Xiang-Hu Li

List of Publications by Year
in descending order

45 papers	1,943 citations	331259 21 h-index	315357 38 g-index
45 all docs	45 docs citations	45 times ranked	1921 citing authors

#	Article	IF	Citations
1	Distinguishing the relative impacts of climate change and human activities on variation of streamflow in the Poyang Lake catchment, China. Journal of Hydrology, 2013, 494, 83-95.	2.3	354
2	An investigation of enhanced recessions in Poyang Lake: Comparison of Yangtze River and local catchment impacts. Journal of Hydrology, 2014, 517, 425-434.	2.3	280
3	Suitability of the TRMM satellite rainfalls in driving a distributed hydrological model for water balance computations in Xinjiang catchment, Poyang lake basin. Journal of Hydrology, 2012, 426-427, 28-38.	2.3	173
4	Hydrodynamic and Hydrological Modeling of the Poyang Lake Catchment System in China. Journal of Hydrologic Engineering - ASCE, 2014, 19, 607-616.	0.8	137
5	Assessing the performance of satellite-based precipitation products and its dependence on topography over Poyang Lake basin. Theoretical and Applied Climatology, 2014, 115, 713-729.	1.3	77
6	Copula-based probability of concurrent hydrological drought in the Poyang lake-catchment-river system (China) from 1960 to 2013. Journal of Hydrology, 2017, 553, 773-784.	2.3	74
7	Intensification of hydrological drought due to human activity in the middle reaches of the Yangtze River, China. Science of the Total Environment, 2018, 637-638, 1432-1442.	3.9	74
8	An Initial Inventory and Indexation of Groundwater Mega-Depletion Cases. Water Resources Management, 2013, 27, 507-533.	1.9	63
9	Variation of reference evapotranspiration and its contributing climatic factors in the Poyang Lake catchment, China. Hydrological Processes, 2014, 28, 6151-6162.	1.1	58
10	Factors influencing water level changes in Chinaâ€™s largest freshwater lake, Poyang Lake, in the past 50 years. Water International, 2014, 39, 983-999.	0.4	57
11	The changing patterns of floods in Poyang Lake, China: characteristics and explanations. Natural Hazards, 2015, 76, 651-666.	1.6	56
12	Dry/Wet Conditions Monitoring Based on TRMM Rainfall Data and Its Reliability Validation over Poyang Lake Basin, China. Water (Switzerland), 2013, 5, 1848-1864.	1.2	55
13	Similarity, difference and correlation of meteorological and hydrological drought indices in a humid climate region â€“ the Poyang Lake catchment in China. Hydrology Research, 2016, 47, 1211-1223.	1.1	40
14	Variation of floods characteristics and their responses to climate and human activities in Poyang Lake, China. Chinese Geographical Science, 2015, 25, 13-25.	1.2	34
15	Quantifying the Human Induced Water Level Decline of Chinaâ€™s Largest Freshwater Lake from the Changing Underlying Surface in the Lake Region. Water Resources Management, 2018, 32, 1467-1482.	1.9	33
16	Attribution of Evapotranspiration Changes in Humid Regions of China from 1982 to 2016. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032404.	1.2	31
17	A modeling study of the influences of Yangtze River and local catchment on the development of floods in Poyang Lake, China. Hydrology Research, 2016, 47, 102-119.	1.1	28
18	Variability of Rainfall Erosivity and Erosivity Density in the Ganjiang River Catchment, China: Characteristics and Influences of Climate Change. Atmosphere, 2018, 9, 48.	1.0	28

