

J F Adamowski

List of Publications by Year in Descending Order

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Version: 2024-04-26

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

274
papers

10,099
citations

51
h-index

88
g-index

287
ext. papers

12,502
ext. citations

4.5
avg, IF

7.16
L-index

#	Paper	IF	Citations
274	Downstream semi-circular obstacles' influence on floods arising from the failure of dams with different levels of reservoir silting. <i>Physics of Fluids</i> , 2022 , 34, 013312	4.4	1
273	Increasing Heat-Stress Inequality in a Warming Climate. <i>Earth's Future</i> , 2022 , 10,	7.9	2
272	Integrated assessment of localized SSP-RCP narratives for climate change adaptation in coupled human-water systems.. <i>Science of the Total Environment</i> , 2022 , 823, 153660	10.2	1
271	Reservoir operation under accidental MTBE pollution: A graph-based conflict resolution framework considering spatial-temporal-quantitative uncertainties. <i>Journal of Hydrology</i> , 2022 , 605, 127313	6	0
270	Leaf Stoichiometry of Across Elevations in China's Qilian Mountains.. <i>Frontiers in Plant Science</i> , 2022 , 13, 814059	6.2	0
269	A deep learning image segmentation model for agricultural irrigation system classification. <i>Computers and Electronics in Agriculture</i> , 2022 , 198, 106977	6.5	2
268	Multi-level storylines for participatory modeling involving marginalized communities in Tz'ol'Yá', Mayan Guatemala. <i>Hydrology and Earth System Sciences</i> , 2021 , 25, 1283-1306	5.5	4
267	Warming enabled upslope advance in western US forest fires. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	21
266	An emergency multi-objective compromise framework for reservoir operation under suddenly injected pollution. <i>Journal of Hydrology</i> , 2021 , 598, 126242	6	3
265	Participatory Modeling of Water Vulnerability in Remote Alaskan Households Using Causal Loop Diagrams. <i>Environmental Management</i> , 2021 , 67, 26-42	3.1	1
264	The role of climate change and vegetation greening on the variation of terrestrial evapotranspiration in northwest China's Qilian Mountains. <i>Science of the Total Environment</i> , 2021 , 759, 143532	10.2	19
263	Short-term flood forecasting using artificial neural networks, extreme learning machines, and M5 model tree 2021 , 263-279		2
262	Coupling a hybrid CNN-LSTM deep learning model with a Boundary Corrected Maximal Overlap Discrete Wavelet Transform for multiscale Lake water level forecasting. <i>Journal of Hydrology</i> , 2021 , 598, 126196	6	26
261	Closure to the discussion of Ebtehaj et al. on "Comparative assessment of time series and artificial intelligence models to estimate monthly streamflow: A local and external data analysis approach" <i>Journal of Hydrology</i> , 2021 , 600, 126459	6	
260	Elevation Alone Alters Leaf N and Leaf C to N Ratio of <i>Picea crassifolia</i> Kom. in China's Qilian Mountains. <i>Forests</i> , 2021 , 12, 1325	2.8	0
259	Effect of Elevation on Variation in Reference Evapotranspiration under Climate Change in Northwest China. <i>Sustainability</i> , 2021 , 13, 10151	3.6	1
258	A Probabilistic Model for Maximum Rainfall Frequency Analysis. <i>Water (Switzerland)</i> , 2021 , 13, 2688	3	3

