

Bahram Gharabaghi

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/7398080/bahram-gharabaghi-publications-by-year.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

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	Machine Learning to Predict Area Fugitive Emission Fluxes of GHGs from Open-Pit Mines. <i>Atmosphere</i> , 2022 , 13, 210	2.7	0
345	On the Prediction of Evaporation in Arid Climate Using Machine Learning Model. <i>Mathematical and Computational Applications</i> , 2022 , 27, 32	1	1
344	Distribution evaluation and normalizing 2022 , 87-132		
343	Forecasting time series by deep learning and hybrid methods 2022 , 265-320		
342	Goodness-of-fit & precision criteria 2022 , 187-264		
341	Preparation & stationarizing 2022 , 13-87		
340	Stochastic modeling 2022 , 133-187		
339	Reducing the Risk of Basement Flooding Through Building- and Lot-Scale Flood Mitigation Approaches: Performance of Foundation Drainage Systems. <i>Lecture Notes in Civil Engineering</i> , 2022 , 471-477	0.3	0
338	The Discharge Forecasting of Multiple Monitoring Station for Humber River by Hybrid LSTM Models. <i>Water (Switzerland)</i> , 2022 , 14, 1794	3	3
337	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	
336	Early detection model for the urban stream syndrome using specific stream power and regime theory. <i>Journal of Hydrology</i> , 2021 , 604, 127167	6	1
335	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	
334	An Implicit Approach for Numerical Simulation of Water Hammer Induced Pressure in a Straight Pipe. <i>Water Resources Management</i> , 2021 , 35, 5155	3.7	0
333	A Modified Distributed CN-VSA Method for Mapping of the Seasonally Variable Source Areas. <i>Water (Switzerland)</i> , 2021 , 13, 1270	3	
332	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
331	Flood Risk Management with Transboundary Conflict and Cooperation Dynamics in the Kabul River Basin. <i>Water (Switzerland)</i> , 2021 , 13, 1513	3	3
330	Total iron removal from aqueous solution by using modified clinoptilolite. <i>Ain Shams Engineering Journal</i> , 2021 , 13, 101495-101495	4.4	

329	Integrated preprocessing techniques with linear stochastic approaches in groundwater level forecasting. <i>Acta Geophysica</i> , 2021 , 69, 1395-1411	2.2	2
328	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 Kil POUYA Aghelpour, Seyed Mostafa Biazar, and Mohammadreza Askarizad Masouleh. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2021 , 147, 07021005	1.1	4
327	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
326	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
325	Optimizing operating rules for multi-reservoir hydropower generation systems: An adaptive hybrid differential evolution algorithm. <i>Renewable Energy</i> , 2021 , 167, 774-790	8.1	21
324	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
323	Evolutionary optimization of neural network to predict sediment transport without sedimentation. <i>Complex & Intelligent Systems</i> , 2021 , 7, 401-416	7.1	5
322	Hydrologic impacts of climate change in relation to Ontario source water protection planning program. <i>Canadian Journal of Civil Engineering</i> , 2021 , 48, 1037-1045	1.3	1
321	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
320	Pareto design of multiobjective evolutionary neuro-fuzzy system for predicting scour depth around bridge piers 2021 , 491-517		1
319	Panoramic Radiographic X-Ray Image Tooth Root Segmentation Based on LeNet-5 Networks. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 134-144	0.4	
318	River flow forecasting using stochastic and neuro-fuzzy-embedded technique: a comprehensive preprocessing-based assessment 2021 , 519-549		2
317	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
316	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
315	Prognostication of Shortwave Radiation Using an Improved No-Tuned Fast Machine Learning. <i>Sustainability</i> , 2021 , 13, 8009	3.6	2
314	Modelling dry-weather temperature profiles in urban stormwater management ponds. <i>Journal of Hydrology</i> , 2021 , 598, 126206	6	4
313	Dust Emissions Management Model for Construction Sites. <i>Journal of Construction Engineering and Management - ASCE</i> , 2021 , 147, 04021092	4.2	0
312	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	

