

Cheng

List of Publications by Year in descending order

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Version: 2024-02-01

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	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> , 2014, 517, 1035-1048.	2.3	94
2	A priori parameter estimates for a distributed, grid-based Xinanjiang model using geographically based information. <i>Journal of Hydrology</i> , 2012, 468-469, 47-62.	2.3	67
3	Application of a Developed Grid-Xinanjiang Model to Chinese Watersheds for Flood Forecasting Purpose. <i>Journal of Hydrologic Engineering - ASCE</i> , 2009, 14, 923-934.	0.8	60
4	Event-based hydrological modeling for detecting dominant hydrological process and suitable model strategy for semi-arid catchments. <i>Journal of Hydrology</i> , 2016, 542, 292-303.	2.3	56
5	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> , 2019, 33, 217-238.	1.9	48
6	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. <i>Journal of Flood Risk Management</i> , 2019, 12, .	1.6	32
7	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> , 2020, 586, 124900.	2.3	30
8	Evaluation of flood prediction capability of the distributed Gridâ€Xinanjiang model driven by weather research and forecasting precipitation. <i>Journal of Flood Risk Management</i> , 2019, 12, .	1.6	24
9	Improving the flood forecasting capability of the Xinanjiang model for small- and medium-sized ungauged catchments in South China. <i>Natural Hazards</i> , 2021, 106, 2077-2109.	1.6	17
10	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. <i>Journal of Hydrology</i> , 2021, 603, 126867.	2.3	17
11	Evaluation of Flood Prediction Capability of the WRF-Hydro Model Based on Multiple Forcing Scenarios. <i>Water (Switzerland)</i> , 2020, 12, 874.	1.2	16
12	Spatial Combination Modeling Framework of Saturation-Excess and Infiltration-Excess Runoff for Semihumid Watersheds. <i>Advances in Meteorology</i> , 2016, 2016, 1-15.	0.6	15
13	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> , 2017, 31, 1471-1484.	1.9	14
14	A New Runoff Routing Scheme for Xinâ€anjiang Model and Its Routing Parameters Estimation Based on Geographical Information. <i>Water (Switzerland)</i> , 2020, 12, 3429.	1.2	4
15	Evaluating performance dependency of a geomorphologic instantaneous unit hydrograph-based hydrological model on DEM resolution. <i>Water Science and Engineering</i> , 2022, 15, 179-188.	1.4	4
16	Derivation of the Spatial Distribution of Free Water Storage Capacity Based on Topographic Index. <i>Water (Switzerland)</i> , 2018, 10, 1407.	1.2	2