257	A maximal overlap discrete wavelet packet transform integrated approach for rainfall forecasting □ A case study in the Awash River Basin (Ethiopia). <i>Environmental Modelling and Software</i> , 2021 , 144, 105119	5.2	2
256	Grassland grazing management altered soil properties and microbial diversity but not diversity on the Qinghai-Tibetan Plateau. <i>Applied Soil Ecology</i> , 2021 , 167, 104032	5	3
255	A novel Bayesian maximum entropy-based approach for optimal design of water quality monitoring networks in rivers. <i>Journal of Hydrology</i> , 2021 , 603, 126822	6	2
254	Assessing constraints to agricultural development in circumpolar Canada through an innovation systems lens. <i>Agricultural Systems</i> , 2021 , 194, 103268	6.1	1
253	Which slope aspect and gradient provides the best afforestation-driven soil carbon sequestration on the China's Loess Plateau?. <i>Ecological Engineering</i> , 2020 , 147, 105782	3.9	14
252	Data Assimilation for Streamflow Forecasting Using Extreme Learning Machines and Multilayer Perceptrons. <i>Water Resources Research</i> , 2020 , 56, e2019WR026226	5.4	15
251	Response of leaf stoichiometry of <i>Oxytropis ochrocephala</i> to elevation and slope aspect. <i>Catena</i> , 2020 , 194, 104772	5.8	13
250	Spatio-temporal variation of reference evapotranspiration in northwest China based on CORDEX-EA. <i>Atmospheric Research</i> , 2020 , 238, 104868	5.4	12
249	Short-term water quality variable prediction using a hybrid CNN-STM deep learning model. <i>Stochastic Environmental Research and Risk Assessment</i> , 2020 , 34, 415-433	3.5	80
248	PODMT3DMS-Tool: proper orthogonal decomposition linked to the MT3DMS model for nitrate simulation in aquifers. <i>Hydrogeology Journal</i> , 2020 , 28, 1125-1142	3.1	5
247	Development of a behaviour-pattern based global sensitivity analysis procedure for coupled socioeconomic and environmental models. <i>Journal of Hydrology</i> , 2020 , 585, 124745	6	1
246	Crow Algorithm for Irrigation Management: A Case Study. <i>Water Resources Management</i> , 2020 , 34, 1021-1045	3.145	10
245	The Impact of Virtual Water on Sustainable Development in Gansu Province. <i>Applied Sciences</i> (Switzerland), 2020 , 10, 586	2.6	4
244	Smoothed Particle Hydrodynamics Modeling with Advanced Boundary Conditions for Two-Dimensional Dam-Break Floods. <i>Water (Switzerland)</i> , 2020 , 12, 1142	3	5
243	A stochastic wavelet-based data-driven framework for forecasting uncertain multiscale hydrological and water resources processes. <i>Environmental Modelling and Software</i> , 2020 , 130, 104718	5.2	19
242	A Comparative Study of Rotation Patterns on Soil Organic Carbon in China's Arid and Semi-Arid Regions. <i>Agronomy</i> , 2020 , 10, 160	3.6	3
241	Causality of climate, food production and conflict over the last two millennia in the Hexi Corridor, China. <i>Science of the Total Environment</i> , 2020 , 713, 136587	10.2	6
240	Insights from socio-hydrological modeling to design sustainable wastewater reuse strategies for agriculture at the watershed scale. <i>Agricultural Water Management</i> , 2020 , 231, 105983	5.9	7

