

Kai Chen

List of Publications by Year in descending order

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62
papers

2,259
citations

218381

26
h-index

223531

46
g-index

65
all docs

65
docs citations

65
times ranked

3082
citing authors

#	ARTICLE	IF	CITATIONS
1	Air pollution reduction and mortality benefit during the COVID-19 outbreak in China. <i>Lancet Planetary Health, The</i> , 2020, 4, e210-e212.	5.1	312
2	Two-way effect modifications of air pollution and air temperature on total natural and cardiovascular mortality in eight European urban areas. <i>Environment International</i> , 2018, 116, 186-196.	4.8	145
3	Influence of heat wave definitions to the added effect of heat waves on daily mortality in Nanjing, China. <i>Science of the Total Environment</i> , 2015, 506-507, 18-25.	3.9	131
4	Acute effects of air pollution on influenza-like illness in Nanjing, China: A population-based study. <i>Chemosphere</i> , 2016, 147, 180-187.	4.2	103
5	Role of meteorological factors in the transmission of SARS-CoV-2 in the United States. <i>Nature Communications</i> , 2021, 12, 3602.	5.8	97
6	Temporal variations in the triggering of myocardial infarction by air temperature in Augsburg, Germany, 1987–2014. <i>European Heart Journal</i> , 2019, 40, 1600-1608.	1.0	89
7	Urbanization Level and Vulnerability to Heat-Related Mortality in Jiangsu Province, China. <i>Environmental Health Perspectives</i> , 2016, 124, 1863-1869.	2.8	81
8	Impact of climate change on heat-related mortality in Jiangsu Province, China. <i>Environmental Pollution</i> , 2017, 224, 317-325.	3.7	73
9	Ecological Risk Assessment of Heavy Metals in Surface Sediments of Six Major Chinese Freshwater Lakes. <i>Journal of Environmental Quality</i> , 2013, 42, 341-350.	1.0	70
10	Heavy metals in soils and road dusts in the mining areas of Western Suzhou, China: a preliminary identification of contaminated sites. <i>Journal of Soils and Sediments</i> , 2016, 16, 204-214.	1.5	68
11	Association of soil cadmium contamination with ceramic industry: A case study in a Chinese town. <i>Science of the Total Environment</i> , 2015, 514, 26-32.	3.9	67
12	Effect of Lead Pollution Control on Environmental and Childhood Blood Lead Level in Nantong, China: An Interventional Study. <i>Environmental Science & Technology</i> , 2014, 48, 12930-12936.	4.6	64
13	Population ageing and deaths attributable to ambient PM _{2.5} pollution: a global analysis of economic cost. <i>Lancet Planetary Health, The</i> , 2021, 5, e356-e367.	5.1	63
14	Association of soil arsenic and nickel exposure with cancer mortality rates, a town-scale ecological study in Suzhou, China. <i>Environmental Science and Pollution Research</i> , 2015, 22, 5395-5404.	2.7	54
15	Acute effect of ozone exposure on daily mortality in seven cities of Jiangsu Province, China: No clear evidence for threshold. <i>Environmental Research</i> , 2017, 155, 235-241.	3.7	54
16	Future ozone-related acute excess mortality under climate and population change scenarios in China: A modeling study. <i>PLoS Medicine</i> , 2018, 15, e1002598.	3.9	54
17	The impact of ambient particulate matter on hospital outpatient visits for respiratory and circulatory system disease in an urban Chinese population. <i>Science of the Total Environment</i> , 2019, 666, 672-679.	3.9	50
18	Potential Cardiovascular and Total Mortality Benefits of Air Pollution Control in Urban China. <i>Circulation</i> , 2017, 136, 1575-1584.	1.6	48

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19	Burden of cause-specific mortality attributable to heat and cold: A multicity time-series study in Jiangsu Province, China. <i>Environment International</i> , 2020, 144, 105994.	4.8	47
20	Hourly Exposure to Ultrafine Particle Metrics and the Onset of Myocardial Infarction in Augsburg, Germany. <i>Environmental Health Perspectives</i> , 2020, 128, 17003.	2.8	47
21	Projections of Ambient Temperature- and Air Pollution-Related Mortality Burden Under Combined Climate Change and Population Aging Scenarios: a Review. <i>Current Environmental Health Reports</i> , 2020, 7, 243-255.	3.2	43
22	Childhood Lead Exposure in an Industrial Town in China: Coupling Stable Isotope Ratios with Bioaccessible Lead. <i>Environmental Science & Technology</i> , 2015, 49, 5080-5087.	4.6	40
23	Ambient carbon monoxide and daily mortality: a global time-series study in 337 cities. <i>Lancet Planetary Health</i> , The, 2021, 5, e191-e199.	5.1	35
24	Association between extreme temperatures and emergency room visits related to mental disorders: A multi-region time-series study in New York, USA. <i>Science of the Total Environment</i> , 2021, 792, 148246.	3.9	35
25	Heat and mortality for ischemic and hemorrhagic stroke in 12 cities of Jiangsu Province, China. <i>Science of the Total Environment</i> , 2017, 601-602, 271-277.	3.9	33
26	Spatial analysis of the effect of the 2010 heat wave on stroke mortality in Nanjing, China. <i>Scientific Reports</i> , 2015, 5, 10816.	1.6	31
27	Health Burden and economic impacts attributed to PM _{2.5} and O ₃ in china from 2010 to 2050 under different representative concentration pathway scenarios. <i>Resources, Conservation and Recycling</i> , 2021, 173, 105731.	5.3	28
28	Influence of temperature to the short-term effects of various ozone metrics on daily mortality in Suzhou, China. <i>Atmospheric Environment</i> , 2013, 79, 119-128.	1.9	26
29	Particulate matter pollution and hospital outpatient visits for endocrine, digestive, urological, and dermatological diseases in Nanjing, China. <i>Environmental Pollution</i> , 2020, 261, 114205.	3.7	24
30	Long-term ozone exposure and cognitive impairment among Chinese older adults: A cohort study. <i>Environment International</i> , 2022, 160, 107072.	4.8	24
31	Effect of extreme temperatures on daily emergency room visits for mental disorders. <i>Environmental Science and Pollution Research</i> , 2021, 28, 39243-39256.	2.7	20
32	Geospatial characteristics of measles transmission in China during 2005~2014. <i>PLoS Computational Biology</i> , 2017, 13, e1005474.	1.5	17
33	Projection of Temperature-Related Myocardial Infarction in Augsburg, Germany. <i>Deutsches A&#x0308;rzteblatt International</i> , 2019, 116, 521-527.	0.6	17
34	Risk perception of heat waves and its spatial variation in Nanjing, China. <i>International Journal of Biometeorology</i> , 2018, 62, 783-794.	1.3	16
35	Impact of climate and population change on temperature-related mortality burden in Bavaria, Germany. <i>Environmental Research Letters</i> , 2019, 14, 124080.	2.2	14
36	Was it better or worse? Simulating the environmental and health impacts of emissions trading scheme in Hubei province, China. <i>Energy</i> , 2021, 217, 119427.	4.5	13

