Haikun Wang

List of Publications by Year
in descending order

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65 papers	4,147 citations	117625 34 h-index	128289 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. Atmospheric Environment, 2022, 270, 118895.	4.1	5
2	Air quality and health co-benefits of Chinaâ€™s carbon dioxide emissions peaking before 2030. Nature Communications, 2022, 13, 1008.	12.8	95
3	Comparing Decoupling and Driving Forces of CO2 Emissions in China and India. Frontiers in Environmental Science, 2022, 10, .	3.3	5
4	Clusterâ€Enhanced Ensemble Learning for Mapping Global Monthly Surface Ozone From 2003 to 2019. Geophysical Research Letters, 2022, 49, .	4.0	10
5	Carbon footprint and embodied carbon transfer at city level: A nested MRIO analysis of Central Plain urban agglomeration in China. Sustainable Cities and Society, 2022, 83, 103977.	10.4	20
6	Potential Health Benefit of NO2 Abatement in China's Urban Areas: Inspirations for Source-specific Pollution Control Strategy. The Lancet Regional Health - Western Pacific, 2022, 24, 100482.	2.9	2
7	Enhanced secondary pollution offset reduction of primary emissions during COVID-19 lockdown in China. National Science Review, 2021, 8, nwaa137.	9.5	493
8	Low-carbon pathways for the booming express delivery sector in China. Nature Communications, 2021, 12, 450.	12.8	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. Atmospheric Chemistry and Physics, 2021, 21, 2917-2929.	4.9	16
10	Regional CO₂ fluxes from 2010 to 2015 inferred from GOSAT XCO₂ retrievals using a new version of the Global Carbon Assimilation System. Atmospheric Chemistry and Physics, 2021, 21, 1963-1985.	4.9	23
11	Global air quality change during the COVID-19 pandemic: Regionally different ozone pollution responses COVID-19. Atmospheric and Oceanic Science Letters, 2021, 14, 100015.	1.3	17
12	Modeling of the health impacts of ambient ozone pollution in China and India. Atmospheric Environment, 2021, 267, 118753.	4.1	7
13	Health benefits of on-road transportation pollution control programs in China. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 25370-25377.	7.1	57
14	NO_x Emission Changes Over China During the COVIDâ€19 Epidemic Inferred From Surface NO₂ Observations. Geophysical Research Letters, 2020, 47, e2020GL090080.	4.0	62
15	Province-level fossil fuel CO2 emission estimates for China based on seven inventories. Journal of Cleaner Production, 2020, 277, 123377.	9.3	19
16	Satellite-Observed Variations and Trends in Carbon Monoxide over Asia and Their Sensitivities to Biomass Burning. Remote Sensing, 2020, 12, 830.	4.0	26
17	Shale gas development in China: Implications for indoor and outdoor air quality and greenhouse gas emissions. Environment International, 2020, 141, 105727.	10.0	8
18	Air Pollutant Emissions Induced by Population Migration in China. Environmental Science & Technology, 2020, 54, 6308-6318.	10.0	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.	3.3	24
20	Evaluating China's fossil-fuel CO₂ emissions from a comprehensive dataset of nine inventories. Atmospheric Chemistry and Physics, 2020, 20, 11371-11385.	4.9	36
21	Chinaâ€™s CO2 peak before 2030 implied from characteristics and growth of cities. Nature Sustainability, 2019, 2, 748-754.	23.7	210
22	Health burdens of ambient PM2.5 pollution across Chinese cities during 2006â€“2015. Journal of Environmental Management, 2019, 243, 250-256.	7.8	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.	7.1	78
24	Quantifying regional consumption-based health impacts attributable to ambient air pollution in China. Environment International, 2018, 112, 100-106.	10.0	24
25	Impacts of O3 on premature mortality and crop yield loss across China. Atmospheric Environment, 2018, 194, 41-47.	4.1	97
26	The impact of power generation emissions on ambient PM2.5 pollution and human health in China and India. Environment International, 2018, 121, 250-259.	10.0	111
27	Impacts of O3 on premature mortality and crop yield loss across China. , 2018, 194, 41-41.		1
28	Committed CO 2 emissions of China's coal-fired power generators from 1993 to 2013. Energy Policy, 2017, 104, 295-302.	8.8	17
29	Characterization, quantification and management of Chinaâ€™s municipal solid waste in spatiotemporal distributions: A review. Waste Management, 2017, 61, 67-77.	7.4	136
30	Trade-driven relocation of air pollution and health impacts in China. Nature Communications, 2017, 8, 738.	12.8	129
31	Global anthropogenic heat emissions from energy consumption, 1965â€“2100. Climatic Change, 2017, 145, 459-468.	3.6	12
32	Spatial and temporal trends in the mortality burden of air pollution in China: 2004â€“2012. Environment International, 2017, 98, 75-81.	10.0	239
33	Effects of atmospheric transport and trade on air pollution mortality in China. Atmospheric Chemistry and Physics, 2017, 17, 10367-10381.	4.9	64
34	Environment-economy tradeoff for Beijingâ€“Tianjinâ€“Hebeiâ€™s exports. Applied Energy, 2016, 184, 926-935.	10.1	58
35	Long-term trend and spatial pattern of PM2.5 induced premature mortality in China. Environment International, 2016, 97, 180-186.	10.0	133
36	Challenges faced by China compared with the US in developing wind power. Nature Energy, 2016, 1, .	39.5	153

