Zhijia Li

List of Publications by Year in Descending Order

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	Improving flood simulation capability of the WRF-Hydro-RAPID model using a multi-source precipitation merging method. *Journal of Hydrology*, **2021**, 592, 125814	6	13
44	Improving the flood forecasting capability of the Xinanjiang model for small- and medium-sized ungauged catchments in South China. *Natural Hazards*, **2021**, 106, 2077-2109	3	1
43	Comparison of Missing Data Infilling Mechanisms for Recovering a Real-World Single Station Streamflow Observation. *International Journal of Environmental Research and Public Health*, **2021**, 18,	4.6	1
42	Improving the flood prediction capability of the Xin□njiang model by formulating a new physics-based routing framework and a key routing parameter estimation method. *Journal of Hydrology*, **2021**, 603, 126867	6	5
41	A New Runoff Routing Scheme for Xin□njiang Model and Its Routing Parameters Estimation Based on Geographical Information. *Water (Switzerland)*, **2020**, 12, 3429	3	1
40	Data-Driven Modeling and the Influence of Objective Function Selection on Model Performance in Limited Data Regions. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	1
39	Evaluation of Flood Prediction Capability of the WRF-Hydro Model Based on Multiple Forcing Scenarios. *Water (Switzerland)*, **2020**, 12, 874	3	8
38	Development of Topography-Based River Width Estimation Model for Medium-Sized Mountainous Watersheds. *Journal of Hydrologic Engineering - ASCE*, **2020**, 25, 04020018	1.8	0
37	The Applicability of LSTM-KNN Model for Real-Time Flood Forecasting in Different Climate Zones in China. *Water (Switzerland)*, **2020**, 12, 440	3	23
36	A hybrid runoff generation modelling framework based on spatial combination of three runoff generation schemes for semi-humid and semi-arid watersheds. *Journal of Hydrology*, **2020**, 590, 125440	6	30
35	GA-PIC: An improved Green-Ampt rainfall-runoff model with a physically based infiltration distribution curve for semi-arid basins. *Journal of Hydrology*, **2020**, 586, 124900	6	12
34	Flood Prediction in Ungauged Basins by Physical-Based TOPKAPI Model. *Advances in Meteorology*, **2019**, 2019, 1-16	1.7	4
33	Evaluation of flood prediction capability of the distributed Grid-Xinanjiang model driven by weather research and forecasting precipitation. *Journal of Flood Risk Management*, **2019**, 12,	3.1	8
32	Ground observation-based analysis of soil moisture spatiotemporal variability across a humid to semi-humid transitional zone in China. *Journal of Hydrology*, **2019**, 574, 903-914	6	74
31	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. *Journal of Flood Risk Management*, **2019**, 12,	3.1	20
30	Assessment and modelling of uncertainty in precipitation forecasts from TIGGE using fuzzy probability and Bayesian theory. *Journal of Hydrology*, **2019**, 577, 123995	6	9
29	Multiple hydrological models comparison and an improved Bayesian model averaging approach for ensemble prediction over semi-humid regions. *Stochastic Environmental Research and Risk Assessment*, **2019**, 33, 217-238	3.5	30

