

Zhaoli Wang

List of Publications by Year in descending order

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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	Copula-Based Bivariate Return Period Analysis and Its Implication to Hydrological Design Event. Journal of the American Water Resources Association, 2023, 59, 571-583.	2.4	2
2	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
3	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
4	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
5	Multi-Proxy Reconstruction of Drought Variability in China during the Past Two Millennia. Water (Switzerland), 2022, 14, 858.	2.7	1
6	Spatiotemporal variability of event-based rainstorm: The perspective of rainfall pattern and concentration. International Journal of Climatology, 2022, 42, 6258-6276.	3.5	9
7	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
8	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
9	Long-range precipitation forecast based on multipole and preceding fluctuations of sea surface temperature. International Journal of Climatology, 2022, 42, 8024-8039.	3.5	46
10	Regional asymmetry in the response of global vegetation growth to springtime compound climate events. Communications Earth & Environment, 2022, 3, .	6.8	19
11	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
12	Applicability of two satellite-based precipitation products for assessing rainfall erosivity in China. Science of the Total Environment, 2021, 757, 143975.	8.0	33
13	Evaluation of TMPA 3B42-V7 Product on Extreme Precipitation Estimates. Remote Sensing, 2021, 13, 209.	4.0	11
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	Robust Meteorological Drought Prediction Using Antecedent SST Fluctuations and Machine Learning. Water Resources Research, 2021, 57, e2020WR029413.	4.2	39
16	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
17	Response of vegetation dynamics to drought at the eco-geographical region scale across China. Arabian Journal of Geosciences, 2021, 14, 1.	1.3	1
18	Severe drought events inducing large decrease of net primary productivity in mainland China during 1982-2015. Science of the Total Environment, 2020, 703, 135541.	8.0	60

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19	Flash droughts in the Pearl River Basin, China: Observed characteristics and future changes. <i>Science of the Total Environment</i> , 2020, 707, 136074.	8.0	50
20	Evident response of future hydropower generation to climate change. <i>Journal of Hydrology</i> , 2020, 590, 125385.	5.4	19
21	Reservoir-Induced Hydrological Alterations Using Ecologically Related Hydrologic Metrics: Case Study in the Beijiang River, China. <i>Water (Switzerland)</i> , 2020, 12, 2008.	2.7	11
22	Temporal Variability of Drought in Nine Agricultural Regions of China and the Influence of Atmospheric Circulation. <i>Atmosphere</i> , 2020, 11, 990.	2.3	3
23	Reexamination of the Xie model and spatiotemporal variability in rainfall erosivity in mainland China from 1960 to 2018. <i>Catena</i> , 2020, 195, 104837.	5.0	26
24	Scenario-based flood risk assessment for urbanizing deltas using future land-use simulation (FLUS): Guangzhou Metropolitan Area as a case study. <i>Science of the Total Environment</i> , 2020, 739, 139899.	8.0	124
25	Flood Risk Assessment and Regionalization from Past and Future Perspectives at Basin Scale. <i>Risk Analysis</i> , 2020, 40, 1399-1417.	2.7	32
26	Changes in Extreme Precipitation across 30 Global River Basins. <i>Water (Switzerland)</i> , 2020, 12, 1527.	2.7	3
27	A new framework for tracking flash drought events in space and time. <i>Catena</i> , 2020, 194, 104763.	5.0	49
28	Spatiotemporal variability of sunshine duration and influential climatic factors in mainland China during 1959–2017. <i>International Journal of Climatology</i> , 2020, 40, 6282-6300.	3.5	14
29	Toward Monitoring Short-Term Droughts Using a Novel Daily Scale, Standardized Antecedent Precipitation Evapotranspiration Index. <i>Journal of Hydrometeorology</i> , 2020, 21, 891-908.	1.9	108
30	Intensity and spatial heterogeneity of design rainstorm under nonstationarity and stationarity hypothesis across mainland China. <i>Theoretical and Applied Climatology</i> , 2019, 138, 1795-1808.	2.8	16
31	Spatiotemporal Variability of Actual Evapotranspiration and the Dominant Climatic Factors in the Pearl River Basin, China. <i>Atmosphere</i> , 2019, 10, 340.	2.3	7
32	Spatial Error Distribution and Error Cause Analysis of TMPA-3B42V7 Satellite-Based Precipitation Products over Mainland China. <i>Water (Switzerland)</i> , 2019, 11, 1435.	2.7	0
33	Effects of large-scale climate anomalies on crop reference evapotranspiration in the main grain-production area of China. <i>International Journal of Climatology</i> , 2019, 39, 1195-1212.	3.5	7
34	Spatiotemporal Variation of Annual Runoff and Sediment Load in the Pearl River during 1953–2017. <i>Sustainability</i> , 2019, 11, 5007.	3.2	7
35	Monitoring hydrological drought using long-term satellite-based precipitation data. <i>Science of the Total Environment</i> , 2019, 649, 1198-1208.	8.0	109
36	Drought monitoring utility of satellite-based precipitation products across mainland China. <i>Journal of Hydrology</i> , 2019, 568, 343-359.	5.4	147

