

Ranran Wang

List of Publications by Year in descending order

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papers

918
citations

430754

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713332

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times ranked

1189
citing authors

#	ARTICLE	IF	CITATIONS
1	Consequential Environmental and Economic Life Cycle Assessment of Green and Gray Stormwater Infrastructures for Combined Sewer Systems. <i>Environmental Science & Technology</i> , 2013, 47, 11189-11198.	4.6	120
2	Energy-Water Nexus Analysis of Enhanced Water Supply Scenarios: A Regional Comparison of Tampa Bay, Florida, and San Diego, California. <i>Environmental Science & Technology</i> , 2014, 48, 5883-5891.	4.6	94
3	Hybrid Analysis of Blue Water Consumption and Water Scarcity Implications at the Global, National, and Basin Levels in an Increasingly Globalized World. <i>Environmental Science & Technology</i> , 2016, 50, 5143-5153.	4.6	84
4	Environmental-social-economic footprints of consumption and trade in the Asia-Pacific region. <i>Nature Communications</i> , 2020, 11, 4490.	5.8	76
5	A technology-based analysis of the water-energy-emission nexus of China's steel industry. <i>Resources, Conservation and Recycling</i> , 2017, 124, 116-128.	5.3	61
6	High sensitivity of metal footprint to national GDP in part explained by capital formation. <i>Nature Geoscience</i> , 2018, 11, 269-273.	5.4	57
7	Economic and Environmental Assessment of Office Building Rainwater Harvesting Systems in Various U.S. Cities. <i>Environmental Science & Technology</i> , 2015, 49, 1768-1778.	4.6	53
8	Preferential adsorption of selenium oxyanions onto {110} and {011} nano-hematite facets. <i>Journal of Colloid and Interface Science</i> , 2019, 537, 465-474.	5.0	40
9	Freshwater Vulnerability beyond Local Water Stress: Heterogeneous Effects of Water-Electricity Nexus Across the Continental United States. <i>Environmental Science & Technology</i> , 2017, 51, 9899-9910.	4.6	38
10	(Virtual) Water Flows Uphill toward Money. <i>Environmental Science & Technology</i> , 2016, 50, 12320-12330.	4.6	34
11	Water scarcity risks mitigated or aggravated by the inter-regional electricity transmission across China. <i>Applied Energy</i> , 2019, 238, 413-422.	5.1	34
12	Water-saving agriculture can deliver deep water cuts for China. <i>Resources, Conservation and Recycling</i> , 2020, 154, 104578.	5.3	34
13	Nexus Strength: A Novel Metric for Assessing the Global Resource Nexus. <i>Journal of Industrial Ecology</i> , 2018, 22, 1473-1486.	2.8	33
14	Strategic design and finance of rainwater harvesting to cost-effectively meet large-scale urban water infrastructure needs. <i>Water Research</i> , 2020, 184, 116063.	5.3	29
15	A system dynamics approach for urban water reuse planning: a case study from the Great Lakes region. <i>Stochastic Environmental Research and Risk Assessment</i> , 2013, 27, 675-691.	1.9	27
16	Energy system decarbonization and productivity gains reduced the coupling of CO2 emissions and economic growth in 73 countries between 1970 and 2016. <i>One Earth</i> , 2021, 4, 1614-1624.	3.6	23
17	Method for endogenizing capital in the United States Environmentally-Extended Input-Output model. <i>Journal of Industrial Ecology</i> , 2019, 23, 1410-1424.	2.8	22
18	A hybrid multi-regional input-output model of China: Integrating the physical agricultural biomass and food system into the monetary supply chain. <i>Resources, Conservation and Recycling</i> , 2022, 177, 105981.	5.3	19

#	ARTICLE	IF	CITATIONS
19	Agricultural infrastructure: The forgotten key driving force of crop-related water footprints and virtual water flows in China. <i>Journal of Cleaner Production</i> , 2021, 309, 127455.	4.6	18
20	Linking the Environmental Pressures of China's Capital Development to Global Final Consumption of the Past Decades and into the Future. <i>Environmental Science & Technology</i> , 2021, 55, 6421-6429.	4.6	16
21	Effects of production fragmentation and inter-provincial trade on spatial blue water consumption and scarcity patterns in China. <i>Journal of Cleaner Production</i> , 2022, 334, 130186.	4.6	5