

Ning Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

136
papers

9,940
citations

36203

51
h-index

39575

94
g-index

143
all docs

143
docs citations

143
times ranked

6147
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving rural women's health in China: cooking with clean energy. <i>Environmental Science and Pollution Research</i> , 2022, 29, 20906-20920.	2.7	7
2	How can government environmental policy affect the performance of SMEs: Chinese evidence. <i>Journal of Cleaner Production</i> , 2022, 336, 130308.	4.6	15
3	Innovation and energy productivity: An empirical study of the innovative city pilot policy in China. <i>Technological Forecasting and Social Change</i> , 2022, 176, 121430.	6.2	36
4	Does industrial transfer policy mitigate carbon emissions? Evidence from a quasi-natural experiment in China. <i>Journal of Environmental Management</i> , 2022, 307, 114526.	3.8	36
5	Spatial analysis connects excess water pollution discharge, industrial production, and consumption at the sectoral level. <i>Npj Clean Water</i> , 2022, 5, .	3.1	13
6	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.	5.3	28
7	Allocating environmental costs of China's rare earth production to global consumption. <i>Science of the Total Environment</i> , 2022, 831, 154934.	3.9	10
8	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.	3.6	17
9	The effect of environmental regulation on the marginal abatement cost of industrial firms: Evidence from the 11th Five-Year Plan in China. <i>Energy Economics</i> , 2022, 112, 106147.	5.6	26
10	Is China's energy policy effective for power plants? Evidence from the 12th Five-Year Plan energy saving targets. <i>Energy Economics</i> , 2022, 112, 106143.	5.6	26
11	Sustainable supply chain management under big data: a bibliometric analysis. <i>Journal of Enterprise Information Management</i> , 2021, 34, 427-445.	4.4	59
12	Potential gains of trading CO2 emissions in the Chinese transportation sector. <i>Transportation Research, Part D: Transport and Environment</i> , 2021, 90, 102639.	3.2	10
13	Low-carbon city pilot and carbon emission efficiency: Quasi-experimental evidence from China. <i>Energy Economics</i> , 2021, 96, 105125.	5.6	280
14	The driving forces behind the change in energy consumption in developing countries. <i>Environmental Research Letters</i> , 2021, 16, 054002.	2.2	18
15	The influences of incentive policy perceptions and consumer social attributes on battery electric vehicle purchase intentions. <i>Energy Policy</i> , 2021, 151, 112163.	4.2	64
16	Embodied greenhouse gas emissions from building China's large-scale power transmission infrastructure. <i>Nature Sustainability</i> , 2021, 4, 739-747.	11.5	84
17	Does public subsidy promote sustainable innovation? The case of Chinese high-tech SMEs. <i>Environmental Science and Pollution Research</i> , 2021, 28, 53493-53506.	2.7	17
18	Mn oxides changed nitrogen removal process in constructed wetlands with a microbial electrolysis cell. <i>Science of the Total Environment</i> , 2021, 770, 144761.	3.9	17

