

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/9227691/publications.pdf Version: 2024-02-01

		30070	36028
148	10,523	54	97
papers	citations	h-index	g-index
1 - 1	151	151	4529
151	151	151	4538
all docs	docs citations	times ranked	citing authors

RIN SU

#	Article	IF	CITATIONS
1	Structural decomposition analysis applied to energy and emissions: Some methodological developments. Energy Economics, 2012, 34, 177-188.	12.1	726
2	Input–output analysis of CO2 emissions embodied in trade: The effects of sector aggregation. Energy Economics, 2010, 32, 166-175.	12.1	375
3	Input–output analysis of CO2 emissions embodied in trade: A multi-region model for China. Applied Energy, 2014, 114, 377-384.	10.1	345
4	Carbon emission intensity in electricity production: A global analysis. Energy Policy, 2016, 94, 56-63.	8.8	300
5	Assessing drivers of economy-wide energy use and emissions: IDA versus SDA. Energy Policy, 2017, 107, 585-599.	8.8	273
6	Input–output analysis of CO2 emissions embodied in trade: Competitive versus non-competitive imports. Energy Policy, 2013, 56, 83-87.	8.8	266
7	Measuring China's regional energy and carbon emission efficiency with DEA models: A survey. Applied Energy, 2016, 183, 1-21.	10.1	244
8	Multiplicative decomposition of aggregate carbon intensity change using input–output analysis. Applied Energy, 2015, 154, 13-20.	10.1	233
9	The process of peak CO2 emissions in developed economies: A perspective of industrialization and urbanization. Resources, Conservation and Recycling, 2019, 141, 61-75.	10.8	229
10	Multiplicative structural decomposition analysis of aggregate embodied energy and emission intensities. Energy Economics, 2017, 65, 137-147.	12.1	219
11	Input–output analysis of CO2 emissions embodied in trade: The effects of spatial aggregation. Ecological Economics, 2010, 70, 10-18.	5.7	218
12	How information and communication technology drives carbon emissions: A sector-level analysis for China. Energy Economics, 2019, 81, 380-392.	12.1	206
13	Input-output and structural decomposition analysis of Singapore's carbon emissions. Energy Policy, 2017, 105, 484-492.	8.8	201
14	Multi-region input–output analysis of CO2 emissions embodied in trade: The feedback effects. Ecological Economics, 2011, 71, 42-53.	5.7	195
15	Multi-country comparisons of energy performance: The index decomposition analysis approach. Energy Economics, 2015, 47, 68-76.	12.1	192
16	Input–output analysis of CO2 emissions embodied in trade and the driving forces: Processing and normal exports. Ecological Economics, 2013, 88, 119-125.	5.7	185
17	The Impact of Social Awareness and Lifestyles on Household Carbon Emissions in China. Ecological Economics, 2019, 160, 145-155.	5.7	168
18	Measurement and decomposition of energy-saving and emissions reduction performance in Chinese cities. Applied Energy, 2015, 151, 85-92.	10.1	155

