

Jiahai Yuan

List of Publications by Year in descending order

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127
papers

5,206
citations

94269

37
h-index

98622

67
g-index

132
all docs

132
docs citations

132
times ranked

3512
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy consumption and economic growth: Evidence from China at both aggregated and disaggregated levels. <i>Energy Economics</i> , 2008, 30, 3077-3094.	5.6	443
2	Electricity consumption and economic growth in China: Cointegration and co-feature analysis. <i>Energy Economics</i> , 2007, 29, 1179-1191.	5.6	334
3	Total-factor energy efficiency in developing countries. <i>Energy Policy</i> , 2011, 39, 644-650.	4.2	323
4	Analyzing the effect of natural gas, nuclear energy and renewable energy on GDP and carbon emissions: A multi-variate panel data analysis. <i>Energy</i> , 2021, 219, 119592.	4.5	204
5	ESG and Corporate Financial Performance: Empirical Evidence from China's Listed Power Generation Companies. <i>Sustainability</i> , 2018, 10, 2607.	1.6	180
6	Peak energy consumption and CO2 emissions in China. <i>Energy Policy</i> , 2014, 68, 508-523.	4.2	175
7	A plant-by-plant strategy for high-ambition coal power phaseout in China. <i>Nature Communications</i> , 2021, 12, 1468.	5.8	163
8	Coal use for power generation in China. <i>Resources, Conservation and Recycling</i> , 2018, 129, 443-453.	5.3	135
9	China's energy revolution strategy into 2030. <i>Resources, Conservation and Recycling</i> , 2018, 128, 78-89.	5.3	117
10	Comprehensive evaluation of national electric power development based on cloud model and entropy method and TOPSIS: A case study in 11 countries. <i>Journal of Cleaner Production</i> , 2020, 277, 123190.	4.6	110
11	Investment risk assessment of coal-fired power plants in countries along the Belt and Road initiative based on ANP-Entropy-TODIM method. <i>Energy</i> , 2019, 176, 623-640.	4.5	107
12	Energy conservation and emissions reduction in China's Progress and prospective. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 4334-4347.	8.2	106
13	Coal power overcapacity and investment bubble in China during 2015-2020. <i>Energy Policy</i> , 2016, 97, 136-144.	4.2	103
14	An empirical analysis of the non-linear effects of natural gas, nuclear energy, renewable energy and ICT-Trade in leading CO2 emitter countries: Policy towards CO2 mitigation and economic sustainability. <i>Journal of Environmental Management</i> , 2021, 286, 112232.	3.8	96
15	China's 2020 clean energy target: Consistency, pathways and policy implications. <i>Energy Policy</i> , 2014, 65, 692-700.	4.2	88
16	Decision support for choice optimal power generation projects: Fuzzy comprehensive evaluation model based on the electricity market. <i>Energy Policy</i> , 2006, 34, 3359-3364.	4.2	84
17	Review on wind power development and relevant policies in China during the 11th Five-Year-Plan period. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 1907-1915.	8.2	82
18	Smart grids in China. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 37, 896-906.	8.2	78

#	ARTICLE	IF	CITATIONS
19	Study on China's low carbon development in an Economyâ€“Energyâ€“Electricityâ€“Environment framework. <i>Energy Policy</i> , 2011, 39, 2596-2605.	4.2	76
20	Decomposition of aggregate CO2 emissions within a joint production framework. <i>Energy Economics</i> , 2012, 34, 1088-1097.	5.6	71
21	The economy of distributed PV in China. <i>Energy</i> , 2014, 78, 939-949.	4.5	70
22	China's 2020 carbon intensity target: Consistency, implementations, and policy implications. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 4970-4981.	8.2	63
23	The economics of coal power generation in China. <i>Energy Policy</i> , 2017, 105, 1-9.	4.2	61
24	Coal power flexibility, energy efficiency and pollutant emissions implications in China: A plant-level analysis based on case units. <i>Resources, Conservation and Recycling</i> , 2018, 134, 184-195.	5.3	60
25	Low carbon electricity development in Chinaâ€”An IRSP perspective based on Super Smart Grid. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 2707-2713.	8.2	57
26	Economic growth, energy consumption, and carbon emission nexus: fresh evidence from developing countries. <i>Environmental Science and Pollution Research</i> , 2019, 26, 26367-26380.	2.7	57
27	Economic and carbon emission impacts of electricity market transition in China: A case study of Guangdong Province. <i>Applied Energy</i> , 2019, 238, 1093-1107.	5.1	57
28	Penetration of clean coal technology and its impact on China's power industry. <i>Energy Strategy Reviews</i> , 2015, 7, 1-8.	3.3	56
29	Greenhouse gas emission factors of purchased electricity from interconnected grids. <i>Applied Energy</i> , 2016, 184, 751-758.	5.1	51
30	The Economics of Wind Power in China and Policy Implications. <i>Energies</i> , 2015, 8, 1529-1546.	1.6	47
31	Coal power overcapacity in China: Province-Level estimates and policy implications. <i>Resources, Conservation and Recycling</i> , 2018, 137, 89-100.	5.3	47
32	Challenges and strategies for electricity market transition in China. <i>Energy Policy</i> , 2019, 133, 110899.	4.2	45
33	The role of national carbon pricing in phasing out China's coal power. <i>IScience</i> , 2021, 24, 102655.	1.9	44
34	Total-Factor Energy Efficiency in BRI Countries: An Estimation Based on Three-Stage DEA Model. <i>Sustainability</i> , 2018, 10, 278.	1.6	43
35	Virtual CO ₂ Emission Flows in the Global Electricity Trade Network. <i>Environmental Science & Technology</i> , 2018, 52, 6666-6675.	4.6	43
36	Transition of China's power sector consistent with Paris Agreement into 2050: Pathways and challenges. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 132, 110102.	8.2	42

