Rongrong Li

List of Publications by Year
in descending order

101 papers	4,931 citations	101384 36 h-index	110170 64 g-index
102 all docs	102 docs citations	102 times ranked	2279 citing authors

#	Article	IF	Citations
1	Per-capita carbon emissions in 147 countries: The effect of economic, energy, social, and trade structural changes. Sustainable Production and Consumption, 2021, 27, 1149-1164.	5.7	409
2	Does urbanization redefine the environmental Kuznets curve? An empirical analysis of 134 Countries. Sustainable Cities and Society, 2022, 76, 103382.	5.1	334
3	The effects of energy prices, urbanization and economic growth on energy consumption per capita in 186 countries. Journal of Cleaner Production, 2019, 225, 1017-1032.	4.6	255
4	The impact of energy efficiency on carbon emissions: Evidence from the transportation sector in Chinese 30 provinces. Sustainable Cities and Society, 2022, 82, 103880.	5.1	220
5	Toward to economic growth without emission growth: The role of urbanization and industrialization in China and India. Journal of Cleaner Production, 2018, 205, 499-511.	4.6	177
6	Does renewable energy reduce ecological footprint at the expense of economic growth? An empirical analysis of 120 countries. Journal of Cleaner Production, 2022, 346, 131207.	4.6	163
7	Decomposition and decoupling analysis of carbon emissions from economic growth: A comparative study of China and the United States. Journal of Cleaner Production, 2018, 197, 178-184.	4.6	149
8	Forecasting energy demand in China and India: Using single-linear, hybrid-linear, and non-linear time series forecast techniques. Energy, 2018, 161, 821-831.	4.5	139
9	Renewable energy and economic growth: New insight from country risks. Energy, 2022, 238, 122018.	4.5	139
10	Underestimated impact of the COVID-19 on carbon emission reduction in developing countries â€" A novel assessment based on scenario analysis. Environmental Research, 2022, 204, 111990.	3.7	121
11	Evaluating water resource sustainability in Beijing, China: Combining PSR model and matter-element extension method. Journal of Cleaner Production, 2019, 206, 171-179.	4.6	116
12	Journey to burning half of global coal: Trajectory and drivers of China×³s coal use. Renewable and Sustainable Energy Reviews, 2016, 58, 341-346.	8.2	113
13	Forecasting U.S. shale gas monthly production using a hybrid ARIMA and metabolic nonlinear grey model. Energy, 2018, 160, 378-387.	4.5	98
14	Drivers for energy consumption: A comparative analysis of China and India. Renewable and Sustainable Energy Reviews, 2016, 62, 954-962.	8.2	94
15	Research status of shale gas: A review. Renewable and Sustainable Energy Reviews, 2017, 74, 715-720.	8.2	94
16	Evaluating sustainability of water-energy-food (WEF) nexus using an improved matter-element extension model: A case study of China. Journal of Cleaner Production, 2018, 202, 1097-1106.	4.6	92
17	Decoupling sectoral economic output from carbon emissions on city level: A comparative study of Beijing and Shanghai, China. Journal of Cleaner Production, 2019, 209, 126-133.	4.6	87
18	Integrating Digital Technologies and Public Health to Fight Covid-19 Pandemic: Key Technologies, Applications, Challenges and Outlook of Digital Healthcare. International Journal of Environmental Research and Public Health, 2021, 18, 6053.	1.2	87