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19	Price sensitivity and consumers' support for renewable energy in China. <i>Energy</i> , 2021, 222, 119862.	4.5	11
20	Population ageing and deaths attributable to ambient PM2.5 pollution: a global analysis of economic cost. <i>Lancet Planetary Health</i> , The, 2021, 5, e356-e367.	5.1	63
21	The sources of regulated productivity in Chinese power plants: An estimation of the restricted cost function combined with DEA approach. <i>Energy Economics</i> , 2021, 100, 105318.	5.6	17
22	The cost of low-carbon transition for China's coal-fired power plants: A quantile frontier approach. <i>Technological Forecasting and Social Change</i> , 2021, 169, 120809.	6.2	22
23	Temporal trends of the concentration and sources of secondary organic aerosols in PM2.5 in Shanghai during 2012 and 2018. <i>Atmospheric Environment</i> , 2021, 261, 118596.	1.9	22
24	Does it matter who gives information? The impact of information sources on farmers' pesticide use in China. <i>Journal of Asian Economics</i> , 2021, 76, 101345.	1.2	11
25	Heterogeneity of consumption-based carbon emissions and driving forces in Indian states. <i>Advances in Applied Energy</i> , 2021, 4, 100039.	6.6	24
26	CO2 emission reduction potential in China from combined effects of structural adjustment of economy and efficiency improvement. <i>Resources, Conservation and Recycling</i> , 2021, 174, 105760.	5.3	40
27	Impact on China's CO ₂ emissions from COVID-19 pandemic. <i>Chinese Science Bulletin</i> , 2021, 66, 1912-1922.	0.4	9
28	Can sustainable operations achieve economic benefit and energy saving for manufacturing industries in China?. <i>Annals of Operations Research</i> , 2020, 290, 145-168.	2.6	12
29	Do green behaviors improve corporate value? An empirical study in China. <i>Journal of Cleaner Production</i> , 2020, 246, 119014.	4.6	6
30	The shadow prices of CO ₂ and SO ₂ for Chinese Coal-fired Power Plants: A partial frontier approach. <i>Energy Economics</i> , 2020, 85, 104576.	5.6	47
31	Does the SO ₂ emissions trading scheme encourage green total factor productivity? An empirical assessment on China's cities. <i>Environmental Science and Pollution Research</i> , 2020, 27, 6375-6388.	2.7	68
32	Is it feasible for China to enhance its air quality in terms of the efficiency and the regulatory cost of air pollution?. <i>Science of the Total Environment</i> , 2020, 709, 136149.	3.9	26
33	The drivers of China's regional green productivity, 1999-2013. <i>Resources, Conservation and Recycling</i> , 2020, 153, 104561.	5.3	41
34	The inequality of city-level energy efficiency for China. <i>Journal of Environmental Management</i> , 2020, 255, 109843.	3.8	57
35	Air pollution and tourism development: An interplay. <i>Annals of Tourism Research</i> , 2020, 85, 103032.	3.7	67
36	Near-real-time monitoring of global CO ₂ emissions reveals the effects of the COVID-19 pandemic. <i>Nature Communications</i> , 2020, 11, 5172.	5.8	420

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37	Assessing the role of technology in global manufacturing energy intensity change: A production-theoretical decomposition analysis. <i>Technological Forecasting and Social Change</i> , 2020, 160, 120245.	6.2	11
38	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
39	Critical Rare-Earth Elements Mismatch Global Wind-Power Ambitions. <i>One Earth</i> , 2020, 3, 116-125.	3.6	72
40	Carbon emissions and environmental management based on Big Data and Streaming Data: A bibliometric analysis. <i>Science of the Total Environment</i> , 2020, 733, 138984.	3.9	60
41	Flood Footprint Assessment: A Multiregional Case of 2009 Central European Floods. <i>Risk Analysis</i> , 2020, 40, 1612-1631.	1.5	18
42	The effect of China's pilot carbon emissions trading schemes on poverty alleviation: A quasi-natural experiment approach. <i>Journal of Environmental Management</i> , 2020, 271, 110973.	3.8	62
43	Impact of urbanization on energy demand: An empirical study of the Yangtze River Economic Belt in China. <i>Energy Policy</i> , 2020, 139, 111354.	4.2	69
44	The effect of environmental regulation on air pollution, productivity, and factor structure: a quasi-natural experiment evidence from China. <i>Environmental Science and Pollution Research</i> , 2020, 27, 20392-20409.	2.7	17
45	Comparisons of CO2 emission performance between secondary and service industries in Yangtze River Delta cities. <i>Journal of Environmental Management</i> , 2019, 252, 109667.	3.8	52
46	Carbon mitigation effects and potential cost savings from carbon emissions trading in China's regional industry. <i>Technological Forecasting and Social Change</i> , 2019, 141, 1-11.	6.2	99
47	Does smart city policy improve energy efficiency? Evidence from a quasi-natural experiment in China. <i>Journal of Cleaner Production</i> , 2019, 229, 501-512.	4.6	89
48	CO2 emission patterns in shrinking and growing cities: A case study of Northeast China and the Yangtze River Delta. <i>Applied Energy</i> , 2019, 251, 113384.	5.1	69
49	Modeling the eco-efficiency of Chinese prefecture-level cities with regional heterogeneities: A comparative perspective. <i>Ecological Modelling</i> , 2019, 402, 1-17.	1.2	43
50	The effect of environmental policy on Chinese firm's green productivity and shadow price: A metafrontier input distance function approach. <i>Technological Forecasting and Social Change</i> , 2019, 144, 129-136.	6.2	35
51	Does industry upgrade transfer pollution: Evidence from a natural experiment of Guangdong province in China. <i>Journal of Cleaner Production</i> , 2019, 229, 902-910.	4.6	39
52	Determinants of Residents' Willingness to Accept and Their Levels for Ecological Conservation in Ganjiang River Basin, China: An Empirical Analysis of Survey Data for 677 Households. <i>Sustainability</i> , 2019, 11, 6138.	1.6	9
53	Does China's Pollution Levy Standards Reform Promote Green Growth?. <i>Sustainability</i> , 2019, 11, 6186.	1.6	10
54	Birnessite-coated sand filled vertical flow constructed wetlands improved nutrients removal in a cold climate. <i>RSC Advances</i> , 2019, 9, 35931-35938.	1.7	20

