

J F Adamowski

List of Publications by Year in descending order

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281
papers

14,956
citations

18482
62
h-index

26613
107
g-index

287
all docs

287
docs citations

287
times ranked

11117
citing authors

#	ARTICLE	IF	CITATIONS
1	Reservoir operation under accidental MTBE pollution: A graph-based conflict resolution framework considering spatial-temporal-quantitative uncertainties. <i>Journal of Hydrology</i> , 2022, 605, 127313.	5.4	8
2	Downstream semi-circular obstacles' influence on floods arising from the failure of dams with different levels of reservoir silting. <i>Physics of Fluids</i> , 2022, 34, 013312.	4.0	5
3	Increasing Heatâ€Stress Inequality in a Warming Climate. <i>Earth's Future</i> , 2022, 10, .	6.3	31
4	Integrated assessment of localized SSPâ€RCP narratives for climate change adaptation in coupled human-water systems. <i>Science of the Total Environment</i> , 2022, 823, 153660.	8.0	16
5	Using Leaf Ecological Stoichiometry to Direct the Management of <i>Ligularia virgaurea</i> on the Northeast Qinghai-Tibetan Plateau. <i>Frontiers in Environmental Science</i> , 2022, 9, .	3.3	4
6	Leaf Stoichiometry of <i>Potentilla fruticosa</i> Across Elevations in Chinaâ€™s Qilian Mountains. <i>Frontiers in Plant Science</i> , 2022, 13, 814059.	3.6	6
7	Interregional Differences in Agricultural Development across Circumpolar Canada. <i>Arctic</i> , 2022, 75, 38-54.	0.4	0
8	A deep learning image segmentation model for agricultural irrigation system classification. <i>Computers and Electronics in Agriculture</i> , 2022, 198, 106977.	7.7	17
9	Climate variability in agroecosystems: A quantitative assessment of stakeholder-defined policies for enhanced socio-ecological resilience. <i>Agricultural Systems</i> , 2022, 201, 103416.	6.1	0
10	Incorporating multi-criteria decision-making and fuzzy-value functions for flood susceptibility assessment. <i>Geocarto International</i> , 2021, 36, 2345-2365.	3.5	55
11	Participatory Modeling of Water Vulnerability in Remote Alaskan Households Using Causal Loop Diagrams. <i>Environmental Management</i> , 2021, 67, 26-42.	2.7	12
12	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.	8.0	67
13	Short-term flood forecasting using artificial neural networks, extreme learning machines, and M5 model tree. , 2021, , 263-279.		6
14	Multi-level storylines for participatory modeling â€ involving marginalized communities in Tz'ol'Äj Ya', Mayan Guatemala. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 1283-1306.	4.9	10
15	Warming enabled upslope advance in western US forest fires. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	83
16	An emergency multi-objective compromise framework for reservoir operation under suddenly injected pollution. <i>Journal of Hydrology</i> , 2021, 598, 126242.	5.4	9
17	Coupling a hybrid CNN-LSTM deep learning model with a Boundary Corrected Maximal Overlap Discrete Wavelet Transform for multiscale Lake water level forecasting. <i>Journal of Hydrology</i> , 2021, 598, 126196.	5.4	96
18	Closure to the discussion of Ebtehaj et al. on â€Comparative assessment of time series and artificial intelligence models to estimate monthly streamflow: A local and external data analysis approachâ€. <i>Journal of Hydrology</i> , 2021, 600, 126459.	5.4	0

