

Haikun Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3624042/publications.pdf>

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	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
2	Spatial and temporal trends in the mortality burden of air pollution in China: 2004–2012. <i>Environment International</i> , 2017, 98, 75-81.	4.8	239
3	China's CO ₂ peak before 2030 implied from characteristics and growth of cities. <i>Nature Sustainability</i> , 2019, 2, 748-754.	11.5	210
4	On-road vehicle emission inventory and its uncertainty analysis for Shanghai, China. <i>Science of the Total Environment</i> , 2008, 398, 60-67.	3.9	172
5	Trends in vehicular emissions in China's mega cities from 1995 to 2005. <i>Environmental Pollution</i> , 2010, 158, 394-400.	3.7	156
6	Challenges faced by China compared with the US in developing wind power. <i>Nature Energy</i> , 2016, 1, .	19.8	153
7	Characterization, quantification and management of China's municipal solid waste in spatiotemporal distributions: A review. <i>Waste Management</i> , 2017, 61, 67-77.	3.7	136
8	The benchmarks of carbon emissions and policy implications for China's cities: Case of Nanjing. <i>Energy Policy</i> , 2011, 39, 4785-4794.	4.2	135
9	Long-term trend and spatial pattern of PM _{2.5} induced premature mortality in China. <i>Environment International</i> , 2016, 97, 180-186.	4.8	133
10	Trade-driven relocation of air pollution and health impacts in China. <i>Nature Communications</i> , 2017, 8, 738.	5.8	129
11	The impact of power generation emissions on ambient PM _{2.5} pollution and human health in China and India. <i>Environment International</i> , 2018, 121, 250-259.	4.8	111
12	Modelling of the fuel consumption for passenger cars regarding driving characteristics. <i>Transportation Research, Part D: Transport and Environment</i> , 2008, 13, 479-482.	3.2	107
13	On-road emission characteristics of heavy-duty diesel vehicles in Shanghai. <i>Atmospheric Environment</i> , 2007, 41, 5334-5344.	1.9	102
14	The carbon emissions of Chinese cities. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 6197-6206.	1.9	101
15	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
16	Impacts of O ₃ on premature mortality and crop yield loss across China. <i>Atmospheric Environment</i> , 2018, 194, 41-47.	1.9	97
17	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
18	Drops of Energy: Conserving Urban Water to Reduce Greenhouse Gas Emissions. <i>Environmental Science & Technology</i> , 2013, 47, 10753-10761.	4.6	79

#	ARTICLE	IF	CITATIONS
19	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
20	Temporal and spatial variations in consumption-based carbon dioxide emissions in China. Renewable and Sustainable Energy Reviews, 2014, 40, 60-68.	8.2	68
21	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
22	Effects of atmospheric transport and trade on air pollution mortality in China. Atmospheric Chemistry and Physics, 2017, 17, 10367-10381.	1.9	64
23	NO _x Emission Changes Over China During the COVID-19 Epidemic Inferred From Surface NO ₂ Observations. Geophysical Research Letters, 2020, 47, e2020GL090080.	1.5	62
24	Environment-economy tradeoff for Beijing-Tianjin-Hebei's exports. Applied Energy, 2016, 184, 926-935.	5.1	58
25	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.	3.3	57
26	CO ₂ and pollutant emissions from passenger cars in China. Energy Policy, 2011, 39, 3005-3011.	4.2	52
27	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.	1.9	52
28	Understanding China's carbon dioxide emissions from both production and consumption perspectives. Renewable and Sustainable Energy Reviews, 2015, 52, 189-200.	8.2	52
29	Greenhouse gas emission factors of purchased electricity from interconnected grids. Applied Energy, 2016, 184, 751-758.	5.1	51
30	Health burdens of ambient PM _{2.5} pollution across Chinese cities during 2006-2015. Journal of Environmental Management, 2019, 243, 250-256.	3.8	51
31	Mitigating greenhouse gas emissions from China's cities: Case study of Suzhou. Energy Policy, 2014, 68, 482-489.	4.2	50
32	Household hazardous waste quantification, characterization and management in China's cities: A case study of Suzhou. Waste Management, 2014, 34, 2414-2423.	3.7	47
33	Public willingness to pay for CO ₂ mitigation and the determinants under climate change: A case study of Suzhou, China. Journal of Environmental Management, 2014, 146, 1-8.	3.8	45
34	Refined estimate of China's CO ₂ emissions in spatiotemporal distributions. Atmospheric Chemistry and Physics, 2013, 13, 10873-10882.	1.9	42
35	Air Pollutant Emissions Induced by Population Migration in China. Environmental Science & Technology, 2020, 54, 6308-6318.	4.6	37
36	A dual strategy for controlling energy consumption and air pollution in China's metropolis of Beijing. Energy, 2015, 81, 294-303.	4.5	36