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37	Reconstruction of annual runoff since CE 1557 using tree-ring chronologies in the upper Lancang-Mekong River basin. <i>Journal of Hydrology</i> , 2019, 569, 771-781.	5.4	13
38	Drying tendency dominating the global grain production area. <i>Global Food Security</i> , 2018, 16, 138-149.	8.1	58
39	Integrating the social, hydrological and ecological dimensions of freshwater health: The Freshwater Health Index. <i>Science of the Total Environment</i> , 2018, 627, 304-313.	8.0	96
40	Climate change enhances the severity and variability of drought in the Pearl River Basin in South China in the 21st century. <i>Agricultural and Forest Meteorology</i> , 2018, 249, 149-162.	4.8	140
41	Increasing drought has been observed by SPEI _{pm} in Southwest China during 1962–2012. <i>Theoretical and Applied Climatology</i> , 2018, 133, 23-38.	2.8	27
42	A Two-stage Approach to Basin-scale Water Demand Prediction. <i>Water Resources Management</i> , 2018, 32, 401-416.	3.9	11
43	Drought-Induced Reduction in Net Primary Productivity across Mainland China from 1982 to 2015. <i>Remote Sensing</i> , 2018, 10, 1433.	4.0	40
44	Response of net primary production to land use and land cover change in mainland China since the late 1980s. <i>Science of the Total Environment</i> , 2018, 639, 237-247.	8.0	152
45	Surface Water Quality Evaluation Based on a Game Theory-Based Cloud Model. <i>Water (Switzerland)</i> , 2018, 10, 510.	2.7	14
46	Quantitative Evaluation of the Impact of Climate Change and Human Activity on Runoff Change in the Dongjiang River Basin, China. <i>Water (Switzerland)</i> , 2018, 10, 571.	2.7	39
47	Scenario-based projections of future urban inundation within a coupled hydrodynamic model framework: A case study in Dongguan City, China. <i>Journal of Hydrology</i> , 2017, 547, 428-442.	5.4	171
48	A regional frequency analysis of precipitation extremes in Mainland China with fuzzy c-means and L-moments approaches. <i>International Journal of Climatology</i> , 2017, 37, 429-444.	3.5	37
49	Does drought in China show a significant decreasing trend from 1961 to 2009?. <i>Science of the Total Environment</i> , 2017, 579, 314-324.	8.0	134
50	Evaluation and hydrologic validation of TMPA satellite precipitation product downstream of the Pearl River Basin, China. <i>Hydrological Processes</i> , 2017, 31, 4169-4182.	2.6	36
51	Trends in temperature extremes over nine integrated agricultural regions in China, 1961–2011. <i>Theoretical and Applied Climatology</i> , 2017, 129, 1279-1294.	2.8	20
52	Evaluation of the GPM IMERG satellite-based precipitation products and the hydrological utility. <i>Atmospheric Research</i> , 2017, 196, 151-163.	4.1	199
53	Spatiotemporal variability of reference evapotranspiration and contributing climatic factors in China during 1961–2013. <i>Journal of Hydrology</i> , 2017, 544, 97-108.	5.4	168
54	Observed changes in precipitation extremes across 11 basins in China during 1961–2013. <i>International Journal of Climatology</i> , 2016, 36, 2866-2885.	3.5	58

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55	A fuzzy comprehensive evaluation model for flood risk based on the combination weight of game theory. <i>Natural Hazards</i> , 2015, 77, 1243-1259.	3.4	164
56	Flood hazard risk assessment model based on random forest. <i>Journal of Hydrology</i> , 2015, 527, 1130-1141.	5.4	478
57	Set Pair Analysis Model Based on GIS to Evaluation for Flood Damage Risk. <i>Procedia Engineering</i> , 2012, 28, 196-201.	1.2	11