239	A comparison of conventional and wavelet transform based methods for streamflow record extension. <i>Journal of Hydrology</i> , 2020 , 582, 124503	6	7
238	A participatory system dynamics modeling approach to facilitate collaborative flood risk management: A case study in the Bradano River (Italy). <i>Journal of Hydrology</i> , 2020 , 580, 124354	6	17
237	Projected spatial patterns in precipitation and air temperature for China's northwest region derived from high-resolution regional climate models. <i>International Journal of Climatology</i> , 2020 , 40, 3922-3941	3.5	10
236	Soil fragmentation and aggregate stability as affected by conventional tillage implements and relations with fractal dimensions. <i>Soil and Tillage Research</i> , 2020 , 197, 104494	6.5	10
235	Large Scale Flood Risk Mapping in Data Scarce Environments: An Application for Romania. <i>Water (Switzerland)</i> , 2020 , 12, 1834	3	8
234	A century of observations reveals increasing likelihood of continental-scale compound dry-hot extremes. <i>Science Advances</i> , 2020 , 6,	14.3	39
233	Could arid and semi-arid abandoned lands prove ecologically or economically valuable if they afford greater soil organic carbon storage than afforested lands in China's Loess Plateau?. <i>Land Use Policy</i> , 2020 , 99, 105027	5.6	2
232	Stochastic Modeling of Groundwater Fluoride Contamination: Introducing Lazy Learners. <i>Ground Water</i> , 2020 , 58, 723-734	2.4	10
231	Regionalization of flood magnitudes using the ecological attributes of watersheds. <i>Geocarto International</i> , 2020 , 35, 917-933	2.7	3
230	Exploring the multiscale changeability of precipitation using the entropy concept and self-organizing maps. <i>Journal of Water and Climate Change</i> , 2020 , 11, 655-676	2.3	3
229	Modification of the DRASTIC Framework for Mapping Groundwater Vulnerability Zones. <i>Ground Water</i> , 2020 , 58, 441-452	2.4	14
228	Comparison of wavelet-based hybrid models for the estimation of daily reference evapotranspiration in different climates. <i>Journal of Water and Climate Change</i> , 2020 , 11, 39-53	2.3	3
227	An ensemble tree-based machine learning model for predicting the uniaxial compressive strength of travertine rocks. <i>Neural Computing and Applications</i> , 2020 , 32, 9065-9080	4.8	11
226	Reply to discussion on A reduced-order model for the regeneration of surface currents in Gorgan Bay, Iran [Journal of Hydroinformatics 20(6), 1419-1435, https://doi.org/10.2166/hydro.2018.149] by Georgios M. Horsch and Nikolaos Th. Fourniotis. <i>Journal of Hydroinformatics</i> , 2020 , 22, 455-456	2.6	
225	Controlling factors of plant community composition with respect to the slope aspect gradient in the Qilian Mountains. <i>Ecosphere</i> , 2019 , 10, e02851	3.1	12
224	A hydrogeological-based multi-criteria method for assessing the vulnerability of coastal aquifers to saltwater intrusion. <i>Environmental Earth Sciences</i> , 2019 , 78, 1	2.9	10
223	Farmers' Willingness to Accept Compensation to Maintain the Benefits of Urban Forests. <i>Forests</i> , 2019 , 10, 691	2.8	9
222	Grassland Degradation on the Qinghai-Tibetan Plateau: Reevaluation of Causative Factors. <i>Rangeland Ecology and Management</i> , 2019 , 72, 988-995	2.2	31

221	Multi-objective decision-making for green infrastructure planning (LID-BMPs) in urban storm water management under uncertainty. <i>Journal of Hydrology</i> , 2019 , 579, 124091	6	45
220	A GIS Tool for Mapping Dam-Break Flood Hazards in Italy. <i>ISPRS International Journal of Geo-Information</i> , 2019 , 8, 250	2.9	6
219	Delimitation of groundwater zones under contamination risk using a bagged ensemble of optimized DRASTIC frameworks. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 8325-8339	5.1	30
218	Universally deployable extreme learning machines integrated with remotely sensed MODIS satellite predictors over Australia to forecast global solar radiation: A new approach. <i>Renewable and Sustainable Energy Reviews</i> , 2019 , 104, 235-261	16.2	39
217	Predicting Triaxial Compressive Strength and Young's Modulus of Frozen Sand Using Artificial Intelligence Methods. <i>Journal of Cold Regions Engineering - ASCE</i> , 2019 , 33, 04019007	1.1	26
216	Examining lag time using the landscape, pedoscape and lithoscape metrics of catchments. <i>Ecological Indicators</i> , 2019 , 105, 36-46	5.8	10
215	Suitable exclosure duration for the restoration of degraded alpine grasslands on the Qinghai-Tibetan Plateau. <i>Land Use Policy</i> , 2019 , 86, 261-267	5.6	10
214	Coupling the maximum overlap discrete wavelet transform and long short-term memory networks for irrigation flow forecasting. <i>Agricultural Water Management</i> , 2019 , 219, 72-85	5.9	31
213	Projections of future soil temperature in northeast Iran. <i>Geoderma</i> , 2019 , 349, 11-24	6.7	11
212	Hybrid artificial intelligence-time series models for monthly streamflow modeling. <i>Applied Soft Computing Journal</i> , 2019 , 80, 873-887	7.5	41
211	Effects of stand age on carbon storage in dragon spruce forest ecosystems in the upper reaches of the Bailongjiang River basin, China. <i>Scientific Reports</i> , 2019 , 9, 3005	4.9	5
210	Analyzing trends of days with low atmospheric visibility in Iran during 1968-2013. <i>Environmental Monitoring and Assessment</i> , 2019 , 191, 249	3.1	3
209	A comparative assessment of flood susceptibility modeling using Multi-Criteria Decision-Making Analysis and Machine Learning Methods. <i>Journal of Hydrology</i> , 2019 , 573, 311-323	6	228
208	A Traditional Closed-Loop Sanitation System in a Chronic Emergency: A Qualitative Study from Afghanistan. <i>Water (Switzerland)</i> , 2019 , 11, 298	3	1
207	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
206	Natural and anthropogenic origins of selected trace elements in the surface waters of Tabriz area, Iran. <i>Environmental Earth Sciences</i> , 2019 , 78, 1	2.9	15
205	Investigating monthly precipitation variability using a multiscale approach based on ensemble empirical mode decomposition. <i>Paddy and Water Environment</i> , 2019 , 17, 741-759	1.6	7
204	Fuzzy-based conflict resolution management of groundwater in-situ bioremediation under hydrogeological uncertainty. <i>Journal of Hydrology</i> , 2019 , 571, 376-389	6	11