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37	Carbon emissions performance regulation for China's top generation groups by 2020: Too challenging to realize?. <i>Resources, Conservation and Recycling</i> , 2017, 122, 326-334.	5.3	40
38	An integrated approach for allocating carbon emission quotas in China's emissions trading system. <i>Resources, Conservation and Recycling</i> , 2019, 143, 291-298.	5.3	38
39	Wind power supply chain in China. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 39, 356-369.	8.2	36
40	Wind turbine manufacturing in China: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 51, 1235-1244.	8.2	36
41	The prospective of coal power in China: Will it reach a plateau in the coming decade?. <i>Energy Policy</i> , 2016, 98, 495-504.	4.2	35
42	Renewable electricity generation and economic growth nexus in developing countries: An ARDL approach. <i>Economic Research-Ekonomska Istrazivanja</i> , 2021, 34, 2423-2446.	2.6	34
43	Analyzing the relationship between economic growth and electricity consumption from renewable and non-renewable sources: Fresh evidence from newly industrialized countries. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 44, 100991.	1.7	32
44	Wind energy in China: Estimating the potential. <i>Nature Energy</i> , 2016, 1, .	19.8	31
45	Air quality and climate benefits of long-distance electricity transmission in China. <i>Environmental Research Letters</i> , 2017, 12, 064012.	2.2	31
46	Carbon emission intensity of electricity generation in Belt and Road Initiative countries: a benchmarking analysis. <i>Environmental Science and Pollution Research</i> , 2019, 26, 15057-15068.	2.7	31
47	The Prospective of Nuclear Power in China. <i>Sustainability</i> , 2018, 10, 2086.	1.6	30
48	Nonlinear integrated resource strategic planning model and case study in China's power sector planning. <i>Energy</i> , 2014, 67, 27-40.	4.5	29
49	A realistic pathway for coal-fired power in China from 2020 to 2030. <i>Journal of Cleaner Production</i> , 2020, 275, 122859.	4.6	27
50	Driving forces of carbon emissions in China: a provincial analysis. <i>Environmental Science and Pollution Research</i> , 2021, 28, 21455-21470.	2.7	26
51	Causality Relationship Between Electricity Supply and Economic Growth: Evidence from Pakistan. <i>Energies</i> , 2020, 13, 837.	1.6	26
52	Driving factors of carbon emissions in China's municipalities: a LMDI approach. <i>Environmental Science and Pollution Research</i> , 2022, 29, 21789-21802.	2.7	26
53	Towards Achieving Environmental Sustainability: The Role of Nuclear Energy, Renewable Energy, and ICT in the Top-Five Carbon Emitting Countries. <i>Frontiers in Energy Research</i> , 2022, 9, .	1.2	26
54	Impact of a Balanced Scorecard as a Strategic Management System Tool to Improve Sustainable Development: Measuring the Mediation of Organizational Performance through PLS-Smart. <i>Sustainability</i> , 2020, 12, 1365.	1.6	25

