Jiahai Yuan

List of Publications by Citations

112 papers	3,373 citations	30 h-index	55 g-index
132 ext. papers	4,281 ext. citations	7.9 avg, IF	6.06 L-index

#	Paper	IF	Citations
112	Energy consumption and economic growth: Evidence from China at both aggregated and disaggregated levels. *Energy Economics*, **2008**, 30, 3077-3094	8.3	359
111	Electricity consumption and economic growth in China: Cointegration and co-feature analysis. *Energy Economics*, **2007**, 29, 1179-1191	8.3	273
110	Total-factor energy efficiency in developing countries. *Energy Policy*, **2011**, 39, 644-650	7.2	245
109	Peak energy consumption and CO2 emissions in China. *Energy Policy*, **2014**, 68, 508-523	7.2	134
108	Coal use for power generation in China. *Resources, Conservation and Recycling*, **2018**, 129, 443-453	11.9	98
107	China's energy revolution strategy into 2030. *Resources, Conservation and Recycling*, **2018**, 128, 78-89	11.9	87
106	Coal power overcapacity and investment bubble in China during 2015–2020. *Energy Policy*, **2016**, 97, 136-144	7.2	86
105	Energy conservation and emissions reduction in China's progress and prospective. *Renewable and Sustainable Energy Reviews*, **2011**, 15, 4334-4347	16.2	85
104	Review on wind power development and relevant policies in China during the 11th Five-Year-Plan period. *Renewable and Sustainable Energy Reviews*, **2012**, 16, 1907-1915	16.2	75
103	China's 2020 clean energy target: Consistency, pathways and policy implications. *Energy Policy*, **2014**, 65, 692-700	7.2	74
102	Analyzing the effect of natural gas, nuclear energy and renewable energy on GDP and carbon emissions: A multi-variate panel data analysis. *Energy*, **2021**, 219, 119592	7.9	70
101	Decomposition of aggregate CO2 emissions within a joint production framework. *Energy Economics* , **2012**, 34, 1088-1097	8.3	66
100	ESG and Corporate Financial Performance: Empirical Evidence from China's Listed Power Generation Companies. *Sustainability*, **2018**, 10, 2607	3.6	65
99	Smart grids in China. *Renewable and Sustainable Energy Reviews*, **2014**, 37, 896-906	16.2	63
98	Decision support for choice optimal power generation projects: Fuzzy comprehensive evaluation model based on the electricity market. *Energy Policy*, **2006**, 34, 3359-3364	7.2	60
97	Study on China's low carbon development in an Economy–Energy–Electricity–Environment framework. *Energy Policy*, **2011**, 39, 2596-2605	7.2	59
96	Investment risk assessment of coal-fired power plants in countries along the Belt and Road initiative based on ANP-Entropy-TODIM method. *Energy*, **2019**, 176, 623-640	7.9	58

95	China's 2020 carbon intensity target: Consistency, implementations, and policy implications. *Renewable and Sustainable Energy Reviews*, **2012**, 16, 4970-4981	16.2	58
94	The economy of distributed PV in China. *Energy*, **2014**, 78, 939-949	7.9	56
93	Low carbon electricity development in China—An IRSP perspective based on Super Smart Grid. *Renewable and Sustainable Energy Reviews*, **2011**, 15, 2707-2713	16.2	49
92	The economics of coal power generation in China. *Energy Policy*, **2017**, 105, 1-9	7.2	48
91	Penetration of clean coal technology and its impact on China's power industry. *Energy Strategy Reviews*, **2015**, 7, 1-8	9.8	48
90	A plant-by-plant strategy for high-ambition coal power phaseout in China. *Nature Communications*, **2021**, 12, 1468	17.4	47
89	Comprehensive evaluation of national electric power development based on cloud model and entropy method and TOPSIS: A case study in 11 countries. *Journal of Cleaner Production*, **2020**, 277, 123190	10.3	46
88	Coal power flexibility, energy efficiency and pollutant emissions implications in China: A plant-level analysis based on case units. *Resources, Conservation and Recycling*, **2018**, 134, 184-195	11.9	39
87	The Economics of Wind Power in China and Policy Implications. *Energies*, **2015**, 8, 1529-1546	3.1	38
86	Wind power supply chain in China. *Renewable and Sustainable Energy Reviews*, **2014**, 39, 356-369	16.2	34
85	Coal power overcapacity in China: Province-Level estimates and policy implications. *Resources, Conservation and Recycling*, **2018**, 137, 89-100	11.9	31
84	Total-Factor Energy Efficiency in BRI Countries: An Estimation Based on Three-Stage DEA Model. *Sustainability*, **2018**, 10, 278	3.6	30
83	Economic growth, energy consumption, and carbon emission nexus: fresh evidence from developing countries. *Environmental Science and Pollution Research*, **2019**, 26, 26367-26380	5.1	30
82	The prospective of coal power in China: Will it reach a plateau in the coming decade?. *Energy Policy*, **2016**, 98, 495-504	7.2	30
81	Economic and carbon emission impacts of electricity market transition in China: A case study of Guangdong Province. *Applied Energy*, **2019**, 238, 1093-1107	10.7	29
80	Greenhouse gas emission factors of purchased electricity from interconnected grids. *Applied Energy* , **2016**, 184, 751-758	10.7	29
79	Carbon emissions performance regulation for China's top generation groups by 2020: Too challenging to realize?. *Resources, Conservation and Recycling*, **2017**, 122, 326-334	11.9	28
78	Wind turbine manufacturing in China: A review. *Renewable and Sustainable Energy Reviews*, **2015**, 51, 1235-1244	16.2	27

