Zhiyong Liu

List of Publications by Year
in descending order

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42 papers	1,537 citations	304743 22 h-index	302126 39 g-index
46 all docs	46 docs citations	46 times ranked	1403 citing authors

#	Article	IF	Citations
1	Natural forest growth and human induced ecosystem disturbance influence water yield in forests. Communications Earth & Environment, 2022, 3, .	6.8	2
2	A probabilistic framework for sequential drought-fluvial identification, probability estimation and prediction. Journal of Hydrology, 2022, 612, 128115.	5.4	4
3	Vegetation controls on surface energy partitioning and water budget over China. Journal of Hydrology, 2021, 600, 125646.	5.4	15
4	Dynamic drought recovery patterns over the Yangtze River Basin. Catena, 2021, 201, 105194.	5.0	21
5	A hybrid bayesian vine model for water level prediction. Environmental Modelling and Software, 2021, 142, 105075.	4.5	21
6	Quantitative association between the water yield impacts of forest cover changes and the biophysical effects of forest cover on temperatures. Journal of Hydrology, 2021, 600, 126529.	5.4	13
7	Trade-off between carbon sequestration and water loss for vegetation greening in China. Agriculture, Ecosystems and Environment, 2021, 319, 107522.	5.3	25
8	Stability of spatial dependence structure of extreme precipitation and the concurrent risk over a nested basin. Journal of Hydrology, 2021, 602, 126766.	5.4	2
9	Significant spatial patterns from the GCM seasonal forecasts of global precipitation. Hydrology and Earth System Sciences, 2020, 24, 1-16.	4.9	23
10	Stepwise modeling and the importance of internal variables validation to test model realism in a data scarce glacier basin. Journal of Hydrology, 2020, 591, 125457.	5.4	19
11	Leaf senescence exhibits stronger climatic responses during warm than during cold autumns. Nature Climate Change, 2020, 10, 777-780.	18.8	84
12	An alternative approach for quantitatively estimating climate variability over China under the effects of ENSO events. Atmospheric Research, 2020, 238, 104897.	4.1	23
13	Assessment of flash flood risk based on improved analytic hierarchy process method and integrated maximum likelihood clustering algorithm. Journal of Hydrology, 2020, 584, 124696.	5.4	90
14	How the three Gorges Dam affects the hydrological cycle in the mid-lower Yangtze River: a perspective based on decadal water temperature changes. Environmental Research Letters, 2020, 15, 014002.	5.2	15
15	Global Response of Evapotranspiration Ratio to Climate Conditions and Watershed Characteristics in a Changing Environment. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032371.	3.3	16
16	Global atmospheric moisture transport associated with precipitation extremes: Mechanisms and climate change impacts. Wiley Interdisciplinary Reviews: Water, 2020, 7, e1412.	6.5	47
17	A framework for seasonal variations of hydrological model parameters: impact on model results and response to dynamic catchment characteristics. Hydrology and Earth System Sciences, 2020, 24, 5859-5874.	4.9	3
18	Compound hot droughts over China: Identification, risk patterns and variations. Atmospheric Research, 2019, 227, 210-219.	4.1	71

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19	Assessing the Impacts of Univariate and Bivariate Flood Frequency Approaches to Flood Risk Accounting for Reservoir Operation. Water (Switzerland), 2019, 11, 475.	2.7	8
20	Global divergent responses of primary productivity to water, energy, and CO₂. Environmental Research Letters, 2019, 14, 124044.	5.2	18
21	A Framework for Exploring Joint Effects of Conditional Factors on Compound Floods. Water Resources Research, 2018, 54, 2681-2696.	4.2	61
22	Multi-scale linkages of winter drought variability to ENSO and the Arctic Oscillation: A case study in Shaanxi, North China. Atmospheric Research, 2018, 200, 117-125.	4.1	37
23	Reply to 'Flawed assumptions compromise water yield assessment'. Nature Communications, 2018, 9, 4788.	12.8	3
24	Likelihood of concurrent climate extremes and variations over China. Environmental Research Letters, 2018, 13, 094023.	5.2	71
25	A Clustering Preprocessing Framework for the Subannual Calibration of a Hydrological Model Considering Climateâ€Land Surface Variations. Water Resources Research, 2018, 54, 10,034.	4.2	29
26	Joint Dependence Between River Water Temperature, Air Temperature, and Discharge in the Yangtze River: The Role of the Three Gorges Dam. Journal of Geophysical Research D: Atmospheres, 2018, 123, 11,938.	3.3	22
27	Hydrological Drought Instantaneous Propagation Speed Based on the Variable Motion Relationship of Speedâ€Time Process. Water Resources Research, 2018, 54, 9549-9565.	4.2	68
28	Probabilistic dependence between streamflow and hydroclimatic variables and the possible linkages to large-scale atmospheric circulation: A case study in Baden-WÃ¼rttemberg, Southwest Germany. Journal of Hydrology, 2018, 565, 443-454.	5.4	2
29	Impacts of reservoir operations on multi-scale correlations between hydrological drought and meteorological drought. Journal of Hydrology, 2018, 563, 726-736.	5.4	103
30	Quantifying the impact of the Three Gorges Dam on the thermal dynamics of the Yangtze River. Environmental Research Letters, 2018, 13, 054016.	5.2	61
31	Landscape heterogeneity and hydrological processes: a review of landscape-based hydrological models. Landscape Ecology, 2018, 33, 1461-1480.	4.2	56
32	Using discriminative feature in software entities for relevance identification of code changes. Journal of Software: Evolution and Process, 2017, 29, e1859.	1.6	10
33	Spatial clusters and temporal trends of seasonal surface soil moisture across China in responses to regional climate and land cover changes. Ecohydrology, 2017, 10, e1800.	2.4	9
34	Temporal dynamics and spatial patterns of drought and the relation to <scp>ENSO</scp>: a case study in Northwest China. International Journal of Climatology, 2016, 36, 2886-2898.	3.5	60
35	A probabilistic prediction network for hydrological drought identification and environmental flow assessment. Water Resources Research, 2016, 52, 6243-6262.	4.2	49
36	A probabilistic assessment of the likelihood of vegetation drought under varying climate conditions across China. Scientific Reports, 2016, 6, 35105.	3.3	39

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37	Identifying long-term variations in vegetation and climatic variables and their scale-dependent relationships: A case study in Southwest Germany. Global and Planetary Change, 2016, 147, 54-66.	3.5	46
38	Spatial driving forces of dominant land use/land cover transformations in the Dongjiang River watershed, Southern China. Environmental Monitoring and Assessment, 2016, 188, 84.	2.7	26
39	A multivariate conditional model for streamflow prediction and spatial precipitation refinement. Journal of Geophysical Research D: Atmospheres, 2015, 120, 10,116.	3.3	65
40	A Probabilistic Waveletâ€“Support Vector Regression Model for Streamflow Forecasting with Rainfall and Climate Information Input*. Journal of Hydrometeorology, 2015, 16, 2209-2229.	1.9	33
41	Evaluating a coupled discrete wavelet transform and support vector regression for daily and monthly streamflow forecasting. Journal of Hydrology, 2014, 519, 2822-2831.	5.4	95
42	Spatiotemporal characteristics of dryness/wetness conditions across Qinghai Province, Northwest China. Agricultural and Forest Meteorology, 2013, 182-183, 101-108.	4.8	72