

# Haikun Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

65  
papers

4,147  
citations

117453

34  
h-index

128067

60  
g-index

78  
all docs

78  
docs citations

78  
times ranked

4632  
citing authors

#	ARTICLE	IF	CITATIONS
1	Population aging might have delayed the alleviation of China's PM2.5 health burden. <i>Atmospheric Environment</i> , 2022, 270, 118895.	1.9	5
2	Air quality and health co-benefits of China's carbon dioxide emissions peaking before 2030. <i>Nature Communications</i> , 2022, 13, 1008.	5.8	95
3	Comparing Decoupling and Driving Forces of CO2 Emissions in China and India. <i>Frontiers in Environmental Science</i> , 2022, 10, .	1.5	5
4	Cluster-Enhanced Ensemble Learning for Mapping Global Monthly Surface Ozone From 2003 to 2019. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	10
5	Carbon footprint and embodied carbon transfer at city level: A nested MRIO analysis of Central Plain urban agglomeration in China. <i>Sustainable Cities and Society</i> , 2022, 83, 103977.	5.1	20
6	Potential Health Benefit of NO2 Abatement in China's Urban Areas: Inspirations for Source-specific Pollution Control Strategy. <i>The Lancet Regional Health - Western Pacific</i> , 2022, 24, 100482.	1.3	2
7	Enhanced secondary pollution offset reduction of primary emissions during COVID-19 lockdown in China. <i>National Science Review</i> , 2021, 8, nwa137.	4.6	493
8	Low-carbon pathways for the booming express delivery sector in China. <i>Nature Communications</i> , 2021, 12, 450.	5.8	36
9	Large-eddy simulation of traffic-related air pollution at a very high resolution in a mega-city: evaluation against mobile sensors and insights for influencing factors. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 2917-2929.	1.9	16
10	Regional CO <sub>2</sub> fluxes from 2010 to 2015 inferred from GOSAT XCO <sub>2</sub> retrievals using a new version of the Global Carbon Assimilation System. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 1963-1985.	1.9	23
11	Global air quality change during the COVID-19 pandemic: Regionally different ozone pollution responses COVID-19. <i>Atmospheric and Oceanic Science Letters</i> , 2021, 14, 100015.	0.5	17
12	Modeling of the health impacts of ambient ozone pollution in China and India. <i>Atmospheric Environment</i> , 2021, 267, 118753.	1.9	7
13	Health benefits of on-road transportation pollution control programs in China. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 25370-25377.	3.3	57
14	NO <sub>x</sub> Emission Changes Over China During the COVID-19 Epidemic Inferred From Surface NO <sub>2</sub> Observations. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090080.	1.5	62
15	Province-level fossil fuel CO2 emission estimates for China based on seven inventories. <i>Journal of Cleaner Production</i> , 2020, 277, 123377.	4.6	19
16	Satellite-Observed Variations and Trends in Carbon Monoxide over Asia and Their Sensitivities to Biomass Burning. <i>Remote Sensing</i> , 2020, 12, 830.	1.8	26
17	Shale gas development in China: Implications for indoor and outdoor air quality and greenhouse gas emissions. <i>Environment International</i> , 2020, 141, 105727.	4.8	8
18	Air Pollutant Emissions Induced by Population Migration in China. <i>Environmental Science &amp; Technology</i> , 2020, 54, 6308-6318.	4.6	37

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19	CO Emissions Inferred From Surface CO Observations Over China in December 2013 and 2017. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031808.	1.2	24
20	Evaluating China's fossil-fuel CO <sub>2</sub> emissions from a comprehensive dataset of nine inventories. Atmospheric Chemistry and Physics, 2020, 20, 11371-11385.	1.9	36
21	China's CO <sub>2</sub> peak before 2030 implied from characteristics and growth of cities. Nature Sustainability, 2019, 2, 748-754.	11.5	210
22	Health burdens of ambient PM <sub>2.5</sub> pollution across Chinese cities during 2006–2015. Journal of Environmental Management, 2019, 243, 250-256.	3.8	51
23	Gasification of coal and biomass as a net carbon-negative power source for environment-friendly electricity generation in China. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8206-8213.	3.3	78
24	Quantifying regional consumption-based health impacts attributable to ambient air pollution in China. Environment International, 2018, 112, 100-106.	4.8	24
25	Impacts of O <sub>3</sub> on premature mortality and crop yield loss across China. Atmospheric Environment, 2018, 194, 41-47.	1.9	97
26	The impact of power generation emissions on ambient PM <sub>2.5</sub> pollution and human health in China and India. Environment International, 2018, 121, 250-259.	4.8	111
27	Impacts of O <sub>3</sub> on premature mortality and crop yield loss across China. , 2018, 194, 41-41.		1
28	Committed CO <sub>2</sub> emissions of China's coal-fired power generators from 1993 to 2013. Energy Policy, 2017, 104, 295-302.	4.2	17
29	Characterization, quantification and management of China's municipal solid waste in spatiotemporal distributions: A review. Waste Management, 2017, 61, 67-77.	3.7	136
30	Trade-driven relocation of air pollution and health impacts in China. Nature Communications, 2017, 8, 738.	5.8	129
31	Global anthropogenic heat emissions from energy consumption, 1965–2100. Climatic Change, 2017, 145, 459-468.	1.7	12
32	Spatial and temporal trends in the mortality burden of air pollution in China: 2004–2012. Environment International, 2017, 98, 75-81.	4.8	239
33	Effects of atmospheric transport and trade on air pollution mortality in China. Atmospheric Chemistry and Physics, 2017, 17, 10367-10381.	1.9	64
34	Environment-economy tradeoff for Beijing–Tianjin–Hebei's exports. Applied Energy, 2016, 184, 926-935.	5.1	58
35	Long-term trend and spatial pattern of PM <sub>2.5</sub> induced premature mortality in China. Environment International, 2016, 97, 180-186.	4.8	133
36	Challenges faced by China compared with the US in developing wind power. Nature Energy, 2016, 1, .	19.8	153