203	Using the Mann-Kendall test and double mass curve method to explore stream flow changes in response to climate and human activities. <i>Journal of Water and Climate Change</i> , 2019 , 10, 725-742	2.3	38
202	Probabilistic Event Based Rainfall-Runoff Modeling Using Copula Functions. <i>Water Resources Management</i> , 2019 , 33, 3799-3814	3.7	13
201	Evaluation of data-driven models (SVR and ANN) for groundwater-level prediction in confined and unconfined systems. <i>Environmental Earth Sciences</i> , 2019 , 78, 1	2.9	26
200	Quantile-based downscaling of rainfall extremes: Notes on methodological functionality, associated uncertainty and application in practice. <i>Advances in Water Resources</i> , 2019 , 131, 103371	4.7	12
199	Short-term electricity demand forecasting using machine learning methods enriched with ground-based climate and ECMWF Reanalysis atmospheric predictors in southeast Queensland, Australia. <i>Renewable and Sustainable Energy Reviews</i> , 2019 , 113, 109293	16.2	23
198	Associations between large-scale climate oscillations and land surface phenology in Iran. <i>Agricultural and Forest Meteorology</i> , 2019 , 278, 107682	5.8	16
197	Using bootstrap ELM and LSSVM models to estimate river ice thickness in the Mackenzie River Basin in the Northwest Territories, Canada. <i>Journal of Hydrology</i> , 2019 , 577, 123903	6	21
196	Comparative assessment of time series and artificial intelligence models to estimate monthly streamflow: A local and external data analysis approach. <i>Journal of Hydrology</i> , 2019 , 579, 124225	6	30
195	Domino effect of climate change over two millennia in ancient China's Hexi Corridor. <i>Nature Sustainability</i> , 2019 , 2, 957-961	22.1	25
194	Correcting Satellite Precipitation Data and Assimilating Satellite-Derived Soil Moisture Data to Generate Ensemble Hydrological Forecasts within the HBV Rainfall-Runoff Model. <i>Water (Switzerland)</i> , 2019 , 11, 2138	3	4
193	Water Vulnerability in Arctic Households: A Literature-based Analysis. <i>Arctic</i> , 2019 , 72, 300-316	2.1	7
192	Regionalizing time of concentration using landscape structural patterns of catchments. <i>Journal of Hydrology and Hydromechanics</i> , 2019 , 67, 135-142	2.1	2
191	Incorporating multi-criteria decision-making and fuzzy-value functions for flood susceptibility assessment. <i>Geocarto International</i> , 2019 , 1-21	2.7	34
190	Analysis of deterministic and geostatistical interpolation techniques for mapping meteorological variables at large watershed scales. <i>Acta Geophysica</i> , 2019 , 67, 191-203	2.2	19
189	Modeling sustainability visions: A case study of multi-scale food systems in Southwestern Ontario. <i>Journal of Environmental Management</i> , 2019 , 231, 1028-1047	7.9	6
188	Modified-DRASTIC, modified-SINTACS and SI methods for groundwater vulnerability assessment in the southern Tehran aquifer. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2019 , 54, 89-100	2.3	32
187	A critical review on the application of the National Sanitation Foundation Water Quality Index. <i>Environmental Pollution</i> , 2019 , 244, 575-587	9.3	80
186	Adaptive Neuro-Fuzzy Inference System integrated with solar zenith angle for forecasting sub-tropical Photosynthetically Active Radiation. <i>Food and Energy Security</i> , 2019 , 8, e00151	4.1	12

