Shaojian Wang

List of Publications by Year
in descending order

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102 papers	11,851 citations	22099 59 h-index	30848 102 g-index
102 all docs	102 docs citations	102 times ranked	6590 citing authors

#	Article	IF	Citations
1	Spatiotemporal patterns of global carbon intensities and their driving forces. Science of the Total Environment, 2022, 818, 151690.	3.9	14
2	The coupling relationship between urbanization and ecological resilience in the Pearl River Delta. Journal of Chinese Geography, 2022, 32, 44-64.	1.5	56
3	Will the construction of high-speed rail accelerate urban land expansion? Evidences from Chinese cities. Land Use Policy, 2022, 114, 105920.	2.5	16
4	The dynamic effect of environmental regulation on firmsâ€™ energy consumption behavior-Evidence from China's industrial firms. Renewable and Sustainable Energy Reviews, 2022, 156, 111966.	8.2	21
5	Development zones and urban economic performance in China: Direct impact and channel effects. Growth and Change, 2022, 53, 1762-1782.	1.3	5
6	How does urbanization affect the carbon intensity of human well-being? A global assessment. Applied Energy, 2022, 312, 118798.	5.1	44
7	Development Zones and Their Surrounding Host Cities in China: Isolation and Mutually Beneficial Interactions. Land, 2022, 11, 20.	1.2	3
8	Which Factors Influence the Regional Difference of Urbanâ€“Rural Residential CO2 Emissions? A Case Study by Cross-Regional Panel Analysis in China. Land, 2022, 11, 632.	1.2	3
9	The Impacts of Urban Form on PM2.5 Concentrations: A Regional Analysis of Cities in China from 2000 to 2015. Atmosphere, 2022, 13, 963.	1.0	5
10	Consumption-based carbon intensity of human well-being and its socioeconomic drivers in countries globally. Journal of Cleaner Production, 2022, 366, 132886.	4.6	3
11	The varying driving forces of urban land expansion in China: Insights from a spatial-temporal analysis. Science of the Total Environment, 2021, 766, 142591.	3.9	62
12	Factors of ecosystem service values in a fast-developing region in China: Insights from the joint impacts of human activities and natural conditions. Journal of Cleaner Production, 2021, 297, 126588.	4.6	53
13	A global North-South division line for portraying urban development. IScience, 2021, 24, 102729.	1.9	17
14	How technological progress affects the carbon emission efficiency? Evidence from national panel quantile regression. Journal of Cleaner Production, 2021, 307, 127133.	4.6	176
15	The drivers of declining CO2 emissions trends in developed nations using an extended STIRPAT model: A historical and prospective analysis. Renewable and Sustainable Energy Reviews, 2021, 149, 111328.	8.2	101
16	The coupling curve between urbanization and the eco-environment: Chinaâ€™s urban agglomeration as a case study. Ecological Indicators, 2021, 130, 108107.	2.6	111
17	Quantifying embodied cultivated land-use change and its socioeconomic driving forces in China. Applied Geography, 2021, 137, 102601.	1.7	16
18	Strategizing the relation between urbanization and air pollution: Empirical evidence from global countries. Journal of Cleaner Production, 2020, 243, 118615.	4.6	132

