

J F Adamowski

List of Publications by Year in descending order

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281
papers

14,956
citations

18465

62
h-index

26591

107
g-index

287
all docs

287
docs citations

287
times ranked

11117
citing authors

#	ARTICLE	IF	CITATIONS
1	Applications of hybrid waveletâ€“Artificial Intelligence models in hydrology: A review. Journal of Hydrology, 2014, 514, 358-377.	2.3	558
2	A wavelet neural network conjunction model for groundwater level forecasting. Journal of Hydrology, 2011, 407, 28-40.	2.3	505
3	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.	3.9	498
4	A comparative assessment of flood susceptibility modeling using Multi-Criteria Decision-Making Analysis and Machine Learning Methods. Journal of Hydrology, 2019, 573, 311-323.	2.3	409
5	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.	2.3	361
6	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.	2.3	355
7	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, .	1.7	352
8	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.	1.8	259
9	Stream-flow forecasting using extreme learning machines: A case study in a semi-arid region in Iraq. Journal of Hydrology, 2016, 542, 603-614.	2.3	257
10	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.	4.4	232
11	Short-term water quality variable prediction using a hybrid CNNâ€“LSTM deep learning model. Stochastic Environmental Research and Risk Assessment, 2020, 34, 415-433.	1.9	231
12	Using discrete wavelet transforms to analyze trends in streamflow and precipitation in Quebec and Ontario (1954â€“2008). Journal of Hydrology, 2012, 475, 204-228.	2.3	227
13	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.	4.0	200
14	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.	0.8	196
15	Forecasting effective drought index using a wavelet extreme learning machine (W-ELM) model. Stochastic Environmental Research and Risk Assessment, 2017, 31, 1211-1240.	1.9	173
16	Urban water demand forecasting and uncertainty assessment using ensemble wavelet-bootstrap-neural network models. Water Resources Research, 2013, 49, 6486-6507.	1.7	166
17	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.	2.3	157
18	A novel multi criteria decision making model for optimizing timeâ€“costâ€“quality trade-off problems in construction projects. Expert Systems With Applications, 2015, 42, 3089-3104.	4.4	148

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19	A century of observations reveals increasing likelihood of continental-scale compound dry-hot extremes. <i>Science Advances</i> , 2020, 6, .	4.7	148
20	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. <i>Journal of Hydrology</i> , 2013, 476, 228-243.	2.3	147
21	A critical review on the application of the National Sanitation Foundation Water Quality Index. <i>Environmental Pollution</i> , 2019, 244, 575-587.	3.7	147
22	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.	2.3	146
23	Peak Daily Water Demand Forecast Modeling Using Artificial Neural Networks. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2008, 134, 119-128.	1.3	139
24	Application of wavelet-artificial intelligence hybrid models for water quality prediction: a case study in Aji-Chay River, Iran. <i>Stochastic Environmental Research and Risk Assessment</i> , 2016, 30, 1797-1819.	1.9	135
25	Development of a new method of wavelet aided trend detection and estimation. <i>Hydrological Processes</i> , 2009, 23, 2686-2696.	1.1	131
26	Assessing the Impacts of Four Land Use Types on the Water Quality of Wetlands in Japan. <i>Water Resources Management</i> , 2013, 27, 2217-2229.	1.9	131
27	Comparison of multivariate adaptive regression splines with coupled wavelet transform artificial neural networks for runoff forecasting in Himalayan micro-watersheds with limited data. <i>Journal of Hydroinformatics</i> , 2012, 14, 731-744.	1.1	130
28	Trend detection in surface air temperature in Ontario and Quebec, Canada during 1967-2006 using the discrete wavelet transform. <i>Atmospheric Research</i> , 2013, 132-133, 375-398.	1.8	124
29	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. <i>Journal of Environmental Management</i> , 2015, 152, 251-267.	3.8	122
30	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.	5.1	122
31	Coupling machine learning methods with wavelet transforms and the bootstrap and boosting ensemble approaches for drought prediction. <i>Atmospheric Research</i> , 2016, 172-173, 37-47.	1.8	116
32	Empowering marginalized communities in water resources management: Addressing inequitable practices in Participatory Model Building. <i>Journal of Environmental Management</i> , 2015, 153, 153-162.	3.8	114
33	Land use and land cover classification over a large area in Iran based on single date analysis of satellite imagery. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2011, 66, 608-619.	4.9	113
34	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.	3.7	111
35	Using wavelet transforms to estimate surface temperature trends and dominant periodicities in Iran based on gridded reanalysis data. <i>Atmospheric Research</i> , 2015, 155, 52-72.	1.8	107
36	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.	2.3	105

