

# Bahram Gharabaghi

## List of Publications by Citations

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346  
papers

6,071  
citations

40  
h-index

54  
g-index

373  
ext. papers

7,355  
ext. citations

3.4  
avg, IF

6.79  
L-index

#	Paper	IF	Citations
346	Novel approach for streamflow forecasting using a hybrid ANFIS-FFA model. <i>Journal of Hydrology</i> , <b>2017</b> , 554, 263-276	6	134
345	Groundwater chloride response in the Highland Creek watershed due to road salt application: A re-assessment after 20 years. <i>Journal of Hydrology</i> , <b>2013</b> , 479, 159-168	6	99
344	Gene expression programming to predict the discharge coefficient in rectangular side weirs. <i>Applied Soft Computing Journal</i> , <b>2015</b> , 35, 618-628	7.5	96
343	Gene expression models for prediction of longitudinal dispersion coefficient in streams. <i>Journal of Hydrology</i> , <b>2015</b> , 524, 587-596	6	92
342	Forecasting air quality time series using deep learning. <i>Journal of the Air and Waste Management Association</i> , <b>2018</b> , 68, 866-886	2.4	88
341	Application of firefly algorithm-based support vector machines for prediction of field capacity and permanent wilting point. <i>Soil and Tillage Research</i> , <b>2017</b> , 172, 32-38	6.5	84
340	Rainfall Pattern Forecasting Using Novel Hybrid Intelligent Model Based ANFIS-FFA. <i>Water Resources Management</i> , <b>2018</b> , 32, 105-122	3.7	82
339	A Review of High Impact Weather for Aviation Meteorology. <i>Pure and Applied Geophysics</i> , <b>2019</b> , 176, 1869-1921	2.2	80
338	Performance Evaluation of Adaptive Neural Fuzzy Inference System for Sediment Transport in Sewers. <i>Water Resources Management</i> , <b>2014</b> , 28, 4765-4779	3.7	75
337	GMDH-type neural network approach for modeling the discharge coefficient of rectangular sharp-crested side weirs <b>2015</b> , 18, 746-757		61
336	An integrated framework of Extreme Learning Machines for predicting scour at pile groups in clear water condition. <i>Coastal Engineering</i> , <b>2018</b> , 135, 1-15	4.8	61
335	Comparative analysis of GMDH neural network based on genetic algorithm and particle swarm optimization in stable channel design. <i>Applied Mathematics and Computation</i> , <b>2017</b> , 313, 271-286	2.7	61
334	Evaluation of Sediment Transport in Sewer using Artificial Neural Network. <i>Engineering Applications of Computational Fluid Mechanics</i> , <b>2013</b> , 7, 382-392	4.5	61
333	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> , <b>2015</b> , 41, 67-74	2.2	58
332	Prediction of flow duration curves for ungauged basins. <i>Journal of Hydrology</i> , <b>2017</b> , 545, 383-394	6	56
331	Novel Hybrid Data-Intelligence Model for Forecasting Monthly Rainfall with Uncertainty Analysis. <i>Water (Switzerland)</i> , <b>2019</b> , 11, 502	3	56
330	Extreme learning machine model for water network management. <i>Neural Computing and Applications</i> , <b>2019</b> , 31, 157-169	4.8	56