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19	Polycentric and dispersed population distribution increases PM2.5 concentrations: Evidence from 286 Chinese cities, 2001â€“2016. Journal of Cleaner Production, 2020, 248, 119202.	4.6	32
20	The varying driving forces of PM2.5 concentrations in Chinese cities: Insights from a geographically and temporally weighted regression model. Environment International, 2020, 145, 106168.	4.8	36
21	High-spatiotemporal-resolution mapping of global urban change from 1985 to 2015. Nature Sustainability, 2020, 3, 564-570.	11.5	391
22	Spatiotemporal evolution of urban carbon emission performance in China and prediction of future trends. Journal of Chinese Geography, 2020, 30, 757-774.	1.5	40
23	Global protected areas boost the carbon sequestration capacity: Evidences from econometric causal analysis. Science of the Total Environment, 2020, 715, 137001.	3.9	23
24	How global value chain participation affects China's energy intensity. Journal of Environmental Management, 2020, 260, 110041.	3.8	41
25	Emission reduction target, complexity and industrial performance. Journal of Environmental Management, 2020, 260, 110148.	3.8	37
26	Dynamics, differences, influencing factors of eco-efficiency in China: A spatiotemporal perspective analysis. Journal of Environmental Management, 2020, 264, 110442.	3.8	66
27	Examining the effects of education level inequality on energy consumption: Evidence from Guangdong Province. Journal of Environmental Management, 2020, 269, 110761.	3.8	34
28	Does the path of technological progress matter in mitigating China's PM2.5 concentrations? Evidence from three urban agglomerations in China. Environmental Pollution, 2019, 254, 113012.	3.7	39
29	Estimating the dynamic effects of socioeconomic development on industrial SO2 emissions in Chinese cities using a DPSIR causal framework. Resources, Conservation and Recycling, 2019, 150, 104450.	5.3	29
30	Inequalities in carbon intensity in China: A multi-scalar and multi-mechanism analysis. Applied Energy, 2019, 254, 113720.	5.1	36
31	Coupling analysis of urbanization and energy-environment efficiency: Evidence from Guangdong province. Applied Energy, 2019, 254, 113650.	5.1	137
32	How do urban spatial structures evolution in the high-speed rail era? Case study of Yangtze River Delta, China. Habitat International, 2019, 93, 102051.	2.3	29
33	Scenario simulation of urban energy-related CO2 emissions by coupling the socioeconomic factors and spatial structures. Applied Energy, 2019, 238, 1163-1178.	5.1	43
34	Socioeconomic driving forces and scenario simulation of CO2 emissions for a fast-developing region in China. Journal of Cleaner Production, 2019, 216, 217-229.	4.6	66
35	Impacts of Urban Expansion on Terrestrial Carbon Storage in China. Environmental Science & Technology, 2019, 53, 6834-6844.	4.6	90
36	Does migration of pollution-intensive industries impact environmental efficiency? Evidence supporting â€œPollution Haven Hypothesisâ€• Journal of Environmental Management, 2019, 242, 142-152.	3.8	94

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37	Examining the influences of urbanization on carbon dioxide emissions in the Yangtze River Delta, China: Kuznets curve relationship. Science of the Total Environment, 2019, 675, 472-482.	3.9	148
38	Energy relations between China and the countries along the Belt and Road: An analysis of the distribution of energy resources and interdependence relationships. Renewable and Sustainable Energy Reviews, 2019, 107, 133-144.	8.2	85
39	Spatial Heterogeneity in the Determinants of Urban Form: An Analysis of Chinese Cities with a GWR Approach. Sustainability, 2019, 11, 479.	1.6	20
40	Investigating the differentiated impacts of socioeconomic factors and urban forms on CO2 emissions: Empirical evidence from Chinese cities of different developmental levels. Journal of Cleaner Production, 2019, 226, 601-614.	4.6	48
41	Does modernization affect carbon dioxide emissions? A panel data analysis. Science of the Total Environment, 2019, 663, 426-435.	3.9	66
42	Examining the spatially varying effects of factors on PM2.5 concentrations in Chinese cities using geographically weighted regression modeling. Environmental Pollution, 2019, 248, 792-803.	3.7	70
43	Evaluating the energy-environment efficiency and its determinants in Guangdong using a slack-based measure with environmental undesirable outputs and panel data model. Science of the Total Environment, 2019, 663, 878-888.	3.9	77
44	Global urban expansion offsets climate-driven increases in terrestrial net primary productivity. Nature Communications, 2019, 10, 5558.	5.8	198
45	Estimating the impacts of urban form on CO2 emission efficiency in the Pearl River Delta, China. Cities, 2019, 85, 117-129.	2.7	111
46	The effect of natural and anthropogenic factors on PM2.5: Empirical evidence from Chinese cities with different income levels. Science of the Total Environment, 2019, 653, 157-167.	3.9	83
47	Examining the multiple impacts of technological progress on CO2 emissions in China: A panel quantile regression approach. Renewable and Sustainable Energy Reviews, 2019, 103, 140-150.	8.2	179
48	Examining the effects of socioeconomic development on China's carbon productivity: A panel data analysis. Science of the Total Environment, 2019, 659, 681-690.	3.9	92
49	Examining the spatial variations of determinants of energy-related CO2 emissions in China at the city level using Geographically Weighted Regression Model. Applied Energy, 2019, 235, 95-105.	5.1	183
50	Spatial spillover effect and driving forces of carbon emission intensity at the city level in China. Journal of Chinese Geography, 2019, 29, 231-252.	1.5	85
51	Decarbonizing Chinaâ€™s Urban Agglomerations. Annals of the American Association of Geographers, 2019, 109, 266-285.	1.5	26
52	Examining the effects of income inequality on CO2 emissions: Evidence from non-spatial and spatial perspectives. Applied Energy, 2019, 236, 163-171.	5.1	114
53	Structural contribution and scenario simulation of highway passenger transit carbon emissions in the Beijing-Tianjin-Hebei metropolitan region, China. Resources, Conservation and Recycling, 2019, 140, 209-215.	5.3	27
54	Regional inequality, spatial spillover effects, and the factors influencing city-level energy-related carbon emissions in China. Journal of Chinese Geography, 2018, 28, 495-513.	1.5	44