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55	Influence of application of manganese ore in constructed wetlands on the mechanisms and improvement of nitrogen and phosphorus removal. <i>Ecotoxicology and Environmental Safety</i> , 2019, 170, 446-452.	2.9	66
56	Effectiveness of crop residuals in ethanol and pyrolysis-based electricity production: A stochastic analysis under uncertain climate impacts. <i>Energy Policy</i> , 2019, 125, 267-276.	4.2	8
57	Energy efficiency and technology gap of enterprises in Guangdong province: A meta-frontier directional distance function analysis. <i>Journal of Cleaner Production</i> , 2019, 212, 1446-1453.	4.6	15
58	Does major agriculture production zone have higher carbon efficiency and abatement cost under climate change mitigation?. <i>Ecological Indicators</i> , 2019, 105, 376-385.	2.6	20
59	Family firms, sustainable innovation and financing cost: Evidence from Chinese hi-tech small and medium-sized enterprises. <i>Technological Forecasting and Social Change</i> , 2019, 144, 499-511.	6.2	47
60	Does energy research funding work? Evidence from the Natural Science Foundation of China using TEI@I method. <i>Technological Forecasting and Social Change</i> , 2019, 144, 369-380.	6.2	8
61	Toward better environmental performance in hog production in China: Is intensification the answer?. <i>Ecological Indicators</i> , 2019, 105, 347-354.	2.6	17
62	Low-carbon technology diffusion in the decarbonization of the power sector: Policy implications. <i>Energy Policy</i> , 2018, 116, 344-356.	4.2	24
63	The Role of Agricultural Training on Fertilizer Use Knowledge: A Randomized Controlled Experiment. <i>Ecological Economics</i> , 2018, 148, 77-91.	2.9	38
64	Sustainable water use and water shadow price in China's urban industry. <i>Resources, Conservation and Recycling</i> , 2018, 128, 489-498.	5.3	46
65	Composite eco-efficiency indicators for China based on data envelopment analysis. <i>Ecological Indicators</i> , 2018, 85, 674-697.	2.6	96
66	Sustainable endogenous growth model of multiple regions: Reconciling OR and economic perspectives. <i>European Journal of Operational Research</i> , 2018, 269, 218-226.	3.5	7
67	The Potential Gains from Carbon Emissions Trading in China's Industrial Sectors. <i>Computational Economics</i> , 2018, 52, 1175-1194.	1.5	18
68	Industrial eco-efficiency, regional disparity, and spatial convergence of China's regions. <i>Journal of Cleaner Production</i> , 2018, 204, 872-887.	4.6	94
69	National research funding and energy efficiency: Evidence from the National Science Foundation of China. <i>Energy Policy</i> , 2018, 120, 335-346.	4.2	41
70	Structural decline in China's CO2 emissions through transitions in industry and energy systems. <i>Nature Geoscience</i> , 2018, 11, 551-555.	5.4	340
71	Analysis of the Factors Influencing Willingness to Pay and Payout Level for Ecological Environment Improvement of the Ganjiang River Basin. <i>Sustainability</i> , 2018, 10, 2149.	1.6	41
72	How do population and land urbanization affect CO2 emissions under gravity center change? A spatial econometric analysis. <i>Journal of Cleaner Production</i> , 2018, 202, 510-523.	4.6	149

