

# Jiashuo Li

## List of Publications by Year in descending order

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95  
papers

4,367  
citations

81900

39  
h-index

118850

62  
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98  
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98  
docs citations

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times ranked

2799  
citing authors

#	ARTICLE	IF	CITATIONS
1	Looming challenge of photovoltaic waste under China's solar ambition: A spatial-temporal assessment. <i>Applied Energy</i> , 2022, 307, 118186.	10.1	22
2	Increasing mercury risk of fly ash generated from coal-fired power plants in China. <i>Journal of Hazardous Materials</i> , 2022, 429, 128296.	12.4	15
3	Role of Trade in India's Rising Atmospheric Mercury Emissions. <i>Environmental Science &amp; Technology</i> , 2022, 56, 790-803.	10.0	8
4	China's power transformation may drastically change employment patterns in the power sector and its upstream supply chains. <i>Environmental Research Letters</i> , 2022, 17, 065005.	5.2	10
5	Steel stocks and flows of global merchant fleets as material base of international trade from 1980 to 2050. <i>Global Environmental Change</i> , 2022, 73, 102493.	7.8	4
6	Emission accounting and drivers in 2004 EU accession countries. <i>Applied Energy</i> , 2022, 314, 118964.	10.1	8
7	The co-benefits of clean air and low-carbon policies on heavy metal emission reductions from coal-fired power plants in china. <i>Resources, Conservation and Recycling</i> , 2022, 181, 106258.	10.8	28
8	Allocating environmental costs of China's rare earth production to global consumption. <i>Science of the Total Environment</i> , 2022, 831, 154934.	8.0	10
9	The effects of the Promoting the Big and Quashing the Small Policy on pollutants from a coal power supply chain perspective. <i>Journal of Environmental Management</i> , 2022, 313, 114960.	7.8	7
10	Life cycle assessment shows that retrofitting coal-fired power plants with fuel cells will substantially reduce greenhouse gas emissions. <i>One Earth</i> , 2022, 5, 392-402.	6.8	17
11	Comparative Assessment of Asphalt Volatile Organic Compounds Emission from field to laboratory. <i>Journal of Cleaner Production</i> , 2021, 278, 123479.	9.3	50
12	The formation and transmission of upstream and downstream sectoral carbon emission responsibilities: Evidence from China. <i>Sustainable Production and Consumption</i> , 2021, 25, 563-576.	11.0	13
13	Embodied greenhouse gas emissions from building China's large-scale power transmission infrastructure. <i>Nature Sustainability</i> , 2021, 4, 739-747.	23.7	84
14	Life cycle energy consumption by roads and associated interpretative analysis of sustainable policies. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 141, 110823.	16.4	52
15	Supply chain effects of China's fast growing marine economy on greenhouse gas emissions. <i>Environmental Research Letters</i> , 2021, 16, 054061.	5.2	8
16	The reallocation effect of China's provincial power transmission and trade on regional heavy metal emissions. <i>IScience</i> , 2021, 24, 102529.	4.1	20
17	Rapidly changing coal-related city-level atmospheric mercury emissions and their driving forces. <i>Journal of Hazardous Materials</i> , 2021, 411, 125060.	12.4	19
18	Assessment of carbon dioxide emissions during production, construction and use stages of asphalt pavements. <i>Transportation Research Interdisciplinary Perspectives</i> , 2021, 11, 100436.	2.7	10