#	Article	IF	CITATIONS
19	Multi-region comparisons of emission performance: The structural decomposition analysis approach. Ecological Indicators, 2016, 67, 78-87.	6.3	155
20	Contributions to sector-level carbon intensity change: An integrated decomposition analysis. Energy Economics, 2018, 70, 12-25.	12.1	154
21	Energy efficiency convergence across countries in the context of China's Belt and Road initiative. Applied Energy, 2018, 213, 112-122.	10.1	150
22	China's carbon emissions embodied in (normal and processing) exports and their driving forces, 2006–2012. Energy Economics, 2016, 59, 414-422.	12.1	149
23	A review of carbon labeling: Standards, implementation, and impact. Renewable and Sustainable Energy Reviews, 2016, 53, 68-79.	16.4	145
24	Exploring the effect of carbon trading mechanism on China's green development efficiency: A novel integrated approach. Energy Economics, 2020, 85, 104601.	12.1	135
25	Input-output and structural decomposition analysis of India's carbon emissions and intensity, 2007/08 – 2013/14. Applied Energy, 2018, 230, 1545-1556.	10.1	133
26	Decomposition analysis of China's CO2 emissions (2000–2016) and scenario analysis of its carbon intensity targets in 2020 and 2030. Science of the Total Environment, 2019, 668, 432-442.	8.0	128
27	A Multi-region Structural Decomposition Analysis of Global CO 2 Emission Intensity. Ecological Economics, 2017, 142, 163-176.	5.7	127
28	A spatial–temporal decomposition approach to performance assessment in energy and emissions. Energy Economics, 2016, 60, 112-121.	12.1	120
29	Investment efficiency of the new energy industry in China. Energy Economics, 2018, 70, 536-544.	12.1	117
30	STRUCTURAL DECOMPOSITION ANALYSIS APPLIED TO ENERGY AND EMISSIONS: AGGREGATION ISSUES. Economic Systems Research, 2012, 24, 299-317.	2.7	108
31	Measuring total-factor CO2 emission performance and technology gaps using a non-radial directional distance function: A modified approach. Energy Economics, 2016, 56, 475-482.	12.1	108
32	Sankey diagram framework for energy and exergy flows. Applied Energy, 2014, 136, 1035-1042.	10.1	107
33	Interprovincial transfer of embodied primary energy in China: A complex network approach. Applied Energy, 2018, 215, 792-807.	10.1	104
34	Structural path and decomposition analysis of aggregate embodied energy and emission intensities. Energy Economics, 2019, 83, 345-360.	12.1	98
35	Analysis of electricity consumption in China (1990–2016) using index decomposition and decoupling approach. Journal of Cleaner Production, 2019, 209, 224-235.	9.3	95
36	Attribution of changes in the generalized Fisher index with application to embodied emission studies. Energy, 2014, 69, 778-786.	8.8	90

#	Article	IF	CITATIONS
37	Energy rebound effect in China's Industry: An aggregate and disaggregate analysis. Energy Economics, 2017, 61, 199-208.	12.1	90
38	Industrial energy conservation and emission reduction performance in China: A city-level nonparametric analysis. Applied Energy, 2016, 166, 201-209.	10.1	87
39	Using the Tapio-Z decoupling model to evaluate the decoupling status of China's CO2 emissions at provincial level and its dynamic trend. Structural Change and Economic Dynamics, 2020, 52, 120-129.	4.5	87
40	Does energy-price regulation benefit China's economy and environment? Evidence from energy-price distortions. Energy Policy, 2017, 105, 108-119.	8.8	86
41	Multiplicative structural decomposition analysis of energy and emission intensities: Some methodological issues. Energy, 2017, 123, 47-63.	8.8	84
42	What drive the changes in China's energy consumption and intensity during 12th Five-Year Plan period?. Energy Policy, 2020, 140, 111383.	8.8	78
43	Decomposing the decoupling indicator between the economic growth and energy consumption in China. Energy Efficiency, 2015, 8, 1231-1239.	2.8	77
44	Drivers of stagnating global carbon intensity of electricity and the way forward. Energy Policy, 2018, 113, 149-156.	8.8	76
45	Who shapes China's carbon intensity and how? A demand-side decomposition analysis. Energy Economics, 2020, 85, 104600.	12.1	74
46	Analysis and forecast of China's energy consumption structure. Energy Policy, 2021, 159, 112630.	8.8	72
47	Multiplicative structural decomposition and attribution analysis of carbon emission intensity in China, 2002–2012. Journal of Cleaner Production, 2018, 198, 195-207.	9.3	71
48	Industrial SO2 emissions treatment in China: A temporal-spatial whole process decomposition analysis. Journal of Environmental Management, 2019, 243, 419-434.	7.8	69
49	Energy, CO2 emissions, and value added flows embodied in the international trade of the BRICS group: A comprehensive assessment. Renewable and Sustainable Energy Reviews, 2019, 116, 109432.	16.4	68
50	China's aggregate embodied CO2 emission intensity from 2007 to 2012: A multi-region multiplicative structural decomposition analysis. Energy Economics, 2020, 85, 104568.	12.1	68
51	The spatial impacts of air pollution and socio-economic status on public health: Empirical evidence from China. Socio-Economic Planning Sciences, 2022, 83, 101167.	5.0	65
52	Economic, social and environmental impacts of fuel subsidies: A revisit of Malaysia. Energy Policy, 2017, 110, 51-61.	8.8	64
53	Embodied carbon in China's foreign trade: An online SCI-E and SSCI based literature review. Renewable and Sustainable Energy Reviews, 2017, 68, 492-510.	16.4	61
54	Structural path analysis of India's carbon emissions using input-output and social accounting matrix frameworks. Energy Economics, 2018, 76, 457-469.	12.1	61