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19	Elevation Alone Alters Leaf N and Leaf C to N Ratio of <i>Picea crassifolia</i> Kom. in China's Qilian Mountains. <i>Forests</i> , 2021, 12, 1325.	2.1	4
20	Effect of Elevation on Variation in Reference Evapotranspiration under Climate Change in Northwest China. <i>Sustainability</i> , 2021, 13, 10151.	3.2	8
21	A Probabilistic Model for Maximum Rainfall Frequency Analysis. <i>Water (Switzerland)</i> , 2021, 13, 2688.	2.7	8
22	Soil properties and microbiome of annual and perennial cultivated grasslands on the Qinghai-Tibetan Plateau. <i>Land Degradation and Development</i> , 2021, 32, 5306-5321.	3.9	19
23	A maximal overlap discrete wavelet packet transform integrated approach for rainfall forecasting – A case study in the Awash River Basin (Ethiopia). <i>Environmental Modelling and Software</i> , 2021, 144, 105119.	4.5	23
24	Grassland grazing management altered soil properties and microbial β -diversity but not α -diversity on the Qinghai-Tibetan Plateau. <i>Applied Soil Ecology</i> , 2021, 167, 104032.	4.3	20
25	A novel Bayesian maximum entropy-based approach for optimal design of water quality monitoring networks in rivers. <i>Journal of Hydrology</i> , 2021, 603, 126822.	5.4	7
26	Assessing constraints to agricultural development in circumpolar Canada through an innovation systems lens. <i>Agricultural Systems</i> , 2021, 194, 103268.	6.1	5
27	Comparison of Continuous and Quantile-Based Downscaling Approaches to Evaluate the Climate Change Impacts on Characteristics of Extreme Rainfall. , 2021, , .		0
28	Stochastic Modeling of Groundwater Fluoride Contamination: Introducing Lazy Learners. <i>Ground Water</i> , 2020, 58, 723-734.	1.3	29
29	Regionalization of flood magnitudes using the ecological attributes of watersheds. <i>Geocarto International</i> , 2020, 35, 917-933.	3.5	3
30	Exploring the multiscale changeability of precipitation using the entropy concept and self-organizing maps. <i>Journal of Water and Climate Change</i> , 2020, 11, 655-676.	2.9	8
31	Modification of the DRASTIC Framework for Mapping Groundwater Vulnerability Zones. <i>Ground Water</i> , 2020, 58, 441-452.	1.3	25
32	Comparison of wavelet-based hybrid models for the estimation of daily reference evapotranspiration in different climates. <i>Journal of Water and Climate Change</i> , 2020, 11, 39-53.	2.9	13
33	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.	5.6	39
34	Causality of climate, food production and conflict over the last two millennia in the Hexi Corridor, China. <i>Science of the Total Environment</i> , 2020, 713, 136587.	8.0	20
35	Insights from socio-hydrological modeling to design sustainable wastewater reuse strategies for agriculture at the watershed scale. <i>Agricultural Water Management</i> , 2020, 231, 105983.	5.6	13
36	A comparison of conventional and wavelet transform based methods for streamflow record extension. <i>Journal of Hydrology</i> , 2020, 582, 124503.	5.4	11

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37	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.	5.4	40
38	Projected spatial patterns in precipitation and air temperature for China's northwest region derived from high-resolution regional climate models. <i>International Journal of Climatology</i> , 2020, 40, 3922-3941.	3.5	16
39	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.	5.6	34
40	Large Scale Flood Risk Mapping in Data Scarce Environments: An Application for Romania. <i>Water (Switzerland)</i> , 2020, 12, 1834.	2.7	18
41	A century of observations reveals increasing likelihood of continental-scale compound dry-hot extremes. <i>Science Advances</i> , 2020, 6, .	10.3	148
42	Could arid and semi-arid abandoned lands prove ecologically or economically valuable if they afford greater soil organic carbon storage than afforested lands in China's Loess Plateau?. <i>Land Use Policy</i> , 2020, 99, 105027.	5.6	6
43	Which slope aspect and gradient provides the best afforestation-driven soil carbon sequestration on the China's Loess Plateau?. <i>Ecological Engineering</i> , 2020, 147, 105782.	3.6	24
44	Data Assimilation for Streamflow Forecasting Using Extreme Learning Machines and Multilayer Perceptrons. <i>Water Resources Research</i> , 2020, 56, e2019WR026226.	4.2	39
45	Response of leaf stoichiometry of <i>Oxytropis ochrocephala</i> to elevation and slope aspect. <i>Catena</i> , 2020, 194, 104772.	5.0	37
46	Spatio-temporal variation of reference evapotranspiration in northwest China based on CORDEX-EA. <i>Atmospheric Research</i> , 2020, 238, 104868.	4.1	28
47	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.	4.0	231
48	PODMT3DMS-Tool: proper orthogonal decomposition linked to the MT3DMS model for nitrate simulation in aquifers. <i>Hydrogeology Journal</i> , 2020, 28, 1125-1142.	2.1	13
49	Development of a behaviour-pattern based global sensitivity analysis procedure for coupled socioeconomic and environmental models. <i>Journal of Hydrology</i> , 2020, 585, 124745.	5.4	5
50	Crow Algorithm for Irrigation Management: A Case Study. <i>Water Resources Management</i> , 2020, 34, 1021-1045.	3.9	14
51	The Impact of Virtual Water on Sustainable Development in Gansu Province. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 586.	2.5	7
52	Smoothed Particle Hydrodynamics Modeling with Advanced Boundary Conditions for Two-Dimensional Dam-Break Floods. <i>Water (Switzerland)</i> , 2020, 12, 1142.	2.7	7
53	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.	4.5	31
54	Reply to discussion on "A reduced-order model for the regeneration of surface currents in Gorgan Bay. Iran [Journal of Hydroinformatics 20(6), 1419-1435, https://doi.org/10.2166/hydro.2018.149]" by Georgios M. Horsch and Nikolaos Th. Fourniotis. <i>Journal of Hydroinformatics</i> , 2020, 22, 455-456.	2.4	0

