Zhaoli Wang

List of Publications by Year
in descending order

57 papers	3,187 citations	201674 27 h-index	155660 55 g-index
57 all docs	57 docs citations	57 times ranked	2876 citing authors

#	Article	IF	Citations
1	Flood hazard risk assessment model based on random forest. Journal of Hydrology, 2015, 527, 1130-1141.	5.4	478
2	Evaluation of the GPM IMERG satellite-based precipitation products and the hydrological utility. Atmospheric Research, 2017, 196, 151-163.	4.1	199
3	Scenario-based projections of future urban inundation within a coupled hydrodynamic model framework: A case study in Dongguan City, China. Journal of Hydrology, 2017, 547, 428-442.	5.4	171
4	Spatiotemporal variability of reference evapotranspiration and contributing climatic factors in China during 1961â€“2013. Journal of Hydrology, 2017, 544, 97-108.	5.4	168
5	A fuzzy comprehensive evaluation model for flood risk based on the combination weight of game theory. Natural Hazards, 2015, 77, 1243-1259.	3.4	164
6	Response of net primary production to land use and land cover change in mainland China since the late 1980s. Science of the Total Environment, 2018, 639, 237-247.	8.0	152
7	Drought monitoring utility of satellite-based precipitation products across mainland China. Journal of Hydrology, 2019, 568, 343-359.	5.4	147
8	Climate change enhances the severity and variability of drought in the Pearl River Basin in South China in the 21st century. Agricultural and Forest Meteorology, 2018, 249, 149-162.	4.8	140
9	Does drought in China show a significant decreasing trend from 1961 to 2009?. Science of the Total Environment, 2017, 579, 314-324.	8.0	134
10	Scenario-based flood risk assessment for urbanizing deltas using future land-use simulation (FLUS): Guangzhou Metropolitan Area as a case study. Science of the Total Environment, 2020, 739, 139899.	8.0	124
11	Monitoring hydrological drought using long-term satellite-based precipitation data. Science of the Total Environment, 2019, 649, 1198-1208.	8.0	109
12	Toward Monitoring Short-Term Droughts Using a Novel Daily Scale, Standardized Antecedent Precipitation Evapotranspiration Index. Journal of Hydrometeorology, 2020, 21, 891-908.	1.9	108
13	Integrating the social, hydrological and ecological dimensions of freshwater health: The Freshwater Health Index. Science of the Total Environment, 2018, 627, 304-313.	8.0	96
14	A standardized index for assessing sub-monthly compound dry and hot conditions with application in China. Hydrology and Earth System Sciences, 2021, 25, 1587-1601.	4.9	80
15	Severe drought events inducing large decrease of net primary productivity in mainland China during 1982â€“2015. Science of the Total Environment, 2020, 703, 135541.	8.0	60
16	Observed changes in precipitation extremes across 11 basins in China during 1961â€“2013. International Journal of Climatology, 2016, 36, 2866-2885.	3.5	58
17	Drying tendency dominating the global grain production area. Global Food Security, 2018, 16, 138-149.	8.1	58
18	Flash droughts in the Pearl River Basin, China: Observed characteristics and future changes. Science of the Total Environment, 2020, 707, 136074.	8.0	50

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19	A new framework for tracking flash drought events in space and time. Catena, 2020, 194, 104763.	5.0	49
20	Longâ€range precipitation forecast based on multipole and preceding fluctuations of sea surface temperature. International Journal of Climatology, 2022, 42, 8024-8039.	3.5	46
21	Drought-Induced Reduction in Net Primary Productivity across Mainland China from 1982 to 2015. Remote Sensing, 2018, 10, 1433.	4.0	40
22	Quantitative Evaluation of the Impact of Climate Change and Human Activity on Runoff Change in the Dongjiang River Basin, China. Water (Switzerland), 2018, 10, 571.	2.7	39
23	Robust Meteorological Drought Prediction Using Antecedent SST Fluctuations and Machine Learning. Water Resources Research, 2021, 57, e2020WR029413.	4.2	39
24	A regional frequency analysis of precipitation extremes in Mainland China with fuzzy câ€means and Lâ€moments approaches. International Journal of Climatology, 2017, 37, 429-444.	3.5	37
25	Evaluation and hydrologic validation of TMPA satellite precipitation product downstream of the Pearl River Basin, China. Hydrological Processes, 2017, 31, 4169-4182.	2.6	36
26	Applicability of two satellite-based precipitation products for assessing rainfall erosivity in China. Science of the Total Environment, 2021, 757, 143975.	8.0	33
27	Flood Risk Assessment and Regionalization from Past and Future Perspectives at Basin Scale. Risk Analysis, 2020, 40, 1399-1417.	2.7	32
28	Increasing drought has been observed by SPEI_pm in Southwest China during 1962â€“2012. Theoretical and Applied Climatology, 2018, 133, 23-38.	2.8	27
29	A novel spatial optimization approach for the cost-effectiveness improvement of LID practices based on SWMM-FTC. Journal of Environmental Management, 2022, 307, 114574.	7.8	27
30	Reexamination of the Xie model and spatiotemporal variability in rainfall erosivity in mainland China from 1960 to 2018. Catena, 2020, 195, 104837.	5.0	26
31	Trends in temperature extremes over nine integrated agricultural regions in China, 1961â€“2011. Theoretical and Applied Climatology, 2017, 129, 1279-1294.	2.8	20
32	Evident response of future hydropower generation to climate change. Journal of Hydrology, 2020, 590, 125385.	5.4	19
33	Regional asymmetry in the response of global vegetation growth to springtime compound climate events. Communications Earth & Environment, 2022, 3, .	6.8	19
34	Intensity and spatial heterogeneity of design rainstorm under nonstationarity and stationarity hypothesis across mainland China. Theoretical and Applied Climatology, 2019, 138, 1795-1808.	2.8	16
35	Evaluating pluvial flood hazard for highly urbanised cities: a case study of the Pearl River Delta Region in China. Natural Hazards, 2021, 105, 1691-1719.	3.4	16
36	Surface Water Quality Evaluation Based on a Game Theory-Based Cloud Model. Water (Switzerland), 2018, 10, 510.	2.7	14

