Zhifu Mi

List of Publications by Year
in descending order

132	11,437	39113 52	35168 102
papers	citations	h-index	g-index

138	138	138	6724
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Airline efficiency measures considering undesirable outputs: an application of a network slack-based measures with double frontiers. Journal of Environmental Planning and Management, 2023, 66, 191-220.	2.4	3
2	The Role of Bike Sharing in Promoting Transport Resilience. Networks and Spatial Economics, 2022, 22, 567-585.	0.7	22
3	An environmental benefit analysis of bike sharing in New York City. Cities, 2022, 121, 103475.	2.7	25
4	Exploring the effect of COVID-19 on airline environmental efficiency through an interval epsilon-based measure model. Environmental Science and Pollution Research, 2022, 29, 25623-25638.	2.7	0
5	Accounting for the carbon emissions from domestic air routes in China. Heliyon, 2022, 8, e08716.	1.4	17
6	Can the aviation industry achieve carbon emission reduction and revenue growth simultaneously under the CNG2020 strategy? An empirical study with 25 benchmarking airlines. Energy, 2022, 245, 123272.	4.5	18
7	Bigger cities better climate? Results from an analysis of urban areas in China. Energy Economics, 2022, 107, 105872.	5.6	31
8	Using a linear regression approach to sequential interindustry model for time-lagged economic impact analysis. Structural Change and Economic Dynamics, 2022, 62, 399-406.	2.1	4
9	Analyzing the role of competition and cooperation in airline environmental efficiency through two dynamic environmental cross-efficiency models. International Journal of Sustainable Transportation, 2021, 15, 850-864.	2.1	13
10	Which airline should undertake a large emission reduction allocation proportion under the "carbon neutral growth from 2020" strategy? An empirical study with 27 global airlines. Journal of Cleaner Production, 2021, 279, 123745.	4.6	14
11	A Review of Data Envelopment Analysis in Airline Efficiency: State of the Art and Prospects. Journal of Advanced Transportation, 2021, 2021, 1-13.	0.9	15
12	An application of Dynamic Range Adjusted Measure with weak-G disposability in evaluating airline energy efficiency. Energy Efficiency, 2021, 14, 1.	1.3	1
13	Destruction and Deflection: Evidence from American Antidumping Actions against China. Structural Change and Economic Dynamics, 2021, 57, 203-213.	2.1	4
14	Population ageing and deaths attributable to ambient PM2Â·5 pollution: a global analysis of economic cost. Lancet Planetary Health, The, 2021, 5, e356-e367.	5.1	63
15	Effect of strengthened standards on Chinese ironmaking and steelmaking emissions. Nature Sustainability, 2021, 4, 811-820.	11.5	53
16	Critical transmission sectors in embodied atmospheric mercury emission network in China. Journal of Industrial Ecology, 2021, 25, 1644-1656.	2.8	12
17	Solely economic mitigation strategy suggests upward revision of nationally determined contributions. One Earth, 2021, 4, 1150-1162.	3.6	13
18	The impact of climate risk valuation on the regional mitigation strategies. Journal of Cleaner Production, 2021, 313, 127786.	4.6	7