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19	Contributions of climate change and human activities to runoff variations in the Poyang Lake Basin of China. Physics and Chemistry of the Earth, 2021, 123, 103019.	1.2	25
20	Spatiotemporal Characteristics of Dry-Wet Abrupt Transition Based on Precipitation in Poyang Lake Basin, China. Water (Switzerland), 2015, 7, 1943-1958.	1.2	24
21	Attribution of the changes in annual streamflow in the Yangtze River Basin over the past 146Âyears. Theoretical and Applied Climatology, 2015, 119, 323-332.	1.3	22
22	Investigation of the droughtâ€“flood abrupt alternation of streamflow in Poyang Lake catchment during the last 50 years. Hydrology Research, 2017, 48, 1402-1417.	1.1	22
23	Lake flooding sensitivity to the relative timing of peak flows between upstream and downstream waterways: A case study of Poyang Lake, China. Hydrological Processes, 2017, 31, 4217-4228.	1.1	22
24	Trends and periodicities in observed temperature, precipitation and runoff in a desert catchment: case study for the <scp>S</scp>hiyang <scp>R</scp>iver <scp>B</scp>asin in <scp>N</scp>orthwestern <scp>C</scp>hina. Water and Environment Journal, 2013, 27, 86-98.	1.0	17
25	Evaluating the influence of water table depth on transpiration of two vegetation communities in a lake floodplain wetland. Hydrology Research, 2016, 47, 293-312.	1.1	17
26	Suitability of Satellite-Based Precipitation Products for Water Balance Simulations Using Multiple Observations in a Humid Catchment. Remote Sensing, 2019, 11, 151.	1.8	17
27	Spatiotemporal Changes in Extreme Precipitation and Its Dependence on Topography over the Poyang Lake Basin, China. Advances in Meteorology, 2019, 2019, 1-15.	0.6	17
28	Estimating the Potential Evapotranspiration of Poyang Lake Basin Using Remote Sense Data and Shuttleworth-Wallace Model. Procedia Environmental Sciences, 2011, 10, 1575-1582.	1.3	15
29	Suitability of TRMM Products with Different Temporal Resolution (3-Hourly, Daily, and Monthly) for Rainfall Erosivity Estimation. Remote Sensing, 2020, 12, 3924.	1.8	15
30	Investigation of the Variability and Implications of Meteorological Dry/Wet Conditions in the Poyang Lake Catchment, China, during the Period 1960â€“2010. Advances in Meteorology, 2015, 2015, 1-11.	0.6	14
31	Change of annual extreme water levels and correlation with river discharges in the middle-lower Yangtze River: Characteristics and possible affecting factors. Chinese Geographical Science, 2017, 27, 325-336.	1.2	13
32	Influences of the timing of extreme precipitation on floods in Poyang Lake, China. Hydrology Research, 2021, 52, 26-42.	1.1	12
33	Capabilities of Satellite-Based Precipitation to Estimate the Spatiotemporal Variation of Flood/Drought Class in Poyang Lake Basin. Advances in Meteorology, 2013, 2013, 1-9.	0.6	11
34	Effects of spatial information of soil physical properties on hydrological modeling based on a distributed hydrological model. Chinese Geographical Science, 2013, 23, 182-193.	1.2	8
35	Investigation of the complexity of streamflow fluctuations in a large heterogeneous lake catchment in China. Theoretical and Applied Climatology, 2018, 132, 751-762.	1.3	7
36	Comprehensive evaluation of multiple methods for assessing water resources variability of a lakeâ€“river system under the changing environment. Hydrology Research, 2018, 49, 332-343.	1.1	6

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37	Effect of temporal resolution of NDVI on potential evapotranspiration estimation and hydrological model performance. Chinese Geographical Science, 2007, 17, 357-363.	1.2	3
38	Assessing changes in total water storage in two large freshwater lake basins of China. Hydrological Processes, 2022, 36, .	1.1	3
39	Interannual variability of evapotranspiration based on distributed hydrological model in Xinjiang catchment, Poyang Lake. , 2011, , .		1
40	Incorporating Remote Sensing Data in a Simple Distributed Hydrological Model for Runoff and Spatial Soil Moisture Simulation. , 2008, , .		0
41	Effect of land use change on storm runoff simulation using a simple distributed hydrological model. Proceedings of SPIE, 2008, , .	0.8	0
42	Validation the applicability of satellite based rainfall data for runoff simulation and water balance analysis. , 2011, , .		0
43	Comparison of two distributed hydrological model for soil moisture simulation. , 2011, , .		0
44	Validation of satellite based rainfall data in Poyang Lake catchment. , 2011, , .		0
45	An Integrated Hydrological Model for Poyang Lake Watershed, China. , 2012, , .		0