311	Machine Learning Models for Predicting Water Quality of Treated Fruit and Vegetable Wastewater. <i>Water (Switzerland)</i> , 2021 , 13, 2485	3	5
310	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
309	A predictive equation for residual strength using a hybrid of subset selection of maximum dissimilarity method with Pareto optimal multi-gene genetic programming. <i>Geoscience Frontiers</i> , 2021 , 12, 101222	6	3
308	A group Multi-Criteria Decision-Making method for water supply choice optimization. <i>Socio-Economic Planning Sciences</i> , 2021 , 77, 101006	3.7	7
307	Hourly road pavement surface temperature forecasting using deep learning models. <i>Journal of Hydrology</i> , 2021 , 603, 126877	6	5
306	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
305	Pareto Multiobjective Bioinspired Optimization of Neuro-Fuzzy Technique for Predicting Sediment Transport in Sewer Pipe 2021 , 131-144		1
304	A dynamic prediction model for time-to-peak. <i>Hydrological Processes</i> , 2021 , 35,	3.3	1
303	A continuous data driven translational model to evaluate effectiveness of population-level health interventions: case study, smoking ban in public places on hospital admissions for acute coronary events. <i>Journal of Translational Medicine</i> , 2020 , 18, 466	8.5	3
302	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
301	A Methodology for Forecasting Dissolved Oxygen in Urban Streams. <i>Water (Switzerland)</i> , 2020 , 12, 25683		10
300	Serum adipokines/related inflammatory factors and ratios as predictors of infrapatellar fat pad volume in osteoarthritis: Applying comprehensive machine learning approaches. <i>Scientific Reports</i> , 2020 , 10, 9993	4.9	9
299	A generalized linear stochastic model for lake level prediction. <i>Science of the Total Environment</i> , 2020 , 723, 138015	10.2	13
298	Guidance on field survey programme design for basement flooding assessment. <i>Hydrological Sciences Journal</i> , 2020 , 1-10	3.5	2
297	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
296	Exploring the Role of Advertising Types on Improving the Water Consumption Behavior: An Application of Integrated Fuzzy AHP and Fuzzy VIKOR Method. <i>Sustainability</i> , 2020 , 12, 1232	3.6	17
295	A Non-Tuned Machine Learning Technique for Abutment Scour Depth in Clear Water Condition. <i>Water (Switzerland)</i> , 2020 , 12, 301	3	9
294	A reliable time-series method for predicting arthritic disease outcomes: New step from regression toward a nonlinear artificial intelligence method. <i>Computer Methods and Programs in Biomedicine</i> , 2020 , 189, 105315	6.9	8

293	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
292	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
291	Active Spectral Botnet Detection Based on Eigenvalue Weighting 2020 , 385-397		10
290	Performance assessment of modified clinoptilolite and magnetic nanotubes on sulfate removal and potential application in natural river samples. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2020 , 97, 51-63	1.7	3
289	Viewpoint on Time Series and Interrupted Time Series Optimum Modeling for Predicting Arthritic Disease Outcomes. <i>Current Rheumatology Reports</i> , 2020 , 22, 27	4.9	2
288	An experimental and modeling study of evapotranspiration from integrated green roof photovoltaic systems. <i>Ecological Engineering</i> , 2020 , 152, 105767	3.9	6
287	Understanding the dynamic nature of Time-to-Peak in UK streams. <i>Journal of Hydrology</i> , 2020 , 583, 124630		8
286	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
285	Development of robust evolutionary polynomial regression network in the estimation of stable alluvial channel dimensions. <i>Geomorphology</i> , 2020 , 350, 106895	4.3	8
284	A comparison of artificial intelligence-based classification techniques in predicting flow variables in sharp curved channels. <i>Engineering With Computers</i> , 2020 , 36, 295-324	4.5	10
283	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
282	Application of optimized Artificial and Radial Basis neural networks by using modified Genetic Algorithm on discharge coefficient prediction of modified labyrinth side weir with two and four cycles. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020 , 152, 107291	4.6	15
281	A comprehensive review of ephemeral gully erosion models. <i>Catena</i> , 2020 , 195, 104901	5.8	8
280	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
279	Genetic-Algorithm-Optimized Sequential Model for Water Temperature Prediction. <i>Sustainability</i> , 2020 , 12, 5374	3.6	25
278	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
277	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
276	Processing, Carbonization, and Characterization of Lignin Based Electrospun Carbon Fibers: A Review. <i>Frontiers in Energy Research</i> , 2020 , 8,	3.8	7

275	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
274	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
273	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
272	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
271	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
270	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
269	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
268	Optimal Design for Shock Damper with Genetic Algorithm to Control Water Hammer Effects in Complex Water Distribution Systems. <i>Water Resources Management</i> , 2019 , 33, 1665-1681	3.7	3
267	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
266	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
265	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
264	. <i>IEEE Access</i> , 2019 , 7, 74471-74481	3.5	55
263	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
262	Enhanced formulation of the probability principle based on maximum entropy to design the bank profile of channels in geomorphic threshold. <i>Stochastic Environmental Research and Risk Assessment</i> , 2019 , 33, 1013-1034	3.5	4
261	CoBAGNPS: A toolbox for simulating water and sediment control basin, WASCoB through AGNPS model. <i>Catena</i> , 2019 , 179, 49-65	5.8	5
260	A Review of High Impact Weather for Aviation Meteorology. <i>Pure and Applied Geophysics</i> , 2019 , 176, 1869-1921	2.2	80
259	Novel Hybrid Data-Intelligence Model for Forecasting Monthly Rainfall with Uncertainty Analysis. <i>Water (Switzerland)</i> , 2019 , 11, 502	3	56
258	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