329	. <i>IEEE Access</i> , <b>2019</b> , 7, 74471-74481	3.5	55
328	A reliable linear stochastic daily soil temperature forecast model. <i>Soil and Tillage Research</i> , <b>2019</b> , 189, 73-87	6.5	54
327	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> , <b>2016</b> , 48, 933-948	2	52
326	Novel hybrid linear stochastic with non-linear extreme learning machine methods for forecasting monthly rainfall a tropical climate. <i>Journal of Environmental Management</i> , <b>2018</b> , 222, 190-206	7.9	50
325	Integrated SARIMA with Neuro-Fuzzy Systems and Neural Networks for Monthly Inflow Prediction. <i>Water Resources Management</i> , <b>2017</b> , 31, 2141-2156	3.7	49
324	A multiscale and multivariate analysis of precipitation and streamflow variability in relation to ENSO, NAO and PDO. <i>Journal of Hydrology</i> , <b>2019</b> , 574, 288-307	6	49
323	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> , <b>2018</b> , 121, 294-303	4.6	49
322	Effectiveness of Vegetative Filter Strips in Removal of Sediments from Overland Flow. <i>Water Quality Research Journal of Canada</i> , <b>2006</b> , 41, 275-282	1.7	49
321	Turbulent velocity profile in fully-developed open channel flows. <i>Environmental Fluid Mechanics</i> , <b>2008</b> , 8, 1-17	2.2	48
320	Forecasting monthly inflow with extreme seasonal variation using the hybrid SARIMA-ANN model. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2017</b> , 31, 1997-2010	3.5	47
319	New insights into soil temperature time series modeling: linear or nonlinear?. <i>Theoretical and Applied Climatology</i> , <b>2019</b> , 135, 1157-1177	3	46
318	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> , <b>2017</b> , 66, 655-666	1.1	45
317	Event-based total suspended sediment particle size distribution model. <i>Journal of Hydrology</i> , <b>2016</b> , 536, 236-246	6	45
316	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> , <b>2018</b> , 116, 473-482	4.6	45
315	Evolutionary Pareto optimization of an ANFIS network for modeling scour at pile groups in clear water condition. <i>Fuzzy Sets and Systems</i> , <b>2017</b> , 319, 50-69	3.7	44
314	Evolutionary design of generalized group method of data handling-type neural network for estimating the hydraulic jump roller length. <i>Acta Mechanica</i> , <b>2018</b> , 229, 1197-1214	2.1	44
313	Extreme learning machine assessment for estimating sediment transport in open channels. <i>Engineering With Computers</i> , <b>2016</b> , 32, 691-704	4.5	43
312	Abutment scour depth modeling using neuro-fuzzy-embedded techniques. <i>Marine Georesources and Geotechnology</i> , <b>2019</b> , 37, 190-200	2.2	43

311	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> , <b>2019</b> , 9, 1	5	41
310	Entropy-based neural networks model for flow duration curves at ungauged sites. <i>Journal of Hydrology</i> , <b>2015</b> , 529, 1007-1020	6	41
309	Predicting the Timing of Water Main Failure Using Artificial Neural Networks. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2014</b> , 140, 425-434	2.8	41
308	Comparison between Shannon and Tsallis entropies for prediction of shear stress distribution in open channels. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2015</b> , 29, 1-11	3.5	40
307	Performance evaluation of two different neural network and particle swarm optimization methods for prediction of discharge capacity of modified triangular side weirs. <i>Flow Measurement and Instrumentation</i> , <b>2014</b> , 40, 149-156	2.2	40
306	A combined support vector machine-wavelet transform model for prediction of sediment transport in sewer. <i>Flow Measurement and Instrumentation</i> , <b>2016</b> , 47, 19-27	2.2	39
305	Design criteria for sediment transport in sewers based on self-cleansing concept. <i>Journal of Zhejiang University: Science A</i> , <b>2014</b> , 15, 914-924	2.1	39
304	Prediction of scour depth around bridge piers using self-adaptive extreme learning machine. <i>Journal of Hydroinformatics</i> , <b>2017</b> , 19, 207-224	2.6	38
303	Predicting wastewater treatment plant quality parameters using a novel hybrid linear-nonlinear methodology. <i>Journal of Environmental Management</i> , <b>2019</b> , 240, 463-474	7.9	38
302	Prediction of Timing of Watermain Failure Using Gene Expression Models. <i>Water Resources Management</i> , <b>2016</b> , 30, 1635-1651	3.7	38
301	Integrative neural networks model for prediction of sediment rating curve parameters for ungauged basins. <i>Journal of Hydrology</i> , <b>2015</b> , 531, 1095-1107	6	38
300	Proposing a novel hybrid intelligent model for the simulation of particle size distribution resulting from blasting. <i>Engineering With Computers</i> , <b>2019</b> , 35, 47-56	4.5	38
299	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> , <b>2017</b> , 54, 216-223	2.2	37
298	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> , <b>2017</b> , 143, 04017015	1.1	37
297	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> , <b>2017</b> , 42, 1460-1471	3.7	37
296	Impervious surfaces and sewer pipe effects on stormwater runoff temperature. <i>Journal of Hydrology</i> , <b>2013</b> , 502, 10-17	6	37
295	Forecasting watermain failure using artificial neural network modelling. <i>Canadian Water Resources Journal</i> , <b>2013</b> , 38, 24-33	1.7	37
294	Predictive equation for longitudinal dispersion coefficient. <i>Hydrological Processes</i> , <b>2015</b> , 29, 161-172	3.3	36