#	ARTICLE	IF	CITATIONS
37	Low-carbon pathways for the booming express delivery sector in China. <i>Nature Communications</i> , 2021, 12, 450.	5.8	36
38	Evaluating China's fossil-fuel CO ₂ emissions from a comprehensive dataset of nine inventories. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 11371-11385.	1.9	36
39	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
40	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. <i>Journal of the Air and Waste Management Association</i> , 2010, 60, 1463-1470.	0.9	30
41	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
42	Quantifying regional consumption-based health impacts attributable to ambient air pollution in China. <i>Environment International</i> , 2018, 112, 100-106.	4.8	24
43	CO Emissions Inferred From Surface CO Observations Over China in December 2013 and 2017. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031808.	1.2	24
44	Regional CO ₂ fluxes from 2010 to 2015 inferred from GOSAT XCO ₂ retrievals using a new version of the Global Carbon Assimilation System. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 1963-1985.	1.9	23
45	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
46	Impact on air quality of measures to reduce CO ₂ emissions from road traffic in Basel, Rotterdam, Xi'an and Suzhou. <i>Atmospheric Environment</i> , 2014, 98, 434-441.	1.9	19
47	Province-level fossil fuel CO ₂ emission estimates for China based on seven inventories. <i>Journal of Cleaner Production</i> , 2020, 277, 123377.	4.6	19
48	Committed CO ₂ emissions of China's coal-fired power generators from 1993 to 2013. <i>Energy Policy</i> , 2017, 104, 295-302.	4.2	17
49	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
50	Developing a High-Resolution Vehicular Emission Inventory by Integrating an Emission Model and a Traffic Model: Part 2—A Case Study in Beijing. <i>Journal of the Air and Waste Management Association</i> , 2010, 60, 1471-1475.	0.9	16
51	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
52	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
53	Global anthropogenic heat emissions from energy consumption, 1965–2100. <i>Climatic Change</i> , 2017, 145, 459-468.	1.7	12
54	Cluster-enhanced Ensemble Learning for Mapping Global Monthly Surface Ozone From 2003 to 2019. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	10

#	ARTICLE	IF	CITATIONS
55	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
56	Modeling of the health impacts of ambient ozone pollution in China and India. <i>Atmospheric Environment</i> , 2021, 267, 118753.	1.9	7
57	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
58	Population aging might have delayed the alleviation of China's PM2.5 health burden. <i>Atmospheric Environment</i> , 2022, 270, 118895.	1.9	5
59	Comparing Decoupling and Driving Forces of CO2 Emissions in China and India. <i>Frontiers in Environmental Science</i> , 2022, 10, .	1.5	5
60	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
61	Influencing Factors on Forest Biomass Carbon Storage in Eastern China – A Case Study of Jiangsu Province. <i>BioResources</i> , 2013, 9, .	0.5	1
62	Impacts of O3 on premature mortality and crop yield loss across China. , 2018, 194, 41-41.		1
63	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. <i>Journal of the Air and Waste Management Association</i> , 2010, 60, 1463-70.	0.9	0
64	Developing a high-resolution vehicular emission inventory by integrating an emission model and a traffic model: Part 2–A case study in Beijing. <i>Journal of the Air and Waste Management Association</i> , 2010, 60, 1471-5.	0.9	0
65	Greenhouse gases reduction strategies for eco-industrial parks in China. , 2015, , .		0