

Hua Liao

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

107
papers

3,126
citations

30
h-index

53
g-index

116
ext. papers

4,091
ext. citations

7
avg, IF

6.06
L-index

#	Paper	IF	Citations
107	Health effects of cooking fuel transition: A dynamic perspective. <i>Energy</i> , 2022 , 123907	7.9	1
106	Cooking fuel types and the health effects: A field study in China. <i>Energy Policy</i> , 2022 , 167, 113012	7.2	1
105	Pathway comparison of limiting global warming to 2°C. <i>Energy and Climate Change</i> , 2021 , 2, 100063	1.2	1
104	The role of weather conditions in COVID-19 transmission: A study of a global panel of 1236 regions. <i>Journal of Cleaner Production</i> , 2021 , 292, 125987	10.3	8
103	Impacts of urbanization on carbon emissions: An empirical analysis from OECD countries. <i>Energy Policy</i> , 2021 , 151, 112171	7.2	43
102	The role of public energy R&D in energy conservation and transition: Experiences from IEA countries. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 143, 110978	16.2	4
101	COVID-19 and energy: Influence mechanisms and research methodologies. <i>Sustainable Production and Consumption</i> , 2021 , 27, 2134-2152	8.2	15
100	A proposed global layout of carbon capture and storage in line with a 2 °C climate target. <i>Nature Climate Change</i> , 2021 , 11, 112-118	21.4	37
99	Temperature change and electricity consumption of the group living: A case study of college students. <i>Science of the Total Environment</i> , 2021 , 781, 146574	10.2	1
98	A social learning approach to carbon capture and storage demonstration project management: An empirical analysis. <i>Applied Energy</i> , 2021 , 299, 117336	10.7	3
97	The pattern of household energy transition. <i>Energy</i> , 2021 , 234, 121277	7.9	6
96	IMPACTS OF MECHANISMS TO PROMOTE PARTICIPATION IN CLIMATE MITIGATION: BORDER CARBON ADJUSTMENTS VERSUS UNIFORM TARIFF MEASURES. <i>Climate Change Economics</i> , 2020 , 11, 2041007	0.9	6
95	Empirical analysis on the effectiveness of air quality control measures during mega events: Evidence from Beijing, China. <i>Journal of Cleaner Production</i> , 2020 , 271, 122536	10.3	8
94	Integrating cost information in energy efficiency measurement: An empirical study on thermal power companies. <i>Energy Efficiency</i> , 2020 , 13, 697-709	3	1
93	Analysis of consumer attitudes towards autonomous, connected, and electric vehicles: A survey in China. <i>Research in Transportation Economics</i> , 2020 , 80, 100828	2.4	23
92	The status of household heating in northern China: a field survey in towns and villages. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 16145-16158	5.1	8
91	The Nonlinear Impacts of Global Warming on Regional Economic Production: An Empirical Analysis from China. <i>Weather, Climate, and Society</i> , 2020 , 12, 759-769	2.3	1