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55	A Comparative Study of Rotation Patterns on Soil Organic Carbon in China's Arid and Semi-Arid Regions. <i>Agronomy</i> , 2020, 10, 160.	3.0	5
56	Using the Mann-Kendall test and double mass curve method to explore stream flow changes in response to climate and human activities. <i>Journal of Water and Climate Change</i> , 2019, 10, 725-742.	2.9	71
57	Probabilistic Event Based Rainfall-Runoff Modeling Using Copula Functions. <i>Water Resources Management</i> , 2019, 33, 3799-3814.	3.9	27
58	Evaluation of data-driven models (SVR and ANN) for groundwater-level prediction in confined and unconfined systems. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	2.7	50
59	Quantile-based downscaling of rainfall extremes: Notes on methodological functionality, associated uncertainty and application in practice. <i>Advances in Water Resources</i> , 2019, 131, 103371.	3.8	23
60	Short-term electricity demand forecasting using machine learning methods enriched with ground-based climate and ECMWF Reanalysis atmospheric predictors in southeast Queensland, Australia. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 113, 109293.	16.4	42
61	Associations between large-scale climate oscillations and land surface phenology in Iran. <i>Agricultural and Forest Meteorology</i> , 2019, 278, 107682.	4.8	23
62	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.	5.4	39
63	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.	5.4	44
64	Domino effect of climate change over two millennia in ancient China's Hexi Corridor. <i>Nature Sustainability</i> , 2019, 2, 957-961.	23.7	57
65	Correcting Satellite Precipitation Data and Assimilating Satellite-Derived Soil Moisture Data to Generate Ensemble Hydrological Forecasts within the HBV Rainfall-Runoff Model. <i>Water (Switzerland)</i> , 2019, 11, 2138.	2.7	10
66	Controlling factors of plant community composition with respect to the slope aspect gradient in the Qilian Mountains. <i>Ecosphere</i> , 2019, 10, e02851.	2.2	20
67	A hydrogeological-based multi-criteria method for assessing the vulnerability of coastal aquifers to saltwater intrusion. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	2.7	14
68	Farmers' Willingness to Accept Compensation to Maintain the Benefits of Urban Forests. <i>Forests</i> , 2019, 10, 691.	2.1	22
69	Grassland Degradation on the Qinghai-Tibetan Plateau: Reevaluation of Causative Factors. <i>Rangeland Ecology and Management</i> , 2019, 72, 988-995.	2.3	71
70	Multi-objective decision-making for green infrastructure planning (LID-BMPs) in urban storm water management under uncertainty. <i>Journal of Hydrology</i> , 2019, 579, 124091.	5.4	96
71	A GIS Tool for Mapping Dam-Break Flood Hazards in Italy. <i>ISPRS International Journal of Geo-Information</i> , 2019, 8, 250.	2.9	12
72	Delimitation of groundwater zones under contamination risk using a bagged ensemble of optimized DRASTIC frameworks. <i>Environmental Science and Pollution Research</i> , 2019, 26, 8325-8339.	5.3	40

