Cheng

List of Publications by Year
in descending order

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16 papers	500 citations	686830 13 h-index	940134 16 g-index
16 all docs	16 docs citations	16 times ranked	375 citing authors

#	Article	IF	Citations
1	Evaluating performance dependency of a geomorphologic instantaneous unit hydrograph-based hydrological model on DEM resolution. Water Science and Engineering, 2022, 15, 179-188.	1.4	4
2	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.	1.6	17
3	Improving the flood prediction capability of the Xinâ€™anjiang model by formulating a new physics-based routing framework and a key routing parameter estimation method. Journal of Hydrology, 2021, 603, 126867.	2.3	17
4	A New Runoff Routing Scheme for Xinâ€™anjiang Model and Its Routing Parameters Estimation Based on Geographical Information. Water (Switzerland), 2020, 12, 3429.	1.2	4
5	Evaluation of Flood Prediction Capability of the WRF-Hydro Model Based on Multiple Forcing Scenarios. Water (Switzerland), 2020, 12, 874.	1.2	16
6	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.	2.3	30
7	Evaluation of flood prediction capability of the distributed Gridâ€Xinanjiang model driven by weather research and forecasting precipitation. Journal of Flood Risk Management, 2019, 12, .	1.6	24
8	Applicability assessment of the CASCade Two Dimensional SEDiment (CASC2Dâ€SED) distributed hydrological model for flood forecasting across four typical medium and small watersheds in China. Journal of Flood Risk Management, 2019, 12, .	1.6	32
9	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.	1.9	48
10	Derivation of the Spatial Distribution of Free Water Storage Capacity Based on Topographic Index. Water (Switzerland), 2018, 10, 1407.	1.2	2
11	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.	1.9	14
12	Spatial Combination Modeling Framework of Saturation-Excess and Infiltration-Excess Runoff for Semihumid Watersheds. Advances in Meteorology, 2016, 2016, 1-15.	0.6	15
13	Event-based hydrological modeling for detecting dominant hydrological process and suitable model strategy for semi-arid catchments. Journal of Hydrology, 2016, 542, 292-303.	2.3	56
14	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.	2.3	94
15	A priori parameter estimates for a distributed, grid-based Xinanjiang model using geographically based information. Journal of Hydrology, 2012, 468-469, 47-62.	2.3	67
16	Application of a Developed Grid-Xinanjiang Model to Chinese Watersheds for Flood Forecasting Purpose. Journal of Hydrologic Engineering - ASCE, 2009, 14, 923-934.	0.8	60