#	Article	IF	CITATIONS
55	Life cycle energy, emissions and cost evaluation of CO2 air source heat pump system to replace traditional heating methods for residential heating in China: System configurations. Energy Conversion and Management, 2020, 218, 112954.	9.2	60
56	Can land urbanization help to achieve CO2 intensity reduction target or hinder it? Evidence from China. Resources, Conservation and Recycling, 2018, 134, 206-215.	10.8	55
57	The volatility spillover effect of the European Union (EU) carbon financial market. Journal of Cleaner Production, 2021, 282, 124394.	9.3	54
58	Effect of population migration on spatial carbon emission transfers in China. Energy Policy, 2021, 156, 112450.	8.8	54
59	The carbon neutrality of electricity generation from woody biomass and coal, a critical comparative evaluation. Applied Energy, 2016, 179, 1069-1080.	10.1	53
60	Life cycle analysis on carbon emissions from power generation – The nuclear energy example. Applied Energy, 2014, 118, 68-82.	10.1	52
61	A simultaneous calibration and parameter ranking method for building energy models. Applied Energy, 2017, 206, 657-666.	10.1	52
62	Coordination of tradable carbon emission permits market and renewable electricity certificates market in China. Energy Economics, 2021, 93, 105038.	12.1	52
63	Assessment of carbon leakage by channels: An approach combining CGE model and decomposition analysis. Energy Economics, 2018, 74, 535-545.	12.1	46
64	Ship Energy Consumption Prediction with Gaussian Process Metamodel. Energy Procedia, 2018, 152, 655-660.	1.8	45
65	China's SO2 shadow prices and environmental technical efficiency at the province level. International Review of Economics and Finance, 2018, 57, 86-102.	4.5	44
66	Environmental regulation, economic development and air pollution in the cities of China: Spatial econometric analysis based on policy scoring and satellite data. Journal of Cleaner Production, 2021, 328, 129496.	9.3	44
67	Energy-economic recovery resilience with Input-Output linear programming models. Energy Economics, 2017, 68, 177-191.	12.1	43
68	Carbon congestion effects in China's industry: Evidence from provincial and sectoral levels. Energy Economics, 2020, 86, 104635.	12.1	43
69	Impacts of international export on global and regional carbon intensity. Applied Energy, 2019, 253, 113552.	10.1	41
70	Research on Investment Efficiency and Policy Recommendations for the Culture Industry of China Based on a Three-Stage DEA. Sustainability, 2016, 8, 324.	3.2	40
71	The impacts of carbon pricing on coastal megacities: A CGE analysis of Singapore. Journal of Cleaner Production, 2017, 165, 1239-1248.	9.3	40
72	Life cycle cost-benefit analysis of offshore wind energy under the climatic conditions in Southeast Asia – Setting the bottom-line for deployment. Applied Energy, 2019, 233-234, 1003-1014.	10.1	40

