Zengxin Zhang

List of Publications by Citations

43 papers	1,462 citations	19 h-index	38 g-index
45 ext. papers	1,694 ext. citations	3.5 avg, IF	4.49 L-index

#	Paper	IF	Citations
43	Observed changes of drought/wetness episodes in the Pearl River basin, China, using the standardized precipitation index and aridity index. *Theoretical and Applied Climatology*, **2009**, 98, 89-99	3	180
42	Similarity and difference of the two successive V6 and V7 TRMM multisatellite precipitation analysis performance over China. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 13,060-13,074	4.4	147
41	Estimation of future precipitation change in the Yangtze River basin by using statistical downscaling method. *Stochastic Environmental Research and Risk Assessment*, **2011**, 25, 781-792	3.5	118
40	Examining the influence of river–lake interaction on the drought and water resources in the Poyang Lake basin. *Journal of Hydrology*, **2015**, 522, 510-521	6	113
39	Streamflow Trends and Climate Variability Impacts in Poyang Lake Basin, China. *Water Resources Management*, **2010**, 24, 689-706	3.7	84
38	Statistical behaviours of precipitation regimes in China and their links with atmospheric circulation 1960–2005. *International Journal of Climatology*, **2011**, 31, 1665-1678	3.5	83
37	The response of lake area and vegetation cover variations to climate change over the Qinghai-Tibetan Plateau during the past 30years. *Science of the Total Environment*, **2018**, 635, 443-451	10.2	71
36	Evaluation of Version-7 TRMM Multi-Satellite Precipitation Analysis Product during the Beijing Extreme Heavy Rainfall Event of 21 July 2012. *Water (Switzerland)*, **2014**, 6, 32-44	3	68
35	Changes of temperature extremes for 1960–2004 in Far-West China. *Stochastic Environmental Research and Risk Assessment*, **2009**, 23, 721-735	3.5	62
34	Spatial and temporal characteristics of changes in precipitation during 1957–2007 in the Haihe River basin, China. *Stochastic Environmental Research and Risk Assessment*, **2011**, 25, 881-895	3.5	54
33	Spatial and temporal variations in rainfall erosivity during 1960–2005 in the Yangtze River basin. *Stochastic Environmental Research and Risk Assessment*, **2013**, 27, 337-351	3.5	49
32	Simulation of extreme precipitation indices in the Yangtze River basin by using statistical downscaling method (SDSM). *Theoretical and Applied Climatology*, **2012**, 108, 325-343	3	39
31	Precipitation extremes in a karst region: a case study in the Guizhou province, southwest China. *Theoretical and Applied Climatology*, **2010**, 101, 53-65	3	36
30	Changes of atmospheric water vapor budget in the Pearl River basin and possible implications for hydrological cycle. *Theoretical and Applied Climatology*, **2010**, 102, 185-195	3	35
29	Spatial and temporal variation of precipitation in Sudan and their possible causes during 1948–2005. *Stochastic Environmental Research and Risk Assessment*, **2012**, 26, 429-441	3.5	25
28	Evaluation of the GPM IMERG v5 and TRMM 3B42 v7 Precipitation Products in the Yangtze River Basin, China. *Water (Switzerland)*, **2019**, 11, 1459	3	22
27	Validation of a new meteorological forcing data in analysis of spatial and temporal variability of precipitation in India. *Stochastic Environmental Research and Risk Assessment*, **2014**, 28, 239-252	3.5	22