90	China's fiscal decentralization and environmental quality: theory and an empirical study. <i>Environment and Development Economics</i> , 2020 , 25, 159-181	1.8	35
89	A comparative analysis of the life cycle environmental emissions from wind and coal power: Evidence from China. <i>Journal of Cleaner Production</i> , 2020 , 248, 119192	10.3	30
88	Local government competition on setting emission reduction goals. <i>Science of the Total Environment</i> , 2020 , 745, 141002	10.2	14
87	China's fiscal decentralization and environmental quality: theory and an empirical study [Erratum]. <i>Environment and Development Economics</i> , 2020 , 25, 204-204	1.8	3
86	Weather, travel mode choice, and impacts on subway ridership in Beijing. <i>Transportation Research, Part A: Policy and Practice</i> , 2020 , 135, 264-279	3.7	15
85	Self-preservation strategy for approaching global warming targets in the post-Paris Agreement era. <i>Nature Communications</i> , 2020 , 11, 1624	17.4	39
84	An analysis of research hotspots and modeling techniques on carbon capture and storage. <i>Science of the Total Environment</i> , 2019 , 687, 687-701	10.2	33
83	The demand for coal among China's rural households: Estimates of price and income elasticities. <i>Energy Economics</i> , 2019 , 80, 928-936	8.3	15
82	Fuel choices for cooking in China: Analysis based on multinomial logit model. <i>Journal of Cleaner Production</i> , 2019 , 225, 104-111	10.3	21
81	Revision on China's energy data by sector and fuel type at provincial level. <i>Energy Efficiency</i> , 2019 , 12, 849-861	3	6
80	Do subsidies improve the financial performance of renewable energy companies? Evidence from China. <i>Natural Hazards</i> , 2019 , 95, 241-256	3	17
79	Climate impacts: temperature and electricity consumption. <i>Natural Hazards</i> , 2019 , 99, 1259-1275	3	8
78	Cooking fuel decision-making and family structure: a field study in China. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 24050-24061	5.1	15
77	Assessment of equity principles for international climate policy based on an integrated assessment model. <i>Natural Hazards</i> , 2019 , 95, 309-323	3	13
76	The role of environmental concern in the public acceptance of autonomous electric vehicles: A survey from China. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2019 , 60, 37-46	4.5	122
75	Does one path fit all? An empirical study on the relationship between energy consumption and economic development for individual Chinese provinces. <i>Energy</i> , 2018 , 150, 527-543	7.9	21
74	Household cooking fuel choice and economic poverty: Evidence from a nationwide survey in China. <i>Energy and Buildings</i> , 2018 , 166, 319-329	7	25
73	Carbon dioxide emissions from the electricity sector in major countries: a decomposition analysis. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 6814-6825	5.1	18

72	The pattern of electricity use in residential sector: The experiences from 133 economies. <i>Energy</i> , 2018 , 145, 515-525	7.9	2
71	Frontiers of low-carbon technologies: Results from bibliographic coupling with sliding window. <i>Journal of Cleaner Production</i> , 2018 , 190, 422-431	10.3	10
70	Rural energy policy in China. <i>China Agricultural Economic Review</i> , 2018 , 10, 224-240	3.5	16
69	The Disease Burden of Indoor Air Pollution From Solid Fuel Use in China. <i>Asia-Pacific Journal of Public Health</i> , 2018 , 30, 387-395	2	8
68	Marginal abatement costs of CO2 emissions in the thermal power sector: A regional empirical analysis from China. <i>Journal of Cleaner Production</i> , 2018 , 171, 163-174	10.3	34
67	Economic dispatch savings in the coal-fired power sector: An empirical study of China. <i>Energy Economics</i> , 2018 , 74, 330-342	8.3	29
66	Does natural gas consumption mitigate CO2 emissions: Testing the environmental Kuznets curve hypothesis for 14 Asia-Pacific countries. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 94, 419-429	16.2	145
65	Integrating Sustainability Into City-level CO2 Accounting: Social Consumption Pattern and Income Distribution. <i>Ecological Economics</i> , 2018 , 153, 1-16	5.6	12
64	An integrated assessment of INDCs under Shared Socioeconomic Pathways: an implementation of C3IAM. <i>Natural Hazards</i> , 2018 , 92, 585-618	3	39
63	CO2 emissions, economic and population growth, and renewable energy: Empirical evidence across regions. <i>Energy Economics</i> , 2018 , 75, 180-192	8.3	223
62	Solid fuel use for cooking and its health effects on the elderly in rural China. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 3669-3680	5.1	23
61	Energy Economics 2018 ,		1
60	Global Energy Development and Energy Poverty 2018 , 1-42		1
59	Measurements and General Characteristics of Energy Poverty in China 2018 , 43-72		
58	Energy Poverty in China: A Comprehensive Assessment and Region-specific Comparison 2018 , 73-121		
57	Solid Fuels in Rural and Their Impacts on Resident Health 2018 , 145-174		
56	Energy Poverty Elimination Policies and Actions 2018 , 253-276		
55	Prospects and Challenges of Energy Poverty Mitigation 2018 , 277-294		