#	Article	IF	CITATIONS
73	Embodied energy and intensity in China's (normal and processing) exports and their driving forces, 2005-2015. Energy Economics, 2020, 91, 104911.	12.1	37
74	Multi-region input-output analysis of embodied emissions and intensities: Spatial aggregation by linking regional and global datasets. Journal of Cleaner Production, 2021, 313, 127894.	9.3	37
75	Research on a single policy or policy mix in carbon emissions reduction. Journal of Cleaner Production, 2020, 267, 122030.	9.3	34
76	Impacts of changing design considerations on the life cycle carbon emissions of solar photovoltaic systems. Applied Energy, 2016, 183, 1471-1487.	10.1	33
77	Macroeconomic performance of oil price shocks: Outlier evidence from nineteen major oil-related countries/regions. Energy Economics, 2016, 60, 325-332.	12.1	33
78	Literature review on renewable energy development and China's roadmap. Frontiers of Engineering Management, 2021, 8, 212-222.	6.1	33
79	Environmental efficiency and equality embodied in China's inter-regional trade. Science of the Total Environment, 2019, 672, 150-161.	8.0	32
80	A multi-region multi-sector decomposition and attribution analysis of aggregate carbon intensity in China from 2000 to 2015. Energy Policy, 2019, 129, 410-421.	8.8	32
81	Optimal way to achieve renewable portfolio standard policy goals from the electricity generation, transmission, and trading perspectives in southern China. Energy Policy, 2020, 139, 111319.	8.8	32
82	Demand contributors and driving factors of Singapore's aggregate carbon intensities. Energy Policy, 2020, 146, 111817.	8.8	31
83	Input-output analysis of embodied emissions: Impacts of imports data treatment on emission drivers. Energy Economics, 2022, 107, 105875.	12.1	31
84	Index decomposition and attribution analysis of aggregate energy intensity in Shanxi Province (2000–2015). Journal of Cleaner Production, 2019, 238, 117897.	9.3	30
85	Optimizing the Chinese Electricity Mix for CO ₂ Emission Reduction: An Input–Output Linear Programming Model with Endogenous Capital. Environmental Science & Technology, 2020, 54, 697-706.	10.0	30
86	Structural breakpoints in the relationship between outward foreign direct investment and green innovation: An empirical study in China. Energy Economics, 2021, 103, 105578.	12.1	30
87	The state of nuclear power two years after Fukushima – The ASEAN perspective. Applied Energy, 2014, 136, 838-848.	10.1	29
88	Optimization of electricity generation and interprovincial trading strategies in Southern China. Energy, 2019, 174, 696-707.	8.8	29
89	Structural path and decomposition analysis of aggregate embodied energy intensities in China, 2012-2017. Journal of Cleaner Production, 2020, 276, 124185.	9.3	29
90	Long-term effect of low concentration Cr(VI) on P removal in granule-based enhanced biological phosphorus removal (EBPR) system. Chemosphere, 2015, 121, 76-83.	8.2	28