257	A method based on the Tsallis entropy for characterizing threshold channel bank profiles. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019 , 526, 121089	3.3	13
256	Predicting stable alluvial channel profiles using emotional artificial neural networks. <i>Applied Soft Computing Journal</i> , 2019 , 78, 420-437	7.5	26
255	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
254	Developing an AI-based method for river discharge forecasting using satellite signals. <i>Theoretical and Applied Climatology</i> , 2019 , 138, 347-362	3	9
253	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
252	A multiscale and multivariate analysis of precipitation and streamflow variability in relation to ENSO, NAO and PDO. <i>Journal of Hydrology</i> , 2019 , 574, 288-307	6	49
251	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
250	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
249	Modeling unsaturated hydraulic conductivity by hybrid soft computing techniques. <i>Soft Computing</i> , 2019 , 23, 12897-12910	3.5	24
248	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
247	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
246	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> , 2019 , 19, 81-109	2.2	27
245	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
244	An efficient classified radial basis neural network for prediction of flow variables in sharp open-channel bends. <i>Applied Water Science</i> , 2019 , 9, 1	5	4
243	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
242	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, 4215-4230	3.7	4
241	Integrated nonlinear daily water demand forecast model (case study: City of Guelph, Canada). <i>Journal of Hydrology</i> , 2019 , 579, 124182	6	17
240	A reliable linear method for modeling lake level fluctuations. <i>Journal of Hydrology</i> , 2019 , 570, 236-250	6	33

239	A HIGHLY EFFICIENT GENE EXPRESSION PROGRAMMING FOR VELOCITY DISTRIBUTION AT COMPOUND SEWER CHANNEL 2019 ,		2
238	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
237	Hybrid Evolutionary Algorithm Based on PSOGA for ANFIS Designing in Prediction of No-Deposition Bed Load Sediment Transport in Sewer Pipe. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 106-118	0.4	2
236	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
235	A Modeling Approach for Evaluating Watershed-scale Water Quality Benefits of Vegetative Filter Strip - A Case Study in Ontario. <i>Applied Engineering in Agriculture</i> , 2019 , 35, 271-281	0.8	2
234	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
233	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
232	Advancing performance evaluation standards for household water treatment technologies. <i>Journal of Water and Health</i> , 2019 , 17, 266-273	2.2	4
231	Vehicle stacking estimation at signalized intersections with unmanned aerial systems. <i>International Journal of Transportation Science and Technology</i> , 2019 , 8, 231-249	3.3	4
230	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
229	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
228	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
227	Prediction of wave runup on beaches using Gene-Expression Programming and empirical relationships. <i>Coastal Engineering</i> , 2019 , 144, 47-61	4.8	30
226	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
225	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
224	A reliable linear stochastic daily soil temperature forecast model. <i>Soil and Tillage Research</i> , 2019 , 189, 73-87	6.5	54
223	Evolutionary Prediction of Biohydrogen Production by Dark Fermentation. <i>Clean - Soil, Air, Water</i> , 2019 , 47, 1700494	1.6	7
222	Velocity Field Simulation of Open-Channel Junction Using Artificial Intelligence Approaches. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2019 , 43, 549-560	1.1	2

221	Abutment scour depth modeling using neuro-fuzzy-embedded techniques. <i>Marine Georesources and Geotechnology</i> , 2019 , 37, 190-200	2.2	43
220	3D flow simulation of straight groynes using hybrid DE-based artificial intelligence methods. <i>Soft Computing</i> , 2019 , 23, 3757-3777	3.5	5
219	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
218	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
217	New insights into soil temperature time series modeling: linear or nonlinear?. <i>Theoretical and Applied Climatology</i> , 2019 , 135, 1157-1177	3	46
216	Estimating annual air emissions from nargyla water pipes in cafés and restaurants using Monte Carlo analysis. <i>International Journal of Environmental Science and Technology</i> , 2019 , 16, 2539-2548	3.3	2
215	Robustness lake water level prediction using the search heuristic-based artificial intelligence methods. <i>ISH Journal of Hydraulic Engineering</i> , 2019 , 25, 316-324	1.5	14
214	Empirical models for longitudinal dispersion coefficient in natural streams. <i>Journal of Hydrology</i> , 2019 , 575, 1359-1361	6	10
213	Extreme learning machine model for water network management. <i>Neural Computing and Applications</i> , 2019 , 31, 157-169	4.8	56
212	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
211	Soil Aquifer Treatment System Design Equation for Organic Micropollutant Removal. <i>Handbook of Environmental Chemistry</i> , 2018 , 307-326	0.8	3
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	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
208	New type side weir discharge coefficient simulation using three novel hybrid adaptive neuro-fuzzy inference systems. <i>Applied Water Science</i> , 2018 , 8, 1	5	10
207	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
206	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
205	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
204	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

