Xudong Zhou

List of Publications by Year
in descending order

31	509	686830 13	713013 21
papers	citations	h-index	g-index

45	45	45	626
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Correction of River Bathymetry Parameters Using the Stageâ€“Discharge Rating Curve. Water Resources Research, 2022, 58, .	1.7	3
2	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
3	Global exposure to flooding from the new CMIP6 climate model projections. Scientific Reports, 2021, 11, 3740.	1.6	73
4	The uncertainty of flood frequency analyses in hydrodynamic model simulations. Natural Hazards and Earth System Sciences, 2021, 21, 1071-1085.	1.5	22
5	Irrigation, damming, and streamflow fluctuations of the Yellow River. Hydrology and Earth System Sciences, 2021, 25, 1133-1150.	1.9	19
6	Representing Human Water Management in a Land Surface Model Using a Supply/Demand Approach. Water Resources Research, 2021, 57, e2020WR028133.	1.7	8
7	Potential of a SAR Small-Satellite Constellation for Rapid Monitoring of Flood Extent. Remote Sensing, 2021, 13, 1959.	1.8	4
8	Toward Improved Comparisons Between Landâ€Surfaceâ€Waterâ€Area Estimates From a Global River Model and Satellite Observations. Water Resources Research, 2021, 57, e2020WR029256.	1.7	9
9	Global integrated modeling framework of riverine dissolved inorganic nitrogen with seasonal variation. Hydrological Research Letters, 2021, 15, 50-57.	0.3	3
10	Human activities aggravate nitrogen-deposition pollution to inland water over China. National Science Review, 2020, 7, 430-440.	4.6	80
11	Decreases in days with sudden day-to-day temperature change in the warming world. Global and Planetary Change, 2020, 192, 103239.	1.6	6
12	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
13	Joint Spatial and Temporal Modeling for Hydrological Prediction. IEEE Access, 2020, 8, 78492-78503.	2.6	10
14	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
15	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
16	Rainfallâ€“Runoff Processes and Modelling in Regions Characterized by Deficiency in Soil Water Storage. Water (Switzerland), 2019, 11, 1858.	1.2	6
17	A New Uncertainty Measure for Assessing the Uncertainty Existing in Hydrological Simulation. Water (Switzerland), 2019, 11, 812.	1.2	3
18	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

#	Article	IF	Citations
19	ORCHIDEE-ROUTING: revising the river routing scheme using a high-resolution hydrological database. Geoscientific Model Development, 2018, 11, 4965-4985.	1.3	16
20	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
21	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
22	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
23	How do the multiple large-scale climate oscillations trigger extreme precipitation?. Global and Planetary Change, 2017, 157, 48-58.	1.6	32
24	Quality assessment of groundwater from the south-eastern Arabian Peninsula. Environmental Monitoring and Assessment, 2017, 189, 411.	1.3	3
25	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
26	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
27	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
28	Large-scale climate patterns and precipitation in an arid endorheic region: linkage and underlying mechanism. Environmental Research Letters, 2016, 11, 044006.	2.2	20
29	Distribution and sources of 226Ra in groundwater of arid region. Journal of Radioanalytical and Nuclear Chemistry, 2015, 309, 667.	0.7	2
30	Drought projection based on a hybrid drought index using Artificial Neural Networks. Hydrological Processes, 2015, 29, 2635-2648.	1.1	17
31	Natural radioactivity in groundwater from the south-eastern Arabian Peninsula and environmental implications. Environmental Monitoring and Assessment, 2014, 186, 6157-6167.	1.3	13