54	Social cost of carbon under shared socioeconomic pathways. <i>Global Environmental Change</i> , 2018 , 53, 225-232	10.1	21
53	Income elasticity of cooking fuel substitution in rural China: Evidence from population census data. <i>Journal of Cleaner Production</i> , 2018 , 199, 1083-1091	10.3	10
52	Regional efforts to mitigate climate change in China: a multi-criteria assessment approach. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2017 , 22, 45-66	3.9	39
51	Cooking fuel choice in rural China: results from microdata. <i>Journal of Cleaner Production</i> , 2017 , 142, 538-547	10.3	81
50	Costs and potentials of energy conservation in China's coal-fired power industry: A bottom-up approach considering price uncertainties. <i>Energy Policy</i> , 2017 , 104, 23-32	7.2	48
49	Is the CO2 emissions reduction from scale change, structural change or technology change? Evidence from non-metallic sector of 11 major economies in 1995-2009. <i>Journal of Cleaner Production</i> , 2017 , 148, 148-157	10.3	24
48	Carbon emissions quotas in the Chinese road transport sector: A carbon trading perspective. <i>Energy Policy</i> , 2017 , 106, 298-309	7.2	49
47	Key sectors in carbon footprint responsibility at the city level: a case study of Beijing. <i>International Journal of Climate Change Strategies and Management</i> , 2017 , 9, 749-776	3.9	5
46	Residential Fuel Choice in Rural Areas: Field Research of Two Counties of North China. <i>Sustainability</i> , 2017 , 9, 609	3.6	14
45	Energy economics and climate policy modeling. <i>Annals of Operations Research</i> , 2017 , 255, 1-7	3.2	19
44	CO2 emissions in Beijing: Sectoral linkages and demand drivers. <i>Journal of Cleaner Production</i> , 2017 , 166, 395-407	10.3	26
43	A dynamic forward-citation full path model for technology monitoring: An empirical study from shale gas industry. <i>Applied Energy</i> , 2017 , 205, 769-780	10.7	23
42	Is CO emission a side effect of financial development? An empirical analysis for China. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 21041-21057	5.1	53
41	Toward Decoupling: Growing GDP without Growing Carbon Emissions. <i>Environmental Science & Technology</i> , 2016 , 50, 11435-11436	10.3	14
40	Energy Economics: Energy Efficiency in China 2016 ,		2
39	The impacts of migrant workers consumption on energy use and CO2 emissions in China. <i>Natural Hazards</i> , 2016 , 81, 725-743	3	10
38	How China's current energy pricing mechanisms will impact its marginal carbon abatement costs?. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2016 , 21, 799-821	3.9	8
37	Solid fuel use in rural China and its health effects. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 60, 900-908	16.2	48

