

Yixuan Zheng

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

59
papers

3,769
citations

28
h-index

61
g-index

64
ext. papers

5,593
ext. citations

9.1
avg, IF

5.63
L-index

#	Paper	IF	Citations
59	Trends in China's anthropogenic emissions since 2010 as the consequence of clean air actions. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 14095-14111	6.8	865
58	Drivers of improved PM air quality in China from 2013 to 2017. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 24463-24469	11.5	578
57	Committed emissions from existing energy infrastructure jeopardize 1.5 °C climate target. <i>Nature</i> , 2019 , 572, 373-377	50.4	248
56	Dominant role of emission reduction in PM _{2.5} air quality improvement in Beijing during 2013-2017: a model-based decomposition analysis. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 6125-6146	6.8	183
55	Recent reduction in NO _x emissions over China: synthesis of satellite observations and emission inventories. <i>Environmental Research Letters</i> , 2016 , 11, 114002	6.2	161
54	Air quality improvements and health benefits from China's clean air action since 2013. <i>Environmental Research Letters</i> , 2017 , 12, 114020	6.2	156
53	Spatiotemporal continuous estimates of PM concentrations in China, 2000-2016: A machine learning method with inputs from satellites, chemical transport model, and ground observations. <i>Environment International</i> , 2019 , 123, 345-357	12.9	129
52	Estimating ground-level PM _{2.5} concentrations over three megalopolises in China using satellite-derived aerosol optical depth measurements. <i>Atmospheric Environment</i> , 2016 , 124, 232-242	5.3	128
51	Impacts of climate change on future air quality and human health in China. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 17193-17200	11.5	96
50	Nitrate-driven urban haze pollution during summertime over the North China Plain. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 5293-5306	6.8	94
49	Current Emissions and Future Mitigation Pathways of Coal-Fired Power Plants in China from 2010 to 2030. <i>Environmental Science & Technology</i> , 2018 , 52, 12905-12914	10.3	74
48	Rapid improvement of PM _{2.5} pollution and associated health benefits in China during 2013-2017. <i>Science China Earth Sciences</i> , 2019 , 62, 1847-1856	4.6	71
47	Characteristics of the secondary water-soluble ions in a typical autumn haze in Beijing. <i>Environmental Pollution</i> , 2017 , 227, 296-305	9.3	69
46	Declines in mental health associated with air pollution and temperature variability in China. <i>Nature Communications</i> , 2019 , 10, 2165	17.4	62
45	Chemical composition of ambient PM _{2.5} over China and relationship to precursor emissions during 2005-2012. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 9187-9203	6.8	58
44	Impact of China's Air Pollution Prevention and Control Action Plan on PM _{2.5} chemical composition over eastern China. <i>Science China Earth Sciences</i> , 2019 , 62, 1872-1884	4.6	55
43	Underreported coal in statistics: A survey-based solid fuel consumption and emission inventory for the rural residential sector in China. <i>Applied Energy</i> , 2019 , 235, 1169-1182	10.7	50

