J F Adamowski

List of Publications by Citations

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	Applications of hybrid wavelet–Artificial Intelligence models in hydrology: A review. *Journal of Hydrology*, **2014**, 514, 358-377	6	419
273	A wavelet neural network conjunction model for groundwater level forecasting. *Journal of Hydrology*, **2011**, 407, 28-40	6	408
272	An ensemble prediction of flood susceptibility using multivariate discriminant analysis, classification and regression trees, and support vector machines. *Science of the Total Environment*, **2019**, 651, 2087-2096	10.2	303
271	Development of a coupled wavelet transform and neural network method for flow forecasting of non-perennial rivers in semi-arid watersheds. *Journal of Hydrology*, **2010**, 390, 85-91	6	299
270	Comparison of multiple linear and nonlinear regression, autoregressive integrated moving average, artificial neural network, and wavelet artificial neural network methods for urban water demand forecasting in Montreal, Canada. *Water Resources Research*, **2012**, 48,	5.4	267
269	Long-term SPI drought forecasting in the Awash River Basin in Ethiopia using wavelet neural network and wavelet support vector regression models. *Journal of Hydrology*, **2014**, 508, 418-429	6	261
268	A comparative assessment of flood susceptibility modeling using Multi-Criteria Decision-Making Analysis and Machine Learning Methods. *Journal of Hydrology*, **2019**, 573, 311-323	6	228
267	Spatial and temporal trends of mean and extreme rainfall and temperature for the 33 urban centers of the arid and semi-arid state of Rajasthan, India. *Atmospheric Research*, **2014**, 138, 73-90	5.4	200
266	Stream-flow forecasting using extreme learning machines: A case study in a semi-arid region in Iraq. *Journal of Hydrology*, **2016**, 542, 603-614	6	191
265	Using discrete wavelet transforms to analyze trends in streamflow and precipitation in Quebec and Ontario (1954–2008). *Journal of Hydrology*, **2012**, 475, 204-228	6	183
264	Modeling of daily pan evaporation in sub tropical climates using ANN, LS-SVR, Fuzzy Logic, and ANFIS. *Expert Systems With Applications*, **2014**, 41, 5267-5276	7.8	182
263	Comparison of Multivariate Regression and Artificial Neural Networks for Peak Urban Water-Demand Forecasting: Evaluation of Different ANN Learning Algorithms. *Journal of Hydrologic Engineering - ASCE*, **2010**, 15, 729-743	1.8	160
262	Urban water demand forecasting and uncertainty assessment using ensemble wavelet-bootstrap-neural network models. *Water Resources Research*, **2013**, 49, 6486-6507	5.4	142
261	Forecasting effective drought index using a wavelet extreme learning machine (W-ELM) model. *Stochastic Environmental Research and Risk Assessment*, **2017**, 31, 1211-1240	3.5	138
260	Short-term electricity demand forecasting with MARS, SVR and ARIMA models using aggregated demand data in Queensland, Australia. *Advanced Engineering Informatics*, **2018**, 35, 1-16	7.4	131
259	Development of a short-term river flood forecasting method for snowmelt driven floods based on wavelet and cross-wavelet analysis. *Journal of Hydrology*, **2008**, 353, 247-266	6	122
258	A novel multi criteria decision making model for optimizing time–cost–quality trade-off problems in construction projects. *Expert Systems With Applications*, **2015**, 42, 3089-3104	7.8	116

257	Using self-organizing maps and wavelet transforms for space–time pre-processing of satellite precipitation and runoff data in neural network based rainfall–runoff modeling. *Journal of Hydrology*, **2013**, 476, 228-243	6	115
256	Comparison of multivariate adaptive regression splines with coupled wavelet transform artificial neural networks for runoff forecasting in Himalayan micro-watersheds with limited data. *Journal of Hydroinformatics*, **2012**, 14, 731-744	2.6	111
255	Development of a new method of wavelet aided trend detection and estimation. *Hydrological Processes*, **2009**, 23, 2686-2696	3.3	109
254	Peak Daily Water Demand Forecast Modeling Using Artificial Neural Networks. *Journal of Water Resources Planning and Management - ASCE*, **2008**, 134, 119-128	2.8	107
253	Trend detection in surface air temperature in Ontario and Quebec, Canada during 1967–2006 using the discrete wavelet transform. *Atmospheric Research*, **2013**, 132-133, 375-398	5.4	100
252	Assessing the Impacts of Four Land Use Types on the Water Quality of Wetlands in Japan. *Water Resources Management*, **2013**, 27, 2217-2229	3.7	100
251	Application of wavelet-artificial intelligence hybrid models for water quality prediction: a case study in Aji-Chay River, Iran. *Stochastic Environmental Research and Risk Assessment*, **2016**, 30, 1797-1819	3.5	94
250	Empowering marginalized communities in water resources management: addressing inequitable practices in Participatory Model Building. *Journal of Environmental Management*, **2015**, 153, 153-62	7.9	93
249	Using causal loop diagrams for the initialization of stakeholder engagement in soil salinity management in agricultural watersheds in developing countries: a case study in the Rechna Doab watershed, Pakistan. *Journal of Environmental Management*, **2015**, 152, 251-67	7.9	91
248	Land use and land cover classification over a large area in Iran based on single date analysis of satellite imagery. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2011**, 66, 608-619	11.8	81
247	Short-term water quality variable prediction using a hybrid CNN–LSTM deep learning model. *Stochastic Environmental Research and Risk Assessment*, **2020**, 34, 415-433	3.5	80
246	A critical review on the application of the National Sanitation Foundation Water Quality Index. *Environmental Pollution*, **2019**, 244, 575-587	9.3	80
245	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. *Journal of Hydrology*, **2018**, 563, 336-353	6	79
244	Using wavelet transforms to estimate surface temperature trends and dominant periodicities in Iran based on gridded reanalysis data. *Atmospheric Research*, **2015**, 155, 52-72	5.4	77
243	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. *Applied Energy*, **2018**, 217, 422-439	10.7	77
242	Forecasting Urban Water Demand Via Wavelet-Denoising and Neural Network Models. Case Study: City of Syracuse, Italy. *Water Resources Management*, **2012**, 26, 3539-3558	3.7	77
241	Towards adaptive and integrated management paradigms to meet the challenges of water governance. *Water Science and Technology*, **2013**, 67, 2651-60	2.2	77
240	Coupling machine learning methods with wavelet transforms and the bootstrap and boosting ensemble approaches for drought prediction. *Atmospheric Research*, **2016**, 172-173, 37-47	5.4	76