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19	Provinces with transitions in industrial structure and energy mix performed best in climate change mitigation in China. Communications Earth & Environment, 2021, 2, .	2.6	52
20	Investigating the Profit Pollution Abatement Costs difference before and after the â€œCarbon neutral growth from 2020â€•strategy was proposed. Research in Transportation Economics, 2021, 90, 101120.	2.2	2
21	Decoupling without outsourcing? How Chinaâ€™s consumption-based CO2 emissions have plateaued. IScience, 2021, 24, 103130.	1.9	34
22	Airline environmental efficiency comparison through two non-separable inputs disposability Range Adjusted Measure models. Journal of Cleaner Production, 2021, 320, 128844.	4.6	3
23	The 2021 report of the Lancet Countdown on health and climate change: code red for a healthy future. Lancet, The, 2021, 398, 1619-1662.	6.3	669
24	Impacts of climate change on hydropower generation in China. Mathematics and Computers in Simulation, 2020, 167, 4-18.	2.4	49
25	A costâ€“benefit analysis of the environmental taxation policy in China: A frontier analysisâ€based environmentally extended inputâ€“output optimization method. Journal of Industrial Ecology, 2020, 24, 564-576.	2.8	21
26	Carbon transfer within China: Insights from production fragmentation. Energy Economics, 2020, 86, 104647.	5.6	34
27	Investment in carbon dioxide capture and storage combined with enhanced water recovery. International Journal of Greenhouse Gas Control, 2020, 94, 102848.	2.3	12
28	Evaluating airline efficiency under â€œCarbon Neutral Growth from 2020â€•strategy through a Network Interval Slack-Based Measure. Energy, 2020, 193, 116734.	4.5	18
29	Who is energy poor? Evidence from the least developed regions in China. Energy Policy, 2020, 137, 111122.	4.2	79
30	Rural household energy consumption of farmers and herders in the Qinghai-Tibet Plateau. Energy, 2020, 192, 116649.	4.5	44
31	Carbon emissions in countries that failed to ratify the intended nationally determined contributions: A case study of Kyrgyzstan. Journal of Environmental Management, 2020, 255, 109892.	3.8	19
32	Air pollution emissions from Chinese power plants based on the continuous emission monitoring systems network. Scientific Data, 2020, 7, 325.	2.4	47
33	Role of export industries on ozone pollution and its precursors in China. Nature Communications, 2020, 11, 5492.	5.8	30
34	Quantitative models in emission trading system research: A literature review. Renewable and Sustainable Energy Reviews, 2020, 132, 110052.	8.2	41
35	Spatially Explicit Global Hotspots Driving Chinaâ€™s Mercury Related Health Impacts. Environmental Science & Technology, 2020, 54, 14547-14557.	4.6	19
36	Network resilience of phosphorus cycling in China has shifted by natural flows, fertilizer use and dietary transitions between 1600 and 2012. Nature Food, 2020, 1, 365-375.	6.2	22

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37	Economic development and converging household carbon footprints in China. Nature Sustainability, 2020, 3, 529-537.	11.5	224
38	Saving less in China facilitates global CO2 mitigation. Nature Communications, 2020, 11, 1358.	5.8	24
39	Airline energy efficiency measures using a network range-adjusted measure with unified natural and managerial disposability. Energy Efficiency, 2020, 13, 1195-1211.	1.3	10
40	Characterizing the stocks, flows, and carbon impact of dockless sharing bikes in China. Resources, Conservation and Recycling, 2020, 162, 105038.	5.3	25
41	Reforming the Operation Mechanism of Chinese Electricity System: Benefits, Challenges and Possible Solutions. Energy Journal, 2020, 41, 219-246.	0.9	12
42	Climate impacts: temperature and electricity consumption. Natural Hazards, 2019, 99, 1259-1275.	1.6	28
43	Can virtual water trade save water resources?. Water Research, 2019, 163, 114848.	5.3	59
44	The Slowdown in Chinaâ€™s Carbon Emissions Growth in the New Phase of Economic Development. One Earth, 2019, 1, 240-253.	3.6	138
45	Dilution effect of the building area on energy intensity in urban residential buildings. Nature Communications, 2019, 10, 4944.	5.8	34
46	Environmental taxation and regional inequality in China. Science Bulletin, 2019, 64, 1691-1699.	4.3	31
47	Inequality of household consumption and air pollution-related deaths in China. Nature Communications, 2019, 10, 4337.	5.8	114
48	Substantial emission reductions from Chinese power plants after the introduction of ultra-low emissions standards. Nature Energy, 2019, 4, 929-938.	19.8	273
49	The Slowdown in Global Air-Pollutant Emission Growth and Driving Factors. One Earth, 2019, 1, 138-148.	3.6	91
50	Mapping Carbon and Water Networks in the North China Urban Agglomeration. One Earth, 2019, 1, 126-137.	3.6	58
51	Investigating the impacts of the EU ETS emission rights on airline environmental efficiency via a Network Environmental SBM model. Journal of Environmental Planning and Management, 2019, 62, 1465-1488.	2.4	14
52	Carbon emissions performance in logistics at the city level. Journal of Cleaner Production, 2019, 231, 1258-1266.	4.6	61
53	Flexible options to provide energy for capturing carbon dioxide in coal-fired power plants under the Clean Development Mechanism. Mitigation and Adaptation Strategies for Global Change, 2019, 24, 1483-1505.	1.0	5
54	The health benefits and economic effects of cooperative PM2.5 control: A cost-effectiveness game model. Journal of Cleaner Production, 2019, 228, 1572-1585.	4.6	24