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73	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.	16.4	56
74	Predicting Triaxial Compressive Strength and Young's Modulus of Frozen Sand Using Artificial Intelligence Methods. Journal of Cold Regions Engineering - ASCE, 2019, 33, .	1.1	72
75	Examining lag time using the landscape, pedoscape and lithoscape metrics of catchments. Ecological Indicators, 2019, 105, 36-46.	6.3	16
76	Suitable enclosure duration for the restoration of degraded alpine grasslands on the Qinghai-Tibetan Plateau. Land Use Policy, 2019, 86, 261-267.	5.6	21
77	Coupling the maximum overlap discrete wavelet transform and long short-term memory networks for irrigation flow forecasting. Agricultural Water Management, 2019, 219, 72-85.	5.6	67
78	Projections of future soil temperature in northeast Iran. Geoderma, 2019, 349, 11-24.	5.1	19
79	Hybrid artificial intelligence-time series models for monthly streamflow modeling. Applied Soft Computing Journal, 2019, 80, 873-887.	7.2	65
80	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.	3.3	10
81	Analyzing trends of days with low atmospheric visibility in Iran during 1968-2013. Environmental Monitoring and Assessment, 2019, 191, 249.	2.7	6
82	A comparative assessment of flood susceptibility modeling using Multi-Criteria Decision-Making Analysis and Machine Learning Methods. Journal of Hydrology, 2019, 573, 311-323.	5.4	409
83	A Traditional Closed-Loop Sanitation System in a Chronic Emergency: A Qualitative Study from Afghanistan. Water (Switzerland), 2019, 11, 298.	2.7	2
84	A multiscale and multivariate analysis of precipitation and streamflow variability in relation to ENSO, NAO and PDO. Journal of Hydrology, 2019, 574, 288-307.	5.4	105
85	Natural and anthropogenic origins of selected trace elements in the surface waters of Tabriz area, Iran. Environmental Earth Sciences, 2019, 78, 1.	2.7	25
86	Investigating monthly precipitation variability using a multiscale approach based on ensemble empirical mode decomposition. Paddy and Water Environment, 2019, 17, 741-759.	1.8	13
87	Fuzzy-based conflict resolution management of groundwater in-situ bioremediation under hydrogeological uncertainty. Journal of Hydrology, 2019, 571, 376-389.	5.4	19
88	The Potential of Serious Games to Solve Water Problems: Editorial to the Special Issue on Game-Based Approaches to Sustainable Water Governance. Water (Switzerland), 2019, 11, 2562.	2.7	15
89	Analysis of deterministic and geostatistical interpolation techniques for mapping meteorological variables at large watershed scales. Acta Geophysica, 2019, 67, 191-203.	2.0	38
90	Modeling sustainability visions: A case study of multi-scale food systems in Southwestern Ontario. Journal of Environmental Management, 2019, 231, 1028-1047.	7.8	12