293	A methodological approach of predicting threshold channel bank profile by multi-objective evolutionary optimization of ANFIS. <i>Engineering Geology</i> , <b>2018</b> , 239, 298-309	6	36
292	Assessment of evolutionary algorithms in predicting non-deposition sediment transport. <i>Urban Water Journal</i> , <b>2016</b> , 13, 499-510	2.3	36
291	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> , <b>2018</b> , 29, 249-258	4.8	35
290	Design of a support vector machine with different kernel functions to predict scour depth around bridge piers. <i>Natural Hazards</i> , <b>2016</b> , 84, 2145-2162	3	35
289	Design of an adaptive neuro-fuzzy computing technique for predicting flow variables in a 90° sharp bend. <i>Journal of Hydroinformatics</i> , <b>2017</b> , 19, 572-585	2.6	34
288	Comparison of genetic algorithm and imperialist competitive algorithms in predicting bed load transport in clean pipe. <i>Water Science and Technology</i> , <b>2014</b> , 70, 1695-701	2.2	34
287	A reliable linear method for modeling lake level fluctuations. <i>Journal of Hydrology</i> , <b>2019</b> , 570, 236-250	6	33
286	Bed load sediment transport estimation in a clean pipe using multilayer perceptron with different training algorithms. <i>KSCE Journal of Civil Engineering</i> , <b>2016</b> , 20, 581-589	1.9	32
285	Simulation of open channel bend characteristics using computational fluid dynamics and artificial neural networks. <i>Engineering Applications of Computational Fluid Mechanics</i> , <b>2015</b> , 9, 355-369	4.5	32
284	Road salt application planning tool for winter de-icing operations. <i>Journal of Hydrology</i> , <b>2015</b> , 524, 401-410	4	32
283	Integrative neural networks models for stream assessment in restoration projects. <i>Journal of Hydrology</i> , <b>2016</b> , 536, 339-350	6	32
282	Improving the performance of multi-layer perceptron and radial basis function models with a decision tree model to predict flow variables in a sharp 90° bend. <i>Applied Soft Computing Journal</i> , <b>2016</b> , 48, 563-583	7.5	32
281	Soil amendments for heavy metals removal from stormwater runoff discharging to environmentally sensitive areas. <i>Journal of Hydrology</i> , <b>2015</b> , 529, 1478-1487	6	31
280	Least limiting water range as affected by soil texture and cropping system. <i>Agricultural Water Management</i> , <b>2014</b> , 136, 34-41	5.9	30
279	The natural history and fisheries ecology of Lake Chilwa, southern Malawi. <i>Journal of Great Lakes Research</i> , <b>2011</b> , 37, 15-25	3	30
278	Prediction of wave runup on beaches using Gene-Expression Programming and empirical relationships. <i>Coastal Engineering</i> , <b>2019</b> , 144, 47-61	4.8	30
277	Effect of regenerated soil structure on unsaturated transport of Escherichia coli and bromide. <i>Journal of Hydrology</i> , <b>2012</b> , 430-431, 80-90	6	29
276	Application of artificial neural network and genetic programming models for estimating the longitudinal velocity field in open channel junctions. <i>Flow Measurement and Instrumentation</i> , <b>2015</b> , 41, 81-89	2.2	28

