Xudong Zhou

List of Publications by Year
in descending order

31 papers	509 citations	686830 13 h-index	713013 21 g-index
45 all docs	45 docs citations	45 times ranked	626 citing authors

#	Article	IF	Citations
1	Human activities aggravate nitrogen-deposition pollution to inland water over China. National Science Review, 2020, 7, 430-440.	4.6	80
2	Global exposure to flooding from the new CMIP6 climate model projections. Scientific Reports, 2021, 11, 3740.	1.6	73
3	Impacts of climate change on flow regime and sequential threats to riverine ecosystem in the source region of the Yellow River. Environmental Earth Sciences, 2018, 77, 1.	1.3	34
4	How do the multiple large-scale climate oscillations trigger extreme precipitation?. Global and Planetary Change, 2017, 157, 48-58.	1.6	32
5	Spatio-temporal changes of precipitation and temperature over the Pearl River basin based on CMIP5 multi-model ensemble. Stochastic Environmental Research and Risk Assessment, 2017, 31, 1077-1089.	1.9	26
6	A probabilistic method for streamflow projection and associated uncertainty analysis in a data sparse alpine region. Global and Planetary Change, 2018, 165, 100-113.	1.6	26
7	The uncertainty of flood frequency analyses in hydrodynamic model simulations. Natural Hazards and Earth System Sciences, 2021, 21, 1071-1085.	1.5	22
8	Large-scale climate patterns and precipitation in an arid endorheic region: linkage and underlying mechanism. Environmental Research Letters, 2016, 11, 044006.	2.2	20
9	Irrigation, damming, and streamflow fluctuations of the Yellow River. Hydrology and Earth System Sciences, 2021, 25, 1133-1150.	1.9	19
10	Drought projection based on a hybrid drought index using Artificial Neural Networks. Hydrological Processes, 2015, 29, 2635-2648.	1.1	17
11	ORCHIDEE-ROUTING: revising the river routing scheme using a high-resolution hydrological database. Geoscientific Model Development, 2018, 11, 4965-4985.	1.3	16
12	Improvement of the Irrigation Scheme in the ORCHIDEE Land Surface Model and Impacts of Irrigation on Regional Water Budgets Over China. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS001770.	1.3	15
13	Natural radioactivity in groundwater from the south-eastern Arabian Peninsula and environmental implications. Environmental Monitoring and Assessment, 2014, 186, 6157-6167.	1.3	13
14	Application of Rn-222 isotope for the interaction between surface water and groundwater in the Source Area of the Yellow River. Hydrology Research, 2016, 47, 1253-1262.	1.1	13
15	A revised range of variability approach considering the morphological alteration of hydrological indicators. Stochastic Environmental Research and Risk Assessment, 2021, 35, 1783-1803.	1.9	12
16	Prospective scenarios of the saltwater intrusion in an estuary under climate change context using Bayesian neural networks. Stochastic Environmental Research and Risk Assessment, 2017, 31, 981-991.	1.9	10
17	Joint Spatial and Temporal Modeling for Hydrological Prediction. IEEE Access, 2020, 8, 78492-78503.	2.6	10
18	Toward Improved Comparisons Between Land-Surface-Water-Area Estimates From a Global River Model and Satellite Observations. Water Resources Research, 2021, 57, e2020WR029256.	1.7	9

#	Article	IF	Citations
19	Representing Human Water Management in a Land Surface Model Using a Supply/Demand Approach. Water Resources Research, 2021, 57, e2020WR028133.	1.7	8
20	Probabilistic modeling and uncertainty estimation of urban water consumption under an incompletely informational circumstance. Stochastic Environmental Research and Risk Assessment, 2016, 30, 725-736.	1.9	6
21	Rainfallâ€"Runoff Processes and Modelling in Regions Characterized by Deficiency in Soil Water Storage. Water (Switzerland), 2019, 11, 1858.	1.2	6
22	Decreases in days with sudden day-to-day temperature change in the warming world. Global and Planetary Change, 2020, 192, 103239.	1.6	6
23	Understanding the water cycle over the upper Tarim Basin: retrospecting the estimated discharge bias to atmospheric variables and model structure. Hydrology and Earth System Sciences, 2018, 22, 6087-6108.	1.9	4
24	A new uncertainty estimation approach with multiple datasets and implementation for various precipitation products. Hydrology and Earth System Sciences, 2020, 24, 2061-2081.	1.9	4
25	Potential of a SAR Small-Satellite Constellation for Rapid Monitoring of Flood Extent. Remote Sensing, 2021, 13, 1959.	1.8	4
26	Quality assessment of groundwater from the south-eastern Arabian Peninsula. Environmental Monitoring and Assessment, 2017, 189, 411.	1.3	3
27	A New Uncertainty Measure for Assessing the Uncertainty Existing in Hydrological Simulation. Water (Switzerland), 2019, 11, 812.	1.2	3
28	Global integrated modeling framework of riverine dissolved inorganic nitrogen with seasonal variation. Hydrological Research Letters, 2021, 15, 50-57.	0.3	3
29	Correction of River Bathymetry Parameters Using the Stageâ€"Discharge Rating Curve. Water Resources Research, 2022, 58, .	1.7	3
30	Distribution and sources of 226Ra in groundwater of arid region. Journal of Radioanalytical and Nuclear Chemistry, 2015, 309, 667.	0.7	2
31	POSSIBILITY OF HIGH-FREQUENCY OBSERVATION OF INUNDATION AREA BY SMALL SAR SATELLITES CONSTELLATION. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2020, 76, I_535-I_540.	0.0	0