239	Standard Precipitation Index Drought Forecasting Using Neural Networks, Wavelet Neural Networks, and Support Vector Regression. *Applied Computational Intelligence and Soft Computing*, **2012**, 2012, 1-13	2.7	76
238	Evaluation of data driven models for river suspended sediment concentration modeling. *Journal of Hydrology*, **2016**, 535, 457-472	6	74
237	River flow forecasting using wavelet and cross-wavelet transform models. *Hydrological Processes*, **2008**, 22, 4877-4891	3.3	73
236	Multiscale streamflow forecasting using a new Bayesian Model Average based ensemble multi-wavelet Volterra nonlinear method. *Journal of Hydrology*, **2013**, 507, 186-200	6	68
235	Analysis of trends and dominant periodicities in drought variables in India: A wavelet transform based approach. *Atmospheric Research*, **2016**, 182, 200-220	5.4	68
234	The effect of sand grain size on the development of cyanobacterial biocrusts. *Aeolian Research*, **2014**, 15, 217-226	3.9	66
233	Influence of Trend on Short Duration Design Storms. *Water Resources Management*, **2010**, 24, 401-413	3.7	64
232	A review: dew water collection from radiative passive collectors to recent developments of active collectors. *Sustainable Water Resources Management*, **2016**, 2, 71-86	1.9	59
231	Multi-step water quality forecasting using a boosting ensemble multi-wavelet extreme learning machine model. *Stochastic Environmental Research and Risk Assessment*, **2018**, 32, 799-813	3.5	56
230	Very short-term reactive forecasting of the solar ultraviolet index using an extreme learning machine integrated with the solar zenith angle. *Environmental Research*, **2017**, 155, 141-166	7.9	55
229	A fuzzy-logic based decision-making approach for identification of groundwater quality based on groundwater quality indices. *Journal of Environmental Management*, **2016**, 184, 255-270	7.9	55
228	Drought forecasting using new machine learning methods / Prognozowanie suszy z wykorzystaniem automatycznych samouczących si metod. *Journal of Water and Land Development*, **2013**, 18, 3-12	1.4	54
227	Exploring the Potential Impact of Serious Games on Social Learning and Stakeholder Collaborations for Transboundary Watershed Management of the St. Lawrence River Basin. *Water (Switzerland)*, **2016**, 8, 175	3	54
226	Bootstrap rank-ordered conditional mutual information (broCMI): A nonlinear input variable selection method for water resources modeling. *Water Resources Research*, **2016**, 52, 2299-2326	5.4	54
225	Multi-Loop Social Learning for Sustainable Land and Water Governance: Towards a Research Agenda on the Potential of Virtual Learning Platforms. *Njas - Wageningen Journal of Life Sciences*, **2014**, 69, 23-38	7	52
224	Comparison of machine learning models for predicting fluoride contamination in groundwater. *Stochastic Environmental Research and Risk Assessment*, **2017**, 31, 2705-2718	3.5	52
223	The role of paradigms in engineering practice and education for sustainable development. *Journal of Cleaner Production*, **2015**, 106, 272-282	10.3	50
222	Wavelet-based multiscale performance analysis: An approach to assess and improve hydrological models. *Water Resources Research*, **2014**, 50, 9721-9737	5.4	50

221	Development of a new approach based on midwave infrared spectroscopy for post-consumer black plastic waste sorting in the recycling industry. *Waste Management*, **2017**, 68, 38-44	8.6	50
220	Input selection and data-driven model performance optimization to predict the Standardized Precipitation and Evaporation Index in a drought-prone region. *Atmospheric Research*, **2018**, 212, 130-149	5.4	50
219	A multiscale and multivariate analysis of precipitation and streamflow variability in relation to ENSO, NAO and PDO. *Journal of Hydrology*, **2019**, 574, 288-307	6	49
218	Recasting payments for ecosystem services (PES) in water resource management: A novel institutional approach. *Ecosystem Services*, **2014**, 10, 144-154	6.1	47
217	Assessing the potential origins and human health risks of trace elements in groundwater: A case study in the Khoy plain, Iran. *Environmental Geochemistry and Health*, **2019**, 41, 981-1002	4.7	46
216	Multi-objective decision-making for green infrastructure planning (LID-BMPs) in urban storm water management under uncertainty. *Journal of Hydrology*, **2019**, 579, 124091	6	45
215	Comparative assessment of spatiotemporal snow cover changes and hydrological behavior of the Gilgit, Astore and Hunza River basins (Hindukush–Karakoram–Himalaya region, Pakistan). *Meteorology and Atmospheric Physics*, **2016**, 128, 793-811	2	44
214	Trend analysis of precipitation in Jharkhand State, India. *Theoretical and Applied Climatology*, **2017**, 130, 261-274	3	44
213	Medium-Term Urban Water Demand Forecasting with Limited Data Using an Ensemble Wavelet–Bootstrap Machine-Learning Approach. *Journal of Water Resources Planning and Management - ASCE*, **2015**, 141, 04014053	2.8	43
212	Assessing the suitability of extreme learning machines (ELM) for groundwater level prediction. *Journal of Water and Land Development*, **2017**, 32, 103-112	1.4	42
211	Hybrid artificial intelligence-time series models for monthly streamflow modeling. *Applied Soft Computing Journal*, **2019**, 80, 873-887	7.5	41
210	Using extreme learning machines for short-term urban water demand forecasting. *Urban Water Journal*, **2017**, 14, 630-638	2.3	41
209	Universally deployable extreme learning machines integrated with remotely sensed MODIS satellite predictors over Australia to forecast global solar radiation: A new approach. *Renewable and Sustainable Energy Reviews*, **2019**, 104, 235-261	16.2	39
208	Estimation of in-situ bioremediation system cost using a hybrid Extreme Learning Machine (ELM)-particle swarm optimization approach. *Journal of Hydrology*, **2016**, 543, 373-385	6	39
207	A century of observations reveals increasing likelihood of continental-scale compound dry-hot extremes. *Science Advances*, **2020**, 6,	14.3	39
206	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. *Water Resources Research*, **2019**, 55, 175-202	5.4	39
205	Artificial intelligence approach for the prediction of Robusta coffee yield using soil fertility properties. *Computers and Electronics in Agriculture*, **2018**, 155, 324-338	6.5	39
204	Juggling multiple dimensions in a complex socio-ecosystem: The issue of targeting in payments for ecosystem services. *Geoforum*, **2015**, 58, 1-13	2.9	38