185	An ensemble prediction of flood susceptibility using multivariate discriminant analysis, classification and regression trees, and support vector machines. <i>Science of the Total Environment</i> , 2019 , 651, 2087-2096	10.2	303
184	Quantifying flood events in Bangladesh with a daily-step flood monitoring index based on the concept of daily effective precipitation. <i>Theoretical and Applied Climatology</i> , 2019 , 137, 1201-1215	3	4
183	A Stochastic Data-Driven Ensemble Forecasting Framework for Water Resources: A Case Study Using Ensemble Members Derived From a Database of Deterministic Wavelet-Based Models. <i>Water Resources Research</i> , 2019 , 55, 175-202	5.4	39
182	More food with less water [Optimizing agricultural water use. <i>Advances in Water Resources</i> , 2019 , 123, 256-261	4.7	6
181	Assessing the potential origins and human health risks of trace elements in groundwater: A case study in the Khoy plain, Iran. <i>Environmental Geochemistry and Health</i> , 2019 , 41, 981-1002	4.7	46
180	Participatory mapping of ecosystem services to understand stakeholders' perceptions of the future of the Mactaquac Dam, Canada. <i>Ecosystem Services</i> , 2018 , 30, 107-123	6.1	18
179	Two-phase particle swarm optimized-support vector regression hybrid model integrated with improved empirical mode decomposition with adaptive noise for multiple-horizon electricity demand forecasting. <i>Applied Energy</i> , 2018 , 217, 422-439	10.7	77
178	A New Approach to Predict Daily pH in Rivers Based on the [trous]Redundant Wavelet Transform Algorithm. <i>Water, Air, and Soil Pollution</i> , 2018 , 229, 1	2.6	9
177	Comparison of social-ecological resilience between two grassland management patterns driven by grassland land contract policy in the Maqu, Qinghai-Tibetan Plateau. <i>Land Use Policy</i> , 2018 , 74, 88-96	5.6	24
176	Future streamflow simulation in a snow-dominated Rocky Mountain headwater catchment 2018 , 49, 1172-1190		1
175	Multi-household grazing management pattern maintains better soil fertility. <i>Agronomy for Sustainable Development</i> , 2018 , 38, 1	6.8	20
174	Addressing the incorrect usage of wavelet-based hydrological and water resources forecasting models for real-world applications with best practices and a new forecasting framework. <i>Journal of Hydrology</i> , 2018 , 563, 336-353	6	79
173	Exploring the effects of climatic variables on monthly precipitation variation using a continuous wavelet-based multiscale entropy approach. <i>Environmental Research</i> , 2018 , 165, 176-192	7.9	28
172	Spatiotemporal variations of aridity in Iran using high-resolution gridded data. <i>International Journal of Climatology</i> , 2018 , 38, 2701-2717	3.5	28
171	Regionalizing Flood Magnitudes using Landscape Structural Patterns of Catchments. <i>Water Resources Management</i> , 2018 , 32, 2385-2403	3.7	5
170	Multi-step water quality forecasting using a boosting ensemble multi-wavelet extreme learning machine model. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018 , 32, 799-813	3.5	56
169	A methodological framework to support the initiation, design and institutionalization of participatory modeling processes in water resources management. <i>Journal of Hydrology</i> , 2018 , 556, 701-716	6	32
168	Serious games as a catalyst for boundary crossing, collaboration and knowledge co-creation in a watershed governance context. <i>Journal of Environmental Management</i> , 2018 , 223, 1010-1022	7.9	32

