A Probabilistic Approach. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2017, 143, .	1.5	21
149	Stable alluvial channel design using evolutionary neural networks. Journal of Hydrology, 2018, 566, 770-782.	2.3	21
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. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 902-910.	2.7	21
151	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
152	Prognostication of Shortwave Radiation Using an Improved No-Tuned Fast Machine Learning. Sustainability, 2021, 13, 8009.	1.6	21
153	Spatial-Temporal Dynamics of Runoff Generation Areas in a Small Agricultural Watershed in Southern Ontario. Journal of Water Resource and Protection, 2015, 07, 14-40.	0.3	21
154	Trends in rainfall intensity for stormwater designs in Ontario. Journal of Water and Climate Change, 2012, 3, 1-10.	1.2	20
155	Closure to â€œAn integrated framework of extreme learning machines for predicting scour at pile groups in clear water conditionâ€•by: I. Ebtehaj, H. Bonakdari, F. Moradi, B. Gharabaghi, Z. Sheikh Khozani. Coastal Engineering, 2019, 147, 135-137.	1.7	20
156	A Methodology for Forecasting Dissolved Oxygen in Urban Streams. Water (Switzerland), 2020, 12, 2568.	1.2	20
157	Predicting the geometry of regime rivers using M5 model tree, multivariate adaptive regression splines and least square support vector regression methods. International Journal of River Basin Management, 2019, 17, 333-352.	1.5	19
158	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
159	Evaluation of sediment control pond performance at construction sites in the Greater Toronto Area. Canadian Journal of Civil Engineering, 2006, 33, 1335-1344.	0.7	18
160	Compost Biofilters For Highway Stormwater Runoff Treatment. Water Quality Research Journal of Canada, 2010, 45, 391-402.	1.2	18
161	Evaluation of the Qualitative Habitat Evaluation Index as a Planning and Design Tool for Restoration of Rural Ontario Waterways. Canadian Water Resources Journal, 2011, 36, 149-158.	0.5	18
162	Estimating the shear stress distribution in circular channels based on the randomized neural network technique. Applied Soft Computing Journal, 2017, 58, 441-448.	4.1	18

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163	Formulating the shear stress distribution in circular open channels based on the Renyi entropy. Physica A: Statistical Mechanics and Its Applications, 2018, 490, 114-126.	1.2	18
164	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
165	Robustness lake water level prediction using the search heuristic-based artificial intelligence methods. ISH Journal of Hydraulic Engineering, 2019, 25, 316-324.	1.1	18
166	A Comparative Study of Linear Stochastic with Nonlinear Daily River Discharge Forecast Models. Water Resources Management, 2020, 34, 3689-3708.	1.9	18
167	Bacterial filtration rates in repacked and weathered soil columns. Geoderma, 2011, 167-168, 204-213.	2.3	17
168	Ecological benefit of the road salt code of practice. Water Quality Research Journal of Canada, 2014, 49, 43-52.	1.2	17
169	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
170	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
171	A pareto design of evolutionary hybrid optimization of ANFIS model in prediction abutment scour depth. Sadhana - Academy Proceedings in Engineering Sciences, 2019, 44, 1.	0.8	17
172	Assessment of geomorphological bank evolution of the alluvial threshold rivers based on entropy concept parameters. Hydrological Sciences Journal, 2019, 64, 856-872.	1.2	17
173	Spatial variability analysis and mapping of soil physical and chemical attributes in a salt-affected soil. Arabian Journal of Geosciences, 2019, 12, 1.	0.6	17
174	Discussion of â€œComparative assessment of time series and artificial intelligence models to estimate monthly streamflow: A local and external data analysis approachâ€•by Saeid Mehdizadeh, Farshad Fathian, Mir Jafar Sadegh Safari and Jan F. Adamowski. Journal of Hydrology, 2020, 583, 124614.	2.3	17
175	An experimental and modeling study of evapotranspiration from integrated green roof photovoltaic systems. Ecological Engineering, 2020, 152, 105767.	1.6	17
176	Evaluation of Weather Generator ClimGen for Southern Ontario. Canadian Water Resources Journal, 2005, 30, 315-330.	0.5	16
177	Evaluation of the Root Zone Water Quality Model (RZWQM) for Southern Ontario: Part I. Sensitivity Analysis, Calibration, and Validation. Water Quality Research Journal of Canada, 2007, 42, 202-218.	1.2	16
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