275	Estimating Sediment Yield from Upland and Channel Erosion at A Watershed Scale Using SWAT. <i>Water Resources Management</i> , <b>2015</b> , 29, 1399-1412	3.7	28
274	Temperature effect on the transport of bromide and E. coli NAR in saturated soils. <i>Journal of Hydrology</i> , <b>2015</b> , 522, 418-427	6	28
273	Assessment of the Contributions of Traditional Qanats in Sustainable Water Resources Management. <i>International Journal of Water Resources Development</i> , <b>2006</b> , 22, 575-588	3	28
272	Impact of Normalization and Input on ARMAX-ANN Model Performance in Suspended Sediment Load Prediction. <i>Water Resources Management</i> , <b>2018</b> , 32, 845-863	3.7	28
271	Estimating 2-year flood flows using the generalized structure of the Group Method of Data Handling. <i>Journal of Hydrology</i> , <b>2019</b> , 575, 671-689	6	27
270	A support vector regression-firefly algorithm-based model for limiting velocity prediction in sewer pipes. <i>Water Science and Technology</i> , <b>2016</b> , 73, 2244-50	2.2	27
269	Flow and temperature dynamics in an urban canyon under a comprehensive set of wind directions, wind speeds, and thermal stability conditions. <i>Environmental Fluid Mechanics</i> , <b>2019</b> , 19, 81-109	2.2	27
268	Monthly reservoir inflow forecasting using a new hybrid SARIMA genetic programming approach. <i>Journal of Earth System Science</i> , <b>2017</b> , 126, 1	1.8	26
267	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> , <b>2019</b> , 33, 3965-3984	3.7	26
266	Predicting stable alluvial channel profiles using emotional artificial neural networks. <i>Applied Soft Computing Journal</i> , <b>2019</b> , 78, 420-437	7.5	26
265	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> , <b>2017</b> , 8, 06016003	1.5	25
264	Evolution of Ontario's Stormwater Management Planning and Design Guidance. <i>Water Quality Research Journal of Canada</i> , <b>2004</b> , 39, 343-355	1.7	25
263	Genetic-Algorithm-Optimized Sequential Model for Water Temperature Prediction. <i>Sustainability</i> , <b>2020</b> , 12, 5374	3.6	25
262	An analysis of shear stress distribution in circular channels with sediment deposition based on Gene Expression Programming. <i>International Journal of Sediment Research</i> , <b>2017</b> , 32, 575-584	3	24
261	Modeling unsaturated hydraulic conductivity by hybrid soft computing techniques. <i>Soft Computing</i> , <b>2019</b> , 23, 12897-12910	3.5	24
260	Event-based stormwater management pond runoff temperature model. <i>Journal of Hydrology</i> , <b>2016</b> , 540, 306-316	6	24
259	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> , <b>2018</b> , 57, 1783-1795	6.1	23
258	Sediment transport modeling in rigid boundary open channels using generalize structure of group method of data handling. <i>Journal of Hydrology</i> , <b>2019</b> , 577, 123951	6	23