203	Short-term SPI drought forecasting in the Awash River Basin in Ethiopia using wavelet transforms and machine learning methods. *Sustainable Water Resources Management*, **2016**, 2, 87-101	1.9	38
202	Using the MannKendall test and double mass curve method to explore stream flow changes in response to climate and human activities. *Journal of Water and Climate Change*, **2019**, 10, 725-742	2.3	38
201	Multi-step streamflow forecasting using data-driven non-linear methods in contrasting climate regimes. *Journal of Hydroinformatics*, **2014**, 16, 671-689	2.6	38
200	Inter-annual to inter-decadal streamflow variability in Quebec and Ontario in relation to dominant large-scale climate indices. *Journal of Hydrology*, **2016**, 536, 426-446	6	37
199	Development of expert systems for the prediction of scour depth under live-bed conditions at river confluences: Application of different types of ANNs and the M5P model tree. *Applied Soft Computing Journal*, **2015**, 34, 51-59	7.5	37
198	A GIS-based model to estimate flood consequences and the degree of accessibility and operability of strategic emergency response structures in urban areas. *Natural Hazards and Earth System Sciences*, **2014**, 14, 2847-2865	3.9	37
197	Trend analysis of climatic variables in an arid and semi-arid region of the Ajmer District, Rajasthan, India. *Journal of Water and Land Development*, **2016**, 28, 3-18	1.4	36
196	Modelling large floating bodies in urban area flash-floods via a Smoothed Particle Hydrodynamics model. *Journal of Hydrology*, **2016**, 541, 344-358	6	35
195	Incorporating multi-criteria decision-making and fuzzy-value functions for flood susceptibility assessment. *Geocarto International*, **2019**, 1-21	2.7	34
194	Influence of the 11 year solar cycle on annual streamflow maxima in Southern Canada. *Journal of Hydrology*, **2012**, 442-443, 55-62	6	33
193	A System Dynamics Model to Conserve Arid Region Water Resources through Aquifer Storage and Recovery in Conjunction with a Dam. *Water (Switzerland)*, **2014**, 6, 2300-2321	3	33
192	Exploring the behavioural attributes, strategies and contextual knowledge of champions of change in the Canadian water sector. *Canadian Water Resources Journal*, **2014**, 39, 255-269	1.7	33
191	Application of effective drought index for quantification of meteorological drought events: a case study in Australia. *Theoretical and Applied Climatology*, **2017**, 128, 359-379	3	32
190	Short-term forecasting of groundwater levels under conditions of mine-tailings recharge using wavelet ensemble neural network models. *Hydrogeology Journal*, **2015**, 23, 121-141	3.1	32
189	A methodological framework to support the initiation, design and institutionalization of participatory modeling processes in water resources management. *Journal of Hydrology*, **2018**, 556, 701-716	6	32
188	Serious games as a catalyst for boundary crossing, collaboration and knowledge co-creation in a watershed governance context. *Journal of Environmental Management*, **2018**, 223, 1010-1022	7.9	32
187	Groundwater Pollution Sources Apportionment in the Ghaen Plain, Iran. *International Journal of Environmental Research and Public Health*, **2018**, 15,	4.6	32
186	Functional organization analysis for the design of sustainable engineering systems. *Ecological Engineering*, **2014**, 73, 80-91	3.9	32

185	Modified-DRASTIC, modified-SINTACS and SI methods for groundwater vulnerability assessment in the southern Tehran aquifer. *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*, **2019**, 54, 89-100	2.3	32
184	Grassland Degradation on the Qinghai-Tibetan Plateau: Reevaluation of Causative Factors. *Rangeland Ecology and Management*, **2019**, 72, 988-995	2.2	31
183	Coupling the maximum overlap discrete wavelet transform and long short-term memory networks for irrigation flow forecasting. *Agricultural Water Management*, **2019**, 219, 72-85	5.9	31
182	Capabilities as justice: Analysing the acceptability of payments for ecosystem services (PES) through social multi-criteria evaluation. *Ecological Economics*, **2015**, 118, 99-113	5.6	31
181	Characterization of hydrogeologic properties of the Tabriz plain multilayer aquifer system, NW Iran. *Arabian Journal of Geosciences*, **2016**, 9, 1	1.8	31
180	Relationship between water quality and macro-scale parameters (land use, erosion, geology, and population density) in the Siminehrood River Basin. *Science of the Total Environment*, **2018**, 639, 1588-1600	10.2	31
179	Delimitation of groundwater zones under contamination risk using a bagged ensemble of optimized DRASTIC frameworks. *Environmental Science and Pollution Research*, **2019**, 26, 8325-8339	5.1	30
178	Comparative assessment of time series and artificial intelligence models to estimate monthly streamflow: A local and external data analysis approach. *Journal of Hydrology*, **2019**, 579, 124225	6	30
177	Association between three prominent climatic teleconnections and precipitation in Iran using wavelet coherence. *International Journal of Climatology*, **2017**, 37, 2809-2830	3.5	30
176	Detection of trends in days with extreme temperatures in Iran from 1961 to 2010. *Theoretical and Applied Climatology*, **2016**, 125, 213-225	3	29
175	A Spectral Analysis Based Methodology to Detect Climatological Influences on Daily Urban Water Demand. *Mathematical Geosciences*, **2013**, 45, 49-68	2.5	29
174	Exploring the effects of climatic variables on monthly precipitation variation using a continuous wavelet-based multiscale entropy approach. *Environmental Research*, **2018**, 165, 176-192	7.9	28
173	Spatiotemporal variations of aridity in Iran using high-resolution gridded data. *International Journal of Climatology*, **2018**, 38, 2701-2717	3.5	28
172	Collaborative Strategies for Sustainable EU Flood Risk Management: FOSS and Geospatial Tools—Challenges and Opportunities for Operative Risk Analysis. *ISPRS International Journal of Geo-Information*, **2015**, 4, 2704-2727	2.9	28
171	Predicting Triaxial Compressive Strength and Young's Modulus of Frozen Sand Using Artificial Intelligence Methods. *Journal of Cold Regions Engineering - ASCE*, **2019**, 33, 04019007	1.1	26
170	Evaluation of data-driven models (SVR and ANN) for groundwater-level prediction in confined and unconfined systems. *Environmental Earth Sciences*, **2019**, 78, 1	2.9	26
169	Coupling a hybrid CNN-LSTM deep learning model with a Boundary Corrected Maximal Overlap Discrete Wavelet Transform for multiscale Lake water level forecasting. *Journal of Hydrology*, **2021**, 598, 126196	6	26
168	Domino effect of climate change over two millennia in ancient China's Hexi Corridor. *Nature Sustainability*, **2019**, 2, 957-961	22.1	25