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37	Associations between long-term drought and diarrhea among children under five in low- and middle-income countries. <i>Nature Communications</i> , 2022, 13, .	5.8	13
38	The comparison analysis of Chinese public perception of earthquakes on different time scales. <i>Natural Hazards</i> , 2014, 73, 613-625.	1.6	11
39	Does temperature-confounding control influence the modifying effect of air temperature in ozoneâ€“mortality associations?. <i>Environmental Epidemiology</i> , 2018, 2, e008.	1.4	11
40	Particulate matter pollution and risk of outpatient visits for psychological diseases in Nanjing, China. <i>Environmental Research</i> , 2021, 193, 110601.	3.7	10
41	Risk Conundrums. , 0, , .		9
42	Exposure and perception of PM2.5 pollution on the mental stress of pregnant women. <i>Environment International</i> , 2021, 156, 106686.	4.8	8
43	Associations between short-term ambient ozone exposure and cause-specific mortality in rural and urban areas of Jiangsu, China. <i>Environmental Research</i> , 2022, 211, 113098.	3.7	8
44	Projection of Temperature-Related Excess Mortality by Integrating Population Adaptability Under Changing Climate â€” China, 2050s and 2080s. <i>China CDC Weekly</i> , 2021, 3, 697-701.	1.0	7
45	Short-term associations between particulate matter air pollution and hospital admissions through the emergency room for urinary system disease in Beijing, China: A time-series study. <i>Environmental Pollution</i> , 2021, 289, 117858.	3.7	7
46	Predicting spatiotemporally-resolved mean air temperature over Sweden from satellite data using an ensemble model. <i>Environmental Research</i> , 2022, 204, 111960.	3.7	7
47	Short-term effects of cold spells on plasma viscosity: Results from the KORA cohort study in Augsburg, Germany. <i>Environmental Pollution</i> , 2022, 302, 119071.	3.7	7
48	Climate change and health in Kuwait: temperature and mortality projections under different climatic scenarios. <i>Environmental Research Letters</i> , 2022, 17, 074001.	2.2	6
49	Solid fuels use for cooking and sleep health in adults aged 45ÂŹyears and older in China. <i>Scientific Reports</i> , 2021, 11, 13304.	1.6	5
50	Burden of myocardial infarctions attributable to heat and cold. <i>European Heart Journal</i> , 2019, 40, 3440-3441.	1.0	4
51	Reduction in air pollution and attributable mortality due to COVID-19 lockdown â€” Authors' reply. <i>Lancet Planetary Health</i> , The, 2020, 4, e269.	5.1	4
52	Short-term exposure to air pollution and mental disorders: a case-crossover study in New York City. , 2023, 1, 015001.		3
53	Role of meteorological factors in the transmission of SARS-CoV-2 in the United States. <i>ISEE Conference Abstracts</i> , 2021, 2021, .	0.0	2
54	Living in a highly polluted and warmer environment: Challenges for cardiovascular prevention. <i>European Journal of Preventive Cardiology</i> , 2020, 27, 511-512.	0.8	1

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55	Temperature, precipitation, ozone pollution, and daily fatal unintentional injuries in Jiangsu Province, China during 2015â€“2017. Injury Epidemiology, 2020, 7, 42.	0.8	1
56	Predicting spatiotemporally-resolved air temperature over Sweden from satellite data using an ensemble model. ISEE Conference Abstracts, 2021, 2021, .	0.0	1
57	Towards Disentangling Lockdown-Driven Air Quality Changes in the Northeastern U.S.. Journal of Extreme Events, 0, , 2150017.	1.2	1
58	OP VII â€“ 2â€“...Does temperature confounding control influence the modifying effect of air temperature in ozone-mortality associations?. , 2018, , .		0
59	Long-term Ozone Exposure and Cognitive Impairment among Chinese Older Adults: Analysis of the Chinese Longitudinal Healthy Longevity Survey. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
60	Associations between short-term ambient ozone exposure and cause-specific mortality in the rural and urban areas of Jiangsu, China. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
61	Associations Between Drought and Childhood Diarrhea in Low- and Middle-Income Countries. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
62	P II â€“ 1â€“8â€“...Development of land-use regression models for air temperature and relative humidity in augsburg, germany. , 2018, , .		0