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37	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.	1.6	104
38	Evaluation of data driven models for river suspended sediment concentration modeling. Journal of Hydrology, 2016, 535, 457-472.	2.3	101
39	A review: dew water collection from radiative passive collectors to recent developments of active collectors. Sustainable Water Resources Management, 2016, 2, 71-86.	1.0	100
40	Analysis of trends and dominant periodicities in drought variables in India: A wavelet transform based approach. Atmospheric Research, 2016, 182, 200-220.	1.8	97
41	Multi-objective decision-making for green infrastructure planning (LID-BMPs) in urban storm water management under uncertainty. Journal of Hydrology, 2019, 579, 124091.	2.3	96
42	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.	2.3	96
43	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.	3.8	90
44	Towards adaptive and integrated management paradigms to meet the challenges of water governance. Water Science and Technology, 2013, 67, 2651-2660.	1.2	88
45	River flow forecasting using wavelet and cross-wavelet transform models. Hydrological Processes, 2008, 22, 4877-4891.	1.1	87
46	Forecasting Urban Water Demand Via Wavelet-Denoising and Neural Network Models. Case Study: City of Syracuse, Italy. Water Resources Management, 2012, 26, 3539-3558.	1.9	87
47	Drought forecasting using new machine learning methods / Prognozowanie suszy z wykorzystaniem automatycznych samouczących sił™ metod. Journal of Water and Land Development, 2013, 18, 3-12.	0.9	87
48	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.	1.9	83
49	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.	1.8	83
50	Warming enabled upslope advance in western US forest fires. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	83
51	The effect of sand grain size on the development of cyanobacterial biocrusts. Aeolian Research, 2014, 15, 217-226.	1.1	82
52	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.	3.7	78
53	Comparison of machine learning models for predicting fluoride contamination in groundwater. Stochastic Environmental Research and Risk Assessment, 2017, 31, 2705-2718.	1.9	78
54	Multiscale streamflow forecasting using a new Bayesian Model Average based ensemble multi-wavelet Volterra nonlinear method. Journal of Hydrology, 2013, 507, 186-200.	2.3	76

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55	Short-term SPI drought forecasting in the Awash River Basin in Ethiopia using wavelet transforms and machine learning methods. <i>Sustainable Water Resources Management</i> , 2016, 2, 87-101.	1.0	75
56	Influence of Trend on Short Duration Design Storms. <i>Water Resources Management</i> , 2010, 24, 401-413.	1.9	73
57	Bootstrap rank-ordered conditional mutual information (broCMI): A nonlinear input variable selection method for water resources modeling. <i>Water Resources Research</i> , 2016, 52, 2299-2326.	1.7	72
58	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, .	0.5	72
59	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.	1.2	71
60	Grassland Degradation on the Qinghai-Tibetan Plateau: Reevaluation of Causative Factors. <i>Rangeland Ecology and Management</i> , 2019, 72, 988-995.	1.1	71
61	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.	3.7	69
62	Multi-Loop Social Learning for Sustainable Land and Water Governance: Towards a Research Agenda on the Potential of Virtual Learning Platforms. <i>Njas - Wageningen Journal of Life Sciences</i> , 2014, 69, 23-38.	7.9	68
63	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, 130-149.	1.8	68
64	Wavelet-based multiscale performance analysis: An approach to assess and improve hydrological models. <i>Water Resources Research</i> , 2014, 50, 9721-9737.	1.7	67
65	Exploring the Potential Impact of Serious Games on Social Learning and Stakeholder Collaborations for Transboundary Watershed Management of the St. Lawrence River Basin. <i>Water (Switzerland)</i> , 2016, 8, 175.	1.2	67
66	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.	2.4	67
67	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.	3.9	67
68	Comparative assessment of spatiotemporal snow cover changes and hydrological behavior of the Gilgit, Astore and Hunza River basins (Hindukush-Karakoram-Himalaya region, Pakistan). <i>Meteorology and Atmospheric Physics</i> , 2016, 128, 793-811.	0.9	66
69	Trend analysis of precipitation in Jharkhand State, India. <i>Theoretical and Applied Climatology</i> , 2017, 130, 261-274.	1.3	65
70	Hybrid artificial intelligence-time series models for monthly streamflow modeling. <i>Applied Soft Computing Journal</i> , 2019, 80, 873-887.	4.1	65
71	Recasting payments for ecosystem services (PES) in water resource management: A novel institutional approach. <i>Ecosystem Services</i> , 2014, 10, 144-154.	2.3	62
72	Assessing the suitability of extreme learning machines (ELM) for groundwater level prediction. <i>Journal of Water and Land Development</i> , 2017, 32, 103-112.	0.9	58