#	Article	IF	CITATIONS
91	Assessing China's rural household energy sustainable development using improved grouped principal component method. Energy, 2016, 113, 509-514.	8.8	28
92	A multi-dimensional analysis on microeconomic factors of China's industrial energy intensity (2000–2017). Energy Policy, 2020, 147, 111836.	8.8	28
93	Impact of government subsidy on the optimal R&D and advertising investment in the cooperative supply chain of new energy vehicles. Energy Policy, 2022, 164, 112885.	8.8	27
94	Optimizing electricity mix for CO2 emissions reduction: A robust input-output linear programming model. European Journal of Operational Research, 2020, 287, 280-292.	5.7	26
95	Energy import resilience with input–output linear programming models. Energy Economics, 2015, 50, 215-226.	12.1	25
96	Oil price crisis response: Capability assessment and key indicator identification. Energy, 2015, 93, 1353-1360.	8.8	24
97	Exploring the critical factors and appropriate polices for reducing energy consumption of China's urban civil building sector. Journal of Cleaner Production, 2015, 103, 446-454.	9.3	24
98	Energy-economic resilience with multi-region input–output linear programming models. Energy Economics, 2019, 84, 104569.	12.1	24
99	Using a new two-dimensional decoupling model to evaluate the decoupling state of global energy footprint. Sustainable Cities and Society, 2020, 63, 102461.	10.4	24
100	Spatial Heterogeneity Influences of Environmental Control and Informal Regulation on Air Pollutant Emissions in China. International Journal of Environmental Research and Public Health, 2020, 17, 4857.	2.6	24
101	The prospects of small modular reactors in Southeast Asia. Progress in Nuclear Energy, 2017, 98, 131-142.	2.9	23
102	A method for analysis of maritime transportation systems in the life cycle approach – The oil tanker example. Applied Energy, 2017, 206, 1579-1589.	10.1	23
103	Evaluation of cost-effective building retrofit strategies through soft-linking a metamodel-based Bayesian method and a life cycle cost assessment method. Applied Energy, 2019, 253, 113573.	10.1	22
104	China's environmental policy intensity for 1978–2019. Scientific Data, 2022, 9, 75.	5.3	22
105	Analysis of Shanxi Province's energy consumption and intensity using input-output framework (2002–2017). Energy, 2022, 250, 123786.	8.8	22
106	Life cycle cost-benefit analysis of refrigerant replacement based on experience from a supermarket project. Energy, 2019, 187, 115918.	8.8	21
107	A class of accelerated means regression models for recurrent event data. Lifetime Data Analysis, 2008, 14, 357-375.	0.9	20
108	Rank reversal issues in DEA models for China's regional energy efficiency assessment. Energy Efficiency, 2019, 12, 993-1006.	2.8	20

#	Article	IF	CITATIONS
109	Analysis of interconnecting energy systems over a synchronized life cycle. Applied Energy, 2016, 165, 1024-1036.	10.1	18
110	Assessing the effects of labor market dynamics on CO2 emissions in global value chains. Science of the Total Environment, 2021, 768, 144486.	8.0	18
111	An incentive-oriented early warning system for predicting the co-movements between oil price shocks and macroeconomy. Applied Energy, 2016, 163, 452-463.	10.1	17
112	A social network analysis regarding electricity consumption and economic growth in China. Journal of Cleaner Production, 2020, 274, 122973.	9.3	17
113	How does global transport sector improve the emissions reduction performance? A demand-side analysis. Applied Energy, 2022, 311, 118648.	10.1	17
114	Policies toward net-zero: Benchmarking the economic competitiveness of nuclear against wind and solar energy. Applied Energy, 2022, 320, 119275.	10.1	17
115	Change impact analysis on the life cycle carbon emissions of energy systems – The nuclear example. Applied Energy, 2015, 143, 437-450.	10.1	16
116	Nexus between household energy consumption and economic growth in Bangladesh (1975–2018). Energy Policy, 2021, 156, 112420.	8.8	16
117	A Meta Model Based Bayesian Approach for Building Energy Models Calibration. Energy Procedia, 2017, 143, 161-166.	1.8	15
118	Spatial differences in energy performance among four municipalities of China: From both the aggregate and final demand perspectives. Energy, 2020, 204, 117915.	8.8	15
119	Energy consumption and energy efficiency trends in Singapore: The case of a meticulously planned city. Energy Policy, 2022, 161, 112732.	8.8	15
120	How Do Verified Emissions Announcements Affect the Comoves between Trading Behaviors and Carbon Prices? Evidence from EU ETS. Sustainability, 2018, 10, 3255.	3.2	14
121	A feasibility study on integrating large-scale battery energy storage systems with combined cycle power generation – Setting the bottom line. Energy, 2019, 185, 396-408.	8.8	14
122	Multiâ€Region Multiâ€Sector Contributions to Drivers of Air Pollution in China. Earth's Future, 2021, 9, e2021EF002012.	6.3	14
123	Nuclear Power Developments: Could Small Modular Reactor Power Plants be a "Game Changer� – The ASEAN Perspective. Energy Procedia, 2014, 61, 17-20.	1.8	13
124	Low-carbon Transport Sectoral Development and Policy in Hong Kong and Singapore. Energy Procedia, 2014, 61, 313-317.	1.8	12
125	Re-analyzing the economic impact of a global bunker emissions charge. Energy Economics, 2018, 74, 107-119.	12.1	12
126	Electrifying light-duty passenger transport for CO <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e3293" altimg="si366.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:mrow </mml:msub> emissions reduction: A stochastic-robust input–output linear programming model. Energy Economics, 2021, 104, 105623.</mml:math 	12.1	11

