Hua Liao

List of Publications by Citations

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	An empirical analysis of energy efficiency in China's iron and steel sector. *Energy*, **2007**, 32, 2262-2270	7.9	240
106	CO2 emissions, economic and population growth, and renewable energy: Empirical evidence across regions. *Energy Economics*, **2018**, 75, 180-192	8.3	223
105	What induced China's energy intensity to fluctuate: 1997–2006?. *Energy Policy*, **2007**, 35, 4640-4649	7.2	165
104	Does natural gas consumption mitigate CO2 emissions: Testing the environmental Kuznets curve hypothesis for 14 Asia-Pacific countries. *Renewable and Sustainable Energy Reviews*, **2018**, 94, 419-429	16.2	145
103	The role of environmental concern in the public acceptance of autonomous electric vehicles: A survey from China. *Transportation Research Part F: Traffic Psychology and Behaviour*, **2019**, 60, 37-46	4.5	122
102	Residential carbon emission evolutions in urban–rural divided China: An end-use and behavior analysis. *Applied Energy*, **2013**, 101, 323-332	10.7	121
101	China's farewell to coal: A forecast of coal consumption through 2020. *Energy Policy*, **2015**, 86, 444-455	7.2	108
100	Can market oriented economic reforms contribute to energy efficiency improvement? Evidence from China. *Energy Policy*, **2007**, 35, 2287-2295	7.2	105
99	Is China's carbon reduction target allocation reasonable? An analysis based on carbon intensity convergence. *Applied Energy*, **2015**, 142, 229-239	10.7	88
98	How does carbon dioxide emission change with the economic development? Statistical experiences from 132 countries. *Global Environmental Change*, **2013**, 23, 1073-1082	10.1	83
97	Cooking fuel choice in rural China: results from microdata. *Journal of Cleaner Production*, **2017**, 142, 538-547	5.7	81
96	Energy poverty and solid fuels use in rural China: Analysis based on national population census. *Energy for Sustainable Development*, **2014**, 23, 122-129	5.4	72
95	Impacts of OPEC's political risk on the international crude oil prices: An empirical analysis based on the SVAR models. *Energy Economics*, **2016**, 57, 42-49	8.3	72
94	Responsibility accounting in carbon allocation: A global perspective. *Applied Energy*, **2014**, 130, 122-133	10.7	61
93	Is CO emission a side effect of financial development? An empirical analysis for China. *Environmental Science and Pollution Research*, **2016**, 23, 21041-21057	5.1	53
92	The differences of carbon intensity reduction rate across 89 countries in recent three decades. *Applied Energy*, **2014**, 113, 808-815	10.7	52
91	Carbon emissions quotas in the Chinese road transport sector: A carbon trading perspective. *Energy Policy*, **2017**, 106, 298-309	7.2	49

90	Costs and potentials of energy conservation in China's coal-fired power industry: A bottom-up approach considering price uncertainties. *Energy Policy*, **2017**, 104, 23-32	7.2	48
89	Solid fuel use in rural China and its health effects. *Renewable and Sustainable Energy Reviews*, **2016**, 60, 900-908	16.2	48
88	Impacts of urbanization on carbon emissions: An empirical analysis from OECD countries. *Energy Policy*, **2021**, 151, 112171	7.2	43
87	A multi-period power generation planning model incorporating the non-carbon external costs: A case study of China. *Applied Energy*, **2016**, 183, 1333-1345	10.7	41
86	Regional efforts to mitigate climate change in China: a multi-criteria assessment approach. *Mitigation and Adaptation Strategies for Global Change*, **2017**, 22, 45-66	3.9	39
85	An integrated assessment of INDCs under Shared Socioeconomic Pathways: an implementation of C3IAM. *Natural Hazards*, **2018**, 92, 585-618	3	39
84	Self-preservation strategy for approaching global warming targets in the post-Paris Agreement era. *Nature Communications*, **2020**, 11, 1624	17.4	39
83	A proposed global layout of carbon capture and storage in line with a 2 °C climate target. *Nature Climate Change*, **2021**, 11, 112-118	21.4	37
82	China's fiscal decentralization and environmental quality: theory and an empirical study. *Environment and Development Economics*, **2020**, 25, 159-181	1.8	35
81	Marginal abatement costs of CO2 emissions in the thermal power sector: A regional empirical analysis from China. *Journal of Cleaner Production*, **2018**, 171, 163-174	10.3	34
80	China's energy consumption: A perspective from Divisia aggregation approach. *Energy*, **2010**, 35, 28-34	7.9	34
79	An analysis of research hotspots and modeling techniques on carbon capture and storage. *Science of the Total Environment*, **2019**, 687, 687-701	10.2	33
78	A comparative analysis of the life cycle environmental emissions from wind and coal power: Evidence from China. *Journal of Cleaner Production*, **2020**, 248, 119192	10.3	30
77	Economic dispatch savings in the coal-fired power sector: An empirical study of China. *Energy Economics*, **2018**, 74, 330-342	8.3	29
76	The fluctuations of China energy intensity: Biased technical change. *Applied Energy*, **2014**, 135, 407-414	10.7	28
75	China?s carbon mitigation strategies: Enough?. *Energy Policy*, **2014**, 73, 47-56	7.2	27
74	Spatial emporal variations of embodied carbon emission in global trade flows: 41 economies and 35 sectors. *Natural Hazards*, **2015**, 78, 1125-1144	3	27
73	CO2 emissions in Beijing: Sectoral linkages and demand drivers. *Journal of Cleaner Production*, **2017**, 166, 395-407	10.3	26