167	Assessing the benefits of serious games to support sustainable decision-making for transboundary watershed governance. <i>Canadian Water Resources Journal</i> , 2018 , 43, 401-415	1.7	4
166	Groundwater Pollution Sources Apportionment in the Ghaen Plain, Iran. <i>International Journal of Environmental Research and Public Health</i> , 2018 , 15,	4.6	32
165	Effect of Land Use Change on Soil Carbon Storage over the Last 40 Years in the Shi Yang River Basin, China. <i>Land</i> , 2018 , 7, 11	3.5	12
164	Applying the Theory of Reliability to the Assessment of Hazard, Risk and Safety in a Hydrologic System: A Case Study in the Upper Sola River Catchment, Poland. <i>Water (Switzerland)</i> , 2018 , 10, 723	3	5
163	Influences of afforestation policies on soil moisture content in China's arid and semi-arid regions. <i>Land Use Policy</i> , 2018 , 75, 449-458	5.6	23
162	Forecasting surface water-level fluctuations of a small glacial lake in Poland using a wavelet-based artificial intelligence method. <i>Acta Geophysica</i> , 2018 , 66, 1093-1107	2.2	12
161	An Entropy-Based Approach to Fuzzy Multi-objective Optimization of Reservoir Water Quality Monitoring Networks Considering Uncertainties. <i>Water Resources Management</i> , 2018 , 32, 4425-4443	3.7	11
160	Investigating the management performance of disinfection analysis of water distribution networks using data mining approaches. <i>Environmental Monitoring and Assessment</i> , 2018 , 190, 397	3.1	10
159	Spatio-temporal variation of rainfall over Bihar State, India. <i>Journal of Water and Land Development</i> , 2018 , 36, 183-197	1.4	11
158	Short-term electricity demand forecasting with MARS, SVR and ARIMA models using aggregated demand data in Queensland, Australia. <i>Advanced Engineering Informatics</i> , 2018 , 35, 1-16	7.4	131
157	Serious Games as Planning Support Systems: Learning from Playing Maritime Spatial Planning Challenge 2050. <i>Water (Switzerland)</i> , 2018 , 10, 1786	3	9
156	Effects of Afforestation on Soil Bulk Density and pH in the Loess Plateau, China. <i>Water (Switzerland)</i> , 2018 , 10, 1710	3	8
155	Socio-Psychological Perspectives on the Potential for Serious Games to Promote Transcendental Values in IWRM Decision-Making. <i>Water (Switzerland)</i> , 2018 , 10, 1097	3	9
154	Artificial intelligence approach for the prediction of Robusta coffee yield using soil fertility properties. <i>Computers and Electronics in Agriculture</i> , 2018 , 155, 324-338	6.5	39
153	Temporal and depth variation of water quality due to thermal stratification in Karkheh Reservoir, Iran. <i>Journal of Hydrology: Regional Studies</i> , 2018 , 19, 279-286	3.6	18
152	Interaction analysis data of simulation gaming events using the serious game Aqua Republica. <i>Data in Brief</i> , 2018 , 19, 2315-2328	1.2	
151	Evidence for the occurrence of hydrogeochemical processes in the groundwater of Khoy plain, northwestern Iran, using ionic ratios and geochemical modeling. <i>Environmental Earth Sciences</i> , 2018 , 77, 1	2.9	15
150	Input selection and data-driven model performance optimization to predict the Standardized Precipitation and Evaporation Index in a drought-prone region. <i>Atmospheric Research</i> , 2018 , 212, 130-145	5.4	50

