

Jianchuan Qi

List of Publications by Year in descending order

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36
papers

1,159
citations

393982

19
h-index

395343

33
g-index

36
all docs

36
docs citations

36
times ranked

916
citing authors

#	ARTICLE	IF	CITATIONS
1	Trans-provincial health impacts of atmospheric mercury emissions in China. <i>Nature Communications</i> , 2019, 10, 1484.	5.8	126
2	Scarcity-weighted fossil fuel footprint of China at the provincial level. <i>Applied Energy</i> , 2020, 258, 114081.	5.1	95
3	Sustainability evaluation based on the Three-dimensional Ecological Footprint and Human Development Index: A case study on the four island regions in China. <i>Journal of Environmental Management</i> , 2020, 265, 110509.	3.8	90
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	Spatially explicit analysis identifies significant potential for bioenergy with carbon capture and storage in China. <i>Nature Communications</i> , 2021, 12, 3159.	5.8	58
6	From payments for ecosystem services to eco-compensation: Conceptual change or paradigm shift?. <i>Science of the Total Environment</i> , 2020, 700, 134627.	3.9	57
7	Primary Suppliers Driving Atmospheric Mercury Emissions through Global Supply Chains. <i>One Earth</i> , 2019, 1, 254-266.	3.6	50
8	Reducing Carbon Footprint Inequality of Household Consumption in Rural Areas: Analysis from Five Representative Provinces in China. <i>Environmental Science & Technology</i> , 2021, 55, 11511-11520.	4.6	50
9	Sustainability of the use of natural capital in a city: Measuring the size and depth of urban ecological and water footprints. <i>Science of the Total Environment</i> , 2018, 631-632, 476-484.	3.9	49
10	Quantifying Direct and Indirect Spatial Food-Energy-Water (FEW) Nexus in China. <i>Environmental Science & Technology</i> , 2020, 54, 9791-9803.	4.6	46
11	Exploring the formulation of ecological management policies by quantifying interregional primary ecosystem service flows in Yangtze River Delta region, China. <i>Journal of Environmental Management</i> , 2021, 284, 112042.	3.8	40
12	China's retrofitting measures in coal-fired power plants bring significant mercury-related health benefits. <i>One Earth</i> , 2020, 3, 777-787.	3.6	37
13	Environmental performance of straw-based pulp making: A life cycle perspective. <i>Science of the Total Environment</i> , 2018, 616-617, 753-762.	3.9	35
14	CO ₂ Emissions Embodied in International Migration from 1995 to 2015. <i>Environmental Science & Technology</i> , 2020, 54, 12530-12538.	4.6	34
15	Has China's war on pollution reduced employment? Quasi-experimental evidence from the Clean Air Action. <i>Journal of Environmental Management</i> , 2020, 260, 109851.	3.8	34
16	Key transmission sectors of energy-water-carbon nexus pressures in Shanghai, China. <i>Journal of Cleaner Production</i> , 2019, 225, 27-35.	4.6	31
17	Global timber harvest footprints of nations and virtual timber trade flows. <i>Journal of Cleaner Production</i> , 2020, 250, 119503.	4.6	30
18	Saving less in China facilitates global CO ₂ mitigation. <i>Nature Communications</i> , 2020, 11, 1358.	5.8	24

#	ARTICLE	IF	CITATIONS
19	Spatially Explicit Global Hotspots Driving China's Mercury Related Health Impacts. <i>Environmental Science & Technology</i> , 2020, 54, 14547-14557.	4.6	19
20	Critical provincial transmission sectors for carbon dioxide emissions in China. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 149, 111415.	8.2	19
21	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
22	Circular economy pattern of livestock manure management in Longyou, China. <i>Journal of Material Cycles and Waste Management</i> , 2018, 20, 1050-1062.	1.6	15
23	Streamflow in the Columbia River Basin: Quantifying Changes Over the Period 1951-2008 and Determining the Drivers of Those Changes. <i>Water Resources Research</i> , 2019, 55, 6640-6652.	1.7	15
24	Investigating the eco-efficiency of China's textile industry based on a firm-level analysis. <i>Science of the Total Environment</i> , 2022, 833, 155075.	3.9	13
25	Identifying sectoral impacts on global scarce water uses from multiple perspectives. <i>Journal of Industrial Ecology</i> , 2021, 25, 1503-1517.	2.8	12
26	An infinite life cycle assessment model to re-evaluate resource efficiency and environmental impacts of circular economy systems. <i>Waste Management</i> , 2022, 145, 72-82.	3.7	12
27	Rapid Increase in Cement-Related Mercury Emissions and Deposition in China during 2005-2015. <i>Environmental Science & Technology</i> , 2020, 54, 14204-14214.	4.6	11
28	U.S.-China Collaboration is Vital to Global Plans for a Healthy Environment and Sustainable Development. <i>Environmental Science & Technology</i> , 2021, 55, 9622-9626.	4.6	10
29	Global Economic Structure Transition Boosts Atmospheric Mercury Emissions in China. <i>Earth's Future</i> , 2021, 9, e2021EF002076.	2.4	10
30	Advancing UN Comtrade for Physical Trade Flow Analysis: Addressing the Issue of Outliers. <i>Resources, Conservation and Recycling</i> , 2022, 186, 106524.	5.3	10
31	Estimation of entity-level land use and its application in urban sectoral land use footprint: A bottom-up model with emerging geospatial data. <i>Journal of Industrial Ecology</i> , 2022, 26, 309-322.	2.8	9
32	Mapping spatial supply chain paths for embodied water flows driven by food demand in China. <i>Science of the Total Environment</i> , 2021, 786, 147480.	3.9	8
33	Planetary Boundaries for Forests and Their National Exceedance. <i>Environmental Science & Technology</i> , 2021, 55, 15423-15434.	4.6	7
34	Effects of economic structural transition on PM2.5-Related Human Health Impacts in China. <i>Journal of Cleaner Production</i> , 2021, 298, 126793.	4.6	5
35	Socioeconomic determinants for the changing food-related scarce water uses in Chinese regions. <i>Journal of Cleaner Production</i> , 2021, 316, 128190.	4.6	5
36	Cascading costs of snow cover reduction trend in northern hemisphere. <i>Science of the Total Environment</i> , 2021, 806, 150970.	3.9	1