Jun Niu

List of Publications by Year
in descending order

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54	1,256	304743	395702
papers	citations	22 h-index	33 g-index

57	57	57	1252
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A new method and a new index for identifying socioeconomic drought events under climate change: A case study of the East River basin in China. Science of the Total Environment, 2018, 616-617, 363-375.	8.0	81
2	Parameter Uncertainty Analysis of the SWAT Model in a Mountain-Loess Transitional Watershed on the Chinese Loess Plateau. Water (Switzerland), 2018, 10, 690.	2.7	70
3	Exploration of drought evolution using numerical simulations over the Xijiang (West River) basin in South China. Journal of Hydrology, 2015, 526, 68-77.	5.4	69
4	Precipitation in the Pearl River basin, South China: scaling, regional patterns, and influence of large-scale climate anomalies. Stochastic Environmental Research and Risk Assessment, 2013, 27, 1253-1268.	4.0	64
5	A new technique to estimate regional irrigation water demand and driving factor effects using an improved SWAT model with LMDI factor decomposition in an arid basin. Journal of Cleaner Production, 2018, 185, 814-828.	9.3	55
6	Terrestrial hydrological features of the Pearl River basin in South China. Journal of Hydro-Environment Research, 2010, 4, 279-288.	2.2	42
7	Regional climate change and local urbanization effects on weather variables in Southeast China. Stochastic Environmental Research and Risk Assessment, 2011, 25, 555-565.	4.0	42
8	Irrigation water productivity is more influenced by agronomic practice factors than by climatic factors in Hexi Corridor, Northwest China. Scientific Reports, 2016, 6, 37971.	3.3	41
9	Spatio-temporal distribution of irrigation water productivity and its driving factors for cereal crops in Hexi Corridor, Northwest China. Agricultural Water Management, 2017, 179, 55-63.	5.6	40
10	Effects of irrigation on water and energy balances in the Heihe River basin using VIC model under different irrigation scenarios. Science of the Total Environment, 2018, 645, 1183-1193.	8.0	40
11	Effect of drip irrigation on wheat evapotranspiration, soil evaporation and transpiration in Northwest China. Agricultural Water Management, 2020, 232, 106001.	5.6	40
12	The contribution of human agricultural activities to increasing evapotranspiration is significantly greater than climate change effect over Heihe agricultural region. Scientific Reports, 2017, 7, 8805.	3.3	39
13	Teleconnection analysis of runoff and soil moisture over the Pearl River basin in southern China. Hydrology and Earth System Sciences, 2014, 18, 1475-1492.	4.9	38
14	The response of crop water productivity to climatic variation in the upper-middle reaches of the Heihe River basin, Northwest China. Journal of Hydrology, 2018, 563, 909-926.	5.4	36
15	A comparative study of models for short-term streamflow forecasting with emphasis on wavelet-based approach. Stochastic Environmental Research and Risk Assessment, 2019, 33, 1875-1891.	4.0	33
16	Type-2 fuzzy mixed-integer bi-level programming approach for multi-source multi-user water allocation under future climate change. Journal of Hydrology, 2020, 591, 125332.	5.4	27
17	Crop production in the Hexi Corridor challenged by future climate change. Journal of Hydrology, 2019, 579, 124197.	5.4	26
18	Improving the representation of stomatal responses to CO2 within the Penmanâ€“Monteith model to better estimate evapotranspiration responses to climate change. Journal of Hydrology, 2019, 572, 692-705.	5.4	26