203	Predicting Archimedes Screw Generator Power Output Using Artificial Neural Networks. <i>Journal of Hydraulic Engineering</i> , 2018 , 144, 05018002	1.8	2
202	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
201	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
200	Comparison of genetic programming and radial basis function neural network for open-channel junction velocity field prediction. <i>Neural Computing and Applications</i> , 2018 , 30, 855-864	4.8	9
199	New radial basis function network method based on decision trees to predict flow variables in a curved channel. <i>Neural Computing and Applications</i> , 2018 , 30, 2771-2785	4.8	13
198	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
197	Enhanced roadside drainage system for environmentally sensitive areas. <i>Science of the Total Environment</i> , 2018 , 610-611, 613-622	10.2	13
196	Scour depth model for grade-control structures. <i>Journal of Hydroinformatics</i> , 2018 , 20, 117-133	2.6	15
195	Rainfall Pattern Forecasting Using Novel Hybrid Intelligent Model Based ANFIS-FFA. <i>Water Resources Management</i> , 2018 , 32, 105-122	3.7	82
194	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
193	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
192	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
191	Evaluating the apparent shear stress in prismatic compound channels using the Genetic Algorithm based on Multi-Layer Perceptron: A comparative study. <i>Applied Mathematics and Computation</i> , 2018 , 338, 400-411	2.7	5
190	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
189	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
188	Predicting the Impact of Drainage Ditches upon Hydrology and Sediment Loads Using KINEROS 2 Model: A Case Study in Ontario.. <i>Canadian Biosystems Engineering / Le Genie Des Biosystems Au Canada</i> , 2018 , 60, 1.1-1.15	0.5	4
187	Impact of Normalization and Input on ARMAX-ANN Model Performance in Suspended Sediment Load Prediction. <i>Water Resources Management</i> , 2018 , 32, 845-863	3.7	28
186	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

185	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
184	Formulating the shear stress distribution in circular open channels based on the Renyi entropy. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018 , 490, 114-126	3.3	17
183	Stable alluvial channel design using evolutionary neural networks. <i>Journal of Hydrology</i> , 2018 , 566, 770-782	19	
182	Evaluation of Stormwater Infrastructure Design Storms Developed Using Partial Duration and Annual Maximum Series Models. <i>Journal of Hydrologic Engineering - ASCE</i> , 2018 , 23, 04018051	1.8	6
181	Evaluation of the Simplified Dynamic Wave, Diffusion Wave and the Full Dynamic Wave Flood Routing Models. <i>Earth Science Research</i> , 2018 , 7, 14		7
180	Reference Time of Concentration Estimation for Ungauged Catchments. <i>Earth Science Research</i> , 2018 , 7, 58		14
179	Compost Biofilters for Protection of Environmentally Sensitive Areas Receiving Roadway Runoff. <i>Earth Science Research</i> , 2018 , 7, 88		
178	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
177	A review of low-grade weirs as an agri-environmental best management practice in the Elginfield Municipal Drain watershed, Ontario, Canada. <i>Journal of Soils and Water Conservation</i> , 2018 , 73, 42A-48A	2.2	2
176	Reservoir water level forecasting using group method of data handling. <i>Acta Geophysica</i> , 2018 , 66, 717-730		22
175	Application of a Neuro-Fuzzy GMDH Model for Predicting the Velocity at Limit of Deposition in Storm Sewers. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2017 , 8, 06016003	1.5	25
174	Forecasting monthly inflow with extreme seasonal variation using the hybrid SARIMA-ANN model. <i>Stochastic Environmental Research and Risk Assessment</i> , 2017 , 31, 1997-2010	3.5	47
173	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
172	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
171	Using two soft computing methods to predict wall and bed shear stress in smooth rectangular channels. <i>Applied Water Science</i> , 2017 , 7, 3973-3983	5	0
170	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
169	Assessment of Stochastic Models and a Hybrid Artificial Neural Network-Genetic Algorithm Method in Forecasting Monthly Reservoir Inflow. <i>INAE Letters</i> , 2017 , 2, 13-23	0.7	22
168	Stochastic model stationarization by eliminating the periodic term and its effect on time series prediction. <i>Journal of Hydrology</i> , 2017 , 547, 348-364	6	20