28	Applicability of Support Vector Machine and Artificial Neural Network for Flood Forecasting in Humid, Semi-Humid and Semi-Arid Basins in China. *Water (Switzerland)*, **2019**, 11, 85	3	26
27	Geographically weighted regression based methods for merging satellite and gauge precipitation. *Journal of Hydrology*, **2018**, 558, 275-289	6	121
26	Derivation of the Spatial Distribution of Free Water Storage Capacity Based on Topographic Index. *Water (Switzerland)*, **2018**, 10, 1407	3	
25	Improving TIGGE Precipitation Forecasts Using an SVR Ensemble Approach in the Huaihe River Basin. *Advances in Meteorology*, **2018**, 2018, 1-15	1.7	6
24	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. *Stochastic Environmental Research and Risk Assessment*, **2017**, 31, 1471-1484	3.5	11
23	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. *Atmospheric Science Letters*, **2017**, 18, 284-293	2.4	15
22	Applying a statistical method to streamflow reduction caused by underground mining for coal in the Kuye River basin. *Science China Technological Sciences*, **2016**, 59, 1911-1920	3.5	7
21	Spatial Combination Modeling Framework of Saturation-Excess and Infiltration-Excess Runoff for Semihumid Watersheds. *Advances in Meteorology*, **2016**, 2016, 1-15	1.7	10
20	Impact of DEM Resolution and Spatial Scale: Analysis of Influence Factors and Parameters on Physically Based Distributed Model. *Advances in Meteorology*, **2016**, 2016, 1-10	1.7	7
19	Flood Forecasting Based on TIGGE Precipitation Ensemble Forecast. *Advances in Meteorology*, **2016**, 2016, 1-9	1.7	6
18	Quantitative Estimation of the Impact of Precipitation and Land Surface Change on Hydrological Processes through Statistical Modeling. *Advances in Meteorology*, **2016**, 2016, 1-15	1.7	12
17	Coupling the k-nearest neighbor procedure with the Kalman filter for real-time updating of the hydraulic model in flood forecasting. *International Journal of Sediment Research*, **2016**, 31, 149-158	3	36
16	Event-based hydrological modeling for detecting dominant hydrological process and suitable model strategy for semi-arid catchments. *Journal of Hydrology*, **2016**, 542, 292-303	6	42
15	Improving event-based rainfall-runoff simulation using an ensemble artificial neural network based hybrid data-driven model. *Stochastic Environmental Research and Risk Assessment*, **2015**, 29, 1345-1370	3.5	46
14	Quantifying the Hydrological Response to Water Conservation Measures and Climatic Variability in the Yihe River Basin, China. *Outlook on Agriculture*, **2015**, 44, 273-282	2.9	4
13	Inter-annual variation of streamflow, precipitation and evaporation in a small humid watershed (Chengcun Basin, China). *Chinese Journal of Oceanology and Limnology*, **2014**, 32, 455-468		5
12	Defining the range of ecological shelter zones in the shore zone of Three Gorges Reservoir, China. *Stochastic Environmental Research and Risk Assessment*, **2014**, 28, 1973-1984	3.5	
11	Improving the flood prediction capability of the Xinanjiang model in ungauged nested catchments by coupling it with the geomorphologic instantaneous unit hydrograph. *Journal of Hydrology*, **2014**, 517, 1035-1048	6	68

10	Quantitative assessment of the impact of climate variability and human activities on runoff changes for the upper reaches of Weihe River. *Stochastic Environmental Research and Risk Assessment*, **2014**, 28, 333-346	3.5	69
9	Bayesian Statistic Forecasting Model for Middle-Term and Long-Term Runoff of a Hydropower Station. *Journal of Hydrologic Engineering - ASCE*, **2013**, 18, 1458-1463	1.8	12
8	A priori parameter estimates for a distributed, grid-based Xinanjiang model using geographically based information. *Journal of Hydrology*, **2012**, 468-469, 47-62	6	52
7	Application of developed Grid-GA distributed hydrologic model in semi-humid and semi-arid basin. *Transactions of Tianjin University*, **2010**, 16, 209-215	2.9	3
6	Coupling FEFLOW and MIKE11 to optimise the flooding system of the Lower Havel polders in Germany. *International Journal of Water*, **2009**, 5, 163	0.9	8
5	Analysis of stochastic characteristics of the Benue River flow process. *Chinese Journal of Oceanology and Limnology*, **2008**, 26, 142-151		5
4	Analysis of long-term dependence phenomenon in Benue River flow process and its hypothesis testing. *Chinese Journal of Oceanology and Limnology*, **2008**, 26, 313-322		1
3	Sedimentary records of large Holocene floods from the middle reaches of the Yellow River, China. *Geomorphology*, **2000**, 33, 73-88	4.3	96
2	Hydrological regionalisation based on available hydrological information for runoff prediction at catchment scale. *Proceedings of the International Association of Hydrological Sciences*,379, 13-19		5
1	Impact of rainfall spatiotemporal variability and model structures on flood simulation in semi-arid regions. *Stochastic Environmental Research and Risk Assessment*,1	3.5	2