

# Zhijia Li

## List of Publications by Citations

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45  
papers

961  
citations

15  
h-index

30  
g-index

48  
ext. papers

1,242  
ext. citations

3.5  
avg, IF

4.58  
L-index

#	Paper	IF	Citations
45	Geographically weighted regression based methods for merging satellite and gauge precipitation. <i>Journal of Hydrology</i> , <b>2018</b> , 558, 275-289	6	121
44	Sedimentary records of large Holocene floods from the middle reaches of the Yellow River, China. <i>Geomorphology</i> , <b>2000</b> , 33, 73-88	4.3	96
43	Ground observation-based analysis of soil moisture spatiotemporal variability across a humid to semi-humid transitional zone in China. <i>Journal of Hydrology</i> , <b>2019</b> , 574, 903-914	6	74
42	Quantitative assessment of the impact of climate variability and human activities on runoff changes for the upper reaches of Weihe River. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2014</b> , 28, 333-346	3.5	69
41	Improving the flood prediction capability of the Xinanjiang model in ungauged nested catchments by coupling it with the geomorphologic instantaneous unit hydrograph. <i>Journal of Hydrology</i> , <b>2014</b> , 517, 1035-1048	6	68
40	A priori parameter estimates for a distributed, grid-based Xinanjiang model using geographically based information. <i>Journal of Hydrology</i> , <b>2012</b> , 468-469, 47-62	6	52
39	Improving event-based rainfall-runoff simulation using an ensemble artificial neural network based hybrid data-driven model. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2015</b> , 29, 1345-1370	3.5	46
38	Event-based hydrological modeling for detecting dominant hydrological process and suitable model strategy for semi-arid catchments. <i>Journal of Hydrology</i> , <b>2016</b> , 542, 292-303	6	42
37	Coupling the k-nearest neighbor procedure with the Kalman filter for real-time updating of the hydraulic model in flood forecasting. <i>International Journal of Sediment Research</i> , <b>2016</b> , 31, 149-158	3	36
36	A hybrid runoff generation modelling framework based on spatial combination of three runoff generation schemes for semi-humid and semi-arid watersheds. <i>Journal of Hydrology</i> , <b>2020</b> , 590, 125440	6	30
35	Multiple hydrological models comparison and an improved Bayesian model averaging approach for ensemble prediction over semi-humid regions. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2019</b> , 33, 217-238	3.5	30
34	Applicability of Support Vector Machine and Artificial Neural Network for Flood Forecasting in Humid, Semi-Humid and Semi-Arid Basins in China. <i>Water (Switzerland)</i> , <b>2019</b> , 11, 85	3	26
33	The Applicability of LSTM-KNN Model for Real-Time Flood Forecasting in Different Climate Zones in China. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 440	3	23
32	Applicability assessment of the CASCADE Two Dimensional SEDiment (CASC2D-SED) distributed hydrological model for flood forecasting across four typical medium and small watersheds in China. <i>Journal of Flood Risk Management</i> , <b>2019</b> , 12,	3.1	20
31	Application of a developed distributed hydrological model based on the mixed runoff generation model and 2D kinematic wave flow routing model for better flood forecasting. <i>Atmospheric Science Letters</i> , <b>2017</b> , 18, 284-293	2.4	15
30	Improving flood simulation capability of the WRF-Hydro-RAPID model using a multi-source precipitation merging method. <i>Journal of Hydrology</i> , <b>2021</b> , 592, 125814	6	13
29	Bayesian Statistic Forecasting Model for Middle-Term and Long-Term Runoff of a Hydropower Station. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2013</b> , 18, 1458-1463	1.8	12