167	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
166	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
165	Estimating the shear stress distribution in circular channels based on the randomized neural network technique. <i>Applied Soft Computing Journal</i> , 2017 , 58, 441-448	7.5	16
164	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
163	Efficient shear stress distribution detection in circular channels using Extreme Learning Machines and the M5 model tree algorithm. <i>Urban Water Journal</i> , 2017 , 14, 999-1006	2.3	8
162	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
161	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
160	Municipal Solid Waste Slope Stability Modeling: A Probabilistic Approach. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2017 , 143, 04017035	3.4	14
159	Urban stormwater thermal gene expression models for protection of sensitive receiving streams. <i>Hydrological Processes</i> , 2017 , 31, 2330-2348	3.3	18
158	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
157	Estimating the shear force carried by walls in rough rectangular channels using a new approach based on the radial basis function method. <i>International Journal of River Basin Management</i> , 2017 , 15, 309-315	1.7	
156	Multi-objective evolutionary polynomial regression-based prediction of energy consumption probing. <i>Water Science and Technology</i> , 2017 , 75, 2791-2799	2.2	9
155	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
154	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
153	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
152	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
151	Prediction of flow duration curves for ungauged basins. <i>Journal of Hydrology</i> , 2017 , 545, 383-394	6	56
150	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

149	Predicting Breaking Wave Conditions Using Gene Expression Programming. <i>Coastal Engineering Journal</i> , 2017 , 59, 1750017-1-1750017-14	2.8	8
148	Risk assessment of cyanobacteria-toxins for small drinking water treatment plants with lake water intakes. <i>International Journal of Water Resources and Environmental Engineering</i> , 2017 , 9, 121-126	0.3	3
147	Predicting fruit and vegetable processing wash-water quality. <i>Water Science and Technology</i> , 2017 , 2017, 256-269	2.2	3
146	Novel approach for streamflow forecasting using a hybrid ANFIS-FFA model. <i>Journal of Hydrology</i> , 2017 , 554, 263-276	6	134
145	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
144	Design of a fuzzy differential evolution algorithm to predict non-deposition sediment transport. <i>Applied Water Science</i> , 2017 , 7, 4287-4299	5	16
143	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	
142	Comparative Assessment of the Hybrid Genetic Algorithm Artificial Neural Network and Genetic Programming Methods for the Prediction of Longitudinal Velocity Field around a Single Straight Groyne. <i>Applied Soft Computing Journal</i> , 2017 , 60, 213-228	7.5	9
141	Effects of Width Ratios and Deviation Angles on the Mean Velocity in Inlet Channels Using Numerical Modeling and Artificial Neural Network Modeling. <i>International Journal of Civil Engineering</i> , 2017 , 15, 149-161	1.9	4
140	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
139	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
138	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
137	Gene Expression Programming in Open Channel Hydraulics 2017 , 196-211		1
136	Long-term cultivation and landscape position effects on aggregate size and organic carbon fractionation on surface soil properties in semi-arid region of Iran. <i>Arid Land Research and Management</i> , 2016 , 30, 345-361	1.8	6
135	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
134	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
133	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
132	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

131	Highway runoff quality models for the protection of environmentally sensitive areas. <i>Journal of Hydrology</i> , 2016 , 542, 143-155	6	19
130	Event-based stormwater management pond runoff temperature model. <i>Journal of Hydrology</i> , 2016 , 540, 306-316	6	24
129	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
128	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
127	Assessment of evolutionary algorithms in predicting non-deposition sediment transport. <i>Urban Water Journal</i> , 2016 , 13, 499-510	2.3	36
126	Prediction of boundary shear stress in circular and trapezoidal channels with entropy concept. <i>Urban Water Journal</i> , 2016 , 13, 629-636	2.3	20
125	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
124	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
123	Application of a genetic algorithm in predicting the percentage of shear force carried by walls in smooth rectangular channels. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016 , 87, 87-98	4.6	14
122	Prediction of Timing of Watermain Failure Using Gene Expression Models. <i>Water Resources Management</i> , 2016 , 30, 1635-1651	3.7	38
121	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> , 2016 , 10, 193-208	4.5	22
120	Improved side weir discharge coefficient modeling by adaptive neuro-fuzzy methodology. <i>KSCE Journal of Civil Engineering</i> , 2016 , 20, 2999-3005	1.9	7
119	Integrative neural networks models for stream assessment in restoration projects. <i>Journal of Hydrology</i> , 2016 , 536, 339-350	6	32
118	Event-based total suspended sediment particle size distribution model. <i>Journal of Hydrology</i> , 2016 , 536, 236-246	6	45
117	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> , 2016 , 274, 14-19	2.7	21
116	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
115	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 ¹	2.1	6
114	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