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19	Comparative decoupling analysis of energy-related carbon emission from electric output of electricity sector in Shandong Province, China. Energy, 2017, 127, 78-88.	4.5	85
20	A novel hybridization of nonlinear grey model and linear ARIMA residual correction for forecasting U.S. shale oil production. Energy, 2018, 165, 1320-1331.	4.5	79
21	Decoupling analysis of economic growth from water use in City: A case study of Beijing, Shanghai, and Guangzhou of China. Sustainable Cities and Society, 2018, 41, 86-94.	5.1	73
22	Official development assistance and carbon emissions of recipient countries: A dynamic panel threshold analysis for low- and lower-middle-income countries. Sustainable Production and Consumption, 2022, 29, 158-170.	5.7	72
23	Renewable energy and economic growth revisited: The dual roles of resource dependence and anticorruption regulation. Journal of Cleaner Production, 2022, 337, 130514.	4.6	72
24	The Role of Natural Gas and Renewable Energy in Curbing Carbon Emission: Case Study of the United States. Sustainability, 2017, 9, 600.	1.6	71
25	China's dependency on foreign oil will exceed 80% by 2030: Developing a novel NMGM-ARIMA to forecast China's foreign oil dependence from two dimensions. Energy, 2018, 163, 151-167.	4.5	67
26	Decline in China's coal consumption: An evidence of peak coal or a temporary blip?. Energy Policy, 2017, 108, 696-701.	4.2	60
27	Decoupling and Decomposition Analysis of Carbon Emissions from Industry: A Case Study from China. Sustainability, 2016, 8, 1059.	1.6	57
28	Natural gas from shale formation: A research profile. Renewable and Sustainable Energy Reviews, 2016, 57, 1-6.	8.2	53
29	Blockchain technology in the energy sector: From basic research to real world applications. Computer Science Review, 2021, 39, 100362.	10.2	52
30	Impact of cheaper oil on economic system and climate change: A SWOT analysis. Renewable and Sustainable Energy Reviews, 2016, 54, 925-931.	8.2	48
31	Impact of COVID-19 pandemic on oil consumption in the United States: A new estimation approach. Energy, 2022, 239, 122280.	4.5	48
32	Germany's contribution to global carbon reduction might be underestimated â€" A new assessment based on scenario analysis with and without trade. Technological Forecasting and Social Change, 2022, 176, 121465.	6.2	44
33	Moving to a Low-Carbon Economy in China: Decoupling and Decomposition Analysis of Emission and Economy from a Sector Perspective. Sustainability, 2018, 10, 978.	1.6	43
34	Comparison of Forecasting Energy Consumption in Shandong, China Using the ARIMA Model, GM Model, and ARIMA-GM Model. Sustainability, 2017, 9, 1181.	1.6	42
35	Does protectionism improve environment of developing countries? A perspective of environmental efficiency assessment. Sustainable Production and Consumption, 2022, 30, 851-869.	5.7	41
36	Is China the world's blockchain leader? Evidence, evolution and outlook of China's blockchain research. Journal of Cleaner Production, 2020, 264, 121742.	4.6	40

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37	Investigating factors affecting carbon emission in China and the USA: A perspective of stratified heterogeneity. Journal of Cleaner Production, 2018, 199, 85-92.	4.6	39
38	An Analysis of Decoupling and Influencing Factors of Carbon Emissions from the Transportation Sector in the Beijing-Tianjin-Hebei Area, China. Sustainability, 2017, 9, 722.	1.6	38
39	The impact of renewable energy on decoupling economic growth from ecological footprint â€" An empirical analysis of 166 countries. Journal of Cleaner Production, 2022, 354, 131706.	4.6	37
40	Research status of nuclear power: A review. Renewable and Sustainable Energy Reviews, 2018, 90, 90-96.	8.2	34
41	Decomposition and Decoupling Analysis of Life-Cycle Carbon Emission in Chinaâ€™s Building Sector. Sustainability, 2017, 9, 793.	1.6	32
42	Decoupling and Decomposition Analysis of Carbon Emissions from Electric Output in the United States. Sustainability, 2017, 9, 886.	1.6	32
43	Investigating effect of R&D investment on decoupling environmental pressure from economic growth in the global top six carbon dioxide emitters. Science of the Total Environment, 2020, 740, 140053.	3.9	31
44	Carbon emission post-coronavirus: Continual decline or rebound?. Structural Change and Economic Dynamics, 2021, 57, 57-67.	2.1	30
45	Will Trump's coal revival plan work? - Comparison of results based on the optimal combined forecasting technique and an extended IPAT forecasting technique. Energy, 2019, 169, 762-775.	4.5	28
46	Does technical progress curb India's carbon emissions? A novel approach of combining extended index decomposition analysis and production-theoretical decomposition analysis. Journal of Environmental Management, 2022, 310, 114720.	3.8	28
47	Toward the Coordinated Sustainable Development of Urban Water Resource Use and Economic Growth: An Empirical Analysis of Tianjin City, China. Sustainability, 2018, 10, 1323.	1.6	26
48	The Multilevel Index Decomposition of Energy-Related Carbon Emission and Its Decoupling with Economic Growth in USA. Sustainability, 2016, 8, 857.	1.6	25
49	Collaboration network and pattern analysis: case study of dye-sensitized solar cells. Scientometrics, 2014, 98, 1745-1762.	1.6	24
50	Moving Low-Carbon Construction Industry in Jiangsu Province: Evidence from Decomposition and Decoupling Models. Sustainability, 2017, 9, 1013.	1.6	23
51	Investigating Low-Carbon Agriculture: Case Study of Chinaâ€™s Henan Province. Sustainability, 2017, 9, 2295.	1.6	22
52	Forecasting Chinaâ€™s Coal Power Installed Capacity: A Comparison of MGM, ARIMA, GM-ARIMA, and NMGM Models. Sustainability, 2018, 10, 506.	1.6	22
53	Cheaper oil: A turning point in Paris climate talk?. Renewable and Sustainable Energy Reviews, 2015, 52, 1186-1192.	8.2	21
54	The COVID-19 pandemic reshapes the plastic pollution research â€" A comparative analysis of plastic pollution research before and during the pandemic. Environmental Research, 2022, 208, 112634.	3.7	21