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55	Virtual water flow pattern of grain trade and its benefits in China. Journal of Cleaner Production, 2019, 223, 445-455.	4.6	35
56	Regional development and carbon emissions in China. Energy Economics, 2019, 81, 25-36.	5.6	284
57	The sharing economy promotes sustainable societies. Nature Communications, 2019, 10, 1214.	5.8	158
58	Geoengineering and the blockchain: Coordinating Carbon Dioxide Removal and Solar Radiation Management to tackle future emissions. Frontiers of Engineering Management, 2019, 6, 38-51.	3.3	17
59	Frequent interactions of Tibet's CO₂ emissions with those of other regions in China. Earth's Future, 2019, 7, 491-502.	2.4	12
60	Trans-provincial health impacts of atmospheric mercury emissions in China. Nature Communications, 2019, 10, 1484.	5.8	126
61	Initial Declines in Chinaâ€™s Provincial Energy Consumption and Their Drivers. Joule, 2019, 3, 1163-1168.	11.7	26
62	Peak cementâ€related CO₂ emissions and the changes in drivers in China. Journal of Industrial Ecology, 2019, 23, 959-971.	2.8	64
63	Linking cityâ€level inputâ€“output table to urban energy footprint: Construction framework and application. Journal of Industrial Ecology, 2019, 23, 781-795.	2.8	46
64	The online pricing strategy of low-cost carriers when carbon tax and competition are considered. Transportation Research, Part A: Policy and Practice, 2019, 121, 420-432.	2.0	10
65	Official website or online travel agencies? The online ticket booking strategies of low-cost carriers. Transportmetrica B, 2019, 7, 1743-1757.	1.4	2
66	Assessment of equity principles for international climate policy based on an integrated assessment model. Natural Hazards, 2019, 95, 309-323.	1.6	30
67	Carbon emissions of cities from a consumption-based perspective. Applied Energy, 2019, 235, 509-518.	5.1	198
68	Life-cycle water uses for energy consumption of Chinese households from 2002 to 2015. Journal of Environmental Management, 2019, 231, 989-995.	3.8	17
69	Optimization of virtual water flow via grain trade within China. Ecological Indicators, 2019, 97, 25-34.	2.6	15
70	Cities: The core of climate change mitigation. Journal of Cleaner Production, 2019, 207, 582-589.	4.6	193
71	Electric fence planning for dockless bike-sharing services. Journal of Cleaner Production, 2019, 206, 383-393.	4.6	120
72	Will Pollution Taxes Improve Joint Ecological and Economic Efficiency of Thermal Power Industry in China?: A DEAâ€Based Materials Balance Approach. Journal of Industrial Ecology, 2019, 23, 389-401.	2.8	32

