

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	A future land use simulation model (FLUS) for simulating multiple land use scenarios by coupling human and natural effects. <i>Landscape and Urban Planning</i> , 2017, 168, 94-116.	3.4	940
2	High-resolution multi-temporal mapping of global urban land using Landsat images based on the Google Earth Engine Platform. <i>Remote Sensing of Environment</i> , 2018, 209, 227-239.	4.6	448
3	The relationship between economic growth, energy consumption, and CO2 emissions: Empirical evidence from China. <i>Science of the Total Environment</i> , 2016, 542, 360-371.	3.9	441
4	High-spatiotemporal-resolution mapping of global urban change from 1985 to 2015. <i>Nature Sustainability</i> , 2020, 3, 564-570.	11.5	391
5	Urbanization, economic growth, energy consumption, and CO2 emissions: Empirical evidence from countries with different income levels. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 81, 2144-2159.	8.2	381
6	Urbanisation, energy consumption, and carbon dioxide emissions in China: A panel data analysis of China's provinces. <i>Applied Energy</i> , 2014, 136, 738-749.	5.1	371
7	Exploring the relationship between urbanization and the eco-environment—A case study of Beijing—Tianjin—Hebei region. <i>Ecological Indicators</i> , 2014, 45, 171-183.	2.6	349
8	Examining the impacts of socioeconomic factors, urban form, and transportation networks on CO2 emissions in China's megacities. <i>Applied Energy</i> , 2017, 185, 189-200.	5.1	306
9	The characteristics and drivers of fine particulate matter (PM2.5) distribution in China. <i>Journal of Cleaner Production</i> , 2017, 142, 1800-1809.	4.6	287
10	Examining the relationship between urbanization and the eco-environment using a coupling analysis: Case study of Shanghai, China. <i>Ecological Indicators</i> , 2017, 77, 185-193.	2.6	281
11	The Effect of Economic Growth, Urbanization, and Industrialization on Fine Particulate Matter (PM _{2.5}) Concentrations in China. <i>Environmental Science & Technology</i> , 2016, 50, 11452-11459.	4.6	280
12	Changing urban forms and carbon dioxide emissions in China: A case study of 30 provincial capital cities. <i>Applied Energy</i> , 2015, 158, 519-531.	5.1	272
13	Does foreign direct investment affect environmental pollution in China's cities? A spatial econometric perspective. <i>Science of the Total Environment</i> , 2018, 613-614, 521-529.	3.9	222
14	Quantifying the relationship between urban development intensity and carbon dioxide emissions using a panel data analysis. <i>Ecological Indicators</i> , 2015, 49, 121-131.	2.6	220
15	China's city-level energy-related CO ₂ emissions: Spatiotemporal patterns and driving forces. <i>Applied Energy</i> , 2017, 200, 204-214.	5.1	216
16	Understanding the relation between urbanization and the eco-environment in China's Yangtze River Delta using an improved EKC model and coupling analysis. <i>Science of the Total Environment</i> , 2016, 571, 862-875.	3.9	211
17	A New Global Land-Use and Land-Cover Change Product at a 1-km Resolution for 2010 to 2100 Based on Human—Environment Interactions. <i>Annals of the American Association of Geographers</i> , 2017, 107, 1040-1059.	1.5	206
18	Spatiotemporal variations of energy-related CO ₂ emissions in China and its influencing factors: An empirical analysis based on provincial panel data. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 55, 505-515.	8.2	201

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19	Global urban expansion offsets climate-driven increases in terrestrial net primary productivity. <i>Nature Communications</i> , 2019, 10, 5558.	5.8	198
20	Estimation of eco-efficiency and its influencing factors in Guangdong province based on Super-SBM and panel regression models. <i>Ecological Indicators</i> , 2018, 86, 67-80.	2.6	195
21	Examining the effects of socioeconomic development on fine particulate matter (PM2.5) in China's cities using spatial regression and the geographical detector technique. <i>Science of the Total Environment</i> , 2018, 619-620, 436-445.	3.9	189
22	Examining the spatial variations of determinants of energy-related CO2 emissions in China at the city level using Geographically Weighted Regression Model. <i>Applied Energy</i> , 2019, 235, 95-105.	5.1	183
23	Examining the multiple impacts of technological progress on CO2 emissions in China: A panel quantile regression approach. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 103, 140-150.	8.2	179
24	How technological progress affects the carbon emission efficiency? Evidence from national panel quantile regression. <i>Journal of Cleaner Production</i> , 2021, 307, 127133.	4.6	176