257	Closed-Form Solution for Flow Field in Curved Channels in Comparison with Experimental and Numerical Analyses and Artificial Neural Network. <i>Engineering Applications of Computational Fluid Mechanics</i> , <b>2012</b> , 6, 514-526	4.5	23
256	Comparison of slope stability in two Brazilian municipal landfills. <i>Waste Management</i> , <b>2008</b> , 28, 1509-17	8.6	23
255	Assessment of Stochastic Models and a Hybrid Artificial Neural Network-Genetic Algorithm Method in Forecasting Monthly Reservoir Inflow. <i>INAE Letters</i> , <b>2017</b> , 2, 13-23	0.7	22
254	Design of modified structure multi-layer perceptron networks based on decision trees for the prediction of flow parameters in 90° open-channel bends. <i>Engineering Applications of Computational Fluid Mechanics</i> , <b>2016</b> , 10, 193-208	4.5	22
253	A modified FAO evapotranspiration model for refined water budget analysis for Green Roof systems. <i>Ecological Engineering</i> , <b>2018</b> , 119, 45-53	3.9	22
252	Influence of position and type of Doppler flow meters on flow-rate measurement in sewers using computational fluid dynamic. <i>Flow Measurement and Instrumentation</i> , <b>2011</b> , 22, 225-234	2.2	22
251	Road Salt Application in Highland Creek Watershed, Toronto, Ontario - Chloride Mass Balance. <i>Water Quality Research Journal of Canada</i> , <b>2010</b> , 45, 451-461	1.7	22
250	Estimation of the Darcy-Weisbach friction factor for ungauged streams using Gene Expression Programming and Extreme Learning Machines. <i>Journal of Hydrology</i> , <b>2019</b> , 568, 311-321	6	22
249	Reservoir water level forecasting using group method of data handling. <i>Acta Geophysica</i> , <b>2018</b> , 66, 717-730	2.0	22
248	Firefly optimization algorithm effect on support vector regression prediction improvement of a modified labyrinth side weir's discharge coefficient. <i>Applied Mathematics and Computation</i> , <b>2016</b> , 274, 14-19	2.7	21
247	Predicting Saturated Hydraulic Conductivity by Artificial Intelligence and Regression Models. <i>ISRN Soil Science</i> , <b>2013</b> , 2013, 1-8		21
246	Optimizing operating rules for multi-reservoir hydropower generation systems: An adaptive hybrid differential evolution algorithm. <i>Renewable Energy</i> , <b>2021</b> , 167, 774-790	8.1	21
245	Stochastic model stationarization by eliminating the periodic term and its effect on time series prediction. <i>Journal of Hydrology</i> , <b>2017</b> , 547, 348-364	6	20
244	Event-based soil loss models for construction sites. <i>Journal of Hydrology</i> , <b>2015</b> , 524, 780-788	6	20
243	Water supply management using an extended group fuzzy decision-making method: a case study in north-eastern Iran. <i>Applied Water Science</i> , <b>2015</b> , 5, 291-304	5	20
242	Prediction of boundary shear stress in circular and trapezoidal channels with entropy concept. <i>Urban Water Journal</i> , <b>2016</b> , 13, 629-636	2.3	20
241	Extension of Fuzzy Delphi AHP Based on Interval-Valued Fuzzy Sets and its Application in Water Resource Rating Problems. <i>Water Resources Management</i> , <b>2016</b> , 30, 3123-3141	3.7	20
240	Reliable method of determining stable threshold channel shape using experimental and gene expression programming techniques. <i>Neural Computing and Applications</i> , <b>2019</b> , 31, 5799-5817	4.8	20

239	The optimal dam site selection using a group decision-making method through fuzzy TOPSIS model. <i>Environment Systems and Decisions</i> , <b>2018</b> , 38, 471-488	4.1	19
238	Highway runoff quality models for the protection of environmentally sensitive areas. <i>Journal of Hydrology</i> , <b>2016</b> , 542, 143-155	6	19
237	Prediction of watermain failure frequencies using multiple and Poisson regression. <i>Water Science and Technology: Water Supply</i> , <b>2009</b> , 9, 9-19	1.4	19
236	Stream Chloride Monitoring Program of City of Toronto: Implications of Road Salt Application. <i>Water Quality Research Journal of Canada</i> , <b>2009</b> , 44, 132-140	1.7	19
235	Evaluation of preprocessing techniques for improving the accuracy of stochastic rainfall forecast models. <i>International Journal of Environmental Science and Technology</i> , <b>2020</b> , 17, 505-524	3.3	19
234	Stable alluvial channel design using evolutionary neural networks. <i>Journal of Hydrology</i> , <b>2018</b> , 566, 770-782		19
233	Urban stormwater thermal gene expression models for protection of sensitive receiving streams. <i>Hydrological Processes</i> , <b>2017</b> , 31, 2330-2348	3.3	18
232	Sensitivity analysis of the discharge coefficient of a modified triangular side weir by adaptive neuro-fuzzy methodology. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2015</b> , 73, 74-81	4.6	18
231	Predicting the velocity field in a 90° Open channel bend using a gene expression programming model. <i>Flow Measurement and Instrumentation</i> , <b>2015</b> , 46, 189-192	2.2	18
230	Remote Sensing Satellite Data Preparation for Simulating and Forecasting River Discharge. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2018</b> , 56, 3432-3441	8.1	18
229	Salt vulnerability assessment methodology for urban streams. <i>Journal of Hydrology</i> , <b>2014</b> , 517, 877-888	6	18
228	Velocity Distribution in Open Channel Flows: Analytical Approach for the Outer Region. <i>Journal of Hydraulic Engineering</i> , <b>2013</b> , 139, 37-43	1.8	18
227	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> , <b>2017</b> , 8, 04016018	1.5	18
226	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> , <b>2015</b> , 29, 5129-5139	3.7	18
225	Trends in rainfall intensity for stormwater designs in Ontario. <i>Journal of Water and Climate Change</i> , <b>2012</b> , 3, 1-10	2.3	18
224	Artificial intelligence models for prediction of the aeration efficiency of the stepped weir. <i>Flow Measurement and Instrumentation</i> , <b>2019</b> , 65, 78-89	2.2	18
223	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> , <b>2019</b> , 147, 135-137	4.8	17
222	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> , <b>2020</b> , 12, 1232	3.6	17