113	Assessment of water depth change patterns in 120° sharp bend using numerical model. <i>Water Science and Engineering</i> , 2016 , 9, 336-344	4	5
112	Application of a soft computing technique in predicting the percentage of shear force carried by walls in a rectangular channel with non-homogeneous roughness. <i>Water Science and Technology</i> , 2016 , 73, 124-9	2.2	9
111	Extreme learning machine assessment for estimating sediment transport in open channels. <i>Engineering With Computers</i> , 2016 , 32, 691-704	4.5	43
110	Open channel junction velocity prediction by using a hybrid self-neuron adjustable artificial neural network. <i>Flow Measurement and Instrumentation</i> , 2016 , 49, 46-51	2.2	17
109	Extension of Fuzzy Delphi AHP Based on Interval-Valued Fuzzy Sets and its Application in Water Resource Rating Problems. <i>Water Resources Management</i> , 2016 , 30, 3123-3141	3.7	20
108	Conservation management practices: Success story of the Hog Creek and Sturgeon River watersheds, Ontario, Canada. <i>Journal of Soils and Water Conservation</i> , 2016 , 71, 237-248	2.2	10
107	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> , 2016 , 48, 563-583	7.5	32
106	Simulation of open channel bend characteristics using computational fluid dynamics and artificial neural networks. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2015 , 9, 355-369	4.5	32
105	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
104	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> , 2015 , 73, 74-81	4.6	18
103	GMDH-type neural network approach for modeling the discharge coefficient of rectangular sharp-crested side weirs 2015 , 18, 746-757		61
102	Potential of particle swarm optimization based radial basis function network to predict the discharge coefficient of a modified triangular side weir. <i>Flow Measurement and Instrumentation</i> , 2015 , 45, 404-407	2.2	13
101	Gene expression models for prediction of longitudinal dispersion coefficient in streams. <i>Journal of Hydrology</i> , 2015 , 524, 587-596	6	92
100	Road salt application planning tool for winter de-icing operations. <i>Journal of Hydrology</i> , 2015 , 524, 401-410		32
99	Event-based soil loss models for construction sites. <i>Journal of Hydrology</i> , 2015 , 524, 780-788	6	20
98	Evapotranspiration models assessment under hyper-arid environment. <i>Arabian Journal of Geosciences</i> , 2015 , 8, 9905-9912	1.8	4
97	Efficient methods for prediction of velocity fields in open channel junctions based on the artificial neural network. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2015 , 9, 220-232	4.5	12
96	Predicting the velocity field in a 90° Open channel bend using a gene expression programming model. <i>Flow Measurement and Instrumentation</i> , 2015 , 46, 189-192	2.2	18

95	Event-based design tool for construction site erosion and sediment controls. <i>Journal of Hydrology</i> , 2015 , 528, 790-795	6	10
94	Radial Basis Neural Network and Particle Swarm Optimization-based equations for predicting the discharge capacity of triangular labyrinth weirs. <i>Flow Measurement and Instrumentation</i> , 2015 , 45, 341-347 ²	2.2	13
93	Soil amendments for heavy metals removal from stormwater runoff discharging to environmentally sensitive areas. <i>Journal of Hydrology</i> , 2015 , 529, 1478-1487	6	31
92	Entropy-based neural networks model for flow duration curves at ungauged sites. <i>Journal of Hydrology</i> , 2015 , 529, 1007-1020	6	41
91	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> , 2015 , 41, 81-89	2.2	28
90	Comparison between Shannon and Tsallis entropies for prediction of shear stress distribution in open channels. <i>Stochastic Environmental Research and Risk Assessment</i> , 2015 , 29, 1-11	3.5	40
89	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}	2.2	58
88	Long-term land-use change effects on phosphorus fractionation in Zr̄bar Lake margin soils. <i>Archives of Agronomy and Soil Science</i> , 2015 , 61, 737-749	2	3
87	Predictive equation for longitudinal dispersion coefficient. <i>Hydrological Processes</i> , 2015 , 29, 161-172	3.3	36
86	Water supply management using an extended group fuzzy decision-making method: a case study in north-eastern Iran. <i>Applied Water Science</i> , 2015 , 5, 291-304	5	20
85	Reservoir management under predictable climate variability and change. <i>Journal of Water and Climate Change</i> , 2015 , 6, 472-485	2.3	17
84	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
83	Numerical investigation of flow field and flowmeter accuracy in open-channel junctions. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2015 , 9, 280-290	4.5	13
82	Integrative neural networks model for prediction of sediment rating curve parameters for ungauged basins. <i>Journal of Hydrology</i> , 2015 , 531, 1095-1107	6	38
81	Salt vulnerability assessment methodology for municipal supply wells. <i>Journal of Hydrology</i> , 2015 , 531, 523-533	6	10
80	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
79	Modeling of velocity fields by the entropy concept in narrow open channels. <i>KSCE Journal of Civil Engineering</i> , 2015 , 19, 779-789	1.9	9
78	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