25	Impacts of energy consumption structure, energy intensity, economic growth, urbanization on PM2.5 concentrations in countries globally. <i>Applied Energy</i> , 2018, 230, 94-105.	5.1	155
26	Examining the influences of urbanization on carbon dioxide emissions in the Yangtze River Delta, China: Kuznets curve relationship. <i>Science of the Total Environment</i> , 2019, 675, 472-482.	3.9	148
27	The effects of urbanization on CO2 emissions in the Pearl River Delta: A comprehensive assessment and panel data analysis. <i>Applied Energy</i> , 2018, 228, 1693-1706.	5.1	144
28	Coupling analysis of urbanization and energy-environment efficiency: Evidence from Guangdong province. <i>Applied Energy</i> , 2019, 254, 113650.	5.1	137
29	Strategizing the relation between urbanization and air pollution: Empirical evidence from global countries. <i>Journal of Cleaner Production</i> , 2020, 243, 118615.	4.6	132
30	Impacts of energy consumption, energy structure, and treatment technology on SO2 emissions: A multi-scale LMDI decomposition analysis in China. <i>Applied Energy</i> , 2016, 184, 714-726.	5.1	126
31	Exploring spatiotemporal changes in ecosystem-service values and hotspots in China. <i>Science of the Total Environment</i> , 2016, 545-546, 609-620.	3.9	124
32	Examining the effects of income inequality on CO2 emissions: Evidence from non-spatial and spatial perspectives. <i>Applied Energy</i> , 2019, 236, 163-171.	5.1	114
33	The Relationship between Urbanization, Economic Growth and Energy Consumption in China: An Econometric Perspective Analysis. <i>Sustainability</i> , 2015, 7, 5609-5627.	1.6	113
34	Estimating the impacts of urban form on CO2 emission efficiency in the Pearl River Delta, China. <i>Cities</i> , 2019, 85, 117-129.	2.7	111
35	The coupling curve between urbanization and the eco-environment: China's urban agglomeration as a case study. <i>Ecological Indicators</i> , 2021, 130, 108107.	2.6	111
36	Identifying the determinants of housing prices in China using spatial regression and the geographical detector technique. <i>Applied Geography</i> , 2017, 79, 26-36.	1.7	107

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37	CO ₂ , economic growth, and energy consumption in China's provinces: Investigating the spatiotemporal and econometric characteristics of China's CO ₂ emissions. <i>Ecological Indicators</i> , 2016, 69, 184-195.	2.6	104
38	Changing and Differentiated Urban Landscape in China: Spatiotemporal Patterns and Driving Forces. <i>Environmental Science & Technology</i> , 2016, 50, 2217-2227.	4.6	102
39	The drivers of declining CO ₂ emissions trends in developed nations using an extended STIRPAT model: A historical and prospective analysis. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 149, 111328.	8.2	101
40	Estimating spatiotemporal variations of city-level energy-related CO ₂ emissions: An improved disaggregating model based on vegetation adjusted nighttime light data. <i>Journal of Cleaner Production</i> , 2018, 177, 101-114.	4.6	94
41	Does migration of pollution-intensive industries impact environmental efficiency? Evidence supporting the "Pollution Haven Hypothesis". <i>Journal of Environmental Management</i> , 2019, 242, 142-152.	3.8	94
42	Stronger Contributions of Urbanization to Heat Wave Trends in Wet Climates. <i>Geophysical Research Letters</i> , 2018, 45, 11,310.	1.5	93
43	Examining the effects of socioeconomic development on China's carbon productivity: A panel data analysis. <i>Science of the Total Environment</i> , 2019, 659, 681-690.	3.9	92
44	The spatial differentiation of the coupling relationship between urbanization and the eco-environment in countries globally: A comprehensive assessment. <i>Ecological Modelling</i> , 2017, 360, 313-327.	1.2	90
45	Impacts of Urban Expansion on Terrestrial Carbon Storage in China. <i>Environmental Science & Technology</i> , 2019, 53, 6834-6844.	4.6	90
46	Energy relations between China and the countries along the Belt and Road: An analysis of the distribution of energy resources and interdependence relationships. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 107, 133-144.	8.2	85
47	Spatial spillover effect and driving forces of carbon emission intensity at the city level in China. <i>Journal of Chinese Geography</i> , 2019, 29, 231-252.	1.5	85
48	Spatial differences and multi-mechanism of carbon footprint based on GWR model in provincial China. <i>Journal of Chinese Geography</i> , 2014, 24, 612-630.	1.5	84
49	The effect of natural and anthropogenic factors on PM _{2.5} : Empirical evidence from Chinese cities with different income levels. <i>Science of the Total Environment</i> , 2019, 653, 157-167.	3.9	83
50	Spatial variations of PM _{2.5} in Chinese cities for the joint impacts of human activities and natural conditions: A global and local regression perspective. <i>Journal of Cleaner Production</i> , 2018, 203, 143-152.	4.6	82