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91	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.	1.7	55
92	A critical review on the application of the National Sanitation Foundation Water Quality Index. <i>Environmental Pollution</i> , 2019, 244, 575-587.	7.5	147
93	Adaptive Neuro-Fuzzy Inference System integrated with solar zenith angle for forecasting sub-tropical Photosynthetically Active Radiation. <i>Food and Energy Security</i> , 2019, 8, e00151.	4.3	14
94	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.	8.0	498
95	Quantifying flood events in Bangladesh with a daily-step flood monitoring index based on the concept of daily effective precipitation. <i>Theoretical and Applied Climatology</i> , 2019, 137, 1201-1215.	2.8	8
96	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.	4.2	57
97	More food with less water – Optimizing agricultural water use. <i>Advances in Water Resources</i> , 2019, 123, 256-261.	3.8	12
98	Assessing the potential origins and human health risks of trace elements in groundwater: A case study in the Khoy plain, Iran. <i>Environmental Geochemistry and Health</i> , 2019, 41, 981-1002.	3.4	83
99	Water Vulnerability in Arctic Households: A Literature-based Analysis. <i>Arctic</i> , 2019, 72, 300-316.	0.4	9
100	Regionalizing time of concentration using landscape structural patterns of catchments. <i>Journal of Hydrology and Hydromechanics</i> , 2019, 67, 135-142.	2.0	5
101	Participatory mapping of ecosystem services to understand stakeholders'™ perceptions of the future of the Mactaquac Dam, Canada. <i>Ecosystem Services</i> , 2018, 30, 107-123.	5.4	36
102	Two-phase particle swarm optimized-support vector regression hybrid model integrated with improved empirical mode decomposition with adaptive noise for multiple-horizon electricity demand forecasting. <i>Applied Energy</i> , 2018, 217, 422-439.	10.1	122
103	A New Approach to Predict Daily pH in Rivers Based on the – trous-Redundant Wavelet Transform Algorithm. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	2.4	10
104	Comparison of social-ecological resilience between two grassland management patterns driven by grassland land contract policy in the Maqu, Qinghai-Tibetan Plateau. <i>Land Use Policy</i> , 2018, 74, 88-96.	5.6	40
105	Future streamflow simulation in a snow-dominated Rocky Mountain headwater catchment. <i>Hydrology Research</i> , 2018, 49, 1172-1190.	2.7	2
106	Multi-household grazing management pattern maintains better soil fertility. <i>Agronomy for Sustainable Development</i> , 2018, 38, 1.	5.3	23
107	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.	5.4	146
108	Exploring the effects of climatic variables on monthly precipitation variation using a continuous wavelet-based multiscale entropy approach. <i>Environmental Research</i> , 2018, 165, 176-192.	7.5	42

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109	Spatiotemporal variations of aridity in Iran using high-resolution gridded data. International Journal of Climatology, 2018, 38, 2701-2717.	3.5	49
110	Regionalizing Flood Magnitudes using Landscape Structural Patterns of Catchments. Water Resources Management, 2018, 32, 2385-2403.	3.9	9
111	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.	4.0	83
112	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.	5.4	41
113	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.	8.0	200
114	Serious Games as Planning Support Systems: Learning from Playing Maritime Spatial Planning Challenge 2050. Water (Switzerland), 2018, 10, 1786.	2.7	15
115	Effects of Afforestation on Soil Bulk Density and pH in the Loess Plateau, China. Water (Switzerland), 2018, 10, 1710.	2.7	14
116	Socio-Psychological Perspectives on the Potential for Serious Games to Promote Transcendental Values in IWRM Decision-Making. Water (Switzerland), 2018, 10, 1097.	2.7	14
117	Artificial intelligence approach for the prediction of Robusta coffee yield using soil fertility properties. Computers and Electronics in Agriculture, 2018, 155, 324-338.	7.7	111
118	Temporal and depth variation of water quality due to thermal stratification in Karkheh Reservoir, Iran. Journal of Hydrology: Regional Studies, 2018, 19, 279-286.	2.4	30
119	Interaction analysis data of simulation gaming events using the serious game Aqua Republica. Data in Brief, 2018, 19, 2315-2328.	1.0	0
120	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.	2.7	27
121	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.	4.1	68
122	Relationship between water quality and macro-scale parameters (land use, erosion, geology, and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2 1588-1600.	8.0	45
123	A brief overview of trends in groundwater research: Progress towards sustainability?. Journal of Environmental Management, 2018, 223, 849-851.	7.8	26
124	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.	2.7	11
125	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.	2.8	18
126	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.	7.8	45