167	Comparison of social-ecological resilience between two grassland management patterns driven by grassland land contract policy in the Maqu, Qinghai-Tibetan Plateau. *Land Use Policy*, **2018**, 74, 88-96	5.6	24
166	Coupling of a distributed stakeholder-built system dynamics socio-economic model with SAHYSMOD for sustainable soil salinity management Part 1: Model development. *Journal of Hydrology*, **2017**, 551, 596-618	6	23
165	Uncertainty analysis for extreme flood events in a semi-arid region. *Natural Hazards*, **2015**, 78, 1947-1960	3	23
164	Optimal groundwater remediation design of pump and treat systems via a simulation optimization approach and firefly algorithm. *Engineering Optimization*, **2015**, 47, 1-17	2	23
163	Influences of afforestation policies on soil moisture content in China arid and semi-arid regions. *Land Use Policy*, **2018**, 75, 449-458	5.6	23
162	Short-term electricity demand forecasting using machine learning methods enriched with ground-based climate and ECMWF Reanalysis atmospheric predictors in southeast Queensland, Australia. *Renewable and Sustainable Energy Reviews*, **2019**, 113, 109293	16.2	23
161	Assessing the impacts of the urban heat island effect on streamflow patterns in Ottawa, Canada. *Journal of Hydrology*, **2013**, 496, 225-237	6	23
160	Estimating Evapotranspiration Using an Extreme Learning Machine Model: Case Study in North Bihar, India. *Journal of Irrigation and Drainage Engineering - ASCE*, **2016**, 142, 04016032	1.1	23
159	Quantifying the spatial temporal variability of annual streamflow and meteorological changes in eastern Ontario and southwestern Quebec using wavelet analysis and GIS. *Journal of Hydrology*, **2013**, 499, 27-40	6	22
158	Detecting soil temperature trends in Northeast Iran from 1993 to 2016. *Soil and Tillage Research*, **2017**, 174, 177-192	6.5	22
157	A system dynamics based socio-hydrological model for agricultural wastewater reuse at the watershed scale. *Agricultural Water Management*, **2016**, 171, 89-107	5.9	22
156	Using bootstrap ELM and LSSVM models to estimate river ice thickness in the Mackenzie River Basin in the Northwest Territories, Canada. *Journal of Hydrology*, **2019**, 577, 123903	6	21
155	Determining the amplitude and timing of streamflow discontinuities: A cross wavelet analysis approach. *Hydrological Processes*, **2014**, 28, 2782-2793	3.3	21
154	Towards sustainable water governance: Examining water governance issues in Qubec through the lens of multi-loop social learning. *Canadian Water Resources Journal*, **2015**, 40, 373-391	1.7	21
153	Warming enabled upslope advance in western US forest fires. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	21
152	A wavelet-SARIMA-ANN hybrid model for precipitation forecasting. *Journal of Water and Land Development*, **2016**, 28, 27-36	1.4	21
151	An ensemble wavelet bootstrap machine learning approach to water demand forecasting: a case study in the city of Calgary, Canada. *Urban Water Journal*, **2017**, 14, 185-201	2.3	20
150	FloodRisk: a collaborative, free and open-source software for flood risk analysis. *Geomatics, Natural Hazards and Risk*, **2017**, 8, 1812-1832	3.6	20

149	Building a Foundation for Knowledge Co-Creation in Collaborative Water Governance: Dimensions of Stakeholder Networks Facilitated through Bridging Organizations. *Water (Switzerland)*, **2017**, 9, 60	3	20
148	Multi-household grazing management pattern maintains better soil fertility. *Agronomy for Sustainable Development*, **2018**, 38, 1	6.8	20
147	Mitigating Socio-Economic-Environmental Impacts During Drought Periods by Optimizing the Conjunctive Management of Water Resources. *Water Resources Management*, **2014**, 28, 1517-1529	3.7	20
146	READY: a web-based geographical information system for enhanced flood resilience through raising awareness in citizens. *Natural Hazards and Earth System Sciences*, **2015**, 15, 1645-1658	3.9	20
145	Water demand forecasting using extreme learning machines. *Journal of Water and Land Development*, **2016**, 28, 37-52	1.4	20
144	Rainwater harvesting for the management of agricultural droughts in arid and semi-arid regions. *Paddy and Water Environment*, **2016**, 14, 231-246	1.6	19
143	Uncertainty Estimation in Flood Inundation Mapping: An Application of Non-parametric Bootstrapping. *River Research and Applications*, **2017**, 33, 611-619	2.3	19
142	Parameter estimation and uncertainty analysis of the Spatial Agro Hydro Salinity Model (SAHYSMOD) in the semi-arid climate of Rechna Doab, Pakistan. *Environmental Modelling and Software*, **2017**, 94, 186-211	5.2	19
141	Application of process mapping and causal loop diagramming to enhance engagement in pollution prevention in small to medium size enterprises: case study of a dairy processing facility. *Journal of Cleaner Production*, **2015**, 102, 275-284	10.3	19
140	A stochastic wavelet-based data-driven framework for forecasting uncertain multiscale hydrological and water resources processes. *Environmental Modelling and Software*, **2020**, 130, 104718	5.2	19
139	Analysis of deterministic and geostatistical interpolation techniques for mapping meteorological variables at large watershed scales. *Acta Geophysica*, **2019**, 67, 191-203	2.2	19
138	The role of climate change and vegetation greening on the variation of terrestrial evapotranspiration in northwest China's Qilian Mountains. *Science of the Total Environment*, **2021**, 759, 143532	10.2	19
137	Participatory mapping of ecosystem services to understand stakeholders perceptions of the future of the Mactaquac Dam, Canada. *Ecosystem Services*, **2018**, 30, 107-123	6.1	18
136	Detection of trends in days with thunderstorms in Iran over the past five decades. *Atmospheric Research*, **2016**, 172-173, 174-185	5.4	18
135	Meeting Aichi Target 11: Equity considerations in Marine Protected Areas design. *Ocean and Coastal Management*, **2016**, 134, 112-119	3.9	18
134	Temporal and depth variation of water quality due to thermal stratification in Karkheh Reservoir, Iran. *Journal of Hydrology: Regional Studies*, **2018**, 19, 279-286	3.6	18
133	Coupling of a distributed stakeholder-built system dynamics socio-economic model with SAHYSMOD for sustainable soil salinity management. Part 2: Model coupling and application. *Journal of Hydrology*, **2017**, 551, 278-299	6	17
132	Optimal Remediation Design of Unconfined Contaminated Aquifers Based on the Finite Element Method and a Modified Firefly Algorithm. *Water Resources Management*, **2015**, 29, 2895-2912	3.7	17