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19	Decarbonizing university campuses through the production of biogas from food waste: An LCA analysis. <i>Renewable Energy</i> , 2021, 176, 565-578.	8.9	22
20	Heterogeneity of consumption-based carbon emissions and driving forces in Indian states. <i>Advances in Applied Energy</i> , 2021, 4, 100039.	13.2	24
21	The evolution of China's provincial shared producer and consumer responsibilities for energy-related mercury emissions. <i>Journal of Cleaner Production</i> , 2020, 245, 118678.	9.3	12
22	A city-level inventory for atmospheric mercury emissions from coal combustion in China. <i>Atmospheric Environment</i> , 2020, 223, 117245.	4.1	25
23	A 2015 inventory of embodied carbon emissions for Chinese power transmission infrastructure projects. <i>Scientific Data</i> , 2020, 7, 318.	5.3	18
24	China's retrofitting measures in coal-fired power plants bring significant mercury-related health benefits. <i>One Earth</i> , 2020, 3, 777-787.	6.8	37
25	Critical Rare-Earth Elements Mismatch Global Wind-Power Ambitions. <i>One Earth</i> , 2020, 3, 116-125.	6.8	72
26	Imbalance and drivers of carbon emissions embodied in trade along the Belt and Road Initiative. <i>Applied Energy</i> , 2020, 280, 115934.	10.1	83
27	Characteristics of VOCs generated during production and construction of an asphalt pavement. <i>Transportation Research, Part D: Transport and Environment</i> , 2020, 87, 102517.	6.8	24
28	Emission behavior, environmental impact and priority-controlled pollutants assessment of volatile organic compounds (VOCs) during asphalt pavement construction based on laboratory experiment. <i>Journal of Hazardous Materials</i> , 2020, 398, 122904.	12.4	71
29	Transforming the coal and steel nexus for China's eco-civilization: Interplay between rail and energy infrastructure. <i>Journal of Industrial Ecology</i> , 2020, 24, 1352-1363.	5.5	7
30	Greenhouse gas emissions embodied in the Mongolian economy and their driving forces. <i>Science of the Total Environment</i> , 2020, 714, 136378.	8.0	12
31	Using Existing Infrastructure to Realize Low-Cost and Flexible Photovoltaic Power Generation in Areas with High-Power Demand in China. <i>IScience</i> , 2020, 23, 101867.	4.1	21
32	Disparities in socio-economic drivers behind China's provincial energy-related mercury emission changes. <i>Journal of Environmental Management</i> , 2019, 251, 109613.	7.8	15
33	Impact of a Coal-Fired Power Plant Shutdown Campaign on Heavy Metal Emissions in China. <i>Environmental Science &amp; Technology</i> , 2019, 53, 14063-14069.	10.0	48
34	Greenhouse Gas Emission Analysis of Biomass Moving-bed Pyrolytic Polygeneration Systems based on Aspen Plus and Hybrid LCA in China. <i>Energy Procedia</i> , 2019, 158, 3690-3695.	1.8	7
35	Renewable bio-jet fuel production for aviation: A review. <i>Fuel</i> , 2019, 254, 115599.	6.4	209
36	The determinants of China's national and regional energy-related mercury emission changes. <i>Journal of Environmental Management</i> , 2019, 246, 505-513.	7.8	28