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73	How modifications of China's energy data affect carbon mitigation targets. Energy Policy, 2018, 116, 337-343.	4.2	48
74	Origin and Radiative Forcing of Black Carbon Aerosol: Production and Consumption Perspectives. Environmental Science & Technology, 2018, 52, 6380-6389.	4.6	34
75	China's â€œExported Carbonâ€•Peak: Patterns, Drivers, and Implications. Geophysical Research Letters, 2018, 45, 4309-4318.	1.5	124
76	China CO2 emission accounts 1997â€“2015. Scientific Data, 2018, 5, 170201.	2.4	824
77	Environmental benefits of bike sharing: A big data-based analysis. Applied Energy, 2018, 220, 296-301.	5.1	341
78	Pollution abatement costs change decomposition for airlines: An analysis from a dynamic perspective. Transportation Research, Part A: Policy and Practice, 2018, 111, 96-107.	2.0	16
79	How does hydrogen-based renewable energy change with economic development? Empirical evidence from 32 countries. International Journal of Hydrogen Energy, 2018, 43, 11629-11638.	3.8	36
80	The comprehensive environmental efficiency of socioeconomic sectors in China: An analysis based on a non-separable bad output SBM. Journal of Cleaner Production, 2018, 176, 1091-1110.	4.6	49
81	Airline environmental efficiency measures considering materials balance principles: an application of a network range-adjusted measure with weak-G disposability. Journal of Environmental Planning and Management, 2018, 61, 2298-2318.	2.4	15
82	CNG2020 strategy and airline efficiency: A Network Epsilon-Based Measure with managerial disposability. International Journal of Sustainable Transportation, 2018, 12, 313-323.	2.1	30
83	A multi-regional input-output table mapping China's economic outputs and interdependencies in 2012. Scientific Data, 2018, 5, 180155.	2.4	105
84	Temporal change in Indiaâ€™s imbalance of carbon emissions embodied in international trade. Applied Energy, 2018, 231, 914-925.	5.1	43
85	Spatio-temporal simulation of energy consumption in China's provinces based on satellite night-time light data. Applied Energy, 2018, 231, 1070-1078.	5.1	62
86	The role of intermediate trade in the change of carbon flows within China. Energy Economics, 2018, 76, 303-312.	5.6	41
87	Social cost of carbon under shared socioeconomic pathways. Global Environmental Change, 2018, 53, 225-232.	3.6	39
88	Carbon implications of Chinaâ€™s changing economic structure at the city level. Structural Change and Economic Dynamics, 2018, 46, 163-171.	2.1	9
89	Assessing the policy impacts on non-ferrous metals industry's CO2 reduction: Evidence from China. Journal of Cleaner Production, 2018, 192, 252-261.	4.6	71
90	The rise of Southâ€“South trade and its effect on global CO2 emissions. Nature Communications, 2018, 9, 1871.	5.8	328

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91	Structural decline in Chinaâ€™s CO2 emissions through transitions in industry and energy systems. Nature Geoscience, 2018, 11, 551-555.	5.4	340
92	City-level climate change mitigation in China. Science Advances, 2018, 4, eaaq0390.	4.7	287
93	An integrated assessment of INDCs under Shared Socioeconomic Pathways: an implementation of C3IAM. Natural Hazards, 2018, 92, 585-618.	1.6	62
94	Investigating the role of cooperation in the GHG abatement costs of airlines under CNG2020 strategy via a DEA cross PAC model. Energy, 2018, 161, 725-736.	4.5	12
95	Rapid growth of petroleum coke consumption and its related emissions in China. Applied Energy, 2018, 226, 494-502.	5.1	60
96	China's Energy Consumption in the New Normal. Earth's Future, 2018, 6, 1007-1016.	2.4	101
97	Regional efforts to mitigate climate change in China: a multi-criteria assessment approach. Mitigation and Adaptation Strategies for Global Change, 2017, 22, 45-66.	1.0	48
98	The consumption-based black carbon emissions of China's megacities. Journal of Cleaner Production, 2017, 161, 1275-1282.	4.6	80
99	A sustainable biogas model in China: The case study of Beijing Deqingyuan biogas project. Renewable and Sustainable Energy Reviews, 2017, 78, 773-779.	8.2	72
100	Carbon neutral growth from 2020 strategy and airline environmental inefficiency: A Network Range Adjusted Environmental Data Envelopment Analysis. Applied Energy, 2017, 199, 13-24.	5.1	62
101	Exploring the differences in the airport competitiveness formation mechanism: evidence from 45 Chinese airports during 2010â€“2014. Transportmetrica B, 2017, 5, 325-341.	1.4	8
102	Methodology and applications of city level CO2 emission accounts in China. Journal of Cleaner Production, 2017, 161, 1215-1225.	4.6	351
103	Airline energy efficiency measures using the Virtual Frontier Network RAM with weak disposability. Transportation Planning and Technology, 2017, 40, 479-504.	0.9	17
104	Pattern changes in determinants of Chinese emissions. Environmental Research Letters, 2017, 12, 074003.	2.2	217
105	Forecasting Chinaâ€™s regional energy demand by 2030: A Bayesian approach. Resources, Conservation and Recycling, 2017, 127, 85-95.	5.3	63
106	Energy consumption and CO₂ emissions in Tibet and its cities in 2014. Earth's Future, 2017, 5, 854-864.	2.4	48
107	Will airlinesâ€™ pollution abatement costs be affected by CNG2020 strategy? An analysis through a Network Environmental Production Function. Transportation Research, Part D: Transport and Environment, 2017, 57, 141-154.	3.2	21
108	Environmental efficiency measures for ports: an application of RAM-Tobit-RAM with undesirable outputs. Maritime Policy and Management, 2017, 44, 551-564.	1.9	28