#	Article	IF	CITATIONS
127	China's Embodied SO2 Emissions and Aggregate Embodied SO2 Intensities in Interprovincial and International Trade. Technological Forecasting and Social Change, 2022, 177, 121546.	11.6	11
128	Cost-effectiveness analysis of energy efficiency measures for maritime shipping using a metamodel based approach with different data sources. Energy, 2019, 189, 116205.	8.8	9
129	The drivers of export value-added in China's provinces: a multi-regional input–output model. Applied Economics, 2020, 52, 6199-6214.	2.2	9
130	A life cycle analysis techno-economic assessment framework for evaluating future technology pathways – The residential air-conditioning example. Applied Energy, 2021, 291, 116750.	10.1	9
131	Factor decomposition for global and national aggregate energy intensity change during 2000–2014. Energy, 2022, 254, 124347.	8.8	9
132	The price-bidding strategy for investors in a renewable auction: An option games–based study. Energy Economics, 2021, 100, 105331.	12.1	8
133	Progress in Nuclear Power Technologies and Implications for ASEAN. Energy Procedia, 2015, 75, 2852-2858.	1.8	6
134	Carbon Sequestration Total Factor Productivity Growth and Decomposition: A Case of the Yangtze River Economic Belt of China. Sustainability, 2019, 11, 6809.	3.2	6
135	Driving factors of changes in international maritime energy consumption: Microdata evidence 2014–2017. Energy Policy, 2021, 154, 112288.	8.8	6
136	Are global value chains merely global? The case of Chinese Provinces in global value chains. Applied Economics, 2021, 53, 3778-3794.	2.2	5
137	Meta-frontier-based assessment on carbon emission performance considering different mitigation strategies: Evidence from China's manufacturing sectors. Journal of Cleaner Production, 2021, 289, 125662.	9.3	5
138	Tracking Multilayer Energy Flows Embodied in China's Interregional Trade: An Input-Output Network Analysis. Energy Procedia, 2017, 143, 367-374.	1.8	4
139	Life Cycle Analysis of Integrated Gasification Combined Cycle Power Generation in the Context of Southeast Asia. Energies, 2018, 11, 1587.	3.1	4
140	Ship Emission Mitigation Strategies Choice Under Uncertainty. Energies, 2020, 13, 2213.	3.1	4
141	Economics of marinised offshore charging stations for electrifying the maritime sector. Applied Energy, 2022, 322, 119389.	10.1	3
142	Impact of Resource-Based Economic Transformation Policy on Sulfur Dioxide Emissions: A Case Study of Shanxi Province. Sustainability, 2022, 14, 8253.	3.2	2
143	Energy Consumption and Energy Efficiency Trends in Singapore: The Case of a Meticulously Planned City. SSRN Electronic Journal, 0, , .	0.4	1
144	Investigating ASEAN's Participation in Global Value Chains: Production Fragmentation and Regional Integration. Asian Development Review, 2021, 38, 159-188.	1.5	1

#	Article	IF	CITATIONS
145	The sectorally heterogeneous and time-varying price elasticities of energy demand in China. Energy Economics, 2021, 102, 105486.	12.1	1
146	The Characteristics and Spatial Spillover Effects of Green Technology Innovation on Regional Energy Intensity. SSRN Electronic Journal, 0, , .	0.4	0
147	Driving factors of changes in international maritime energy consumption. SSRN Electronic Journal, 0,	0.4	0
148	Drivers of Chinese energy use and intensity from regional and demand perspectives, 2012-2015-2017. SSRN Electronic Journal, 0, , .	0.4	0