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37	Greenhouse gas emission factors of purchased electricity from interconnected grids. <i>Applied Energy</i> , 2016, 184, 751-758.	5.1	51
38	Advantages of a city-scale emission inventory for urban air quality research and policy: the case of Nanjing, a typical industrial city in the Yangtze River Delta, China. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 12623-12644.	1.9	52
39	A dual strategy for controlling energy consumption and air pollution in China's metropolis of Beijing. <i>Energy</i> , 2015, 81, 294-303.	4.5	36
40	Characterization, quantification and management of household solid waste: A case study in China. <i>Resources, Conservation and Recycling</i> , 2015, 98, 67-75.	5.3	101
41	Understanding China's carbon dioxide emissions from both production and consumption perspectives. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 52, 189-200.	8.2	52
42	Greenhouse gases reduction strategies for eco-industrial parks in China. , 2015, , .		0
43	Mitigating greenhouse gas emissions from China's cities: Case study of Suzhou. <i>Energy Policy</i> , 2014, 68, 482-489.	4.2	50
44	Same dream, different beds: Can America and China take effective steps to solve the climate problem?. <i>Global Environmental Change</i> , 2014, 24, 2-4.	3.6	6
45	Impact on air quality of measures to reduce CO <sub>2</sub> emissions from road traffic in Basel, Rotterdam, Xi'an and Suzhou. <i>Atmospheric Environment</i> , 2014, 98, 434-441.	1.9	19
46	Household hazardous waste quantification, characterization and management in China's cities: A case study of Suzhou. <i>Waste Management</i> , 2014, 34, 2414-2423.	3.7	47
47	Temporal and spatial variations in consumption-based carbon dioxide emissions in China. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 40, 60-68.	8.2	68
48	Public willingness to pay for CO <sub>2</sub> mitigation and the determinants under climate change: A case study of Suzhou, China. <i>Journal of Environmental Management</i> , 2014, 146, 1-8.	3.8	45
49	Carbon reduction potentials of China's industrial parks: A case study of Suzhou Industry Park. <i>Energy</i> , 2013, 55, 668-675.	4.5	32
50	Drops of Energy: Conserving Urban Water to Reduce Greenhouse Gas Emissions. <i>Environmental Science &amp; Technology</i> , 2013, 47, 10753-10761.	4.6	79
51	Refined estimate of China's CO <sub>2</sub> emissions in spatiotemporal distributions. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 10873-10882.	1.9	42
52	Influencing Factors on Forest Biomass Carbon Storage in Eastern China – A Case Study of Jiangsu Province. <i>BioResources</i> , 2013, 9, .	0.5	1
53	The carbon emissions of Chinese cities. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 6197-6206.	1.9	101
54	Exposure of taxi drivers and office workers to traffic-related pollutants in Beijing: A note. <i>Transportation Research, Part D: Transport and Environment</i> , 2011, 16, 78-81.	3.2	13

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55	The benchmarks of carbon emissions and policy implications for China's cities: Case of Nanjing. Energy Policy, 2011, 39, 4785-4794.	4.2	135
56	CO2 and pollutant emissions from passenger cars in China. Energy Policy, 2011, 39, 3005-3011.	4.2	52
57	Trends in vehicular emissions in China's mega cities from 1995 to 2005. Environmental Pollution, 2010, 158, 394-400.	3.7	156
58	Developing a High-Resolution Vehicular Emission Inventory by Integrating an Emission Model and a Traffic Model: Part 1—Modeling Fuel Consumption and Emissions Based on Speed and Vehicle-Specific Power. Journal of the Air and Waste Management Association, 2010, 60, 1463-1470.	0.9	30
59	Developing a High-Resolution Vehicular Emission Inventory by Integrating an Emission Model and a Traffic Model: Part 2—A Case Study in Beijing. Journal of the Air and Waste Management Association, 2010, 60, 1471-1475.	0.9	16
60	Developing a high-resolution vehicular emission inventory by integrating an emission model and a traffic model: Part 1—Modeling fuel consumption and emissions based on speed and vehicle-specific power. Journal of the Air and Waste Management Association, 2010, 60, 1463-70.	0.9	0
61	Developing a high-resolution vehicular emission inventory by integrating an emission model and a traffic model: Part 2—A case study in Beijing. Journal of the Air and Waste Management Association, 2010, 60, 1471-5.	0.9	0
62	A bottom-up methodology to estimate vehicle emissions for the Beijing urban area. Science of the Total Environment, 2009, 407, 1947-1953.	3.9	64
63	On-road vehicle emission inventory and its uncertainty analysis for Shanghai, China. Science of the Total Environment, 2008, 398, 60-67.	3.9	172
64	Modelling of the fuel consumption for passenger cars regarding driving characteristics. Transportation Research, Part D: Transport and Environment, 2008, 13, 479-482.	3.2	107
65	On-road emission characteristics of heavy-duty diesel vehicles in Shanghai. Atmospheric Environment, 2007, 41, 5334-5344.	1.9	102