221	Uncertainty analysis of shear stress estimation in circular channels by Tsallis entropy. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2018</b> , 510, 558-576	3.3	17
220	Integrated nonlinear daily water demand forecast model (case study: City of Guelph, Canada). <i>Journal of Hydrology</i> , <b>2019</b> , 579, 124182	6	17
219	Reservoir management under predictable climate variability and change. <i>Journal of Water and Climate Change</i> , <b>2015</b> , 6, 472-485	2.3	17
218	Seasonal and spatial distribution patterns of atmospheric phosphorus deposition to Lake Simcoe, ON. <i>Journal of Great Lakes Research</i> , <b>2011</b> , 37, 15-25	3	17
217	Spatial-Temporal Dynamics of Runoff Generation Areas in a Small Agricultural Watershed in Southern Ontario. <i>Journal of Water Resource and Protection</i> , <b>2015</b> , 07, 14-40	0.7	17
216	Open channel junction velocity prediction by using a hybrid self-neuron adjustable artificial neural network. <i>Flow Measurement and Instrumentation</i> , <b>2016</b> , 49, 46-51	2.2	17
215	Formulating the shear stress distribution in circular open channels based on the Renyi entropy. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2018</b> , 490, 114-126	3.3	17
214	Estimating the shear stress distribution in circular channels based on the randomized neural network technique. <i>Applied Soft Computing Journal</i> , <b>2017</b> , 58, 441-448	7.5	16
213	Design of a fuzzy differential evolution algorithm to predict non-deposition sediment transport. <i>Applied Water Science</i> , <b>2017</b> , 7, 4287-4299	5	16
212	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> , <b>2016</b> , 74, 176-83	2.2	16
211	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> , <b>2019</b> , 1-11	1.5	16
210	Combination of sensitivity and uncertainty analyses for sediment transport modeling in sewer pipes. <i>International Journal of Sediment Research</i> , <b>2020</b> , 35, 157-170	3	16
209	Integrated Markov chains and uncertainty analysis techniques to more accurately forecast floods using satellite signals. <i>Journal of Hydrology</i> , <b>2019</b> , 572, 75-95	6	15
208	Scour depth model for grade-control structures. <i>Journal of Hydroinformatics</i> , <b>2018</b> , 20, 117-133	2.6	15
207	Prediction of Incipient Breaking Wave-Heights Using Artificial Neural Networks and Empirical Relationships. <i>Coastal Engineering Journal</i> , <b>2015</b> , 57, 1550018-1-1550018-27	2.8	15
206	Compost Biofilters For Highway Stormwater Runoff Treatment. <i>Water Quality Research Journal of Canada</i> , <b>2010</b> , 45, 391-402	1.7	15
205	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> , <b>2011</b> , 36, 149-158	1.7	15
204	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> , <b>2020</b> , 152, 107291	4.6	15

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