26	Moisture budget variations in the Yangtze River Basin, China, and possible associations with large-scale circulation. *Stochastic Environmental Research and Risk Assessment*, **2010**, 24, 579-589	3.5	22
25	Atmospheric moisture budget and floods in the Yangtze River basin, China. *Theoretical and Applied Climatology*, **2009**, 95, 331-340	3	20
24	Evaluating the TRMM Multisatellite Precipitation Analysis for Extreme Precipitation and Streamflow in Ganjiang River Basin, China. *Advances in Meteorology*, **2017**, 2017, 1-11	1.7	19
23	Accelerated soil CO2 efflux after conversion from secondary oak forest to pine plantation in southeastern China. *Ecological Research*, **2009**, 24, 1257-1265	1.9	19
22	Influence of Three Gorges Dam on Downstream Low Flow. *Water (Switzerland)*, **2019**, 11, 65	3	16
21	Statistical properties of moisture transport in East Asia and their impacts on wetness/dryness variations in North China. *Theoretical and Applied Climatology*, **2011**, 104, 337-347	3	16
20	Climatological Drought Analyses and Projection Using SPI and PDSI: Case Study of the Arkansas Red River Basin. *Journal of Hydrologic Engineering - ASCE*, **2013**, 18, 809-816	1.8	15
19	Increasing carbon storage in subtropical forests over the Yangtze River basin and its relations to the major ecological projects. *Science of the Total Environment*, **2020**, 709, 136163	10.2	14
18	Changing features of extreme precipitation in the Yangtze River basin during 1961–2002. *Journal of Chinese Geography*, **2007**, 17, 33-42	3.7	13
17	Analysis of Poyang Lake water balance and its indication of river-lake interaction. *SpringerPlus*, **2016**, 5, 1555		12
16	Evaluation of TRMM Multisatellite Precipitation Analysis in the Yangtze River Basin with a Typical Monsoon Climate. *Advances in Meteorology*, **2016**, 2016, 1-13	1.7	12
15	Changes in Forest Net Primary Productivity in the Yangtze River Basin and Its Relationship with Climate Change and Human Activities. *Remote Sensing*, **2019**, 11, 1451	5	11
14	Statistical properties of the temperature, relative humidity, and net solar radiation in the Blue Nile-eastern Sudan region. *Theoretical and Applied Climatology*, **2010**, 101, 397-409	3	11
13	Composition and Biomass of Aquatic Vegetation in the Poyang Lake, China. *Scientifica*, **2017**, 2017, 8742480	2.80	9
12	Projections of precipitation over China based on CMIP6 models. *Stochastic Environmental Research and Risk Assessment*, **2021**, 35, 831-848	3.5	8
11	Changes of Grassland Rain Use Efficiency and NDVI in Northwestern China from 1982 to 2013 and Its Response to Climate Change. *Water (Switzerland)*, **2018**, 10, 1689	3	8
10	MaxEnt Modeling Based on CMIP6 Models to Project Potential Suitable Zones for Cunninghamia lanceolata in China. *Forests*, **2021**, 12, 752	2.8	6
9	Population and Economic Projections in the Yangtze River Basin Based on Shared Socioeconomic Pathways. *Sustainability*, **2020**, 12, 4202	3.6	5

8	On the Linkage between the Extreme Drought and Pluvial Patterns in China and the Large-Scale Atmospheric Circulation. *Advances in Meteorology*, **2016**, 2016, 1-12	1.7	5
7	Hydrologic Evaluation of Integrated Multi-Satellite Retrievals for GPM over Nanliu River Basin in Tropical Humid Southern China. *Water (Switzerland)*, **2019**, 11, 932	3	3
6	Encounter Probability and Risk of Flood and Drought under Future Climate Change in the Two Tributaries of the Rao River Basin, China. *Water (Switzerland)*, **2020**, 12, 104	3	3
5	Non-stationary frequency analysis of extreme streamflow disturbance in a typical ecological function reserve of China under a changing climate. *Ecohydrology*, **2021**, 14, e2323	2.5	3
4	Observed climatic changes in Shanghai during 1873–2002. *Journal of Chinese Geography*, **2005**, 15, 217-222	3.7	2
3	Observed dryness and wetness variability in Shanghai during 1873–2005. *Journal of Chinese Geography*, **2009**, 19, 143-152	3.7	1
2	Will the arid and semi-arid regions of Northwest China become warmer and wetter based on CMIP6 models?. *Hydrology Research*, **2022**, 53, 29-50		1
1	Changes in water use efficiency and their relations to climate change and human activities in three forestry regions of China. *Theoretical and Applied Climatology*, **2021**, 144, 1297-1310	3	0