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55	Moving Low-Carbon Transportation in Xinjiang: Evidence from STIRPAT and Rigid Regression Models. Sustainability, 2017, 9, 24.	1.6	20
56	Determinants of Decoupling Economic Output from Carbon Emission in the Transport Sector: A Comparison Study of Four Municipalities in China. International Journal of Environmental Research and Public Health, 2019, 16, 3729.	1.2	19
57	Sino-Venezuelan oil-for-loan deal â€" the Chinese strategic gamble?#. Renewable and Sustainable Energy Reviews, 2016, 64, 817-822.	8.2	18
58	Energy Sustainability Evaluation Model Based on the Matter-Element Extension Method: A Case Study of Shandong Province, China. Sustainability, 2017, 9, 2128.	1.6	18
59	Sustainability Evaluation Based on a Three-Dimensional Ecological Footprint Model: A Case Study in Hunan, China. Sustainability, 2018, 10, 4498.	1.6	18
60	Evaluating Energy Sustainability Using the Pressure-State-Response and Improved Matter-Element Extension Models: Case Study of China. Sustainability, 2019, 11, 290.	1.6	18
61	Assessing supply chain greenness from the perspective of embodied renewable energy â€" A data envelopment analysis using multi-regional input-output analysis. Renewable Energy, 2022, 189, 1292-1305.	4.3	17
62	Toward Decoupling: Growing GDP without Growing Carbon Emissions. Environmental Science & Technology, 2016, 50, 11435-11436.	4.6	16
63	Decoupling and decomposition analysis of carbon emissions from economic output in Chinese Guangdong Province: A sector perspective. Energy and Environment, 2018, 29, 543-555.	2.7	16
64	Measuring interdisciplinarity of a research system: detecting distinction between publication categories and citation categories. Scientometrics, 2017, 111, 2023-2039.	1.6	15
65	Comparison of Forecasting Energy Consumption in East Africa Using the MGM, NMGM, MGM-ARIMA, and NMGM-ARIMA Model. Energies, 2019, 12, 3278.	1.6	15
66	Investigation for the Decomposition of Carbon Emissions in the USA with C-D Function and LMDI Methods. Sustainability, 2019, 11, 334.	1.6	15
67	Impacts of the integrated pattern of water and land resources use on agricultural greenhouse gas emissions in China during 2006â€"2017: A water-land-energy-emissions nexus analysis. Journal of Cleaner Production, 2021, 308, 127221.	4.6	15
68	The negative impact of the COVID-19 on renewable energy growth in developing countries: Underestimated. Journal of Cleaner Production, 2022, 367, 132996.	4.6	15
69	Investigating the Factors Influencing the Decoupling of Transport-Related Carbon Emissions from Turnover Volume in China. Sustainability, 2018, 10, 3034.	1.6	14
70	Forecasting China's energy demand post-COVID-19 pandemic: Insights from energy type differences and regional differences. Energy Strategy Reviews, 2022, 42, 100881.	3.3	14
71	Forecasting Coal Consumption in India by 2030: Using Linear Modified Linear (MGM-ARIMA) and Linear Modified Nonlinear (BP-ARIMA) Combined Models. Sustainability, 2019, 11, 695.	1.6	13
72	Urbanization and water consumption at national- and subnational-scale: The roles of structural changes in economy, population, and resources. Sustainable Cities and Society, 2021, 75, 103272.	5.1	13