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73	Potential economic gains and emissions reduction on carbon emissions trading for China's large-scale thermal power plants. <i>Journal of Cleaner Production</i> , 2018, 204, 247-257.	4.6	34
74	Carbon footprint assessment for a local branded pure milk product: a lifecycle based approach. <i>Food Science and Technology</i> , 2018, 38, 98-105.	0.8	12
75	What contributes to total factor productivity growth in the Chinese banking sector?. <i>Technological and Economic Development of Economy</i> , 2018, 24, 792-811.	2.3	4
76	The effect of new-type urbanization on energy consumption in China: a spatial econometric analysis. <i>Journal of Cleaner Production</i> , 2017, 163, S299-S305.	4.6	110
77	An optimization model for green supply chain management by using a big data analytic approach. <i>Journal of Cleaner Production</i> , 2017, 142, 1085-1097.	4.6	230
78	Sustainability characteristics of China's Poyang Lake Eco-Economics Zone in the big data environment. <i>Journal of Cleaner Production</i> , 2017, 142, 642-653.	4.6	35
79	Analysis on spatial-temporal features of taxis' emissions from big data informed travel patterns: a case of Shanghai, China. <i>Journal of Cleaner Production</i> , 2017, 142, 926-935.	4.6	108
80	Feasibility of a new-generation nighttime light data for estimating in-use steel stock of buildings and civil engineering infrastructures. <i>Resources, Conservation and Recycling</i> , 2017, 123, 11-23.	5.3	36
81	An improved skyline based heuristic for the 2D strip packing problem and its efficient implementation. <i>Computers and Operations Research</i> , 2017, 80, 113-127.	2.4	40
82	How does urbanization affect carbon dioxide emissions? A cross-country panel data analysis. <i>Energy Policy</i> , 2017, 107, 678-687.	4.2	367
83	Carbon emission reduction potentials under different policies in Chinese cities: A scenario-based analysis. <i>Journal of Cleaner Production</i> , 2017, 161, 1226-1236.	4.6	18
84	Scale of Production, Agglomeration and Agricultural Pollutant Treatment: Evidence From a Survey in China. <i>Ecological Economics</i> , 2017, 140, 30-45.	2.9	16
85	Knowledge training and the change of fertilizer use intensity: Evidence from wheat farmers in China. <i>Journal of Environmental Management</i> , 2017, 197, 130-139.	3.8	94
86	Unequal household carbon footprints in China. <i>Nature Climate Change</i> , 2017, 7, 75-80.	8.1	345
87	Chinese airline efficiency under CO2 emissions and flight delays: A stochastic network DEA model. <i>Energy Economics</i> , 2017, 68, 89-108.	5.6	68
88	Spatiotemporal changes and fragmentation of forest land in Jiangxi Province, China. <i>Journal of Forest Economics</i> , 2017, 29, 4-13.	0.1	14
89	Carbon footprint of China's belt and road. <i>Science</i> , 2017, 357, 1107-1107.	6.0	134
90	Eco-benefits assessment on urban industrial symbiosis based on material flows analysis and energy evaluation approach: A case of Liuzhou city, China. <i>Resources, Conservation and Recycling</i> , 2017, 119, 78-88.	5.3	144