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55	Effect of land prices on the spatial differentiation of housing prices: Evidence from cross-county analyses in China. Journal of Chinese Geography, 2018, 28, 725-740.	1.5	19
56	Estimation of eco-efficiency and its influencing factors in Guangdong province based on Super-SBM and panel regression models. Ecological Indicators, 2018, 86, 67-80.	2.6	195
57	Estimating spatiotemporal variations of city-level energy-related CO2 emissions: An improved disaggregating model based on vegetation adjusted nighttime light data. Journal of Cleaner Production, 2018, 177, 101-114.	4.6	94
58	High-resolution multi-temporal mapping of global urban land using Landsat images based on the Google Earth Engine Platform. Remote Sensing of Environment, 2018, 209, 227-239.	4.6	448
59	Urbanization, economic growth, energy consumption, and CO2 emissions: Empirical evidence from countries with different income levels. Renewable and Sustainable Energy Reviews, 2018, 81, 2144-2159.	8.2	381
60	Does foreign direct investment affect environmental pollution in China's cities? A spatial econometric perspective. Science of the Total Environment, 2018, 613-614, 521-529.	3.9	222
61	Examining the determinants and the spatial nexus of city-level CO2 emissions in China: A dynamic spatial panel analysis of China's cities. Journal of Cleaner Production, 2018, 171, 917-926.	4.6	74
62	Examining the effects of socioeconomic development on fine particulate matter (PM2.5) in China's cities using spatial regression and the geographical detector technique. Science of the Total Environment, 2018, 619-620, 436-445.	3.9	189
63	Examining the socioeconomic determinants of CO2 emissions in China: A historical and prospective analysis. Resources, Conservation and Recycling, 2018, 130, 1-11.	5.3	57
64	Stronger Contributions of Urbanization to Heat Wave Trends in Wet Climates. Geophysical Research Letters, 2018, 45, 11,310.	1.5	93
65	Income distribution and environmental quality in China: A spatial econometric perspective. Journal of Cleaner Production, 2018, 205, 14-26.	4.6	52
66	Estimating the effects of socioeconomic structure on CO2 emissions in China using an econometric analysis framework. Structural Change and Economic Dynamics, 2018, 47, 18-27.	2.1	15
67	The effects of urbanization on CO2 emissions in the Pearl River Delta: A comprehensive assessment and panel data analysis. Applied Energy, 2018, 228, 1693-1706.	5.1	144
68	Examining the Impacts of Urban Form on Air Pollution in Developing Countries: A Case Study of Chinaâ€™s Megacities. International Journal of Environmental Research and Public Health, 2018, 15, 1565.	1.2	68
69	Measuring the Direct and Indirect Effects of Neighborhood-Built Environments on Travel-related CO2 Emissions: A Structural Equation Modeling Approach. Sustainability, 2018, 10, 1372.	1.6	9
70	Does Migrant Status and Household Registration Matter? Examining the Effects of City Size on Self-Rated Health. Sustainability, 2018, 10, 2204.	1.6	3
71	Impacts of energy consumption structure, energy intensity, economic growth, urbanization on PM2.5 concentrations in countries globally. Applied Energy, 2018, 230, 94-105.	5.1	155
72	Spatial variations of PM2.5 in Chinese cities for the joint impacts of human activities and natural conditions: A global and local regression perspective. Journal of Cleaner Production, 2018, 203, 143-152.	4.6	82