77	Nonlinear integrated resource strategic planning model and case study in China's power sector planning. *Energy*, **2014**, 67, 27-40	7.9	27
76	An empirical analysis of the non-linear effects of natural gas, nuclear energy, renewable energy and ICT-Trade in leading CO emitter countries: Policy towards CO mitigation and economic sustainability. *Journal of Environmental Management*, **2021**, 286, 112232	7.9	26
75	Air quality and climate benefits of long-distance electricity transmission in China. *Environmental Research Letters*, **2017**, 12, 064012	6.2	22
74	Virtual CO Emission Flows in the Global Electricity Trade Network. *Environmental Science & Technology*, **2018**, 52, 6666-6675	10.3	21
73	Challenges and strategies for electricity market transition in China. *Energy Policy*, **2019**, 133, 110899	7.2	20
72	Will recent boom in coal power lead to a bust in China? A micro-economic analysis. *Energy Policy*, **2017**, 108, 645-656	7.2	19
71	Carbon emission intensity of electricity generation in Belt and Road Initiative countries: a benchmarking analysis. *Environmental Science and Pollution Research*, **2019**, 26, 15057-15068	5.1	18
70	Managing electric power system transition in China. *Renewable and Sustainable Energy Reviews*, **2012**, 16, 5660-5677	16.2	18
69	Transition of China's power sector consistent with Paris Agreement into 2050: Pathways and challenges. *Renewable and Sustainable Energy Reviews*, **2020**, 132, 110102	16.2	18
68	An integrated approach for allocating carbon emission quotas in China□ emissions trading system. *Resources, Conservation and Recycling*, **2019**, 143, 291-298	11.9	17
67	The role of national carbon pricing in phasing out China's coal power. *IScience*, **2021**, 24, 102655	6.1	17
66	The Prospective of Nuclear Power in China. *Sustainability*, **2018**, 10, 2086	3.6	15
65	Hybrid Energy Scheduling in a Renewable Micro Grid. *Applied Sciences (Switzerland)*, **2015**, 5, 516-531	2.6	15
64	Scenario-Based Analysis on Water Resources Implication of Coal Power in Western China. *Sustainability*, **2014**, 6, 7155-7180	3.6	15
63	Analyzing the relationship between economic growth and electricity consumption from renewable and non-renewable sources: Fresh evidence from newly industrialized countries. *Sustainable Energy Technologies and Assessments*, **2021**, 44, 100991	4.7	15
62	Electric Power Investment Risk Assessment for Belt and Road Initiative Nations. *Sustainability*, **2018**, 10, 3119	3.6	15
61	Causality Relationship Between Electricity Supply and Economic Growth: Evidence from Pakistan. *Energies*, **2020**, 13, 837	3.1	14
60	Deregulation of power generation planning and elimination of coal power subsidy in China. *Utilities Policy*, **2019**, 57, 1-15	3.3	13