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109	Demand-driven air pollutant emissions for a fast-developing region in China. Applied Energy, 2017, 204, 131-142.	5.1	52
110	Will airline efficiency be affected by â€œCarbon Neutral Growth from 2020â€•strategy? Evidences from 29 international airlines. Journal of Cleaner Production, 2017, 164, 1289-1300.	4.6	36
111	Risk management of extreme events under climate change. Journal of Cleaner Production, 2017, 166, 1169-1174.	4.6	40
112	Risk assessment of oil price from static and dynamic modelling approaches. Applied Economics, 2017, 49, 929-939.	1.2	25
113	Socioeconomic impact assessment of China's CO2 emissions peak prior to 2030. Journal of Cleaner Production, 2017, 142, 2227-2236.	4.6	346
114	Chinese CO2 emission flows have reversed since the global financial crisis. Nature Communications, 2017, 8, 1712.	5.8	678
115	Measuring the energy efficiency for airlines under the pressure of being included into the EU ETS. Journal of Advanced Transportation, 2016, 50, 1630-1649.	0.9	24
116	Energy efficiency measures for airlines: An application of virtual frontier dynamic range adjusted measure. Journal of Renewable and Sustainable Energy, 2016, 8, .	0.8	42
117	Exploring the impacts of the EU ETS emission limits on airline performance via the Dynamic Environmental DEA approach. Applied Energy, 2016, 183, 984-994.	5.1	71
118	Evaluating energy efficiency for airlines: An application of Virtual Frontier Dynamic Slacks Based Measure. Energy, 2016, 113, 1231-1240.	4.5	69
119	Assessment on the research trend of low-carbon energy technology investment: A bibliometric analysis. Applied Energy, 2016, 184, 960-970.	5.1	77
120	Chinaâ€™s socioeconomic risk from extreme events in a changing climate: a hierarchical Bayesian model. Climatic Change, 2016, 139, 169-181.	1.7	12
121	Consumption-based emission accounting for Chinese cities. Applied Energy, 2016, 184, 1073-1081.	5.1	519
122	Has airline efficiency affected by the inclusion of aviation into European Union Emission Trading Scheme? Evidences from 22 airlines during 2008â€“2012. Energy, 2016, 96, 8-22.	4.5	102
123	The change trend and influencing factors of civil aviation safety efficiency: The case of Chinese airline companies. Safety Science, 2015, 75, 56-63.	2.6	60
124	Chinaâ€™s carbon flow: 2008â€“2012. Energy Policy, 2015, 80, 45-53.	4.2	29
125	Evaluating energy efficiency for airlines: An application of VFB-DEA. Journal of Air Transport Management, 2015, 44-45, 34-41.	2.4	110
126	An empirical study on the influencing factors of transportation carbon efficiency: Evidences from fifteen countries. Applied Energy, 2015, 141, 209-217.	5.1	130

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127	Evaluating airline efficiency: An application of Virtual Frontier Network SBM. Transportation Research, Part E: Logistics and Transportation Review, 2015, 81, 1-17.	3.7	103
128	Climate policy modeling: An online SCI-E and SSCI based literature review. Omega, 2015, 57, 70-84.	3.6	103
129	Urban energy consumption and CO2 emissions in Beijing: current and future. Energy Efficiency, 2015, 8, 527-543.	1.3	60
130	Potential impacts of industrial structure on energy consumption and CO2 emission: a case study of Beijing. Journal of Cleaner Production, 2015, 103, 455-462.	4.6	353
131	The evaluation of transportation energy efficiency: An application of three-stage virtual frontier DEA. Transportation Research, Part D: Transport and Environment, 2014, 29, 1-11.	3.2	152
132	Estimating the 'value at risk' of EUA futures prices based on the extreme value theory. International Journal of Global Energy Issues, 2011, 35, 145.	0.2	12