

J F Adamowski

List of Publications by Year in descending order

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281
papers

14,956
citations

21215

62
h-index

30277

107
g-index

287
all docs

287
docs citations

287
times ranked

12491
citing authors

#	ARTICLE	IF	CITATIONS
1	Applications of hybrid wavelet–Artificial Intelligence models in hydrology: A review. <i>Journal of Hydrology</i> , 2014, 514, 358-377.	2.3	558
2	A wavelet neural network conjunction model for groundwater level forecasting. <i>Journal of Hydrology</i> , 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. <i>Science of the Total Environment</i> , 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. <i>Journal of Hydrology</i> , 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. <i>Journal of Hydrology</i> , 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. <i>Journal of Hydrology</i> , 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. <i>Water Resources Research</i> , 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. <i>Atmospheric Research</i> , 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. <i>Journal of Hydrology</i> , 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. <i>Expert Systems With Applications</i> , 2014, 41, 5267-5276.	4.4	232
11	Short-term water quality variable prediction using a hybrid CNN–LSTM deep learning model. <i>Stochastic Environmental Research and Risk Assessment</i> , 2020, 34, 415-433.	1.9	231
12	Using discrete wavelet transforms to analyze trends in streamflow and precipitation in Quebec and Ontario (1954–2008). <i>Journal of Hydrology</i> , 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. <i>Advanced Engineering Informatics</i> , 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. <i>Journal of Hydrologic Engineering - ASCE</i> , 2010, 15, 729-743.	0.8	196
15	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.	1.9	173
16	Urban water demand forecasting and uncertainty assessment using ensemble wavelet-bootstrap-neural network models. <i>Water Resources Research</i> , 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. <i>Journal of Hydrology</i> , 2008, 353, 247-266.	2.3	157
18	A novel multi criteria decision making model for optimizing time–cost–quality trade-off problems in construction projects. <i>Expert Systems With Applications</i> , 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€˜social 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
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