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73	Towards smart energy systems – A survey about the impact of COVID-19 pandemic on renewable energy research. Energy Strategy Reviews, 2022, 41, 100845.	3.3	12
74	Investigating Low-Carbon City: Empirical Study of Shanghai. Sustainability, 2018, 10, 1054.	1.6	11
75	Is Urban Economic Output Decoupling from Water Use in Developing Countries?—Empirical Analysis of Beijing and Shanghai, China. Water (Switzerland), 2019, 11, 1335.	1.2	11
76	Prediction of the Energy Demand Trend in Middle Africa—A Comparison of MGM, MECM, ARIMA and BP Models. Sustainability, 2019, 11, 2436.	1.6	11
77	How to Dispose of Medical Waste Caused by COVID-19? A Case Study of China. International Journal of Environmental Research and Public Health, 2021, 18, 12127.	1.2	11
78	Emissions in maritime transport: A decomposition analysis from the perspective of production-based and consumption-based emissions. Marine Policy, 2022, 143, 105125.	1.5	11
79	Is carbon emission decline caused by economic decline? Empirical evidence from Russia. Energy and Environment, 2019, 30, 672-684.	2.7	10
80	Does official development assistance alleviate the environmental pressures during the urbanization of recipient countries? Evidence from the sub-Saharan Africa countries. Environmental Impact Assessment Review, 2022, 95, 106787.	4.4	10
81	Research status and collaboration analysis based on big data mining: an empirical study of Alzheimer's disease. Technology Analysis and Strategic Management, 2021, 33, 379-395.	2.0	9
82	Population aging redefines the economic growth-carbon emissions nexus, energy consumption-carbon emissions nexus - Evidence from 36 OECD countries. Energy and Environment, 2023, 34, 946-970.	2.7	9
83	Decomposition analysis of the decoupling process between economic growth and carbon emission in Beijing city, China: A sectoral perspective. Energy and Environment, 2020, 31, 961-982.	2.7	8
84	Decomposition Analysis in Electricity Sector Output from Carbon Emissions in China. Sustainability, 2018, 10, 3251.	1.6	7
85	Predicting Coal Consumption in South Africa Based on Linear (Metabolic Grey Model), Nonlinear (Non-Linear Grey Model), and Combined (Metabolic Grey Model-Autoregressive Integrated Moving) Tj ETQq1 1 0.784314 rgBT /Overloc		7
86	Forecasting India's Electricity Demand Using a Range of Probabilistic Methods. Energies, 2019, 12, 2574.	1.6	7
87	How does the EU's COVID-19 economic recession impact the renewable energy of other countries? The spillover effect. Energy Strategy Reviews, 2022, 40, 100825.	3.3	7
88	Inequality of Carbon Intensity: Empirical Analysis of China 2000–2014. Sustainability, 2017, 9, 711.	1.6	6
89	Identifying R&D partners for dye-sensitized solar cells: a multi-level patent portfolio-based approach. Technology Analysis and Strategic Management, 2019, 31, 356-370.	2.0	6
90	Do environmental regulation and urbanization help decouple economic growth from water consumption at national and subnational scales in China?. Environmental Science and Pollution Research, 2022, 29, 19473-19495.	2.7	6

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91	Impact of foreign aid on the ecological sustainability of sub-Saharan African countries. Environmental Impact Assessment Review, 2022, 95, 106779.	4.4	6
92	How can Germany reduce production-based and consumption-based carbon emissions? A decomposition analysis. Carbon Management, 2021, 12, 335-357.	1.2	5
93	Towards economic value-added growth without carbon emission embodied growth in North–North trade—An empirical analysis of US-German trade. Environmental Science and Pollution Research, 2022, 29, 43874-43890.	2.7	5
94	Revisiting the Existence of EKC Hypothesis under Different Degrees of Population Aging: Empirical Analysis of Panel Data from 140 Countries. International Journal of Environmental Research and Public Health, 2021, 18, 12753.	1.2	5
95	Chinese government reaffirms backing for GM products. Nature Biotechnology, 2015, 33, 1029-1029.	9.4	4
96	Does improvement in education level reduce ecological footprint? A non-linear analysis considering population structure and income. Journal of Environmental Planning and Management, 2023, 66, 1765-1793.	2.4	4
97	Research on the cost forecast of China's photovoltaic industry. R and D Management, 2016, 46, 3-12.	3.0	2
98	Investigating the Effects of the United States' Economic Slowdown Related to the COVID-19 Pandemic on Energy Consumption in Other Countries—A Global Vector Autoregressive Model. Energies, 2021, 14, 2984.	1.6	2
99	Is global carbon inequality getting better or worse? A decomposition analysis of carbon inequality in intraincome and interincome groups. Management of Environmental Quality, 2021, ahead-of-print, .	2.2	2
100	Does COVID-19 reduce international cooperation in supply chain research between the US and China?. Benchmarking, 2023, 30, 697-712.	2.9	1
101	Imbalances Between the Quantity and Quality of China's Solar Energy Research. Sustainability, 2019, 11, 623.	1.6	0