131	Soil failure patterns and draft as influenced by consistency limits: An evaluation of the remolded soil cutting test. *Soil and Tillage Research*, **2014**, 137, 58-66	6.5	17
130	Forecasting soil temperature based on surface air temperature using a wavelet artificial neural network. *Meteorological Applications*, **2017**, 24, 603-611	2.1	17
129	Development of a software tool for rapid, reproducible, and stakeholder-friendly dynamic coupling of system dynamics and physically-based models. *Environmental Modelling and Software*, **2017**, 96, 410-420	5.2	17
128	Impact of grassland contract policy on soil organic carbon losses from alpine grassland on the Qinghai□Tibetan Plateau. *Soil Use and Management*, **2017**, 33, 663-671	3.1	17
127	A participatory system dynamics modeling approach to facilitate collaborative flood risk management: A case study in the Bradano River (Italy). *Journal of Hydrology*, **2020**, 580, 124354	6	17
126	Modeling the Relationship between Catchment Attributes and In-stream Water Quality. *Water Resources Management*, **2015**, 29, 5055-5072	3.7	16
125	Associations between large-scale climate oscillations and land surface phenology in Iran. *Agricultural and Forest Meteorology*, **2019**, 278, 107682	5.8	16
124	Crop kites: Determining crop-water production functions using crop coefficients and sensitivity indices. *Advances in Water Resources*, **2016**, 97, 193-204	4.7	16
123	A brief overview of trends in groundwater research: Progress towards sustainability?. *Journal of Environmental Management*, **2018**, 223, 849-851	7.9	16
122	Natural and anthropogenic origins of selected trace elements in the surface waters of Tabriz area, Iran. *Environmental Earth Sciences*, **2019**, 78, 1	2.9	15
121	Data Assimilation for Streamflow Forecasting Using Extreme Learning Machines and Multilayer Perceptrons. *Water Resources Research*, **2020**, 56, e2019WR026226	5.4	15
120	The near-term prediction of drought and flooding conditions in the northeastern United States based on extreme phases of AMO and NAO. *Journal of Hydrology*, **2017**, 553, 130-141	6	15
119	First Nation capacity in Qu□bec to practise integrated water resources management. *International Journal of Water*, **2013**, 7, 161	0.9	15
118	Evidence for the occurrence of hydrogeochemical processes in the groundwater of Khoy plain, northwestern Iran, using ionic ratios and geochemical modeling. *Environmental Earth Sciences*, **2018**, 77, 1	2.9	15
117	Which slope aspect and gradient provides the best afforestation-driven soil carbon sequestration on the China's Loess Plateau?. *Ecological Engineering*, **2020**, 147, 105782	3.9	14
116	A multi-level perspective on the legitimacy of collaborative water governance in Qu□bec. *Canadian Water Resources Journal*, **2016**, 41, 353-371	1.7	14
115	Snow-melt flood frequency analysis by means of copula based 2D probability distributions for the Narew River in Poland. *Journal of Hydrology: Regional Studies*, **2016**, 6, 26-51	3.6	14
114	Modification of the DRASTIC Framework for Mapping Groundwater Vulnerability Zones. *Ground Water*, **2020**, 58, 441-452	2.4	14