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73	Domino effect of climate change over two millennia in ancient China's Hexi Corridor. <i>Nature Sustainability</i> , 2019, 2, 957-961.	11.5	57
74	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.	1.7	57
75	The role of paradigms in engineering practice and education for sustainable development. <i>Journal of Cleaner Production</i> , 2015, 106, 272-282.	4.6	56
76	Medium-Term Urban Water Demand Forecasting with Limited Data Using an Ensemble Wavelet-Bootstrap Machine-Learning Approach. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2015, 141, 04014053.	1.3	56
77	Trend analysis of climatic variables in an arid and semi-arid region of the Ajmer District, Rajasthan, India. <i>Journal of Water and Land Development</i> , 2016, 28, 3-18.	0.9	56
78	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.	8.2	56
79	Using extreme learning machines for short-term urban water demand forecasting. <i>Urban Water Journal</i> , 2017, 14, 630-638.	1.0	55
80	Incorporating multi-criteria decision-making and fuzzy-value functions for flood susceptibility assessment. <i>Geocarto International</i> , 2021, 36, 2345-2365.	1.7	55
81	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.	0.9	55
82	Inter-annual to inter-decadal streamflow variability in Quebec and Ontario in relation to dominant large-scale climate indices. <i>Journal of Hydrology</i> , 2016, 536, 426-446.	2.3	54
83	Multi-step streamflow forecasting using data-driven non-linear methods in contrasting climate regimes. <i>Journal of Hydroinformatics</i> , 2014, 16, 671-689.	1.1	50
84	Modelling large floating bodies in urban area flash-floods via a Smoothed Particle Hydrodynamics model. <i>Journal of Hydrology</i> , 2016, 541, 344-358.	2.3	50
85	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.	1.3	50
86	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.	1.3	50
87	A GIS-based model to estimate flood consequences and the degree of accessibility and operability of strategic emergency response structures in urban areas. <i>Natural Hazards and Earth System Sciences</i> , 2014, 14, 2847-2865.	1.5	49
88	Estimation of in-situ bioremediation system cost using a hybrid Extreme Learning Machine (ELM)-particle swarm optimization approach. <i>Journal of Hydrology</i> , 2016, 543, 373-385.	2.3	49
89	Spatiotemporal variations of aridity in Iran using high-resolution gridded data. <i>International Journal of Climatology</i> , 2018, 38, 2701-2717.	1.5	49
90	Groundwater Pollution Sources Apportionment in the Ghaen Plain, Iran. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 172.	1.2	49