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55	Managing electric power system transition in China. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 5660-5677.	8.2	24
56	Will recent boom in coal power lead to a bust in China? A micro-economic analysis. <i>Energy Policy</i> , 2017, 108, 645-656.	4.2	23
57	Electric Power Investment Risk Assessment for Belt and Road Initiative Nations. <i>Sustainability</i> , 2018, 10, 3119.	1.6	22
58	Hybrid Energy Scheduling in a Renewable Micro Grid. <i>Applied Sciences (Switzerland)</i> , 2015, 5, 516-531.	1.3	21
59	Investigating the impact of renewable electricity consumption on sustainable economic development: a panel ARDL approach. <i>International Journal of Green Energy</i> , 2021, 18, 1185-1192.	2.1	21
60	Human Development Index, ICT, and Renewable Energy-Growth Nexus for Sustainable Development: A Novel PVAR Analysis. <i>Frontiers in Energy Research</i> , 2021, 9, .	1.2	21
61	Levelized cost of offshore wind power in China. <i>Environmental Science and Pollution Research</i> , 2021, 28, 25614-25627.	2.7	19
62	Deregulation of power generation planning and elimination of coal power subsidy in China. <i>Utilities Policy</i> , 2019, 57, 1-15.	2.1	18
63	Scenario-Based Analysis on Water Resources Implication of Coal Power in Western China. <i>Sustainability</i> , 2014, 6, 7155-7180.	1.6	17
64	The economy of wind-integrated-energy-storage projects in China's upcoming power market: A real options approach. <i>Resources Policy</i> , 2019, 63, 101434.	4.2	17
65	Coal power in China: A multi-level perspective review. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2020, 9, e386.	1.9	17
66	Feed-In Tariff for Onshore Wind Power in China. <i>Emerging Markets Finance and Trade</i> , 2016, 52, 1427-1437.	1.7	16
67	Can dispersed wind power take off in China: A technical & institutional economics analysis. <i>Journal of Cleaner Production</i> , 2020, 256, 120475.	4.6	16
68	Estimating stranded coal assets in China's power sector. <i>Utilities Policy</i> , 2022, 75, 101352.	2.1	16
69	Impact Analysis of Air Pollutant Emission Policies on Thermal Coal Supply Chain Enterprises in China. <i>Sustainability</i> , 2015, 7, 75-95.	1.6	15
70	The economics of renewable energy power in China. <i>Clean Technologies and Environmental Policy</i> , 2021, 23, 1341-1351.	2.1	13
71	Customer Response Under Time-of-Use Electricity Pricing Policy Based on Multi-Agent System Simulation. , 2006, , .		12
72	Optimal Site Selection of Wind-Solar Complementary Power Generation Project for a Large-Scale Plug-In Charging Station. <i>Sustainability</i> , 2017, 9, 1994.	1.6	12

#	ARTICLE	IF	CITATIONS
73	China's NEV market development and its capability of enabling premium NEV: Referencing from the NEV market performance of BMW and Mercedes in China. <i>Transportation Research, Part A: Policy and Practice</i> , 2018, 118, 545-555.	2.0	12
74	Environmental implications of China's wind-coal combined power generation system. <i>Resources, Conservation and Recycling</i> , 2019, 142, 24-33.	5.3	12
75	Promoting global CCS RDD&D by stronger U.S.-China collaboration. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 6746-6769.	8.2	11
76	Assessing the Environmental Impact Caused by Power Grid Projects in High Altitude Areas Based on BWM and Vague Sets Techniques. <i>Sustainability</i> , 2018, 10, 1768.	1.6	11
77	China's power transition under the global 1.5°C target: preliminary feasibility study and prospect. <i>Environmental Science and Pollution Research</i> , 2020, 27, 15113-15129.	2.7	11
78	Managing the phaseout of coal power: A comparison of power decarbonization pathways in Jilin Province. <i>Resources, Conservation and Recycling</i> , 2022, 180, 106216.	5.3	11
79	Will the Steam Coal Price Rebound under the New Economy Normalcy in China?. <i>Energies</i> , 2016, 9, 751.	1.6	10
80	Economic Decision-Making for Coal Power Flexibility Retrofitting and Compensation in China. <i>Sustainability</i> , 2018, 10, 348.	1.6	10
81	A system dynamics modeling on wind grid parity in China. <i>Journal of Cleaner Production</i> , 2020, 247, 119170.	4.6	10
82	Concentrated solar power: technology, economy analysis, and policy implications in China. <i>Environmental Science and Pollution Research</i> , 2022, 29, 1324-1337.	2.7	10
83	Mitigating Carbon Emissions in China: The Role of Clean Energy, Technological Innovation, and Political-Institutional Quality. <i>Frontiers in Environmental Science</i> , 2022, 10, .	1.5	10
84	The recent history and successes of China's energy efficiency policy. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2016, 5, 715-730.	1.9	9
85	Learning of Power Technologies in China: Staged Dynamic Two-Factor Modeling and Empirical Evidence. <i>Sustainability</i> , 2017, 9, 861.	1.6	9
86	The Flexible Operation of Coal Power and Its Renewable Integration Potential in China. <i>Sustainability</i> , 2019, 11, 4424.	1.6	9
87	Peer-to-peer trade and the economy of distributed PV in China. <i>Journal of Cleaner Production</i> , 2021, 280, 124500.	4.6	9
88	Quantifying stranded assets of the coal-fired power in China under the Paris Agreement target. <i>Climate Policy</i> , 2023, 23, 11-24.	2.6	9
89	Does nuclear or renewable energy consumption help to control environmental pollution? New evidence from China. <i>Renewable Energy Focus</i> , 2021, 39, 139-147.	2.2	9
90	Energy Conservation and Emissions Reduction in China's Power Sector: Alternative Scenarios Up to 2020. <i>Energies</i> , 2016, 9, 266.	1.6	8