113	Assessing agricultural drought at a regional scale using LULC classification, SPI, and vegetation indices: case study in a rainfed agro-ecosystem in Central Mexico. *Geomatics, Natural Hazards and Risk*, **2016**, 7, 1460-1488	3.6	13
112	Interfacing the geographic information system, remote sensing, and the soil conservation service□urve number method to estimate curve number and runoff volume in the Asir region of Saudi Arabia. *Arabian Journal of Geosciences*, **2015**, 8, 11093-11105	1.8	13
111	GIS methods for sustainable stormwater harvesting and storage using remote sensing for land cover data - location assessment. *Environmental Monitoring and Assessment*, **2015**, 187, 598	3.1	13
110	Response of leaf stoichiometry of Oxytropis ochrocephala to elevation and slope aspect. *Catena*, **2020**, 194, 104772	5.8	13
109	Probabilistic Event Based Rainfall-Runoff Modeling Using Copula Functions. *Water Resources Management*, **2019**, 33, 3799-3814	3.7	13
108	A new approach for regional scale interrill and rill erosion intensity mapping using brightness index assessments from medium resolution satellite images. *Catena*, **2014**, 113, 306-313	5.8	13
107	Land-use and land-cover classification in semi-arid regions using independent component analysis (ICA) and expert classification. *International Journal of Remote Sensing*, **2014**, 35, 8057-8073	3.1	13
106	Using FloodRisk GIS freeware for uncertainty analysis of direct economic flood damages in Italy. *International Journal of Applied Earth Observation and Geoinformation*, **2018**, 73, 220-229	7.3	13
105	Controlling factors of plant community composition with respect to the slope aspect gradient in the Qilian Mountains. *Ecosphere*, **2019**, 10, e02851	3.1	12
104	Spatio-temporal variation of reference evapotranspiration in northwest China based on CORDEX-EA. *Atmospheric Research*, **2020**, 238, 104868	5.4	12
103	Effect of Land Use Change on Soil Carbon Storage over the Last 40 Years in the Shi Yang River Basin, China. *Land*, **2018**, 7, 11	3.5	12
102	Forecasting surface water-level fluctuations of a small glacial lake in Poland using a wavelet-based artificial intelligence method. *Acta Geophysica*, **2018**, 66, 1093-1107	2.2	12
101	Quantile-based downscaling of rainfall extremes: Notes on methodological functionality, associated uncertainty and application in practice. *Advances in Water Resources*, **2019**, 131, 103371	4.7	12
100	Comparison of machine learning methods for runoff forecasting in mountainous watersheds with limited data / Por□wnanie metod uczenia maszynowego do prognozowania sp□wu w zlewniach g□skich na podstawie ograniczonych danych. *Journal of Water and Land Development*, **2012**, 17, 89-97	1.4	12
99	Adaptive Neuro-Fuzzy Inference System integrated with solar zenith angle for forecasting sub-tropical Photosynthetically Active Radiation. *Food and Energy Security*, **2019**, 8, e00151	4.1	12
98	Climate change impacts on surface water resources in arid and semi-arid regions: a case study in northern Jordan. *Acta Geodaetica Et Geophysica*, **2017**, 52, 141-156	1.7	11
97	Projections of future soil temperature in northeast Iran. *Geoderma*, **2019**, 349, 11-24	6.7	11
96	Fuzzy-based conflict resolution management of groundwater in-situ bioremediation under hydrogeological uncertainty. *Journal of Hydrology*, **2019**, 571, 376-389	6	11

95	An Entropy-Based Approach to Fuzzy Multi-objective Optimization of Reservoir Water Quality Monitoring Networks Considering Uncertainties. *Water Resources Management*, **2018**, 32, 4425-4443	3.7	11
94	Spatio-temporal variation of rainfall over Bihar State, India. *Journal of Water and Land Development*, **2018**, 36, 183-197	1.4	11
93	An ensemble tree-based machine learning model for predicting the uniaxial compressive strength of travertine rocks. *Neural Computing and Applications*, **2020**, 32, 9065-9080	4.8	11
92	A hydrogeological-based multi-criteria method for assessing the vulnerability of coastal aquifers to saltwater intrusion. *Environmental Earth Sciences*, **2019**, 78, 1	2.9	10
91	Examining lag time using the landscape, pedoscape and lithoscape metrics of catchments. *Ecological Indicators*, **2019**, 105, 36-46	5.8	10
90	Suitable exclosure duration for the restoration of degraded alpine grasslands on the Qinghai-Tibetan Plateau. *Land Use Policy*, **2019**, 86, 261-267	5.6	10
89	Crow Algorithm for Irrigation Management: A Case Study. *Water Resources Management*, **2020**, 34, 1021-1045	3.7	10
88	Regionalization of Tank Model Using Landscape Metrics of Catchments. *Water Resources Management*, **2016**, 30, 5065-5085	3.7	10
87	Investigating the management performance of disinfection analysis of water distribution networks using data mining approaches. *Environmental Monitoring and Assessment*, **2018**, 190, 397	3.1	10
86	Comparison of OLS, ANN, KTRL, KTRL2, RLOC, and MOVE as Record-Extension Techniques for Water Quality Variables. *Water, Air, and Soil Pollution*, **2014**, 225, 1	2.6	10
85	Implications of spatial scale on climate change assessments. *Journal of Water and Land Development*, **2015**, 26, 37-55	1.4	10
84	Projected spatial patterns in precipitation and air temperature for China's northwest region derived from high-resolution regional climate models. *International Journal of Climatology*, **2020**, 40, 3922-3941	3.5	10
83	Soil fragmentation and aggregate stability as affected by conventional tillage implements and relations with fractal dimensions. *Soil and Tillage Research*, **2020**, 197, 104494	6.5	10
82	Stochastic Modeling of Groundwater Fluoride Contamination: Introducing Lazy Learners. *Ground Water*, **2020**, 58, 723-734	2.4	10
81	Feasibility of a "greenhouse system" for household greywater treatment in nomadic-cultured communities in peri-urban Ger areas of Ulaanbaatar, Mongolia: an approach to reduce greywater-borne hazards and vulnerability. *Journal of Cleaner Production*, **2016**, 114, 431-442	10.3	9
80	Farmers' Willingness to Accept Compensation to Maintain the Benefits of Urban Forests. *Forests*, **2019**, 10, 691	2.8	9
79	A New Approach to Predict Daily pH in Rivers Based on the "trous" Redundant Wavelet Transform Algorithm. *Water, Air, and Soil Pollution*, **2018**, 229, 1	2.6	9
78	Conflict Management in Participatory Approaches to Water Management: A Case Study of Lake Ontario and the St. Lawrence River Regulation. *Water (Switzerland)*, **2016**, 8, 280	3	9

