Jianxun He He

List of Publications by Year
in descending order

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		567281	526287
39	778	15	27
papers	citations	h-index	g-index

39	39	39	835
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Potential application of wavelet neural network ensemble to forecast streamflow for flood management. Journal of Hydrology, 2016, 536, 161-173.	5.4	121
2	The impact of media, plants and their interactions on bioretention performance: A review. Science of the Total Environment, 2020, 715, 136918.	8.0	77
3	A Review of Green Roof Applications for Managing Urban Stormwater in Different Climatic Zones. Sustainability, 2018, 10, 2864.	3.2	70
4	Riverine Water Quality Response to Precipitation and Its Change. Environments - MDPI, 2018, 5, 8.	3.3	34
5	An improved adaptive neuro fuzzy inference system model using conjoined metaheuristic algorithms for electrical conductivity prediction. Scientific Reports, 2022, 12, 4934.	3.3	33
6	Stormwater quantity and quality response to climate change using artificial neural networks. Hydrological Processes, 2011, 25, 1298-1312.	2.6	29
7	Three Types of Permeable Pavements in Cold Climates: Hydraulic and Environmental Performance. Journal of Environmental Engineering, ASCE, 2016, 142, .	1.4	28
8	Characteristics of Suspended Solids, Microorganisms, and Chemical Water Quality in Eventâ€Based Stormwater Runoff from an Urban Residential Area. Water Environment Research, 2010, 82, 2333-2345.	2.7	27
9	The Influence of Design Parameters on Stormwater Pollutant Removal in Permeable Pavements. Water, Air, and Soil Pollution, 2016, 227, 1.	2.4	27
10	Winter Performance of Inter-Locking Paversâ€"Stormwater Quantity and Quality. Water (Switzerland), 2012, 4, 995-1008.	2.7	24
11	River flood prediction using fuzzy neural networks: an investigation on automated network architecture. Water Science and Technology, 2018, 2017, 238-247.	2.5	23
12	Characterizing Physicochemical Quality of Storm-Water Runoff from an Urban Area in Calgary, Alberta. Journal of Environmental Engineering, ASCE, 2010, 136, 1206-1217.	1.4	21
13	Uncertainty quantification using the particle filter for non-stationary hydrological frequency analysis. Journal of Hydrology, 2020, 584, 124666.	5.4	19
14	A Data Driven Approach to Bioretention Cell Performance: Prediction and Design. Water (Switzerland), 2013, 5, 13-28.	2.7	18
15	Flood Impact Assessments on Transportation Networks: A Review of Methods and Associated Temporal and Spatial Scales. Frontiers in Sustainable Cities, 2021, 3, .	2.4	18
16	Non-linear fuzzy-set based uncertainty propagation for improved DO prediction using multiple-linear regression. Stochastic Environmental Research and Risk Assessment, 2013, 27, 599-616.	4.0	17
17	Development of Flow Forecasting Models in the Bow River at Calgary, Alberta, Canada. Water (Switzerland), 2015, 7, 99-115.	2.7	17
18	Trends and Non-Stationarity in Groundwater Level Changes in Rapidly Developing Indian Cities. Water (Switzerland), 2020, 12, 3209.	2.7	16

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19	Nutrient leaching behavior of green roofs: Laboratory and field investigations. Science of the Total Environment, 2021, 754, 141841.	8.0	16
20	Flood frequency analysis using multi-objective optimization based interval estimation approach. Journal of Hydrology, 2017, 545, 251-262.	5.4	15
21	Probabilistic and ensemble simulation approaches for input uncertainty quantification of artificial neural network hydrological models. Hydrological Sciences Journal, 2018, 63, 101-113.	2.6	13
22	Chemical leaching behaviour of a full-scale green roof in a cold and semi-arid climate. Ecological Engineering, 2020, 147, 105768.	3.6	13
23	Bias compensation in flood frequency analysis. Hydrological Sciences Journal, 2015, 60, 381-401.	2.6	12
24	Climate and Land Use Influences on Bacteria Levels in Stormwater. Water (Switzerland), 2019, 11, 2451.	2.7	10
25	Enhancement of Model Reliability by Integrating Prediction Interval Optimization into Hydrogeological Modeling. Water Resources Management, 2019, 33, 229-243.	3.9	10
26	Response of green roof performance to multiple hydrologic and design variables: a laboratory investigation. Water Science and Technology, 2018, 77, 2834-2840.	2.5	9
27	Stationary hydrological frequency analysis coupled with uncertainty assessment under nonstationary scenarios. Journal of Hydrology, 2021, 598, 125725.	5.4	9
28	Hydrological frequency analysis under nonstationarity using the Metastatistical approach and its simplified version. Advances in Water Resources, 2022, 166, 104244.	3.8	9
29	Influence of Temperature and Moisture Content on Thermal Performance of Green Roof Media. Energies, 2021, 14, 2421.	3.1	8
30	Relative importance of P and N in macrophyte and epilithic algae biomass in a wastewater-impacted oligotrophic river. Environmental Monitoring and Assessment, 2016, 188, 494.	2.7	7
31	Phosphorus and nitrogen storage, partitioning, and export in a large gravel bed river. Science of the Total Environment, 2019, 657, 717-730.	8.0	7
32	An Integrated Hydrological-CFD Model for Estimating Bacterial Levels in Stormwater Ponds. Water (Switzerland), 2019, 11, 1016.	2.7	5
33	The decomposition-based nonstationary flood frequency analysis. Journal of Hydrology, 2022, 612, 128186.	5.4	5
34	Urbanization under a Changing Climateâ€“Impacts on Hydrology. Water (Switzerland), 2021, 13, 393.	2.7	3
35	Flood Hazard Estimation under Nonstationarity Using the Particle Filter. Geosciences (Switzerland), 2021, 11, 13.	2.2	3
36	Enhanced profile likelihood method for the nonstationary hydrological frequency analysis. Advances in Water Resources, 2022, 161, 104151.	3.8	3

#	Article	IF	Citations
37	A Velocity Meter for Quantifying Advection Velocity Vectors in Large Water Bodies. Sensors, 2020, 20, 7204.	3.8	1
38	Hydrological behaviour of an unregulated eastern slope river under changing historical climate. Canadian Water Resources Journal, 2022, 47, 137-153.	1.2	1
39	Closure to â€œComparative Study of ANNs versus Parametric Methods in Rainfall Frequency Analysisâ€•by Jianxun He and Caterina Valeo. Journal of Hydrologic Engineering - ASCE, 2010, 15, 322-325.	1.9	0