51	Evaluating the energy-environment efficiency and its determinants in Guangdong using a slack-based measure with environmental undesirable outputs and panel data model. <i>Science of the Total Environment</i> , 2019, 663, 878-888.	3.9	77
52	The impact of anthropogenic emissions and meteorological conditions on the spatial variation of ambient SO ₂ concentrations: A panel study of 113 Chinese cities. <i>Science of the Total Environment</i> , 2017, 584-585, 318-328.	3.9	75
53	Examining the determinants and the spatial nexus of city-level CO ₂ emissions in China: A dynamic spatial panel analysis of China's cities. <i>Journal of Cleaner Production</i> , 2018, 171, 917-926.	4.6	74
54	Identifying the socioeconomic determinants of population exposure to particulate matter (PM _{2.5}) in China using geographically weighted regression modeling. <i>Environmental Pollution</i> , 2018, 241, 494-503.	3.7	71

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55	Examining the spatially varying effects of factors on PM2.5 concentrations in Chinese cities using geographically weighted regression modeling. <i>Environmental Pollution</i> , 2019, 248, 792-803.	3.7	70
56	Examining the Impacts of Urban Form on Air Pollution in Developing Countries: A Case Study of China's Megacities. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1565.	1.2	68
57	Socioeconomic driving forces and scenario simulation of CO2 emissions for a fast-developing region in China. <i>Journal of Cleaner Production</i> , 2019, 216, 217-229.	4.6	66
58	Does modernization affect carbon dioxide emissions? A panel data analysis. <i>Science of the Total Environment</i> , 2019, 663, 426-435.	3.9	66
59	Dynamics, differences, influencing factors of eco-efficiency in China: A spatiotemporal perspective analysis. <i>Journal of Environmental Management</i> , 2020, 264, 110442.	3.8	66
60	China's municipal public infrastructure: Estimating construction levels and investment efficiency using the entropy method and a DEA model. <i>Habitat International</i> , 2017, 64, 59-70.	2.3	65
61	The varying driving forces of urban land expansion in China: Insights from a spatial-temporal analysis. <i>Science of the Total Environment</i> , 2021, 766, 142591.	3.9	62
62	Examining the socioeconomic determinants of CO2 emissions in China: A historical and prospective analysis. <i>Resources, Conservation and Recycling</i> , 2018, 130, 1-11.	5.3	57
63	The coupling relationship between urbanization and ecological resilience in the Pearl River Delta. <i>Journal of Chinese Geography</i> , 2022, 32, 44-64.	1.5	56
64	Dose urban landscape pattern affect CO2 emission efficiency? Empirical evidence from megacities in China. <i>Journal of Cleaner Production</i> , 2018, 203, 164-178.	4.6	53
65	Factors of ecosystem service values in a fast-developing region in China: Insights from the joint impacts of human activities and natural conditions. <i>Journal of Cleaner Production</i> , 2021, 297, 126588.	4.6	53
66	Income distribution and environmental quality in China: A spatial econometric perspective. <i>Journal of Cleaner Production</i> , 2018, 205, 14-26.	4.6	52
67	Investigating the differentiated impacts of socioeconomic factors and urban forms on CO2 emissions: Empirical evidence from Chinese cities of different developmental levels. <i>Journal of Cleaner Production</i> , 2019, 226, 601-614.	4.6	48
68	Regional inequality, spatial spillover effects, and the factors influencing city-level energy-related carbon emissions in China. <i>Journal of Chinese Geography</i> , 2018, 28, 495-513.	1.5	44
69	How does urbanization affect the carbon intensity of human well-being? A global assessment. <i>Applied Energy</i> , 2022, 312, 118798.	5.1	44
70	Scenario simulation of urban energy-related CO2 emissions by coupling the socioeconomic factors and spatial structures. <i>Applied Energy</i> , 2019, 238, 1163-1178.	5.1	43
71	How global value chain participation affects China's energy intensity. <i>Journal of Environmental Management</i> , 2020, 260, 110041.	3.8	41
72	Spatiotemporal evolution of urban carbon emission performance in China and prediction of future trends. <i>Journal of Chinese Geography</i> , 2020, 30, 757-774.	1.5	40

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73	Does the path of technological progress matter in mitigating China's PM2.5 concentrations? Evidence from three urban agglomerations in China. <i>Environmental Pollution</i> , 2019, 254, 113012.	3.7	39
74	Spatiotemporal Variations and Driving Factors of Air Pollution in China. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 1538.	1.2	37
75	Emission reduction target, complexity and industrial performance. <i>Journal of Environmental Management</i> , 2020, 260, 110148.	3.8	37