28	Quantitative Estimation of the Impact of Precipitation and Land Surface Change on Hydrological Processes through Statistical Modeling. <i>Advances in Meteorology</i> , <b>2016</b> , 2016, 1-15	1.7	12
27	GA-PIC: An improved Green-Ampt rainfall-runoff model with a physically based infiltration distribution curve for semi-arid basins. <i>Journal of Hydrology</i> , <b>2020</b> , 586, 124900	6	12
26	Comparison of three updating models for real time forecasting: a case study of flood forecasting at the middle reaches of the Huai River in East China. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2017</b> , 31, 1471-1484	3.5	11
25	Spatial Combination Modeling Framework of Saturation-Excess and Infiltration-Excess Runoff for Semihumid Watersheds. <i>Advances in Meteorology</i> , <b>2016</b> , 2016, 1-15	1.7	10
24	Assessment and modelling of uncertainty in precipitation forecasts from TIGGE using fuzzy probability and Bayesian theory. <i>Journal of Hydrology</i> , <b>2019</b> , 577, 123995	6	9
23	Evaluation of flood prediction capability of the distributed Grid-Xinanjiaog model driven by weather research and forecasting precipitation. <i>Journal of Flood Risk Management</i> , <b>2019</b> , 12,	3.1	8
22	Evaluation of Flood Prediction Capability of the WRF-Hydro Model Based on Multiple Forcing Scenarios. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 874	3	8
21	Coupling FEFLOW and MIKE11 to optimise the flooding system of the Lower Havel polders in Germany. <i>International Journal of Water</i> , <b>2009</b> , 5, 163	0.9	8
20	Applying a statistical method to streamflow reduction caused by underground mining for coal in the Kuye River basin. <i>Science China Technological Sciences</i> , <b>2016</b> , 59, 1911-1920	3.5	7
19	Impact of DEM Resolution and Spatial Scale: Analysis of Influence Factors and Parameters on Physically Based Distributed Model. <i>Advances in Meteorology</i> , <b>2016</b> , 2016, 1-10	1.7	7
18	Flood Forecasting Based on TIGGE Precipitation Ensemble Forecast. <i>Advances in Meteorology</i> , <b>2016</b> , 2016, 1-9	1.7	6
17	Improving TIGGE Precipitation Forecasts Using an SVR Ensemble Approach in the Huaihe River Basin. <i>Advances in Meteorology</i> , <b>2018</b> , 2018, 1-15	1.7	6
16	Inter-annual variation of streamflow, precipitation and evaporation in a small humid watershed (Chengcun Basin, China). <i>Chinese Journal of Oceanology and Limnology</i> , <b>2014</b> , 32, 455-468		5
15	Analysis of stochastic characteristics of the Benue River flow process. <i>Chinese Journal of Oceanology and Limnology</i> , <b>2008</b> , 26, 142-151		5
14	Hydrological regionalisation based on available hydrological information for runoff prediction at catchment scale. <i>Proceedings of the International Association of Hydrological Sciences</i> , <b>379</b> , 13-19		5
13	Improving the flood prediction capability of the Xinanjiaog model by formulating a new physics-based routing framework and a key routing parameter estimation method. <i>Journal of Hydrology</i> , <b>2021</b> , 603, 126867	6	5
12	Flood Prediction in Ungauged Basins by Physical-Based TOPKAPI Model. <i>Advances in Meteorology</i> , <b>2019</b> , 2019, 1-16	1.7	4
11	Quantifying the Hydrological Response to Water Conservation Measures and Climatic Variability in the Yihe River Basin, China. <i>Outlook on Agriculture</i> , <b>2015</b> , 44, 273-282	2.9	4

10	Application of developed Grid-GA distributed hydrologic model in semi-humid and semi-arid basin. <i>Transactions of Tianjin University</i> , <b>2010</b> , 16, 209-215	2.9	3
9	Impact of rainfall spatiotemporal variability and model structures on flood simulation in semi-arid regions. <i>Stochastic Environmental Research and Risk Assessment</i> , 1	3.5	2
8	A New Runoff Routing Scheme for XinAnjiang Model and Its Routing Parameters Estimation Based on Geographical Information. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 3429	3	1
7	Data-Driven Modeling and the Influence of Objective Function Selection on Model Performance in Limited Data Regions. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	1
6	Analysis of long-term dependence phenomenon in Benue River flow process and its hypothesis testing. <i>Chinese Journal of Oceanology and Limnology</i> , <b>2008</b> , 26, 313-322		1
5	Improving the flood forecasting capability of the Xinanjiang model for small- and medium-sized ungauged catchments in South China. <i>Natural Hazards</i> , <b>2021</b> , 106, 2077-2109	3	1
4	Comparison of Missing Data Infilling Mechanisms for Recovering a Real-World Single Station Streamflow Observation. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	1
3	Development of Topography-Based River Width Estimation Model for Medium-Sized Mountainous Watersheds. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2020</b> , 25, 04020018	1.8	0
2	Defining the range of ecological shelter zones in the shore zone of Three Gorges Reservoir, China. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2014</b> , 28, 1973-1984	3.5	
1	Derivation of the Spatial Distribution of Free Water Storage Capacity Based on Topographic Index. <i>Water (Switzerland)</i> , <b>2018</b> , 10, 1407	3	