

Yunqing Xuan

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,063
citations

687220

13
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526166

27
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39
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39
docs citations

39
times ranked

1588
citing authors

#	ARTICLE	IF	CITATIONS
1	Global sensitivity analysis in hydrological modeling: Review of concepts, methods, theoretical framework, and applications. <i>Journal of Hydrology</i> , 2015, 523, 739-757.	2.3	386
2	Rapid urbanization and changes in spatiotemporal characteristics of precipitation in Beijing metropolitan area. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 11,250.	1.2	104
3	Future hydrology and climate in the River Nile basin: a review. <i>Hydrological Sciences Journal</i> , 2011, 56, 199-211.	1.2	98
4	Uncertainty analysis of hydrological ensemble forecasts in a distributed model utilising short-range rainfall prediction. <i>Hydrology and Earth System Sciences</i> , 2009, 13, 293-303.	1.9	65
5	Grid box-level evaluation of IMERG over Brazil at various space and time scales. <i>Atmospheric Research</i> , 2019, 218, 231-244.	1.8	59
6	The performance of the IMERG satellite-based product in identifying sub-daily rainfall events and their properties. <i>Journal of Hydrology</i> , 2020, 589, 125128.	2.3	50
7	Simulating the Impact of Climate Change on Runoff in a Typical River Catchment of the Loess Plateau, China. <i>Journal of Hydrometeorology</i> , 2013, 14, 1553-1561.	0.7	40
8	Spatio-temporal assessment of meteorological drought under the influence of varying record length: the case of Upper Blue Nile Basin, Ethiopia. <i>Hydrological Sciences Journal</i> , 0, , 1-16.	1.2	39
9	An effective depression filling algorithm for DEM-based 2-D surface flow modelling. <i>Hydrology and Earth System Sciences</i> , 2013, 17, 495-505.	1.9	25
10	Hydrological appraisal of operational weather radar rainfall estimates in the context of different modelling structures. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 257-272.	1.9	19
11	An improved rainfall-threshold approach for robust prediction and warning of flood and flash flood hazards. <i>Natural Hazards</i> , 2021, 105, 2409-2429.	1.6	17
12	What Large Sample Size Is Sufficient for Hydrologic Frequency Analysis?â€”A Rational Argument for a 30-Year Hydrologic Sample Size in Water Resources Management. <i>Water (Switzerland)</i> , 2018, 10, 430.	1.2	16
13	Improving River Flow Simulation Using a Coupled Surface-Groundwater Model for Integrated Water Resources Management. , 0, , .		15
14	Regional-scale evaluation of 14 satellite-based precipitation products in characterising extreme events and delineating rainfall thresholds for flood hazards. <i>Atmospheric Research</i> , 2022, 276, 106259.	1.8	15
15	Rainfall uncertainty for extreme events in NWP downscaling model. <i>Hydrological Processes</i> , 2011, 25, 1397-1406.	1.1	14
16	Quantile Regression Based Methods for Investigating Rainfall Trends Associated with Flooding and Drought Conditions. <i>Water Resources Management</i> , 2019, 33, 4249-4264.	1.9	14
17	Impacts of urbanization on precipitation patterns in the greater Beijingâ€”Tianjinâ€”Hebei metropolitan region in northern China. <i>Environmental Research Letters</i> , 2021, 16, 014042.	2.2	13
18	Development of a New Quantile-Based Method for the Assessment of Regional Water Resources in a Highly-Regulated River Basin. <i>Water Resources Management</i> , 2019, 33, 3187-3210.	1.9	11

#	ARTICLE	IF	CITATIONS
19	Impact of Precipitation Pre-Processing Methods on Hydrological Model Performance using High-Resolution Gridded Dataset. <i>Water (Switzerland)</i> , 2020, 12, 840.	1.2	10
20	Modelling Fertilizer Use in Relation to Farmers' Household Characteristics in Three Gorges Reservoir Area, China. <i>Agriculture (Switzerland)</i> , 2021, 11, 472.	1.4	10
21	A Flood Risk Framework Capturing the Seasonality of and Dependence Between Rainfall and Sea Levels—An Application to Ho Chi Minh City, Vietnam. <i>Water Resources Research</i> , 2022, 58, .	1.7	9
22	Precipitation forecasts for rainfall runoff predictions. A case study in poorly gauged Ribb and Gumara catchments, upper Blue Nile, Ethiopia. <i>Physics and Chemistry of the Earth</i> , 2013, 61-62, 43-51.	1.2	8
23	Analysis and simulation of the influencing factors on regional water use based on information entropy. <i>Water Policy</i> , 2012, 14, 1033-1046.	0.7	6
24	SRS-GDA: A spatial random sampling toolbox for grid-based hydro-climatic data analysis in environmental change studies. <i>Environmental Modelling and Software</i> , 2020, 124, 104598.	1.9	5
25	Spatial Variation of Extreme Rainfall Observed From Two Century-Long Datasets. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091933.	1.5	4
26	Spatial variation of catchment-oriented extreme rainfall in England and Wales. <i>Atmospheric Research</i> , 2022, 266, 105968.	1.8	4
27	Coupled hydro-meteorological modelling on a HPC platform for high-resolution extreme weather impact study. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 4707-4715.	1.9	2
28	A satellite-based approach to estimating spatially distributed groundwater recharge rates in a tropical wet sedimentary region despite cloudy conditions. <i>Journal of Hydrology</i> , 2022, 607, 127503.	2.3	2
29	Uncertainty Propagation in Ensemble Rainfall Prediction Systems used for Operational Real-Time Flood Forecasting. <i>Water Science and Technology Library</i> , 2009, , 437-447.	0.2	1
30	Parameter Selection for Phase Space Reconstruction in Hydrological Series and Rationality Analysis of its Chaotic Characteristics. , 0, , .		1