77	Sequential ordering of crane service requests considering the pending times of the requests: An approach based on game theory and optimization techniques. *Automation in Construction*, **2016**, 70, 62-76	3.6	9
76	Serious Games as Planning Support Systems: Learning from Playing Maritime Spatial Planning Challenge 2050. *Water (Switzerland)*, **2018**, 10, 1786	3	9
75	Socio-Psychological Perspectives on the Potential for Serious Games to Promote Transcendental Values in IWRM Decision-Making. *Water (Switzerland)*, **2018**, 10, 1097	3	9
74	Large Scale Flood Risk Mapping in Data Scarce Environments: An Application for Romania. *Water (Switzerland)*, **2020**, 12, 1834	3	8
73	Effects of Afforestation on Soil Bulk Density and pH in the Loess Plateau, China. *Water (Switzerland)*, **2018**, 10, 1710	3	8
72	Investigating monthly precipitation variability using a multiscale approach based on ensemble empirical mode decomposition. *Paddy and Water Environment*, **2019**, 17, 741-759	1.6	7
71	The application of Dynamic Linear Bayesian Models in hydrological forecasting: Varying Coefficient Regression and Discount Weighted Regression. *Journal of Hydrology*, **2015**, 530, 762-784	6	7
70	Record extension for short-gauged water quality parameters using a newly proposed robust version of the Line of Organic Correlation technique. *Hydrology and Earth System Sciences*, **2012**, 16, 2253-2266	5.5	7
69	Numerical solution for two-dimensional flow under sluice gates using the natural element method. *Canadian Journal of Civil Engineering*, **2010**, 37, 1550-1559	1.3	7
68	Water Vulnerability in Arctic Households: A Literature-based Analysis. *Arctic*, **2019**, 72, 300-316	2.1	7
67	Insights from socio-hydrological modeling to design sustainable wastewater reuse strategies for agriculture at the watershed scale. *Agricultural Water Management*, **2020**, 231, 105983	5.9	7
66	A comparison of conventional and wavelet transform based methods for streamflow record extension. *Journal of Hydrology*, **2020**, 582, 124503	6	7
65	A real-time hourly water index for flood risk´monitoring: Pilot studies in Brisbane, Australia, and Dobong Observatory, South Korea. *Environmental Monitoring and Assessment*, **2018**, 190, 450	3.1	7
64	A GIS Tool for Mapping Dam-Break Flood Hazards in Italy. *ISPRS International Journal of Geo-Information*, **2019**, 8, 250	2.9	6
63	Multi-objective optimization of in-situ bioremediation of groundwater using a hybrid metaheuristic technique based on differential evolution, genetic algorithms and simulated annealing. *Journal of Water and Land Development*, **2015**, 27, 29-40	1.4	6
62	Causality of climate, food production and conflict over the last two millennia in the Hexi Corridor, China. *Science of the Total Environment*, **2020**, 713, 136587	10.2	6
61	Modeling sustainability visions: A case study of multi-scale food systems in Southwestern Ontario. *Journal of Environmental Management*, **2019**, 231, 1028-1047	7.9	6
60	More food with less water Optimizing agricultural water use. *Advances in Water Resources*, **2019**, 123, 256-261	4.7	6

59	Implications of variability in soil structures and physio-mechanical properties of soil after different failure patterns. *Geoderma*, **2016**, 261, 124-132	6.7	5
58	A Hybrid of Genetic Algorithm and Evidential Reasoning for Optimal Design of Project Scheduling: A Systematic Negotiation Framework for Multiple Decision-Makers. *International Journal of Information Technology and Decision Making*, **2017**, 16, 389-420	2.8	5
57	Effects of stand age on carbon storage in dragon spruce forest ecosystems in the upper reaches of the Bailongjiang River basin, China. *Scientific Reports*, **2019**, 9, 3005	4.9	5
56	PODMT3DMS-Tool: proper orthogonal decomposition linked to the MT3DMS model for nitrate simulation in aquifers. *Hydrogeology Journal*, **2020**, 28, 1125-1142	3.1	5
55	Smoothed Particle Hydrodynamics Modeling with Advanced Boundary Conditions for Two-Dimensional Dam-Break Floods. *Water (Switzerland)*, **2020**, 12, 1142	3	5
54	Linking Spaceborne and Ground Observations of Autumn Foliage Senescence in Southern Québec, Canada. *Remote Sensing*, **2017**, 9, 630	5	5
53	Regionalizing Flood Magnitudes using Landscape Structural Patterns of Catchments. *Water Resources Management*, **2018**, 32, 2385-2403	3.7	5
52	Exploring alternative sources of funding for deploying sustainable sanitation technologies and services in Mongolia. *International Journal of Water Resources Development*, **2016**, 32, 881-894	3	5
51	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. *Water (Switzerland)*, **2018**, 10, 723	3	5
50	High accuracy Land Use Land Cover (LULC) maps for detecting agricultural drought effects in rainfed agro-ecosystems in central Mexico. *Journal of Water and Land Development*, **2015**, 26, 19-35	1.4	5
49	Analysis of the behavior of three digital elevation model correction methods on critical natural scenarios. *Journal of Hydrology: Regional Studies*, **2016**, 8, 304-315	3.6	5
48	The Impact of Virtual Water on Sustainable Development in Gansu Province. *Applied Sciences (Switzerland)*, **2020**, 10, 586	2.6	4
47	Assessing the benefits of serious games to support sustainable decision-making for transboundary watershed governance. *Canadian Water Resources Journal*, **2018**, 43, 401-415	1.7	4
46	Correcting Satellite Precipitation Data and Assimilating Satellite-Derived Soil Moisture Data to Generate Ensemble Hydrological Forecasts within the HBV Rainfall-Runoff Model. *Water (Switzerland)*, **2019**, 11, 2138	3	4
45	Assessment of implement efficiency and soil structure under different conventional tillage implements and soil moisture contents in a silty loam soil. *Catena*, **2017**, 158, 413-420	5.8	4
44	Community based adaptation options for climate change impacts on water resources: The case of Jordan. *Journal of Water and Land Development*, **2015**, 26, 3-17	1.4	4
43	Evaluation of the Performance of Eight Record-Extension Techniques Under Different Levels of Association, Presence of Outliers and Different Sizes of Concurrent Records: A Monte Carlo Study. *Water Resources Management*, **2014**, 28, 5139-5155	3.7	4
42	Closure to "Comparison of Multivariate Regression and Artificial Neural Networks for Peak Urban Water-Demand Forecasting: Evaluation of Different ANN Learning Algorithms" by Jan Adamowski and Christina Karapataki. *Journal of Hydrologic Engineering - ASCE*, **2012**, 17, 834-836	1.8	4