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73	Dose urban landscape pattern affect CO2 emission efficiency? Empirical evidence from megacities in China. Journal of Cleaner Production, 2018, 203, 164-178.	4.6	53
74	Identifying the socioeconomic determinants of population exposure to particulate matter (PM2.5) in China using geographically weighted regression modeling. Environmental Pollution, 2018, 241, 494-503.	3.7	71
75	The impact of anthropogenic emissions and meteorological conditions on the spatial variation of ambient SO2 concentrations: A panel study of 113 Chinese cities. Science of the Total Environment, 2017, 584-585, 318-328.	3.9	75
76	Examining the relationship between urbanization and the eco-environment using a coupling analysis: Case study of Shanghai, China. Ecological Indicators, 2017, 77, 185-193.	2.6	281
77	A New Global Land-Use and Land-Cover Change Product at a 1-km Resolution for 2010 to 2100 Based on Humanâ€“Environment Interactions. Annals of the American Association of Geographers, 2017, 107, 1040-1059.	1.5	206
78	China's municipal public infrastructure: Estimating construction levels and investment efficiency using the entropy method and a DEA model. Habitat International, 2017, 64, 59-70.	2.3	65
79	Chinaâ€™s city-level energy-related CO 2 emissions: Spatiotemporal patterns and driving forces. Applied Energy, 2017, 200, 204-214.	5.1	216
80	Examining the impacts of socioeconomic factors, urban form, and transportation networks on CO2 emissions in Chinaâ€™s megacities. Applied Energy, 2017, 185, 189-200.	5.1	306
81	Identifying the determinants of housing prices in China using spatial regression and the geographical detector technique. Applied Geography, 2017, 79, 26-36.	1.7	107
82	A future land use simulation model (FLUS) for simulating multiple land use scenarios by coupling human and natural effects. Landscape and Urban Planning, 2017, 168, 94-116.	3.4	940
83	Are the temporal variation and spatial variation of ambient SO2 concentrations determined by different factors?. Journal of Cleaner Production, 2017, 167, 824-836.	4.6	20
84	The spatial differentiation of the coupling relationship between urbanization and the eco-environment in countries globally: A comprehensive assessment. Ecological Modelling, 2017, 360, 313-327.	1.2	90
85	The characteristics and drivers of fine particulate matter (PM2.5) distribution in China. Journal of Cleaner Production, 2017, 142, 1800-1809.	4.6	287
86	Spatiotemporal Variations and Driving Factors of Air Pollution in China. International Journal of Environmental Research and Public Health, 2017, 14, 1538.	1.2	37
87	CO 2 , economic growth, and energy consumption in China's provinces: Investigating the spatiotemporal and econometric characteristics of China's CO 2 emissions. Ecological Indicators, 2016, 69, 184-195.	2.6	104
88	Understanding the relation between urbanization and the eco-environment in China's Yangtze River Delta using an improved EKC model and coupling analysis. Science of the Total Environment, 2016, 571, 862-875.	3.9	211
89	The Effect of Economic Growth, Urbanization, and Industrialization on Fine Particulate Matter (PM_{2.5}) Concentrations in China. Environmental Science & Technology, 2016, 50, 11452-11459.	4.6	280
90	Impacts of energy consumption, energy structure, and treatment technology on SO2 emissions: A multi-scale LMDI decomposition analysis in China. Applied Energy, 2016, 184, 714-726.	5.1	126

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91	Exploring spatiotemporal changes in ecosystem-service values and hotspots in China. Science of the Total Environment, 2016, 545-546, 609-620.	3.9	124
92	Spatiotemporal variations of energy-related CO 2 emissions in China and its influencing factors: An empirical analysis based on provincial panel data. Renewable and Sustainable Energy Reviews, 2016, 55, 505-515.	8.2	201
93	Changing and Differentiated Urban Landscape in China: Spatiotemporal Patterns and Driving Forces. Environmental Science & Technology, 2016, 50, 2217-2227.	4.6	102
94	The relationship between economic growth, energy consumption, and CO2 emissions: Empirical evidence from China. Science of the Total Environment, 2016, 542, 360-371.	3.9	441
95	The Relationship between Urbanization, Economic Growth and Energy Consumption in China: An Econometric Perspective Analysis. Sustainability, 2015, 7, 5609-5627.	1.6	113
96	Spatiotemporal Characteristics, Determinants and Scenario Analysis of CO2 Emissions in China Using Provincial Panel Data. PLoS ONE, 2015, 10, e0138666.	1.1	29
97	Changing urban forms and carbon dioxide emissions in China: A case study of 30 provincial capital cities. Applied Energy, 2015, 158, 519-531.	5.1	272
98	Impact of urban landscape and environmental externalities on spatial differentiation of housing prices in Yangzhou City. Journal of Chinese Geography, 2015, 25, 1122-1136.	1.5	13
99	Quantifying the relationship between urban development intensity and carbon dioxide emissions using a panel data analysis. Ecological Indicators, 2015, 49, 121-131.	2.6	220
100	Urbanisation, energy consumption, and carbon dioxide emissions in China: A panel data analysis of Chinaâ€™s provinces. Applied Energy, 2014, 136, 738-749.	5.1	371
101	Spatial differences and multi-mechanism of carbon footprint based on GWR model in provincial China. Journal of Chinese Geography, 2014, 24, 612-630.	1.5	84
102	Exploring the relationship between urbanization and the eco-environmentâ€”A case study of Beijingâ€“Tianjinâ€“Hebei region. Ecological Indicators, 2014, 45, 171-183.	2.6	349