76	Inequalities in carbon intensity in China: A multi-scalar and multi-mechanism analysis. <i>Applied Energy</i> , 2019, 254, 113720.	5.1	36
77	The varying driving forces of PM2.5 concentrations in Chinese cities: Insights from a geographically and temporally weighted regression model. <i>Environment International</i> , 2020, 145, 106168.	4.8	36
78	Examining the effects of education level inequality on energy consumption: Evidence from Guangdong Province. <i>Journal of Environmental Management</i> , 2020, 269, 110761.	3.8	34
79	Polycentric and dispersed population distribution increases PM2.5 concentrations: Evidence from 286 Chinese cities, 2001–2016. <i>Journal of Cleaner Production</i> , 2020, 248, 119202.	4.6	32
80	Spatiotemporal Characteristics, Determinants and Scenario Analysis of CO2 Emissions in China Using Provincial Panel Data. <i>PLoS ONE</i> , 2015, 10, e0138666.	1.1	29
81	Estimating the dynamic effects of socioeconomic development on industrial SO2 emissions in Chinese cities using a DPSIR causal framework. <i>Resources, Conservation and Recycling</i> , 2019, 150, 104450.	5.3	29
82	How do urban spatial structures evolution in the high-speed rail era? Case study of Yangtze River Delta, China. <i>Habitat International</i> , 2019, 93, 102051.	2.3	29
83	Structural contribution and scenario simulation of highway passenger transit carbon emissions in the Beijing-Tianjin-Hebei metropolitan region, China. <i>Resources, Conservation and Recycling</i> , 2019, 140, 209-215.	5.3	27
84	Decarbonizing China's Urban Agglomerations. <i>Annals of the American Association of Geographers</i> , 2019, 109, 266-285.	1.5	26
85	Global protected areas boost the carbon sequestration capacity: Evidences from econometric causal analysis. <i>Science of the Total Environment</i> , 2020, 715, 137001.	3.9	23
86	The dynamic effect of environmental regulation on firms' energy consumption behavior-Evidence from China's industrial firms. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 156, 111966.	8.2	21
87	Are the temporal variation and spatial variation of ambient SO2 concentrations determined by different factors?. <i>Journal of Cleaner Production</i> , 2017, 167, 824-836.	4.6	20
88	Spatial Heterogeneity in the Determinants of Urban Form: An Analysis of Chinese Cities with a GWR Approach. <i>Sustainability</i> , 2019, 11, 479.	1.6	20
89	Effect of land prices on the spatial differentiation of housing prices: Evidence from cross-county analyses in China. <i>Journal of Chinese Geography</i> , 2018, 28, 725-740.	1.5	19
90	A global North-South division line for portraying urban development. <i>IScience</i> , 2021, 24, 102729.	1.9	17

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91	Quantifying embodied cultivated land-use change and its socioeconomic driving forces in China. <i>Applied Geography</i> , 2021, 137, 102601.	1.7	16
92	Will the construction of high-speed rail accelerate urban land expansion? Evidences from Chinese cities. <i>Land Use Policy</i> , 2022, 114, 105920.	2.5	16
93	Estimating the effects of socioeconomic structure on CO2 emissions in China using an econometric analysis framework. <i>Structural Change and Economic Dynamics</i> , 2018, 47, 18-27.	2.1	15
94	Spatiotemporal patterns of global carbon intensities and their driving forces. <i>Science of the Total Environment</i> , 2022, 818, 151690.	3.9	14
95	Impact of urban landscape and environmental externalities on spatial differentiation of housing prices in Yangzhou City. <i>Journal of Chinese Geography</i> , 2015, 25, 1122-1136.	1.5	13
96	Measuring the Direct and Indirect Effects of Neighborhood-Built Environments on Travel-related CO2 Emissions: A Structural Equation Modeling Approach. <i>Sustainability</i> , 2018, 10, 1372.	1.6	9
97	Development zones and urban economic performance in China: Direct impact and channel effects. <i>Growth and Change</i> , 2022, 53, 1762-1782.	1.3	5
98	The Impacts of Urban Form on PM2.5 Concentrations: A Regional Analysis of Cities in China from 2000 to 2015. <i>Atmosphere</i> , 2022, 13, 963.	1.0	5
99	Does Migrant Status and Household Registration Matter? Examining the Effects of City Size on Self-Rated Health. <i>Sustainability</i> , 2018, 10, 2204.	1.6	3
100	Development Zones and Their Surrounding Host Cities in China: Isolation and Mutually Beneficial Interactions. <i>Land</i> , 2022, 11, 20.	1.2	3
101	Which Factors Influence the Regional Difference of Urban-Rural Residential CO2 Emissions? A Case Study by Cross-Regional Panel Analysis in China. <i>Land</i> , 2022, 11, 632.	1.2	3
102	Consumption-based carbon intensity of human well-being and its socioeconomic drivers in countries globally. <i>Journal of Cleaner Production</i> , 2022, 366, 132886.	4.6	3