77	Temperature effect on the transport of bromide and E. coli NAR in saturated soils. <i>Journal of Hydrology</i> , 2015 , 522, 418-427	6	28
76	Spatial-Temporal Dynamics of Runoff Generation Areas in a Small Agricultural Watershed in Southern Ontario. <i>Journal of Water Resource and Protection</i> , 2015 , 07, 14-40	0.7	17
75	Bromide and lithium transport in soils under long-term cultivation of alfalfa and wheat. <i>Agriculture, Ecosystems and Environment</i> , 2014 , 188, 221-228	5.7	7
74	Land use effects on phosphorus sequestration in soil aggregates in western Iran. <i>Environmental Monitoring and Assessment</i> , 2014 , 186, 6493-503	3.1	8
73	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> , 2014 , 40, 149-156	2.2	40
72	Salt vulnerability assessment methodology for urban streams. <i>Journal of Hydrology</i> , 2014 , 517, 877-888	6	18
71	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
70	Ecological benefit of the road salt code of practice. <i>Water Quality Research Journal of Canada</i> , 2014 , 49, 43-52	1.7	13
69	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
68	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
67	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
66	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
65	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
64	Least limiting water range as affected by soil texture and cropping system. <i>Agricultural Water Management</i> , 2014 , 136, 34-41	5.9	30
63	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
62	Velocity Distribution in Open Channel Flows: Analytical Approach for the Outer Region. <i>Journal of Hydraulic Engineering</i> , 2013 , 139, 37-43	1.8	18
61	Impervious surfaces and sewer pipe effects on stormwater runoff temperature. <i>Journal of Hydrology</i> , 2013 , 502, 10-17	6	37
60	Forecasting watermain failure using artificial neural network modelling. <i>Canadian Water Resources Journal</i> , 2013 , 38, 24-33	1.7	37

59	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
58	Predicting Saturated Hydraulic Conductivity by Artificial Intelligence and Regression Models. <i>ISRN Soil Science</i> , 2013 , 2013, 1-8		21
57	Mapping key agricultural sources of dust emissions within the Lake Simcoe airshed. <i>Inland Waters</i> , 2013 , 3, 153-166	2.4	7
56	Better management of construction sites to protect inland waters. <i>Inland Waters</i> , 2013 , 3, 167-178	2.4	8
55	Significance of physical weathering of two-texturally different soils for the saturated transport of Escherichia coli and bromide. <i>Journal of Environmental Management</i> , 2012 , 107, 147-58	7.9	10
54	Effect of regenerated soil structure on unsaturated transport of Escherichia coli and bromide. <i>Journal of Hydrology</i> , 2012 , 430-431, 80-90	6	29
53	Establishment of relationship between mean and maximum velocities in narrow sewers. <i>Journal of Environmental Management</i> , 2012 , 113, 474-80	7.9	12
52	Simple method for the estimation of discharge by entropy in narrow compound sewers. <i>Canadian Journal of Civil Engineering</i> , 2012 , 39, 339-343	1.3	
51	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> , 2012 , 6, 514-526	4.5	23
50	Trends in rainfall intensity for stormwater designs in Ontario. <i>Journal of Water and Climate Change</i> , 2012 , 3, 1-10	2.3	18
49	Within-Storm Rainfall Distribution Effect on Soil Erosion Rate. <i>ISRN Soil Science</i> , 2012 , 2012, 1-7		9
48	Bacterial filtration rates in repacked and weathered soil columns. <i>Geoderma</i> , 2011 , 167-168, 204-213	6.7	13
47	The natural history and fisheries ecology of Lake Chilwa, southern Malawi. <i>Journal of Great Lakes Research</i> , 2011 , 37, 15-25	3	30
46	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
45	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> , 2011 , 22, 225-234	2.2	22
44	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
43	Using the PCSWMM 2010 SRTC Tool to Design a Compost Biofilter for Highway Stormwater Runoff Treatment. <i>Journal of Water Management Modeling</i> , 2011 ,		4
42	A methodology for undertaking vulnerability assessments of flood susceptible communities. <i>International Journal of Safety and Security Engineering</i> , 2011 , 1, 126-146	2.1	6