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37	A GIS-based high spatial resolution assessment of large-scale PV generation potential in China. <i>Applied Energy</i> , 2019, 247, 254-269.	10.1	79
38	Energy-induced mercury emissions in global supply chain networks: Structural characteristics and policy implications. <i>Science of the Total Environment</i> , 2019, 670, 87-97.	8.0	43
39	How Green Transition of Energy System Impacts China's Mercury Emissions. <i>Earth's Future</i> , 2019, 7, 1407-1416.	6.3	68
40	Impact of cellulose deoxidization temperature on the composition of liquid products obtained by subsequent pyrolysis. <i>Fuel Processing Technology</i> , 2019, 184, 73-79.	7.2	17
41	Interdependence between energy and metals in China: evidence from a nexus perspective. <i>Journal of Cleaner Production</i> , 2019, 214, 345-355.	9.3	26
42	Global embodied rare earths flows and the outflow paths of China's embodied rare earths: Combining multi-regional input-output analysis with the complex network approach. <i>Journal of Cleaner Production</i> , 2019, 216, 435-445.	9.3	39
43	The Bioeconomy of Microalgal Biofuels. <i>Green Energy and Technology</i> , 2018, , 157-169.	0.6	12
44	Influence of torrefaction with Mg-based additives on the pyrolysis of cotton stalk. <i>Bioresource Technology</i> , 2018, 261, 62-69.	9.6	31
45	Ultra-high voltage network induced energy cost and carbon emissions. <i>Journal of Cleaner Production</i> , 2018, 178, 276-292.	9.3	47
46	Trade reshapes the regional energy related mercury emissions: A case study on Hubei Province based on a multi-scale input-output analysis. <i>Journal of Cleaner Production</i> , 2018, 185, 75-85.	9.3	12
47	Global land-water nexus: Agricultural land and freshwater use embodied in worldwide supply chains. <i>Science of the Total Environment</i> , 2018, 613-614, 931-943.	8.0	93
48	Global energy flows embodied in international trade: A combination of environmentally extended input-output analysis and complex network analysis. <i>Applied Energy</i> , 2018, 210, 98-107.	10.1	233
49	GHG emissions embodied in Macao's internal energy consumption and external trade: Driving forces via decomposition analysis. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 4100-4106.	16.4	52
50	A GIS-based assessment of large-scale PV potential in China. <i>Energy Procedia</i> , 2018, 152, 1079-1084.	1.8	33
51	Hybrid life-cycle assessment for energy consumption and greenhouse gas emissions of a typical biomass gasification power plant in China. <i>Journal of Cleaner Production</i> , 2018, 205, 661-671.	9.3	67
52	The rise of South-South trade and its effect on global CO2 emissions. <i>Nature Communications</i> , 2018, 9, 1871.	12.8	328
53	Life cycle water use of a biomass-based pyrolysis polygeneration system in China. <i>Applied Energy</i> , 2018, 224, 469-480.	10.1	16
54	How external trade reshapes air pollutants emission profile of an urban economy: A case study of Macao. <i>Ecological Indicators</i> , 2018, 94, 74-82.	6.3	53

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55	Carbon emissions and their drivers for a typical urban economy from multiple perspectives: A case analysis for Beijing city. <i>Applied Energy</i> , 2018, 226, 1076-1086.	10.1	125
56	Low temperature deoxidization of biomass and its release characteristics of gas products. <i>Industrial Crops and Products</i> , 2018, 123, 142-153.	5.2	9
57	Stagnating CO <sub>2</sub> emissions with in-depth socioeconomic transition in Beijing. <i>Applied Energy</i> , 2018, 228, 1714-1725.	10.1	7
58	Market impacts of environmental regulations on the production of rare earths: A computable general equilibrium analysis for China. <i>Journal of Cleaner Production</i> , 2017, 154, 614-620.	9.3	40
59	Energy implications of China's regional development: New insights from multi-regional input-output analysis. <i>Applied Energy</i> , 2017, 196, 118-131.	10.1	86
60	Carbon emissions of urban power grid in Jing-Jin-Ji region: Characteristics and influential factors. <i>Journal of Cleaner Production</i> , 2017, 168, 428-440.	9.3	50
61	Urban economy's carbon flow through external trade: Spatial-temporal evolution for Macao. <i>Energy Policy</i> , 2017, 110, 69-78.	8.8	40
62	Embodied rare earths flow between industrial sectors in China: A complex network approach. <i>Resources, Conservation and Recycling</i> , 2017, 125, 363-374.	10.8	40
63	Decoupling analysis on energy consumption, embodied GHG emissions and economic growth – The case study of Macao. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 67, 662-672.	16.4	103
64	China's energy-related mercury emissions: Characteristics, impact of trade and mitigation policies. <i>Journal of Cleaner Production</i> , 2017, 141, 1259-1266.	9.3	60
65	Tracking mercury emission flows in the global supply chains: A multi-regional input-output analysis. <i>Journal of Cleaner Production</i> , 2017, 140, 1470-1492.	9.3	76
66	The impact of trade on fuel-related mercury emissions in Beijing – evidence from three-scale input-output analysis. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 75, 742-752.	16.4	30
67	China's Rare Earths Production Forecasting and Sustainable Development Policy Implications. <i>Sustainability</i> , 2017, 9, 1003.	3.2	25
68	Mercury emissions embodied in Beijing economy. <i>Journal of Cleaner Production</i> , 2016, 129, 134-142.	9.3	18
69	An overview of mercury emissions by global fuel combustion: The impact of international trade. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 65, 345-355.	16.4	64
70	Inventory of CO <sub>2</sub> emissions driven by energy consumption in Hubei Province: a time-series energy input-output analysis. <i>Frontiers of Earth Science</i> , 2016, 10, 717-730.	2.1	5
71	Trend and driving forces of Beijing's black carbon emissions from sectoral perspectives. <i>Journal of Cleaner Production</i> , 2016, 112, 1272-1281.	9.3	32
72	Optimal embodied energy abatement strategy for Beijing economy: Based on a three-scale input-output analysis. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 53, 1602-1610.	16.4	84