72	Household cooking fuel choice and economic poverty: Evidence from a nationwide survey in China. *Energy and Buildings*, **2018**, 166, 319-329	7	25
71	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. *Journal of Cleaner Production*, **2017**, 148, 148-157	10.3	24
70	Analysis of consumer attitudes towards autonomous, connected, and electric vehicles: A survey in China. *Research in Transportation Economics*, **2020**, 80, 100828	2.4	23
69	A dynamic forward-citation full path model for technology monitoring: An empirical study from shale gas industry. *Applied Energy*, **2017**, 205, 769-780	10.7	23
68	Solid fuel use for cooking and its health effects on the elderly in rural China. *Environmental Science and Pollution Research*, **2018**, 25, 3669-3680	5.1	23
67	Is the price elasticity of demand for coal in China increasing?. *China Economic Review*, **2015**, 36, 309-322	3.9	22
66	Fuel choices for cooking in China: Analysis based on multinomial logit model. *Journal of Cleaner Production*, **2019**, 225, 104-111	10.3	21
65	Does one path fit all? An empirical study on the relationship between energy consumption and economic development for individual Chinese provinces. *Energy*, **2018**, 150, 527-543	7.9	21
64	Social cost of carbon under shared socioeconomic pathways. *Global Environmental Change*, **2018**, 53, 225-232	10.1	21
63	Energy economics and climate policy modeling. *Annals of Operations Research*, **2017**, 255, 1-7	3.2	19
62	Carbon dioxide emissions from the electricity sector in major countries: a decomposition analysis. *Environmental Science and Pollution Research*, **2018**, 25, 6814-6825	5.1	18
61	The Relationship between Residential Electricity Consumption and Income: A Piecewise Linear Model with Panel Data. *Energies*, **2016**, 9, 831	3.1	18
60	Do subsidies improve the financial performance of renewable energy companies? Evidence from China. *Natural Hazards*, **2019**, 95, 241-256	3	17
59	Rural energy policy in China. *China Agricultural Economic Review*, **2018**, 10, 224-240	3.5	16
58	The demand for coal among China's rural households: Estimates of price and income elasticities. *Energy Economics*, **2019**, 80, 928-936	8.3	15
57	Cooking fuel decision-making and family structure: a field study in China. *Environmental Science and Pollution Research*, **2019**, 26, 24050-24061	5.1	15
56	COVID-19 and energy: Influence mechanisms and research methodologies. *Sustainable Production and Consumption*, **2021**, 27, 2134-2152	8.2	15
55	Weather, travel mode choice, and impacts on subway ridership in Beijing. *Transportation Research, Part A: Policy and Practice*, **2020**, 135, 264-279	3.7	15

54	Residential Fuel Choice in Rural Areas: Field Research of Two Counties of North China. *Sustainability* , **2017**, 9, 609	3.6	14
53	Toward Decoupling: Growing GDP without Growing Carbon Emissions. *Environmental Science & Technology*, **2016**, 50, 11435-11436	10.3	14
52	Local government competition on setting emission reduction goals. *Science of the Total Environment*, **2020**, 745, 141002	10.2	14
51	Measuring energy economic efficiency: A mathematical programming approach. *Applied Energy*, **2016**, 179, 479-487	10.7	14
50	Energy conservation in China: Key provincial sectors at two-digit level. *Applied Energy*, **2013**, 104, 457-465	10.7	13
49	Assessment of equity principles for international climate policy based on an integrated assessment model. *Natural Hazards*, **2019**, 95, 309-323	3	13
48	Integrating Sustainability Into City-level CO2 Accounting: Social Consumption Pattern and Income Distribution. *Ecological Economics*, **2018**, 153, 1-16	5.6	12
47	Frontiers of low-carbon technologies: Results from bibliographic coupling with sliding window. *Journal of Cleaner Production*, **2018**, 190, 422-431	10.3	10
46	The impacts of migrant workers consumption on energy use and CO2 emissions in China. *Natural Hazards*, **2016**, 81, 725-743	3	10
45	Income elasticity of cooking fuel substitution in rural China: Evidence from population census data. *Journal of Cleaner Production*, **2018**, 199, 1083-1091	10.3	10
44	Structural decomposition analysis on energy intensity changes at regional level. *Transactions of Tianjin University*, **2013**, 19, 287-292	2.9	9
43	Empirical analysis on the effectiveness of air quality control measures during mega events: Evidence from Beijing, China. *Journal of Cleaner Production*, **2020**, 271, 122536	10.3	8
42	The status of household heating in northern China: a field survey in towns and villages. *Environmental Science and Pollution Research*, **2020**, 27, 16145-16158	5.1	8
41	The Disease Burden of Indoor Air Pollution From Solid Fuel Use in China. *Asia-Pacific Journal of Public Health*, **2018**, 30, 387-395	2	8
40	How China□s current energy pricing mechanisms will impact its marginal carbon abatement costs?. *Mitigation and Adaptation Strategies for Global Change*, **2016**, 21, 799-821	3.9	8
39	Climate impacts: temperature and electricity consumption. *Natural Hazards*, **2019**, 99, 1259-1275	3	8
38	The role of weather conditions in COVID-19 transmission: A study of a global panel of 1236 regions. *Journal of Cleaner Production*, **2021**, 292, 125987	10.3	8
37	IMPACTS OF MECHANISMS TO PROMOTE PARTICIPATION IN CLIMATE MITIGATION: BORDER CARBON ADJUSTMENTS VERSUS UNIFORM TARIFF MEASURES. *Climate Change Economics*, **2020**, 11, 2041007	0.9	6