36	Prospects of China's Energy Efficiency 2016 , 319-339		
35	Energy Saving Potential from End-Use Efficiency Improvements and Its Socioeconomic Impacts 2016 , 299-318		
34	Relationship Between Energy Efficiency and the Economic System: Measuring Energy Efficiency 2016 , 53-80		
33	Energy Development in the World and China 2016 , 1-51		
32	China's Regional Energy Efficiency 2016 , 249-276		
31	Energy Efficiency in Developed Countries and Its Implications for China 2016 , 277-297		
30	Impact of Economic Structural Changes on Energy Macro-efficiency 2016 , 81-118		
29	Residential Energy Consumption 2016 , 119-166		
28	Energy Efficiency in Key Sectors 2016 , 167-232		
27	The Relationship between Residential Electricity Consumption and Income: A Piecewise Linear Model with Panel Data. <i>Energies</i> , 2016 , 9, 831	3.1	18
26	Impacts of OPEC's political risk on the international crude oil prices: An empirical analysis based on the SVAR models. <i>Energy Economics</i> , 2016 , 57, 42-49	8.3	72
25	Why did the historical energy forecasting succeed or fail? A case study on IEA's projection. <i>Technological Forecasting and Social Change</i> , 2016 , 107, 90-96	9.5	6
24	A multi-period power generation planning model incorporating the non-carbon external costs: A case study of China. <i>Applied Energy</i> , 2016 , 183, 1333-1345	10.7	41
23	Measuring energy economic efficiency: A mathematical programming approach. <i>Applied Energy</i> , 2016 , 179, 479-487	10.7	14
22	China's farewell to coal: A forecast of coal consumption through 2020. <i>Energy Policy</i> , 2015 , 86, 444-455	7.2	108
21	Is the price elasticity of demand for coal in China increasing?. <i>China Economic Review</i> , 2015 , 36, 309-322	3.9	22
20	Spatial-temporal variations of embodied carbon emission in global trade flows: 41 economies and 35 sectors. <i>Natural Hazards</i> , 2015 , 78, 1125-1144	3	27
19	Road transport energy consumption in the G7 and BRICS: 1973-2010. <i>International Journal of Global Energy Issues</i> , 2015 , 38, 342	0.3	6

18	Is China's carbon reduction target allocation reasonable? An analysis based on carbon intensity convergence. <i>Applied Energy</i> , 2015 , 142, 229-239	10.7	88
17	Divisia decomposition method and its application to changes of net oil import intensity. <i>Transactions of Tianjin University</i> , 2014 , 20, 72-78	2.9	
16	Energy poverty and solid fuels use in rural China: Analysis based on national population census. <i>Energy for Sustainable Development</i> , 2014 , 23, 122-129	5.4	72
15	The fluctuations of China's energy intensity: Biased technical change. <i>Applied Energy</i> , 2014 , 135, 407-414	10.7	28
14	China's carbon mitigation strategies: Enough?. <i>Energy Policy</i> , 2014 , 73, 47-56	7.2	27
13	The differences of carbon intensity reduction rate across 89 countries in recent three decades. <i>Applied Energy</i> , 2014 , 113, 808-815	10.7	52
12	Responsibility accounting in carbon allocation: A global perspective. <i>Applied Energy</i> , 2014 , 130, 122-133	10.7	61
11	Structural decomposition analysis on energy intensity changes at regional level. <i>Transactions of Tianjin University</i> , 2013 , 19, 287-292	2.9	9
10	Energy conservation in China: Key provincial sectors at two-digit level. <i>Applied Energy</i> , 2013 , 104, 457-465	10.7	13
9	How does carbon dioxide emission change with the economic development? Statistical experiences from 132 countries. <i>Global Environmental Change</i> , 2013 , 23, 1073-1082	10.1	83
8	Residential carbon emission evolutions in urban-rural divided China: An end-use and behavior analysis. <i>Applied Energy</i> , 2013 , 101, 323-332	10.7	121
7	Will the aggregation approach affect energy efficiency performance assessment?. <i>Renewable and Sustainable Energy Reviews</i> , 2012 , 16, 4537-4542	16.2	4
6	Impact of removal of city gas subsidies on Chinese urban residents. <i>Transactions of Tianjin University</i> , 2012 , 18, 309-314	2.9	3
5	China's energy consumption: A perspective from Divisia aggregation approach. <i>Energy</i> , 2010 , 35, 28-34	7.9	34
4	China targets 20% reduction in energy intensity by 2010. <i>International Journal of Global Energy Issues</i> , 2009 , 31, 10	0.3	1
3	An empirical analysis of energy efficiency in China's iron and steel sector. <i>Energy</i> , 2007 , 32, 2262-2270	7.9	240
2	What induced China's energy intensity to fluctuate: 1997-2006?. <i>Energy Policy</i> , 2007 , 35, 4640-4649	7.2	165
1	Can market oriented economic reforms contribute to energy efficiency improvement? Evidence from China. <i>Energy Policy</i> , 2007 , 35, 2287-2295	7.2	105