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91	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. <i>Applied Soft Computing Journal</i> , 2015, 34, 51-59.	4.1	48
92	Short-term forecasting of groundwater levels under conditions of mine-tailings recharge using wavelet ensemble neural network models. <i>Hydrogeology Journal</i> , 2015, 23, 121-141.	0.9	46
93	Association between three prominent climatic teleconnections and precipitation in Iran using wavelet coherence. <i>International Journal of Climatology</i> , 2017, 37, 2809-2830.	1.5	46
94	Relationship between water quality and macro-scale parameters (land use, erosion, geology, and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6 1588-1600.	3.9	45
95	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.	3.8	45
96	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.	2.3	44
97	A System Dynamics Model to Conserve Arid Region Water Resources through Aquifer Storage and Recovery in Conjunction with a Dam. <i>Water (Switzerland)</i> , 2014, 6, 2300-2321.	1.2	42
98	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.	3.7	42
99	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.	8.2	42
100	Juggling multiple dimensions in a complex socio-ecosystem: The issue of targeting in payments for ecosystem services. <i>Geoforum</i> , 2015, 58, 1-13.	1.4	41
101	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.	2.3	41
102	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.	2.5	40
103	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.	2.7	40
104	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.	2.3	40
105	Influence of the 11year solar cycle on annual streamflow maxima in Southern Canada. <i>Journal of Hydrology</i> , 2012, 442-443, 55-62.	2.3	39
106	Characterization of hydrogeologic properties of the Tabriz plain multilayer aquifer system, NW Iran. <i>Arabian Journal of Geosciences</i> , 2016, 9, 1.	0.6	39
107	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.	2.3	39
108	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.	3.2	39

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109	Data Assimilation for Streamflow Forecasting Using Extreme Learning Machines and Multilayer Perceptrons. <i>Water Resources Research</i> , 2020, 56, e2019WR026226.	1.7	39
110	Analysis of deterministic and geostatistical interpolation techniques for mapping meteorological variables at large watershed scales. <i>Acta Geophysica</i> , 2019, 67, 191-203.	1.0	38
111	Collaborative Strategies for Sustainable EU Flood Risk Management: FOSS and Geospatial Toolsâ€™ Challenges and Opportunities for Operative Risk Analysis. <i>ISPRS International Journal of Geo-Information</i> , 2015, 4, 2704-2727.	1.4	37
112	Response of leaf stoichiometry of <i>Oxytropis ochrocephala</i> to elevation and slope aspect. <i>Catena</i> , 2020, 194, 104772.	2.2	37
113	Capabilities as justice: Analysing the acceptability of payments for ecosystem services (PES) through â€œsocial multi-criteria evaluationâ€™. <i>Ecological Economics</i> , 2015, 118, 99-113.	2.9	36
114	Participatory mapping of ecosystem services to understand stakeholdersâ€™ perceptions of the future of the Mactaquac Dam, Canada. <i>Ecosystem Services</i> , 2018, 30, 107-123.	2.3	36
115	Exploring the behavioural attributes, strategies and contextual knowledge of champions of change in the Canadian water sector. <i>Canadian Water Resources Journal</i> , 2014, 39, 255-269.	0.5	35
116	Functional organization analysis for the design of sustainable engineering systems. <i>Ecological Engineering</i> , 2014, 73, 80-91.	1.6	35
117	A wavelet-SARIMA-ANN hybrid model for precipitation forecasting. <i>Journal of Water and Land Development</i> , 2016, 28, 27-36.	0.9	35
118	Influences of afforestation policies on soil moisture content in Chinaâ€™s arid and semi-arid regions. <i>Land Use Policy</i> , 2018, 75, 449-458.	2.5	35
119	Water demand forecasting using extreme learning machines. <i>Journal of Water and Land Development</i> , 2016, 28, 37-52.	0.9	35
120	Optimal groundwater remediation design of pump and treat systems via a simulationâ€™ optimization approach and firefly algorithm. <i>Engineering Optimization</i> , 2015, 47, 1-17.	1.5	34
121	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.	2.6	34
122	A Spectral Analysis Based Methodology to Detect Climatological Influences on Daily Urban Water Demand. <i>Mathematical Geosciences</i> , 2013, 45, 49-68.	1.4	32
123	Detection of trends in days with extreme temperatures in Iran from 1961 to 2010. <i>Theoretical and Applied Climatology</i> , 2016, 125, 213-225.	1.3	32
124	Coupling of a distributed stakeholder-built system dynamics socio-economic model with SAHYSMOD for sustainable soil salinity management â€™ Part 1: Model development. <i>Journal of Hydrology</i> , 2017, 551, 596-618.	2.3	32
125	Detecting soil temperature trends in Northeast Iran from 1993 to 2016. <i>Soil and Tillage Research</i> , 2017, 174, 177-192.	2.6	31
126	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.	1.9	31

