

Zhiyong Wu

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43
papers

578
citations

15
h-index

22
g-index

51
ext. papers

750
ext. citations

4.8
avg, IF

4.03
L-index

#	Paper	IF	Citations
43	Correlation between hydrological drought, climatic factors, reservoir operation, and vegetation cover in the Xijiang Basin, South China. <i>Journal of Hydrology</i> , 2017 , 549, 512-524	6	50
42	Spatio-temporal analysis of drought in a typical plain region based on the soil moisture anomaly percentage index. <i>Science of the Total Environment</i> , 2017 , 576, 752-765	10.2	48
41	Thirty-five year (1971-2005) simulation of daily soil moisture using the variable infiltration capacity model over China. <i>Atmosphere - Ocean</i> , 2007 , 45, 37-45	1.5	39
40	Hydrologic Evaluation of Multi-Source Satellite Precipitation Products for the Upper Huaihe River Basin, China. <i>Remote Sensing</i> , 2018 , 10, 840	5	34
39	Evaluating the accuracy of MSWEP V2.1 and its performance for drought monitoring over mainland China. <i>Atmospheric Research</i> , 2019 , 226, 17-31	5.4	32
38	Exploring spatiotemporal relationships among meteorological, agricultural, and hydrological droughts in Southwest China. <i>Stochastic Environmental Research and Risk Assessment</i> , 2016 , 30, 1033-1044	2.5	31
37	Atmospheric-hydrological modeling of severe precipitation and floods in the Huaihe River Basin, China. <i>Journal of Hydrology</i> , 2006 , 330, 249-259	6	29
36	Real-time forecast of the 2005 and 2007 summer severe floods in the Huaihe River Basin of China. <i>Journal of Hydrology</i> , 2010 , 381, 33-41	6	28
35	Climate and drought risk regionalisation in China based on probabilistic aridity and drought index. <i>Science of the Total Environment</i> , 2018 , 612, 513-521	10.2	26
34	Analysis of hydrological drought frequency for the Xijiang River Basin in South China using observed streamflow data. <i>Natural Hazards</i> , 2015 , 77, 1655-1677	3	19
33	Reconstructing sixty year (1950-2009) daily soil moisture over the Canadian Prairies using the Variable Infiltration Capacity model. <i>Canadian Water Resources Journal</i> , 2011 , 36, 83-102	1.7	19
32	Evaluation of Soil Moisture Climatology and Anomaly Components Derived From ERA5-Land and GLDAS-2.1 in China. <i>Water Resources Management</i> , 2021 , 35, 629-643	3.7	19
31	Flood forecasts based on multi-model ensemble precipitation forecasting using a coupled atmospheric-hydrological modeling system. <i>Natural Hazards</i> , 2014 , 74, 325-340	3	18
30	Real-time flood forecast and flood alert map over the Huaihe River Basin in China using a coupled hydro-meteorological modeling system. <i>Science in China Series D: Earth Sciences</i> , 2008 , 51, 1049-1063		18
29	An Evaluation of the Performance and the Contribution of Different Modified Water Demand Estimates in Drought Modeling Over Water-stressed Regions. <i>Land Degradation and Development</i> , 2017 , 28, 1134-1151	4.4	15
28	Analysis and improvement of runoff generation in the land surface scheme CLASS and comparison with field measurements from China. <i>Journal of Hydrology</i> , 2007 , 345, 1-15	6	14
27	Anomalous Features of Water Vapor Transport during Severe Summer and Early Fall Droughts in Southwest China. <i>Water (Switzerland)</i> , 2017 , 9, 244	3	11