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19	Scale-dependent synthetic streamflow generation using a continuous wavelet transform. Journal of Hydrology, 2013, 496, 71-78.	5.4	25
20	A wavelet perspective on variabilities of hydrological processes in conjunction with geomorphic analysis over the Pearl River basin in South China. Journal of Hydrology, 2016, 542, 392-409.	5.4	25
21	Environmental burdens of groundwater extraction for irrigation over an inland river basin in Northwest China. Journal of Cleaner Production, 2019, 222, 182-192.	9.3	25
22	Impacts of increased CO2 on the hydrologic response over the Xijiang (West River) basin, South China. Journal of Hydrology, 2013, 505, 218-227.	5.4	23
23	Study of runoff response to land use change in the East River basin in South China. Stochastic Environmental Research and Risk Assessment, 2014, 28, 857-865.	4.0	22
24	Multi-scale streamflow variability responses to precipitation over the headwater catchments in southern China. Journal of Hydrology, 2017, 551, 14-28.	5.4	22
25	Vulnerability analysis based on drought and vegetation dynamics. Ecological Indicators, 2019, 105, 329-336.	6.3	21
26	Untangling the effects of future climate change and human activity on evapotranspiration in the Heihe agricultural region, Northwest China. Journal of Hydrology, 2020, 585, 124323.	5.4	21
27	Time-lag effects of vegetation responses to soil moisture evolution: a case study in the Xijiang basin in South China. Stochastic Environmental Research and Risk Assessment, 2018, 32, 2423-2432.	4.0	20
28	Model Estimates of China's Terrestrial Water Storage Variation Due To Reservoir Operation. Water Resources Research, 2022, 58, .	4.2	20
29	Applying uncertain programming model to improve regional farming economic benefits and water productivity. Agricultural Water Management, 2017, 179, 352-365.	5.6	19
30	Assessing future socioeconomic drought events under a changing climate over the Pearl River basin in South China. Journal of Hydrology: Regional Studies, 2020, 30, 100700.	2.4	19
31	Attribution of Runoff Reduction in the Juma River Basin to Climate Variation, Direct Human Intervention, and Land Use Change. Water (Switzerland), 2018, 10, 1775.	2.7	18
32	Accessing future crop yield and crop water productivity over the Heihe River basin in northwest China under a changing climate. Geoscience Letters, 2021, 8, .	3.3	16
33	Entropy-Based Investigation on the Precipitation Variability over the Hexi Corridor in China. Entropy, 2017, 19, 660.	2.2	15
34	Study on streamflow response to land use change over the upper reaches of Zhanghe Reservoir in the Yangtze River basin. Geoscience Letters, 2020, 7, .	3.3	14
35	Spatial optimization of cropping pattern in the upper-middle reaches of the Heihe River basin, Northwest China. Agricultural Water Management, 2022, 264, 107479.	5.6	14
36	Terrestrial hydrological responses to precipitation variability in Southwest China with emphasis on drought. Hydrological Sciences Journal, 2014, 59, 325-335.	2.6	12

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37	Application of Vic and A Routing Scheme to Pearl River Basin in South China. , 2009, , 72-76.		11
38	Prediction of vegetation anomalies over an inland river basin in northâ€western <scp>C</scp>hina. Hydrological Processes, 2018, 32, 1814-1827.	2.6	10
39	Effects of elevated CO2 on the evapotranspiration over the agricultural land in Northwest China. Journal of Hydrology, 2021, 593, 125858.	5.4	10
40	Amplified warming induced by large-scale application of water-saving techniques. Environmental Research Letters, 2022, 17, 034018.	5.2	10
41	Coherent modes in multiâ€scale variability of precipitation over the headwater catchments in the Pearl River basin, South China. Hydrological Processes, 2017, 31, 948-955.	2.6	9
42	The Implication of Climate Signal for Precipitation in the Heihe River Basin, Northwest China. Advances in Meteorology, 2016, 2016, 1-9.	1.6	6
43	Facing Water Stress in a Changing Climate: A Case Study of Drought Risk Analysis Under Future Climate Projections in the Xi River Basin, China. Frontiers in Earth Science, 2020, 8, .	1.8	6
44	A hybrid PCA-SEM-ANN model for the prediction of water use efficiency. Ecological Modelling, 2021, 460, 109754.	2.5	6
45	Water Resources of Mainland China. , 2013, , 195-211.		4
46	Towards a greater awareness for drought mitigation in China. Stochastic Environmental Research and Risk Assessment, 2022, 36, 1669-1687.	4.0	4
47	Water-carbon relationships and variations from the canopy to ecosystem scale in a sparse vineyard in the northwest China. Journal of Hydrology, 2021, 600, 126469.	5.4	4
48	Daily anomalous high flow (DAHF) of a headwater catchment over the East River basin in South China. Journal of Hydrology, 2014, 519, 284-294.	5.4	3
49	Regionalization of Daily Soil Moisture Dynamics Using Wavelet-Based Multiscale Entropy and Principal Component Analysis. Entropy, 2019, 21, 548.	2.2	3
50	Towards crop yield estimation at a finer spatial resolution using machine learning methods over agricultural regions. Theoretical and Applied Climatology, 2021, 146, 1387-1401.	2.8	3
51	Effects of Mulching on Maize Yield and Evapotranspiration in the Heihe River Basin, Northwest China. Remote Sensing, 2022, 14, 700.	4.0	3
52	A hybrid prediction model for wind speed using support vector machine and genetic programming in conjunction with error compensation. Stochastic Environmental Research and Risk Assessment, 0, , 1.	4.0	2
53	Building the new international science of the agricultureâ€“foodâ€“waterâ€“environment nexus in china and the world. Ecosystem Health and Sustainability, 2016, 2, .	3.1	1
54	Parameter estimation of Nash IUH for multiple storm events using particle swarm optimization method. Journal of Physics: Conference Series, 2021, 2035, 012011.	0.4	1