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127	Increasing Heatâ€Stress Inequality in a Warming Climate. <i>Earth's Future</i> , 2022, 10, .	2.4	31
128	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.	1.0	30
129	Quantifying the spatial temporal variability of annual streamflow and meteorological changes in eastern Ontario and southwestern Quebec using wavelet analysis and GIS. <i>Journal of Hydrology</i> , 2013, 499, 27-40.	2.3	29
130	Assessing the impacts of the urban heat island effect on streamflow patterns in Ottawa, Canada. <i>Journal of Hydrology</i> , 2013, 496, 225-237.	2.3	29
131	A system dynamics based socio-hydrological model for agricultural wastewater reuse at the watershed scale. <i>Agricultural Water Management</i> , 2016, 171, 89-107.	2.4	29
132	Stochastic Modeling of Groundwater Fluoride Contamination: Introducing Lazy Learners. <i>Ground Water</i> , 2020, 58, 723-734.	0.7	29
133	Uncertainty analysis for extreme flood events in a semi-arid region. <i>Natural Hazards</i> , 2015, 78, 1947-1960.	1.6	28
134	Estimating Evapotranspiration Using an Extreme Learning Machine Model: Case Study in North Bihar, India. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016, 142, .	0.6	28
135	Rainwater harvesting for the management of agricultural droughts in arid and semi-arid regions. <i>Paddy and Water Environment</i> , 2016, 14, 231-246.	1.0	28
136	Spatio-temporal variation of reference evapotranspiration in northwest China based on CORDEX-EA. <i>Atmospheric Research</i> , 2020, 238, 104868.	1.8	28
137	Uncertainty Estimation in Flood Inundation Mapping: An Application of Nonâ€parametric Bootstrapping. <i>River Research and Applications</i> , 2017, 33, 611-619.	0.7	27
138	<i>FloodRisk</i>: a collaborative, free and open-source software for flood risk analysis. <i>Geomatics, Natural Hazards and Risk</i> , 2017, 8, 1812-1832.	2.0	27
139	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.	1.3	27
140	Probabilistic Event Based Rainfall-Runoff Modeling Using Copula Functions. <i>Water Resources Management</i> , 2019, 33, 3799-3814.	1.9	27
141	READY: a web-based geographical information system for enhanced flood resilience through raising awareness in citizens. <i>Natural Hazards and Earth System Sciences</i> , 2015, 15, 1645-1658.	1.5	26
142	Snow-melt flood frequency analysis by means of copula based 2D probability distributions for the Narew River in Poland. <i>Journal of Hydrology: Regional Studies</i> , 2016, 6, 26-51.	1.0	26
143	A brief overview of trends in groundwater research: Progress towards sustainability?. <i>Journal of Environmental Management</i> , 2018, 223, 849-851.	3.8	26
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.	1.0	25

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145	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.	2.3	25
146	Forecasting soil temperature based on surface air temperature using a wavelet artificial neural network. <i>Meteorological Applications</i> , 2017, 24, 603-611.	0.9	25
147	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.	1.9	25
148	Natural and anthropogenic origins of selected trace elements in the surface waters of Tabriz area, Iran. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	1.3	25
149	Modification of the DRASTIC Framework for Mapping Groundwater Vulnerability Zones. <i>Ground Water</i> , 2020, 58, 441-452.	0.7	25
150	Soil failure patterns and draft as influenced by consistency limits: An evaluation of the remolded soil cutting test. <i>Soil and Tillage Research</i> , 2014, 137, 58-66.	2.6	24
151	Mitigating Socio-Economic-Environmental Impacts During Drought Periods by Optimizing the Conjunctive Management of Water Resources. <i>Water Resources Management</i> , 2014, 28, 1517-1529.	1.9	24
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