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37	Greenhouse gas emission factors of purchased electricity from interconnected grids. Applied Energy, 2016, 184, 751-758.	10.1	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. Atmospheric Chemistry and Physics, 2015, 15, 12623-12644.	4.9	52
39	A dual strategy for controlling energy consumption and air pollution in China's metropolis of Beijing. Energy, 2015, 81, 294-303.	8.8	36
40	Characterization, quantification and management of household solid waste: A case study in China. Resources, Conservation and Recycling, 2015, 98, 67-75.	10.8	101
41	Understanding China×³s carbon dioxide emissions from both production and consumption perspectives. Renewable and Sustainable Energy Reviews, 2015, 52, 189-200.	16.4	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. Energy Policy, 2014, 68, 482-489.	8.8	50
44	Same dream, different beds: Can America and China take effective steps to solve the climate problem?. Global Environmental Change, 2014, 24, 2-4.	7.8	6
45	Impact on air quality of measures to reduce CO2 emissions from road traffic in Basel, Rotterdam, Xi'an and Suzhou. Atmospheric Environment, 2014, 98, 434-441.	4.1	19
46	Household hazardous waste quantification, characterization and management in Chinaâ€™s cities: A case study of Suzhou. Waste Management, 2014, 34, 2414-2423.	7.4	47
47	Temporal and spatial variations in consumption-based carbon dioxide emissions in China. Renewable and Sustainable Energy Reviews, 2014, 40, 60-68.	16.4	68
48	Public willingness to pay for CO2 mitigation and the determinants under climate change: A case study of Suzhou, China. Journal of Environmental Management, 2014, 146, 1-8.	7.8	45
49	Carbon reduction potentials of China's industrial parks: A case study of Suzhou Industry Park. Energy, 2013, 55, 668-675.	8.8	32
50	Drops of Energy: Conserving Urban Water to Reduce Greenhouse Gas Emissions. Environmental Science & Technology, 2013, 47, 10753-10761.	10.0	79
51	Refined estimate of China's CO₂ emissions in spatiotemporal distributions. Atmospheric Chemistry and Physics, 2013, 13, 10873-10882.	4.9	42
52	Influencing Factors on Forest Biomass Carbon Storage in Eastern China â€“ A Case Study of Jiangsu Province. BioResources, 2013, 9, .	1.0	1
53	The carbon emissions of Chinese cities. Atmospheric Chemistry and Physics, 2012, 12, 6197-6206.	4.9	101
54	Exposure of taxi drivers and office workers to traffic-related pollutants in Beijing: A note. Transportation Research, Part D: Transport and Environment, 2011, 16, 78-81.	6.8	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.	8.8	135
56	CO2 and pollutant emissions from passenger cars in China. Energy Policy, 2011, 39, 3005-3011.	8.8	52
57	Trends in vehicular emissions in China's mega cities from 1995 to 2005. Environmental Pollution, 2010, 158, 394-400.	7.5	156
58	Developing a High-Resolution Vehicular Emission Inventory by Integrating an Emission Model and a Traffic Model: Part 1â€"Modeling Fuel Consumption and Emissions Based on Speed and Vehicle-Specific Power. Journal of the Air and Waste Management Association, 2010, 60, 1463-1470.	1.9	30
59	Developing a High-Resolution Vehicular Emission Inventory by Integrating an Emission Model and a Traffic Model: Part 2â€"A Case Study in Beijing. Journal of the Air and Waste Management Association, 2010, 60, 1471-1475.	1.9	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.	1.9	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.	1.9	0
62	A bottom-up methodology to estimate vehicle emissions for the Beijing urban area. Science of the Total Environment, 2009, 407, 1947-1953.	8.0	64
63	On-road vehicle emission inventory and its uncertainty analysis for Shanghai, China. Science of the Total Environment, 2008, 398, 60-67.	8.0	172
64	Modelling of the fuel consumption for passenger cars regarding driving characteristics. Transportation Research, Part D: Transport and Environment, 2008, 13, 479-482.	6.8	107
65	On-road emission characteristics of heavy-duty diesel vehicles in Shanghai. Atmospheric Environment, 2007, 41, 5334-5344.	4.1	102