41	Multi-level storylines for participatory modeling □nvolving marginalized communities in Tz'olJ□Ya', Mayan Guatemala. *Hydrology and Earth System Sciences*, **2021**, 25, 1283-1306	5.5	4
40	Quantifying flood events in Bangladesh with a daily-step flood monitoring index based on the concept of daily effective precipitation. *Theoretical and Applied Climatology*, **2019**, 137, 1201-1215	3	4
39	Analyzing trends of days with low atmospheric visibility in Iran during 1968-2013. *Environmental Monitoring and Assessment*, **2019**, 191, 249	3.1	3
38	Granular Computing for Prediction of Scour Below Spillways. *Water Resources Management*, **2017**, 31, 313-326	3.7	3
37	Modelling the relationship between catchment attributes and wetland water quality in Japan. *Ecohydrology*, **2015**, 8, 726-737	2.5	3
36	Prediction of SPEI Using MLR and ANN: A Case Study for Wilsons Promontory Station in Victoria **2015**,		3
35	Bottom outlet dam flow: physical and numerical modelling. *Water Management*, **2014**, 167, 176-184	1	3
34	A Comparative Study of Rotation Patterns on Soil Organic Carbon in China□ Arid and Semi-Arid Regions. *Agronomy*, **2020**, 10, 160	3.6	3
33	An emergency multi-objective compromise framework for reservoir operation under suddenly injected pollution. *Journal of Hydrology*, **2021**, 598, 126242	6	3
32	A Novel Record-Extension Technique for Water Quality Variables Based on L-Moments. *Water, Air, and Soil Pollution*, **2016**, 227, 1	2.6	3
31	Regionalization of flood magnitudes using the ecological attributes of watersheds. *Geocarto International*, **2020**, 35, 917-933	2.7	3
30	Exploring the multiscale changeability of precipitation using the entropy concept and self-organizing maps. *Journal of Water and Climate Change*, **2020**, 11, 655-676	2.3	3
29	Comparison of wavelet-based hybrid models for the estimation of daily reference evapotranspiration in different climates. *Journal of Water and Climate Change*, **2020**, 11, 39-53	2.3	3
28	A Probabilistic Model for Maximum Rainfall Frequency Analysis. *Water (Switzerland)*, **2021**, 13, 2688	3	3
27	Grassland grazing management altered soil properties and microbial □diversity but not □diversity on the Qinghai-Tibetan Plateau. *Applied Soil Ecology*, **2021**, 167, 104032	5	3
26	Investigation of the scaling characteristics of LANDSAT temperature and vegetation data: a wavelet-based approach. *International Journal of Biometeorology*, **2017**, 61, 1709-1721	3.7	2
25	Increasing Heat-Stress Inequality in a Warming Climate. *Earthjs Future*, **2022**, 10,	7.9	2
24	Regionalizing time of concentration using landscape structural patterns of catchments. *Journal of Hydrology and Hydromechanics*, **2019**, 67, 135-142	2.1	2

23	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 Loess Plateau?. *Land Use Policy*, **2020**, 99, 105027	5.6	2
22	Short-term flood forecasting using artificial neural networks, extreme learning machines, and M5 model tree **2021**, 263-279		2
21	A maximal overlap discrete wavelet packet transform integrated approach for rainfall forecasting A case study in the Awash River Basin (Ethiopia). *Environmental Modelling and Software*, **2021**, 144, 105179	5.2	2
20	A novel Bayesian maximum entropy-based approach for optimal design of water quality monitoring networks in rivers. *Journal of Hydrology*, **2021**, 603, 126822	6	2
19	A deep learning image segmentation model for agricultural irrigation system classification. *Computers and Electronics in Agriculture*, **2022**, 198, 106977	6.5	2
18	A Traditional Closed-Loop Sanitation System in a Chronic Emergency: A Qualitative Study from Afghanistan. *Water (Switzerland)*, **2019**, 11, 298	3	1
17	Development of a behaviour-pattern based global sensitivity analysis procedure for coupled socioeconomic and environmental models. *Journal of Hydrology*, **2020**, 585, 124745	6	1
16	Future streamflow simulation in a snow-dominated Rocky Mountain headwater catchment **2018**, 49, 1172-1190		1
15	Weekly urban water demand forecasting using a hybrid wavelet Bootstrap rtificial neural network approach. *Annals of Warsaw University of Life Sciences, Land Reclamation*, **2014**, 46, 197-204		1
14	Application of the Von Thnen Model in Determining Optimal Locations to Transport Compost for Crop Production Outside of Yaound Cameroon. *Journal of Human Ecology: International, Interdisciplinary Journal of Man-environment Relationship*, **2012**, 39, 125-143	1.5	1
13	Downstream semi-circular obstacles' influence on floods arising from the failure of dams with different levels of reservoir silting. *Physics of Fluids*, **2022**, 34, 013312	4.4	1
12	Integrated assessment of localized SSP-RCP narratives for climate change adaptation in coupled human-water systems.. *Science of the Total Environment*, **2022**, 823, 153660	10.2	1
11	Participatory Modeling of Water Vulnerability in Remote Alaskan Households Using Causal Loop Diagrams. *Environmental Management*, **2021**, 67, 26-42	3.1	1
10	Effect of Elevation on Variation in Reference Evapotranspiration under Climate Change in Northwest China. *Sustainability*, **2021**, 13, 10151	3.6	1
9	Assessing constraints to agricultural development in circumpolar Canada through an innovation systems lens. *Agricultural Systems*, **2021**, 194, 103268	6.1	1
8	Reservoir operation under accidental MTBE pollution: A graph-based conflict resolution framework considering spatial-temporal-quantitative uncertainties. *Journal of Hydrology*, **2022**, 605, 127313	6	0
7	Elevation Alone Alters Leaf N and Leaf C to N Ratio of Picea crassifolia Kom. in China Qilian Mountains. *Forests*, **2021**, 12, 1325	2.8	0
6	Leaf Stoichiometry of Across Elevations in China's Qilian Mountains.. *Frontiers in Plant Science*, **2022**, 13, 814059	6.2	0

5	Assessing irrigation network performance based on different climate change and water supply scenarios: a case study in Northern Iran. *International Journal of Water*, **2017**, 11, 191	0.9
4	The stability of soil aggregates in tilled fallow areas in Hyderabad district, Pakistan. *Journal of Water and Land Development*, **2015**, 27, 51-60	1.4
3	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. *Journal of Hydroinformatics*, **2020**, 22, 455-456	2.6
2	Interaction analysis data of simulation gaming events using the serious game Aqua Republica. *Data in Brief*, **2018**, 19, 2315-2328	1.2
1	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" *Journal of Hydrology*, **2021**, 600, 126459	6