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91	Material flows and resource productivity in China, South Korea and Japan from 1970 to 2008: A transitional perspective. <i>Journal of Cleaner Production</i> , 2017, 141, 1164-1177.	4.6	57
92	A Review of Low-Carbon Transformation and Energy Innovation Issues in China. <i>Sustainability</i> , 2017, 9, 1238.	1.6	1
93	Toward a Sustainable Low-Carbon China: A Review of the Special Issue of "Energy Economics and Management". <i>Sustainability</i> , 2016, 8, 823.	1.6	7
94	Industrial Carbon Emissions of China's Regions: A Spatial Econometric Analysis. <i>Sustainability</i> , 2016, 8, 210.	1.6	28
95	Farmers' preferences for livestock pollution control policy in China: a choice experiment method. <i>Journal of Cleaner Production</i> , 2016, 131, 572-582.	4.6	41
96	Sustainable water resource and endogenous economic growth. <i>Technological Forecasting and Social Change</i> , 2016, 112, 237-244.	6.2	17
97	A coin has two sides: Which one is driving China's green TFP growth?. <i>Economic Systems</i> , 2016, 40, 481-498.	1.0	69
98	The energy rebound effects across China's industrial sectors: An output distance function approach. <i>Applied Energy</i> , 2016, 184, 1165-1175.	5.1	44
99	Integral representation of vega for American put options. <i>Finance Research Letters</i> , 2016, 19, 204-208.	3.4	1
100	Marginal abatement cost of pollutants for China: A nonparametric approach. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , 2016, 11, 753-759.	1.8	6
101	Carbon emissions from fossil fuel consumption of Beijing in 2012. <i>Environmental Research Letters</i> , 2016, 11, 114028.	2.2	68
102	Is the hydrogen production from biomass technology really sustainable? Answer by life cycle energy analysis. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 10507-10514.	3.8	17
103	Environmental technical efficiency, technology gap and shadow price of coal-fuelled power plants in China: A parametric meta-frontier analysis. <i>Resources and Energy Economics</i> , 2016, 43, 14-32.	1.1	116
104	Balancing regional industrial development: analysis on regional disparity of China's industrial emissions and policy implications. <i>Journal of Cleaner Production</i> , 2016, 126, 223-235.	4.6	73
105	Carbon emissions dynamics, efficiency gains, and technological innovation in China's industrial sectors. <i>Energy</i> , 2016, 99, 10-19.	4.5	152
106	Carbon emissions reductions and technology gaps in the world's factory, 1990-2012. <i>Energy Policy</i> , 2016, 91, 28-37.	4.2	55
107	The Efficiency and Its Determinants for China's Medical Care System: Some Policy Implications for Northeast Asia. <i>Sustainability</i> , 2015, 7, 14092-14111.	1.6	17
108	Metafrontier Environmental Efficiency for China's Regions: A Slack-Based Efficiency Measure. <i>Sustainability</i> , 2015, 7, 4004-4021.	1.6	27