26	Thirty-five year (1971-2005) simulation of daily soil moisture using the variable infiltration capacity model over China		11
25	Evaluation of Optimized WRF Precipitation Forecast over a Complex Topography Region during Flood Season. <i>Atmosphere</i> , 2016 , 7, 145	2.7	10
24	Regional response of runoff in CMIP5 multi-model climate projections of Jiangsu Province, China. <i>Stochastic Environmental Research and Risk Assessment</i> , 2017 , 31, 2627-2643	3.5	9
23	Improving Spatial Patterns Prior to Land Surface Data Assimilation via Model Calibration Using SMAP Surface Soil Moisture Data. <i>Water Resources Research</i> , 2020 , 56, e2020WR027770	5.4	9
22	Impact of Climate Change on Drought in the Upstream Yangtze River Region. <i>Water (Switzerland)</i> , 2016 , 8, 576	3	8
21	An advanced error correction methodology for merging in-situ observed and model-based soil moisture. <i>Journal of Hydrology</i> , 2018 , 566, 150-163	6	8
20	Assessment of Climate Change Effects on Water Resources in the Yellow River Basin, China. <i>Advances in Meteorology</i> , 2015 , 2015, 1-8	1.7	7
19	Development of a Large-Scale Routing Model with Scale Independent by Considering the Damping Effect of Sub-Basins. <i>Water Resources Management</i> , 2015 , 29, 5237-5253	3.7	7
18	Triple Collocation-Based Assessment of Satellite Soil Moisture Products with In Situ Measurements in China: Understanding the Error Sources. <i>Remote Sensing</i> , 2020 , 12, 2275	5	7
17	High-Resolution Dynamical Downscaling of Seasonal Precipitation Forecasts for the Hanjiang Basin in China Using the Weather Research and Forecasting Model. <i>Journal of Applied Meteorology and Climatology</i> , 2017 , 56, 1515-1536	2.7	6
16	Improvement of a combination of TMPA (or IMERG) and ground-based precipitation and application to a typical region of the East China Plain. <i>Science of the Total Environment</i> , 2018 , 640-641, 1165-1175	10.2	6
15	Coupled hydrology-crop growth model incorporating an improved evapotranspiration module. <i>Agricultural Water Management</i> , 2021 , 246, 106691	5.9	6
14	An Integration Approach for Mapping Field Capacity of China Based on Multi-Source Soil Datasets. <i>Water (Switzerland)</i> , 2018 , 10, 728	3	6
13	Understanding Atmospheric Anomalies Associated With Seasonal Pluvial-Drought Processes Using Southwest China as an Example. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 12,210-12,225	4.4	4
12	A comparative frequency analysis of three standardized drought indices in the Poyang Lake basin, China. <i>Natural Hazards</i> , 2018 , 91, 353-374	3	4
11	A triple collocation-based 2D soil moisture merging methodology considering spatial and temporal non-stationary errors. <i>Remote Sensing of Environment</i> , 2021 , 263, 112509	13.2	4
10	Quantitative Assessment Model for the Effects of Drought Mitigation on Regional Agriculture Based on an Expectation Index of Drought Mitigation Effects. <i>Water (Switzerland)</i> , 2019 , 11, 464	3	3
9	Post-processing sub-seasonal precipitation forecasts at various spatiotemporal scales across China during boreal summer monsoon. <i>Journal of Hydrology</i> , 2021 , 598, 125742	6	3

8	A conceptual prediction model for seasonal drought processes using atmospheric and oceanic standardized anomalies: application to regional drought processes in China. <i>Hydrology and Earth System Sciences</i> , 2018 , 22, 529-546	5.5	3
7	Verification of High-Resolution Medium-Range Precipitation Forecasts from Global Environmental Multiscale Model over China during 2009–2013. <i>Atmosphere</i> , 2018 , 9, 104	2.7	2
6	Regional assimilation of in situ observed soil moisture into the VIC model considering spatial variability. <i>Hydrological Sciences Journal</i> , 2019 , 64, 1982-1996	3.5	1
5	Simulation of Crop Water Demand and Consumption Considering Irrigation Effects Based on Coupled Hydrology-Crop Growth Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2021 , 13, e2020MS002360	7.1	1
4	Deterministic and Probabilistic Evaluation of Sub-Seasonal Precipitation Forecasts at Various Spatiotemporal Scales over China during the Boreal Summer Monsoon. <i>Atmosphere</i> , 2021 , 12, 1049	2.7	1
3	Evaluating the Potential of Different Evapotranspiration Datasets for Distributed Hydrological Model Calibration. <i>Remote Sensing</i> , 2022 , 14, 629	5	0
2	Precipitation and water stage variability under rapid developments of urbanization in Taihu Basin. <i>Proceedings of the International Association of Hydrological Sciences</i> , 383, 13-24		
1	Sensitivity of Dynamical Downscaling Seasonal Precipitation Forecasts to Convection and Land Surface Parameterization in a High-Resolution Regional Climate Model. <i>Advances in Meteorology</i> , 2019 , 2019, 1-14	1.7	