149	Relationship between water quality and macro-scale parameters (land use, erosion, geology, and population density) in the Siminehrood River Basin. <i>Science of the Total Environment</i> , 2018 , 639, 1588-1600	10.2	31
148	A brief overview of trends in groundwater research: Progress towards sustainability?. <i>Journal of Environmental Management</i> , 2018 , 223, 849-851	7.9	16
147	A real-time hourly water index for flood risk monitoring: Pilot studies in Brisbane, Australia, and Dobong Observatory, South Korea. <i>Environmental Monitoring and Assessment</i> , 2018 , 190, 450	3.1	7
146	Using FloodRisk GIS freeware for uncertainty analysis of direct economic flood damages in Italy. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2018 , 73, 220-229	7.3	13
145	Application of effective drought index for quantification of meteorological drought events: a case study in Australia. <i>Theoretical and Applied Climatology</i> , 2017 , 128, 359-379	3	32
144	An ensemble wavelet bootstrap machine learning approach to water demand forecasting: a case study in the city of Calgary, Canada. <i>Urban Water Journal</i> , 2017 , 14, 185-201	2.3	20
143	Forecasting effective drought index using a wavelet extreme learning machine (W-ELM) model. <i>Stochastic Environmental Research and Risk Assessment</i> , 2017 , 31, 1211-1240	3.5	138
142	Climate change impacts on surface water resources in arid and semi-arid regions: a case study in northern Jordan. <i>Acta Geodaetica Et Geophysica</i> , 2017 , 52, 141-156	1.7	11
141	Uncertainty Estimation in Flood Inundation Mapping: An Application of Non-parametric Bootstrapping. <i>River Research and Applications</i> , 2017 , 33, 611-619	2.3	19
140	A Hybrid of Genetic Algorithm and Evidential Reasoning for Optimal Design of Project Scheduling: A Systematic Negotiation Framework for Multiple Decision-Makers. <i>International Journal of Information Technology and Decision Making</i> , 2017 , 16, 389-420	2.8	5
139	Very short-term reactive forecasting of the solar ultraviolet index using an extreme learning machine integrated with the solar zenith angle. <i>Environmental Research</i> , 2017 , 155, 141-166	7.9	55
138	Investigation of the scaling characteristics of LANDSAT temperature and vegetation data: a wavelet-based approach. <i>International Journal of Biometeorology</i> , 2017 , 61, 1709-1721	3.7	2
137	Assessing the suitability of extreme learning machines (ELM) for groundwater level prediction. <i>Journal of Water and Land Development</i> , 2017 , 32, 103-112	1.4	42
136	Parameter estimation and uncertainty analysis of the Spatial Agro Hydro Salinity Model (SAHYSMOD) in the semi-arid climate of Rechna Doab, Pakistan. <i>Environmental Modelling and Software</i> , 2017 , 94, 186-211	5.2	19
135	Coupling of a distributed stakeholder-built system dynamics socio-economic model with SAHYSMOD for sustainable soil salinity management. Part 2: Model coupling and application. <i>Journal of Hydrology</i> , 2017 , 551, 278-299	6	17
134	Coupling of a distributed stakeholder-built system dynamics socio-economic model with SAHYSMOD for sustainable soil salinity management [Part 1: Model development. <i>Journal of Hydrology</i> , 2017 , 551, 596-618	6	23
133	FloodRisk: a collaborative, free and open-source software for flood risk analysis. <i>Geomatics, Natural Hazards and Risk</i> , 2017 , 8, 1812-1832	3.6	20
132	Linking Spaceborne and Ground Observations of Autumn Foliage Senescence in Southern Québec, Canada. <i>Remote Sensing</i> , 2017 , 9, 630	5	5

131	Building a Foundation for Knowledge Co-Creation in Collaborative Water Governance: Dimensions of Stakeholder Networks Facilitated through Bridging Organizations. <i>Water (Switzerland)</i> , 2017 , 9, 60	3	20
130	Development of a new approach based on midwave infrared spectroscopy for post-consumer black plastic waste sorting in the recycling industry. <i>Waste Management</i> , 2017 , 68, 38-44	8.6	50
129	Forecasting soil temperature based on surface air temperature using a wavelet artificial neural network. <i>Meteorological Applications</i> , 2017 , 24, 603-611	2.1	17
128	The near-term prediction of drought and flooding conditions in the northeastern United States based on extreme phases of AMO and NAO. <i>Journal of Hydrology</i> , 2017 , 553, 130-141	6	15
127	Assessment of implement efficiency and soil structure under different conventional tillage implements and soil moisture contents in a silty loam soil. <i>Catena</i> , 2017 , 158, 413-420	5.8	4
126	Development of a software tool for rapid, reproducible, and stakeholder-friendly dynamic coupling of system dynamics and physically-based models. <i>Environmental Modelling and Software</i> , 2017 , 96, 410-420	5.2	17
125	Detecting soil temperature trends in Northeast Iran from 1993 to 2016. <i>Soil and Tillage Research</i> , 2017 , 174, 177-192	6.5	22
124	Granular Computing for Prediction of Scour Below Spillways. <i>Water Resources Management</i> , 2017 , 31, 313-326	3.7	3
123	Comparison of machine learning models for predicting fluoride contamination in groundwater. <i>Stochastic Environmental Research and Risk Assessment</i> , 2017 , 31, 2705-2718	3.5	52
122	Trend analysis of precipitation in Jharkhand State, India. <i>Theoretical and Applied Climatology</i> , 2017 , 130, 261-274	3	44
121	Association between three prominent climatic teleconnections and precipitation in Iran using wavelet coherence. <i>International Journal of Climatology</i> , 2017 , 37, 2809-2830	3.5	30
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