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73	Virtual water assessment for Macao, China: highlighting the role of external trade. <i>Journal of Cleaner Production</i> , 2015, 93, 308-317.	9.3	34
74	Embodied water for urban economy: A three-scale input-output analysis for Beijing 2010. <i>Ecological Modelling</i> , 2015, 318, 19-25.	2.5	53
75	Mercury emissions by Beijing's fossil energy consumption: Based on environmentally extended input-output analysis. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 41, 1167-1175.	16.4	57
76	Virtual water accounting for building: case study for E-town, Beijing. <i>Journal of Cleaner Production</i> , 2014, 68, 7-15.	9.3	48
77	Multi-regional input-output analysis for China's regional CH <sub>4</sub> emissions. <i>Frontiers of Earth Science</i> , 2014, 8, 163-180.	2.1	34
78	Embodied exergy-based assessment of energy and resource consumption of buildings. <i>Frontiers of Earth Science</i> , 2014, 8, 150-162.	2.1	10
79	Methane emissions of energy activities in China 1980-2007. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 29, 11-21.	16.4	58
80	Indicators for environmental dispersion in a three-layer wetland: Extension of Taylor's classical analysis. <i>Ecological Indicators</i> , 2014, 47, 254-269.	6.3	20
81	Embodied energy assessment for Macao's external trade. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 34, 642-653.	16.4	53
82	Local-scale systems input-output analysis of embodied water for the Beijing economy in 2007. <i>Frontiers of Earth Science</i> , 2014, 8, 414-426.	2.1	21
83	Water footprint assessment for service sector: A case study of gaming industry in water scarce Macao. <i>Ecological Indicators</i> , 2014, 47, 164-170.	6.3	37
84	Energy regulation in China: Objective selection, potential assessment and responsibility sharing by partial frontier analysis. <i>Energy Policy</i> , 2014, 66, 292-302.	8.8	17
85	Energy-based hybrid evaluation for commercial construction engineering: A case study in BDA. <i>Ecological Indicators</i> , 2014, 47, 179-188.	6.3	28
86	Energy and carbon emission review for Macao's gaming industry. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 29, 744-753.	16.4	38
87	Ecological accounting for an integrated "biogas-fish" system based on energetic indicators. <i>Ecological Indicators</i> , 2014, 47, 189-197.	6.3	54
88	Embodied greenhouse gas emission by Macao. <i>Energy Policy</i> , 2013, 59, 819-833.	8.8	67
89	Embodied energy consumption of building construction engineering: Case study in E-town, Beijing. <i>Energy and Buildings</i> , 2013, 64, 62-72.	6.7	86
90	Three-scale input-output modeling for urban economy: Carbon emission by Beijing 2007. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2013, 18, 2493-2506.	3.3	156

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91	Energy and greenhouse gas emissions review for Macao. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 22, 23-32.	16.4	68
92	Comparison of greenhouse gas emission accounting for a constructed wetland wastewater treatment system. <i>Ecological Informatics</i> , 2012, 12, 85-92.	5.2	11
93	Renewable resource for agricultural ecosystem in China: Ecological benefit for biogas by-product for planting. <i>Ecological Informatics</i> , 2012, 12, 101-110.	5.2	50
94	Inventory and input-output analysis of CO2 emissions by fossil fuel consumption in Beijing 2007. <i>Ecological Informatics</i> , 2012, 12, 93-100.	5.2	88
95	Energy-Dominated Local Carbon Emissions in Beijing 2007: Inventory and Input-Output Analysis. <i>Scientific World Journal</i> , The, 2012, 2012, 1-10.	2.1	15