59	Feed-In Tariff for Onshore Wind Power in China. *Emerging Markets Finance and Trade*, **2016**, 52, 1427-1437	3.5	12
58	Impact Analysis of Air Pollutant Emission Policies on Thermal Coal Supply Chain Enterprises in China. *Sustainability*, **2015**, 7, 75-95	3.6	12
57	Renewable electricity generation and economic growth nexus in developing countries: An ARDL approach. *Economic Research-Ekonomska Istrazivanja*, **2021**, 34, 2423-2446	2.5	12
56	A realistic pathway for coal-fired power in China from 2020 to 2030. *Journal of Cleaner Production*, **2020**, 275, 122859	10.3	11
55	Impact of a Balanced Scorecard as a Strategic Management System Tool to Improve Sustainable Development: Measuring the Mediation of Organizational Performance through PLS-Smart. *Sustainability*, **2020**, 12, 1365	3.6	10
54	Assessing the Environmental Impact Caused by Power Grid Projects in High Altitude Areas Based on BWM and Vague Sets Techniques. *Sustainability*, **2018**, 10, 1768	3.6	10
53	Can dispersed wind power take off in China: A technical & institutional economics analysis. *Journal of Cleaner Production*, **2020**, 256, 120475	10.3	9
52	The economy of wind-integrated-energy-storage projects in China's upcoming power market: A real options approach. *Resources Policy*, **2019**, 63, 101434	7.2	9
51	Promoting global CCS RDD&D by stronger U.S.–China collaboration. *Renewable and Sustainable Energy Reviews*, **2012**, 16, 6746-6769	16.2	9
50	Customer Response Under Time-of-Use Electricity Pricing Policy Based on Multi-Agent System Simulation **2006**,		9
49	Coal power in China: A multi-level perspective review. *Wiley Interdisciplinary Reviews: Energy and Environment*, **2020**, 9, e386	4.7	9
48	Investigating the impact of renewable electricity consumption on sustainable economic development: a panel ARDL approach. *International Journal of Green Energy*, **2021**, 18, 1185-1192	3	9
47	Economic Decision-Making for Coal Power Flexibility Retrofitting and Compensation in China. *Sustainability*, **2018**, 10, 348	3.6	8
46	Learning of Power Technologies in China: Staged Dynamic Two-Factor Modeling and Empirical Evidence. *Sustainability*, **2017**, 9, 861	3.6	8
45	Environmental implications of China's wind-coal combined power generation system. *Resources, Conservation and Recycling*, **2019**, 142, 24-33	11.9	8
44	Driving forces of carbon emissions in China: a provincial analysis. *Environmental Science and Pollution Research*, **2021**, 28, 21455-21470	5.1	8
43	China's power transition under the global 1.5 °C target: preliminary feasibility study and prospect. *Environmental Science and Pollution Research*, **2020**, 27, 15113-15129	5.1	7
42	Optimal Site Selection of Wind-Solar Complementary Power Generation Project for a Large-Scale Plug-In Charging Station. *Sustainability*, **2017**, 9, 1994	3.6	7

41	Energy Conservation and Emissions Reduction in China Power Sector: Alternative Scenarios Up to 2020. *Energies*, **2016**, 9, 266	3.1	7
40	Will the Steam Coal Price Rebound under the New Economy Normalcy in China?. *Energies*, **2016**, 9, 751	3.1	7
39	Environmental Stress Testing for China Overseas Coal Power Investment Project. *Sustainability*, **2019**, 11, 5506	3.6	6
38	Levelized cost of offshore wind power in China. *Environmental Science and Pollution Research*, **2021**, 28, 25614-25627	5.1	6
37	China NEV market development and its capability of enabling premium NEV: Referencing from the NEV market performance of BMW and Mercedes in China. *Transportation Research, Part A: Policy and Practice*, **2018**, 118, 545-555	3.7	6
36	The economics of peaking power resources in China: Screening curve analysis and policy implications. *Resources, Conservation and Recycling*, **2020**, 158, 104826	11.9	5
35	The recent history and successes of China's energy efficiency policy. *Wiley Interdisciplinary Reviews: Energy and Environment*, **2016**, 5, 715-730	4.7	5
34	Coal Power Environmental Stress Testing in China. *Sustainability*, **2018**, 10, 2151	3.6	5
33	The Flexible Operation of Coal Power and Its Renewable Integration Potential in China. *Sustainability*, **2019**, 11, 4424	3.6	5
32	Dynamic Integrated Resource Strategic Planning Model: A Case Study of China Power Sector Planning into 2050. *Sustainability*, **2017**, 9, 1177	3.6	5
31	**2008**,		5
30	Stranded Coal Power Assets in China: A Case Study of Jilin Province. *Emerging Markets Finance and Trade*, **2019**, 55, 2673-2688	3.5	5
29	Electricity Consumption and Economic Growth in BRI Countries: Panel Causality and Policy Implications. *Emerging Markets Finance and Trade*, **2021**, 57, 859-874	3.5	5
28	Can China Realize the Grid Parity Target of Centralized Photovoltaic Power by 2020?. *Emerging Markets Finance and Trade*, **2021**, 57, 740-756	3.5	5
27	Human Development Index, ICT, and Renewable Energy-Growth Nexus for Sustainable Development: A Novel PVAR Analysis. *Frontiers in Energy Research*, **2021**, 9,	3.8	4
26	Why Has China Overinvested in Coal Power?. *Energy Journal*, **2021**, 42,	3.5	4
25	A Life Cycle Analysis of Deploying Coking Technology to Utilize Low-Rank Coal in China. *Sustainability*, **2020**, 12, 4884	3.6	3
24	Sustainable Energy Policy in China: Economic Issues and Policy Challenges. *Emerging Markets Finance and Trade*, **2016**, 52, 1279-1280	3.5	3