36	Revision on China energy data by sector and fuel type at provincial level. *Energy Efficiency*, **2019**, 12, 849-861	3	6
35	Road transport energy consumption in the G7 and BRICS: 1973-2010. *International Journal of Global Energy Issues*, **2015**, 38, 342	0.3	6
34	Why did the historical energy forecasting succeed or fail? A case study on IEA's projection. *Technological Forecasting and Social Change*, **2016**, 107, 90-96	9.5	6
33	The pattern of household energy transition. *Energy*, **2021**, 234, 121277	7.9	6
32	Key sectors in carbon footprint responsibility at the city level: a case study of Beijing. *International Journal of Climate Change Strategies and Management*, **2017**, 9, 749-776	3.9	5
31	Will the aggregation approach affect energy efficiency performance assessment?. *Renewable and Sustainable Energy Reviews*, **2012**, 16, 4537-4542	16.2	4
30	The role of public energy R&D in energy conservation and transition: Experiences from IEA countries. *Renewable and Sustainable Energy Reviews*, **2021**, 143, 110978	16.2	4
29	Impact of removal of city gas subsidies on Chinese urban residents. *Transactions of Tianjin University* , **2012**, 18, 309-314	2.9	3
28	China's fiscal decentralization and environmental quality: theory and an empirical study Erratum. *Environment and Development Economics*, **2020**, 25, 204-204	1.8	3
27	A social learning approach to carbon capture and storage demonstration project management: An empirical analysis. *Applied Energy*, **2021**, 299, 117336	10.7	3
26	The pattern of electricity use in residential sector: The experiences from 133 economies. *Energy*, **2018**, 145, 515-525	7.9	2
25	Energy Economics: Energy Efficiency in China **2016**,		2
24	Integrating cost information in energy efficiency measurement: An empirical study on thermal power companies. *Energy Efficiency*, **2020**, 13, 697-709	3	1
23	China targets 20% reduction in energy intensity by 2010. *International Journal of Global Energy Issues*, **2009**, 31, 10	0.3	1
22	The Nonlinear Impacts of Global Warming on Regional Economic Production: An Empirical Analysis from China. *Weather, Climate, and Society*, **2020**, 12, 759-769	2.3	1
21	Pathway comparison of limiting global warming to 2 C. *Energy and Climate Change*, **2021**, 2, 100063	1.2	1
20	Energy Economics **2018**,		1
19	Global Energy Development and Energy Poverty **2018**, 1-42		1

18	Temperature change and electricity consumption of the group living: A case study of college students. *Science of the Total Environment*, **2021**, 781, 146574	10.2	1
17	Health effects of cooking fuel transition: A dynamic perspective. *Energy*, **2022**, 123907	7.9	1
16	Cooking fuel types and the health effects: A field study in China. *Energy Policy*, **2022**, 167, 113012	7.2	1
15	Divisia decomposition method and its application to changes of net oil import intensity. *Transactions of Tianjin University*, **2014**, 20, 72-78	2.9	
14	Prospects of China Energy Efficiency **2016**, 319-339		
13	Energy Saving Potential from End-Use Efficiency Improvements and Its Socioeconomic Impacts **2016**, 299-318		
12	Relationship Between Energy Efficiency and the Economic System: Measuring Energy Efficiency **2016**, 53-80		
11	Energy Development in the World and China **2016**, 1-51		
10	China Regional Energy Efficiency **2016**, 249-276		
9	Energy Efficiency in Developed Countries and Its Implications for China **2016**, 277-297		
8	Impact of Economic Structural Changes on Energy Macro-efficiency **2016**, 81-118		
7	Residential Energy Consumption **2016**, 119-166		
6	Energy Efficiency in Key Sectors **2016**, 167-232		
5	Measurements and General Characteristics of Energy Poverty in China **2018**, 43-72		
4	Energy Poverty in China: A Comprehensive Assessment and Region-specific Comparison **2018**, 73-121		
3	Solid Fuels in Rural and Their Impacts on Resident Health **2018**, 145-174		
2	Energy Poverty Elimination Policies and Actions **2018**, 253-276		
1	Prospects and Challenges of Energy Poverty Mitigation **2018**, 277-294		