41	GDVFS: A New Toolkit for Analysis and Design of Vegetative Filter Strips Using VFSSMOD. <i>Water Quality Research Journal of Canada</i> , 2010 , 45, 59-68	1.7	3
40	Compost Biofilters For Highway Stormwater Runoff Treatment. <i>Water Quality Research Journal of Canada</i> , 2010 , 45, 391-402	1.7	15
39	Projected climate conditions to 2100 for Regina, Saskatchewan. <i>Canadian Journal of Civil Engineering</i> , 2010 , 37, 1247-1260	1.3	4
38	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
37	3D modelling of ice-covered flows in the vicinity of a deep hole in the East Channel of the Mackenzie Delta, N.W.T.. <i>Canadian Journal of Civil Engineering</i> , 2009 , 36, 791-800	1.3	3
36	Ranking of Waterways Susceptible to Adverse Stormwater Effects. <i>Canadian Water Resources Journal</i> , 2009 , 34, 205-228	1.7	8
35	Prediction of watermain failure frequencies using multiple and Poisson regression. <i>Water Science and Technology: Water Supply</i> , 2009 , 9, 9-19	1.4	19
34	Application of Weather Radar in Estimation of Bulk Atmospheric Deposition of Total Phosphorus Over Lake Simcoe. <i>Canadian Water Resources Journal</i> , 2009 , 34, 37-60	1.7	14
33	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
32	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
31	Turbulent velocity profile in fully-developed open channel flows. <i>Environmental Fluid Mechanics</i> , 2008 , 8, 1-17	2.2	48
30	Comparison of slope stability in two Brazilian municipal landfills. <i>Waste Management</i> , 2008 , 28, 1509-17	8.6	23
29	Comparing the Performance of SWAT and AnnAGNPS Model in a Watershed in Ontario 2007 ,		1
28	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
27	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
26	An irrigation management model for a multi-cropping and multi-pattern setting. <i>Irrigation and Drainage</i> , 2007 , 56, 451-462	1.1	1
25	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
24	Flow Characteristics in a Rotating Circular Flume. <i>Open Civil Engineering Journal</i> , 2007 , 1, 30-36	0.8	2

23	Evaluation of sediment control pond performance at construction sites in the Greater Toronto Area. <i>Canadian Journal of Civil Engineering</i> , 2006 , 33, 1335-1344	1.3	14
22	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
21	Coupled BEM and FEM Analysis of Functionally Graded Material Layers. <i>Journal of Thermal Stresses</i> , 2006 , 29, 263-287	2.2	7
20	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
19	Evaluation of AnnAGNPS in cold and temperate regions. <i>Water Science and Technology</i> , 2006 , 53, 263-70	2.2	7
18	Evaluation of Weather Generator ClimGen for Southern Ontario. <i>Canadian Water Resources Journal</i> , 2005 , 30, 315-330	1.7	14
17	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
16	Pollutants Removal by Vegetative Filter Strips Planted with Different Grasses 2004 ,		1
15	Development of a Management Tool for Vegetative Filter Strips. <i>Journal of Water Management Modeling</i> , 2002 ,		8
14	Sediment-Removal Efficiency of Vegetative Filter Strips 2001 ,		3
13	Performance Testing of Vegetative Filter Strips 2001 , 1		3
12	Performance analysis of reinforced vegetative channel lining systems. <i>Computers and Structures</i> , 1999 , 72, 149-164	4.5	3
11	ASSESSING THE PERFORMANCE OF VARIOUS HYDROLOGICAL MODELS IN THE CANADIAN GREAT LAKES BASIN		1
10	Characterization of backwater valves in sanitary sewer laterals and associated failures in a Canadian context. <i>Canadian Journal of Civil Engineering</i> , 1-9	1.3	3
9	Modeling Blue and Green Water Resources Availability in an Iranian Data Scarce Watershed Using SWAT. <i>Journal of Water Management Modeling</i> ,		4
8	Thermal Investigation of Stormwater Management Ponds. <i>Journal of Water Management Modeling</i> ,		5
7	Investigating the Spatial and Temporal Variability of Precipitation using Entropy Theory. <i>Journal of Water Management Modeling</i> ,		3
6	Investigation of the Tank Model for Urban Storm Water Management. <i>Journal of Water Management Modeling</i> ,		2

5	Prediction of Discharge Capacity of Labyrinth Weir with Gene Expression Programming		2
4	Evolutionary prediction of electrocoagulation efficiency and energy consumption probing64, 54-63		5
3	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
2	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
1	Lake Surface Area Forecasting Using Integrated Satellite-SARIMA-Long-Short-Term Memory Model		4