23	Income Growth, Energy Consumption and Carbon Emissions in China **2008**,		3
22	Driving factors of carbon emissions in China's municipalities: a LMDI approach. *Environmental Science and Pollution Research*, **2021**, 1	5.1	3
21	Energy Efficiency and Conservation in China's Power Sector: Progress and Prospects. *SpringerBriefs in Environment, Security, Development and Peace*, **2016**, 5-21	0.1	3
20	Deepening Supply-Side Structural Reforms in Coal Power with a Power Market. *Emerging Markets Finance and Trade*, **2021**, 57, 773-785	3.5	3
19	The economics of renewable energy power in China. *Clean Technologies and Environmental Policy*, **2021**, 23, 1341-1351	4.3	3
18	Estimating stranded coal assets in China's power sector. *Utilities Policy*, **2022**, 75, 101352	3.3	3
17	Developing Distributed PV in Beijing: Deployment Potential and Economics. *Frontiers in Energy Research*, **2020**, 7,	3.8	2
16	Wind power integration and emission reduction via coal power retrofits in China's quota-based dispatch system: a case study of Jilin Province. *Environmental Science and Pollution Research*, **2020**, 27, 11364-11374	5.1	2
15	Assessing the Credit Risk of Corporate Bonds Based on Factor Analysis and Logistic Regress Analysis Techniques: Evidence from New Energy Enterprises in China. *Sustainability*, **2018**, 10, 1457	3.6	2
14	Economical Efficiency of Combined Cooling Heating and Power Systems Based on an Enthalpy Method. *Energies*, **2017**, 10, 1821	3.1	2
13	A system dynamics modeling on wind grid parity in China. *Journal of Cleaner Production*, **2020**, 247, 119170	10.3	2
12	Structural distortion and the shortage of peak-load power resources in China: A screening curve approach and case study of Shandong Province. *Utilities Policy*, **2021**, 70, 101224	3.3	2
11	Peer-to-peer trade and the economy of distributed PV in China. *Journal of Cleaner Production*, **2021**, 280, 124500	10.3	2
10	Quantifying stranded assets of the coal-fired power in China under the Paris Agreement target. *Climate Policy*,1-14	5.3	2
9	Does nuclear or renewable energy consumption help to control environmental pollution? New evidence from China. *Renewable Energy Focus*, **2021**, 39, 139-147	5.4	2
8	Towards Achieving Environmental Sustainability: The Role of Nuclear Energy, Renewable Energy, and ICT in the Top-Five Carbon Emitting Countries. *Frontiers in Energy Research*, **2022**, 9,	3.8	2
7	The Evaluation Method of Marketing Staff Competency Based on Gray Relational Analysis **2010**,		1
6	What can China learn from the UK's transition to a low-carbon power sector? A multi-level perspective. *Resources, Conservation and Recycling*, **2022**, 179, 106127	11.9	1

5	A panel empirical modeling on the driving factors of provincial electricity consumption in China. *Environmental Science and Pollution Research*, **2021**, 1	5.1	1
4	Managing the phaseout of coal power: A comparison of power decarbonization pathways in Jilin Province. *Resources, Conservation and Recycling*, **2022**, 180, 106216	11.9	0
3	Concentrated solar power: technology, economy analysis, and policy implications in China. *Environmental Science and Pollution Research*, **2021**, 1	5.1	0
2	The Feasibility Analysis and Pathways Study of China□ 2020 Non-Fossil Energy Target. *Advanced Materials Research*, **2013**, 869-870, 559-563	0.5	
1	Wind integration cost in China: A production simulation approach and case study. *Sustainable Energy Technologies and Assessments*, **2022**, 51, 101985	4.7	