

Siao Sun

List of Publications by Year in descending order

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37
papers

2,055
citations

394421

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330143

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docs citations

39
times ranked

2048
citing authors

#	ARTICLE	IF	CITATIONS
1	The Effect of Economic Growth, Urbanization, and Industrialization on Fine Particulate Matter (PM _{2.5}) Concentrations in China. <i>Environmental Science & Technology</i> , 2016, 50, 11452-11459.	10.0	280
2	Pollution exacerbates China's water scarcity and its regional inequality. <i>Nature Communications</i> , 2020, 11, 650.	12.8	260
3	The varying driving forces of urban expansion in China: Insights from a spatial-temporal analysis. <i>Landscape and Urban Planning</i> , 2018, 174, 63-77.	7.5	239
4	Droughts in East Africa: Causes, impacts and resilience. <i>Earth-Science Reviews</i> , 2019, 193, 146-161.	9.1	210
5	Modeling regional sustainable development scenarios using the Urbanization and Eco-environment Coupler: Case study of Beijing-Tianjin-Hebei urban agglomeration, China. <i>Science of the Total Environment</i> , 2019, 689, 820-830.	8.0	154
6	Global impacts of future urban expansion on terrestrial vertebrate diversity. <i>Nature Communications</i> , 2022, 13, 1628.	12.8	103
7	PM2.5 mitigation in China: Socioeconomic determinants of concentrations and differential control policies. <i>Journal of Environmental Management</i> , 2018, 213, 47-55.	7.8	97
8	Unraveling the effect of inter-basin water transfer on reducing water scarcity and its inequality in China. <i>Water Research</i> , 2021, 194, 116931.	11.3	76
9	Long-term spatiotemporal variation of drought patterns over the Greater Horn of Africa. <i>Science of the Total Environment</i> , 2020, 704, 135299.	8.0	72
10	Spatial inequality of water footprint in China: A detailed decomposition of inequality from water use types and drivers. <i>Journal of Hydrology</i> , 2017, 553, 398-407.	5.4	65
11	Spatial and Temporal Variation of NDVI in Response to Climate Change and the Implication for Carbon Dynamics in Nepal. <i>Forests</i> , 2018, 9, 329.	2.1	58
12	Water footprints in Beijing, Tianjin and Hebei: A perspective from comparisons between urban and rural consumptions in different regions. <i>Science of the Total Environment</i> , 2019, 647, 507-515.	8.0	40
13	Long-term stormwater quantity and quality analysis using continuous measurements in a French urban catchment. <i>Water Research</i> , 2015, 85, 432-442.	11.3	38
14	Global assessment of future sectoral water scarcity under adaptive inner-basin water allocation measures. <i>Science of the Total Environment</i> , 2021, 783, 146973.	8.0	38
15	Water use trend analysis: A non-parametric method for the environmental Kuznets curve detection. <i>Journal of Cleaner Production</i> , 2018, 172, 497-507.	9.3	34
16	Projected Changes in Extreme High Temperature and Heat Stress in China. <i>Journal of Meteorological Research</i> , 2018, 32, 351-366.	2.4	34
17	Separately accounting for uncertainties in rainfall and runoff: Calibration of event-based conceptual hydrological models in small urban catchments using Bayesian method. <i>Water Resources Research</i> , 2013, 49, 5381-5394.	4.2	24
18	Identifying hydro-climatic and socioeconomic forces of water scarcity through structural decomposition analysis: A case study of Beijing city. <i>Science of the Total Environment</i> , 2019, 687, 590-600.	8.0	24

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19	Factors governing variations of provincial consumption-based water footprints in China: An analysis based on comparison with national average. <i>Science of the Total Environment</i> , 2019, 654, 914-923.	8.0	22
20	Selection of relevant input variables in storm water quality modeling by multiobjective evolutionary polynomial regression paradigm. <i>Water Resources Research</i> , 2016, 52, 2403-2419.	4.2	20
21	Tele-connecting water consumption in Tibet: Patterns and socio-economic driving factors for virtual water trades. <i>Journal of Cleaner Production</i> , 2019, 233, 1250-1258.	9.3	19
22	Domestic Groundwater Depletion Supports China's Full Supply Chains. <i>Water Resources Research</i> , 2022, 58, .	4.2	15
23	Comprehensive simulation of resources and environment carrying capacity for urban agglomeration: A system dynamics approach. <i>Ecological Indicators</i> , 2022, 138, 108874.	6.3	14
24	Comparison of two model based approaches for areal rainfall estimation in urban hydrology. <i>Journal of Hydrology</i> , 2014, 511, 880-890.	5.4	13
25	Groundwater Level Analysis Using Regional Kendall Test for Trend with Spatial Autocorrelation. <i>Ground Water</i> , 2019, 57, 320-328.	1.3	12
26	Using a Bayesian approach to improve and calibrate a dynamic model of polycyclic aromatic hydrocarbons degradation in an industrial contaminated soil. <i>Environmental Pollution</i> , 2016, 215, 27-37.	7.5	11
27	Spatially distinct effects of preceding precipitation on heat stress over eastern China. <i>Environmental Research Letters</i> , 2017, 12, 115010.	5.2	11
28	China's Land Uses in the Multi-Region Input-Output Framework. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2940.	2.6	11
29	The asymmetric impact of abundant preceding rainfall on heat stress in low latitudes. <i>Environmental Research Letters</i> , 2019, 14, 044010.	5.2	11
30	Reducing Climate Change Induced Flood at the Cost of Hydropower in the Lancang-Mekong River Basin. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094243.	4.0	11
31	Urban hydrologic trend analysis based on rainfall and runoff data analysis and conceptual model calibration. <i>Hydrological Processes</i> , 2017, 31, 1349-1359.	2.6	10
32	Freshwater use in China: relations to economic development and natural water resources availability. <i>International Journal of Water Resources Development</i> , 2020, 36, 738-756.	2.0	9
33	A Bayesian method for missing rainfall estimation using a conceptual rainfall-runoff model. <i>Hydrological Sciences Journal</i> , 2017, 62, 2456-2468.	2.6	6
34	A Comparative Study of Urban Park Preferences in China and The Netherlands. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 4632.	2.6	5
35	Public perceptions of physical and virtual water in China. <i>Science of the Total Environment</i> , 2022, 812, 151460.	8.0	3
36	Global pattern and drivers of water scarcity research: a combined bibliometric and geographic detector study. <i>Environmental Monitoring and Assessment</i> , 2022, 194, .	2.7	3

#	ARTICLE	IF	CITATIONS
37	Hydrological evaluation of satellite and reanalysis-based rainfall estimates over the Upper Tekeze Basin, Ethiopia. Hydrology Research, 2022, 53, 584-604.	2.7	2