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91	The economics of peaking power resources in China: Screening curve analysis and policy implications. Resources, Conservation and Recycling, 2020, 158, 104826.	5.3	8
92	Electricity Consumption and Economic Growth in BRI Countries: Panel Causality and Policy Implications. Emerging Markets Finance and Trade, 2021, 57, 859-874.	1.7	8
93	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.	5.3	8
94	Environmental Stress Testing for China's Overseas Coal Power Investment Project. Sustainability, 2019, 11, 5506.	1.6	7
95	Why Has China Overinvested in Coal Power?. Energy Journal, 2021, 42, .	0.9	7
96	A panel empirical modeling on the driving factors of provincial electricity consumption in China. Environmental Science and Pollution Research, 2022, 29, 10345-10356.	2.7	7
97	Can China achieve its climate pledge: a multi-scenario simulation of China's energy-related CO2 emission pathways based on Kaya identity. Environmental Science and Pollution Research, 2022, 29, 74480-74499.	2.7	7
98	Income Growth, Energy Consumption and Carbon Emissions in China. , 2008, , .		6
99	Oil Consumption and Economic Growth in China: A Multivariate Cointegration Analysis. , 2008, , .		6
100	Dynamic Integrated Resource Strategic Planning Model: A Case Study of China's Power Sector Planning into 2050. Sustainability, 2017, 9, 1177.	1.6	6
101	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.	1.6	6
102	A Life Cycle Analysis of Deploying Coking Technology to Utilize Low-Rank Coal in China. Sustainability, 2020, 12, 4884.	1.6	6
103	Can China Realize the Grid Parity Target of Centralized Photovoltaic Power by 2020?. Emerging Markets Finance and Trade, 2021, 57, 740-756.	1.7	6
104	Coal Power Environmental Stress Testing in China. Sustainability, 2018, 10, 2151.	1.6	5
105	Stranded Coal Power Assets in China: A Case Study of Jilin Province. Emerging Markets Finance and Trade, 2019, 55, 2673-2688.	1.7	5
106	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.	2.7	5
107	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.	2.1	5
108	Developing Distributed PV in Beijing: Deployment Potential and Economics. Frontiers in Energy Research, 2020, 7, .	1.2	4

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109	Sustainable Energy Policy in China: Economic Issues and Policy Challenges. Emerging Markets Finance and Trade, 2016, 52, 1279-1280.	1.7	3
110	Deepening Supply-Side Structural Reforms in Coal Power with a Power Market. Emerging Markets Finance and Trade, 2021, 57, 773-785.	1.7	3
111	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
112	Test of Co-Movement between Electricity Consumption and Economic Growth in China. , 2009, , .		2
113	Economical Efficiency of Combined Cooling Heating and Power Systems Based on an Enthalpy Method. Energies, 2017, 10, 1821.	1.6	2
114	Wind integration cost in China: A production simulation approach and case study. Sustainable Energy Technologies and Assessments, 2022, 51, 101985.	1.7	2
115	Electricity Consumption and Economic Growth in China, Is There Co-Feature between Them?. , 2009, , .		1
116	The Evaluation Method of Marketing Staff Competency Based on Gray Relational Analysis. , 2010, , .		1
117	Intelligent Engineering and Application in Water Ecology System Model. , 2008, , .		0
118	The Application of Competency Model in Staff Training. , 2011, , .		0
119	Study on Compensation Structure in Enterprises. , 2011, , .		0
120	China's Eleventh Five Year Plan GDP Energy Intensity Target --Policy Appraisal. , 2011, , .		0
121	The management framework of power system transition in China. , 2011, , .		0
122	Enterprise Group Governance Model Decision. , 2011, , .		0
123	Compensation Structure Decision-Making Based on Fuzzy Evaluation Model. , 2011, , .		0
124	A Method for Determining and Applying Index Weights in the Sector Performance Appraisal System Based on Process. , 2011, , .		0
125	A Study on the Modeling Process and Method of Competence Model in Enterprises. , 2011, , .		0
126	The Feasibility Analysis and Pathways Study of China's 2020 Non-Fossil Energy Target. Advanced Materials Research, 2013, 869-870, 559-563.	0.3	0

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127	Accounting for toxicity. Nature Energy, 0, , .	19.8	0