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109	Sustainability of Trade Liberalization and Antidumping: Evidence from Mexico's Trade Liberalization toward China. <i>Sustainability</i> , 2015, 7, 11484-11503.	1.6	7
110	Regional Water Footprint Assessment: A Case Study of Leshan City. <i>Sustainability</i> , 2015, 7, 16532-16547.	1.6	13
111	On Modeling Environmental Production Characteristics: A Slacks-Based Measure for China's Poyang Lake Ecological Economics Zone. <i>Computational Economics</i> , 2015, 46, 389-404.	1.5	27
112	Environmentally sensitive productivity growth and its decompositions in China: a metafrontier Malmquist-Luenberger productivity index approach. <i>Empirical Economics</i> , 2015, 49, 1017-1043.	1.5	57
113	Toward green IT: Modeling sustainable production characteristics for Chinese electronic information industry, 1980-2012. <i>Technological Forecasting and Social Change</i> , 2015, 96, 62-70.	6.2	79
114	A deterministic parametric metafrontier Luenberger indicator for measuring environmentally-sensitive productivity growth: A Korean fossil-fuel power case. <i>Energy Economics</i> , 2015, 51, 88-98.	5.6	56
115	Renewable energy from pyrolysis using crops and agricultural residuals: An economic and environmental evaluation. <i>Energy</i> , 2015, 90, 1532-1544.	4.5	41
116	Introduction to the Special Issue on "the Sustainable Asia Conference 2014". <i>Sustainability</i> , 2015, 7, 1595-1602.	1.6	9
117	Dynamic total factor carbon emissions performance changes in the Chinese transportation industry. <i>Applied Energy</i> , 2015, 146, 409-420.	5.1	175
118	Strategic corporate sustainability performance of Chinese state-owned listed firms: A meta-frontier generalized directional distance function approach. <i>Social Science Journal</i> , 2015, 52, 300-310.	0.9	15
119	Total-factor carbon emission performance of the Chinese transportation industry: A bootstrapped non-radial Malmquist index analysis. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 41, 584-593.	8.2	206
120	Measuring ecological total-factor energy efficiency incorporating regional heterogeneities in China. <i>Ecological Indicators</i> , 2015, 51, 165-172.	2.6	162
121	Spatiotemporal Pattern and Driving Forces of Arable Land-Use Intensity in China: Toward Sustainable Land Management Using Energy Analysis. <i>Sustainability</i> , 2014, 6, 3504-3520.	1.6	38
122	A note on the evolution of directional distance function and its development in energy and environmental studies 1997-2013. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 33, 50-59.	8.2	199
123	Measuring sustainability performance for China: A sequential generalized directional distance function approach. <i>Economic Modelling</i> , 2014, 41, 392-397.	1.8	50
124	The effect of size-control policy on unified energy and carbon efficiency for Chinese fossil fuel power plants. <i>Energy Policy</i> , 2014, 70, 193-200.	4.2	188
125	Determinants of Farmers' Willingness to Pay and Its Level for Ecological Compensation of Poyang Lake Wetland, China: A Household-Level Survey. <i>Sustainability</i> , 2014, 6, 6714-6728.	1.6	33
126	Measuring sustainability by Energy Efficiency Analysis for Korean Power Companies: A Sequential Slacks-Based Efficiency Measure. <i>Sustainability</i> , 2014, 6, 1414-1426.	1.6	24

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127	Total-factor carbon emission performance of fossil fuel power plants in China: A metafrontier non-radial Malmquist index analysis. <i>Energy Economics</i> , 2013, 40, 549-559.	5.6	331
128	Energy efficiency, CO2 emission performance and technology gaps in fossil fuel electricity generation in Korea: A meta-frontier non-radial directional distance function analysis. <i>Energy Policy</i> , 2013, 56, 653-662.	4.2	316
129	A comparative study of dynamic changes in CO2 emission performance of fossil fuel power plants in China and Korea. <i>Energy Policy</i> , 2013, 62, 324-332.	4.2	135
130	Environmental efficiency analysis of transportation system in China: A non-radial DEA approach. <i>Energy Policy</i> , 2013, 58, 277-283.	4.2	386
131	Environmental energy efficiency of China's regional economies: A non-oriented slacks-based measure analysis. <i>Social Science Journal</i> , 2013, 50, 225-234.	0.9	226
132	Quantitative Ecological Risk Analysis by Evaluating China's Eco-Efficiency and Its Determinants. <i>Human and Ecological Risk Assessment (HERA)</i> , 2013, 19, 1324-1337.	1.7	17
133	Efficiency and abatement costs of energy-related CO2 emissions in China: A slacks-based efficiency measure. <i>Applied Energy</i> , 2012, 98, 198-208.	5.1	500
134	Technical efficiency, shadow price of carbon dioxide emissions, and substitutability for energy in the Chinese manufacturing industries. <i>Energy Economics</i> , 2012, 34, 1492-1497.	5.6	172
135	Air Pollution and Corporate Innovation: Chinese Evidence. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
136	Environmental Regulation and Worker Benefits: Evidence from City-Level Air Quality Standards in China. <i>SSRN Electronic Journal</i> , 0, , .	0.4	4