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127	Assessing the benefits of serious games to support sustainable decision-making for transboundary watershed governance. <i>Canadian Water Resources Journal</i> , 2018, 43, 401-415.	1.2	5
128	Groundwater Pollution Sources Apportionment in the Ghaen Plain, Iran. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 172.	2.6	49
129	Effect of Land Use Change on Soil Carbon Storage over the Last 40 Years in the Shi Yang River Basin, China. <i>Land</i> , 2018, 7, 11.	2.9	19
130	Applying the Theory of Reliability to the Assessment of Hazard, Risk and Safety in a Hydrologic System: A Case Study in the Upper Sola River Catchment, Poland. <i>Water (Switzerland)</i> , 2018, 10, 723.	2.7	7
131	Influences of afforestation policies on soil moisture content in China's arid and semi-arid regions. <i>Land Use Policy</i> , 2018, 75, 449-458.	5.6	35
132	Forecasting surface water-level fluctuations of a small glacial lake in Poland using a wavelet-based artificial intelligence method. <i>Acta Geophysica</i> , 2018, 66, 1093-1107.	2.0	21
133	An Entropy-Based Approach to Fuzzy Multi-objective Optimization of Reservoir Water Quality Monitoring Networks Considering Uncertainties. <i>Water Resources Management</i> , 2018, 32, 4425-4443.	3.9	11
134	Investigating the management performance of disinfection analysis of water distribution networks using data mining approaches. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 397.	2.7	13
135	Spatio-temporal variation of rainfall over Bihar State, India. <i>Journal of Water and Land Development</i> , 2018, 36, 183-197.	0.9	23
136	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.	2.8	50
137	An ensemble wavelet bootstrap machine learning approach to water demand forecasting: a case study in the city of Calgary, Canada. <i>Urban Water Journal</i> , 2017, 14, 185-201.	2.1	25
138	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.	4.0	173
139	Climate change impacts on surface water resources in arid and semi-arid regions: a case study in northern Jordan. <i>Acta Geodaetica Et Geophysica</i> , 2017, 52, 141-156.	1.6	20
140	Uncertainty Estimation in Flood Inundation Mapping: An Application of Non-parametric Bootstrapping. <i>River Research and Applications</i> , 2017, 33, 611-619.	1.7	27
141	A Hybrid of Genetic Algorithm and Evidential Reasoning for Optimal Design of Project Scheduling: A Systematic Negotiation Framework for Multiple Decision-Makers. <i>International Journal of Information Technology and Decision Making</i> , 2017, 16, 389-420.	3.9	7
142	Very short-term reactive forecasting of the solar ultraviolet index using an extreme learning machine integrated with the solar zenith angle. <i>Environmental Research</i> , 2017, 155, 141-166.	7.5	69
143	Investigation of the scaling characteristics of LANDSAT temperature and vegetation data: a wavelet-based approach. <i>International Journal of Biometeorology</i> , 2017, 61, 1709-1721.	3.0	3
144	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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145	Parameter estimation and uncertainty analysis of the Spatial Agro Hydro Salinity Model (SAHYSMOD) in the semi-arid climate of Rechna Doab, Pakistan. <i>Environmental Modelling and Software</i> , 2017, 94, 186-211.	4.5	23
146	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.	5.4	25
147	Coupling of a distributed stakeholder-built system dynamics socio-economic model with SAHYSMOD for sustainable soil salinity management – Part 1: Model development. <i>Journal of Hydrology</i> , 2017, 551, 596-618.	5.4	32
148	<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.	4.3	27
149	Development of a new approach based on midwave infrared spectroscopy for post-consumer black plastic waste sorting in the recycling industry. <i>Waste Management</i> , 2017, 68, 38-44.	7.4	78
150	Forecasting soil temperature based on surface air temperature using a wavelet artificial neural network. <i>Meteorological Applications</i> , 2017, 24, 603-611.	2.1	25
151	The near-term prediction of drought and flooding conditions in the northeastern United States based on extreme phases of AMO and NAO. <i>Journal of Hydrology</i> , 2017, 553, 130-141.	5.4	20
152	Assessment of implement efficiency and soil structure under different conventional tillage implements and soil moisture contents in a silty loam soil. <i>Catena</i> , 2017, 158, 413-420.	5.0	7
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