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37	Spatiotemporal variability of sunshine duration and influential climatic factors in mainland China during 1959â€“2017. International Journal of Climatology, 2020, 40, 6282-6300.	3.5	14
38	Reconstruction of annual runoff since CE 1557 using tree-ring chronologies in the upper Lancang-Mekong River basin. Journal of Hydrology, 2019, 569, 771-781.	5.4	13
39	Response of non-point source pollution to landscape pattern: case study in mountain-rural region, China. Environmental Science and Pollution Research, 2021, 28, 16602-16615.	5.3	12
40	Implication of climate variable selections on the uncertainty of reference crop evapotranspiration projections propagated from climate variables projections under climate change. Agricultural Water Management, 2022, 259, 107273.	5.6	12
41	Set Pair Analysis Model Based on GIS to Evaluation for Flood Damage Risk. Procedia Engineering, 2012, 28, 196-201.	1.2	11
42	A Two-stage Approach to Basin-scale Water Demand Prediction. Water Resources Management, 2018, 32, 401-416.	3.9	11
43	Reservoir-Induced Hydrological Alterations Using Ecologically Related Hydrologic Metrics: Case Study in the Beijiang River, China. Water (Switzerland), 2020, 12, 2008.	2.7	11
44	Evaluation of TMPA 3B42-V7 Product on Extreme Precipitation Estimates. Remote Sensing, 2021, 13, 209.	4.0	11
45	Effects of different cropping systems on ammonia nitrogen load in a typical agricultural watershed of South China. Journal of Contaminant Hydrology, 2022, 246, 103963.	3.3	10
46	Spatiotemporal variability of eventâ€based rainstorm: The perspective of rainfall pattern and concentration. International Journal of Climatology, 2022, 42, 6258-6276.	3.5	9
47	Spatiotemporal Variability of Actual Evapotranspiration and the Dominant Climatic Factors in the Pearl River Basin, China. Atmosphere, 2019, 10, 340.	2.3	7
48	Effects of largeâ€scale climate anomalies on crop reference evapotranspiration in the main grainâ€production area of China. International Journal of Climatology, 2019, 39, 1195-1212.	3.5	7
49	Spatiotemporal Variation of Annual Runoff and Sediment Load in the Pearl River during 1953â€“2017. Sustainability, 2019, 11, 5007.	3.2	7
50	Spatially continuous assessment of satellite-based precipitation products using triple collocation approach and discrete gauge observations via geographically weighted regression. Journal of Hydrology, 2022, 608, 127640.	5.4	7
51	High effectiveness of GRACE data in daily-scale flood modeling: case study in the Xijiang River Basin, China. Natural Hazards, 2022, 113, 507-526.	3.4	4
52	Temporal Variability of Drought in Nine Agricultural Regions of China and the Influence of Atmospheric Circulation. Atmosphere, 2020, 11, 990.	2.3	3
53	Changes in Extreme Precipitation across 30 Global River Basins. Water (Switzerland), 2020, 12, 1527.	2.7	3
54	Copulaâ€Based Bivariate Return Period AnalysisÂand Its Implication to Hydrological DesignÂEvent. Journal of the American Water Resources Association, 2023, 59, 571-583.	2.4	2

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55	Response of vegetation dynamics to drought at the eco-geographical region scale across China. Arabian Journal of Geosciences, 2021, 14, 1.	1.3	1
56	Multiâ€“Proxy Reconstruction of Drought Variability in China during the Past Two Millennia. Water (Switzerland), 2022, 14, 858.	2.7	1
57	Spatial Error Distribution and Error Cause Analysis of TMPA-3B42V7 Satellite-Based Precipitation Products over Mainland China. Water (Switzerland), 2019, 11, 1435.	2.7	0