42	Fusing Observational, Satellite Remote Sensing and Air Quality Model Simulated Data to Estimate Spatiotemporal Variations of PM _{2.5} Exposure in China. <i>Remote Sensing</i> , 2017 , 9, 221	5	49
41	Development of PM and NO models in a LUR framework incorporating satellite remote sensing and air quality model data in Pearl River Delta region, China. <i>Environmental Pollution</i> , 2017 , 226, 143-153	9.3	48
40	To what extent can China's near-term air pollution control policy protect air quality and human health? A case study of the Pearl River Delta region. <i>Environmental Research Letters</i> , 2015 , 10, 104006	6.2	46
39	Air quality and health benefits of China's emission control policies on coal-fired power plants during 2005-2020. <i>Environmental Research Letters</i> , 2019 , 14, 094016	6.2	43
38	Dynamic projection of anthropogenic emissions in China: methodology and 2015-2050 emission pathways under a range of socio-economic, climate policy, and pollution control scenarios. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 5729-5757	6.8	38
37	Attribution of PM _{2.5} exposure in Beijing-Tianjin-Hebei region to emissions: implication to control strategies. <i>Science Bulletin</i> , 2017 , 62, 957-964	10.6	37
36	Enhancement of PM _{2.5} Concentrations by Aerosol-Meteorology Interactions Over China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 1179-1194	4.4	35
35	Air quality benefits of achieving carbon neutrality in China. <i>Science of the Total Environment</i> , 2021 , 795, 148784	10.2	34
34	The Lancet Countdown on PM pollution-related health impacts of China's projected carbon dioxide mitigation in the electric power generation sector under the Paris Agreement: a modelling study. <i>Lancet Planetary Health</i> , 2018 , 2, e151-e161	9.8	33
33	Spatiotemporal variability of NO _x and PM _{2.5} over Eastern China: observational and model analyses with a novel statistical method. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 12933-12952	6.8	32
32	Drivers of PM _{2.5} air pollution deaths in China 2002-2017. <i>Nature Geoscience</i> , 2021 , 14, 645-650	18.3	30
31	Change in the number of PM-attributed deaths in China from 2000 to 2010: Comparison between estimations from census-based epidemiology and pre-established exposure-response functions. <i>Environment International</i> , 2019 , 129, 430-437	12.9	26
30	Tracking Air Pollution in China: Near Real-Time PM Retrievals from Multisource Data Fusion. <i>Environmental Science & Technology</i> , 2021 , 55, 12106-12115	10.3	26
29	Energy and emission pathways towards PM air quality attainment in the Beijing-Tianjin-Hebei region by 2030. <i>Science of the Total Environment</i> , 2019 , 692, 361-370	10.2	23
28	Estimating Spatiotemporal Variation in Ambient Ozone Exposure during 2013-2017 Using a Data-Fusion Model. <i>Environmental Science & Technology</i> , 2020 , 54, 14877-14888	10.3	23
27	Decadal changes in anthropogenic source contribution of PM _{2.5} pollution and related health impacts in China, 1990-2015. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 7783-7799	6.8	20
26	Separating emission and meteorological contributions to long-term PM _{2.5} trends over eastern China during 2000-2018. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 9475-9496	6.8	20
25	Carbon and air pollutant emissions from China's cement industry 1990-2015: trends, evolution of technologies, and drivers. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 1627-1647	6.8	16

24	Differential Susceptibility in Ambient Particle-Related Risk of First-Ever Stroke: Findings From a National Case-Crossover Study. <i>American Journal of Epidemiology</i> , 2018 , 187, 1001-1009	3.8	15
23	Reduction in black carbon light absorption due to multi-pollutant emission control during APEC China 2014. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 10275-10287	6.8	14
22	Modeling the aging process of black carbon during atmospheric transport using a new approach: a case study in Beijing. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 9663-9680	6.8	10
21	Impacts of meteorology and emission variations on the heavy air pollution episode in North China around the 2020 Spring Festival. <i>Science China Earth Sciences</i> , 2021 , 64, 1-11	4.6	9
20	Long-term PM exposure and depressive symptoms in China: A quasi-experimental study. <i>The Lancet Regional Health - Western Pacific</i> , 2021 , 6, 100079	5	9
19	Climate effects of aerosols reduce economic inequality. <i>Nature Climate Change</i> , 2020 , 10, 220-224	21.4	8
18	A national case-crossover study on ambient ozone pollution and first-ever stroke among Chinese adults: Interpreting a weak association via differential susceptibility. <i>Science of the Total Environment</i> , 2019 , 654, 135-143	10.2	7
17	Trends in China's anthropogenic emissions since 2010 as the consequence of clean air actions 2018 ,		6
16	Climate effects of China's efforts to improve its air quality. <i>Environmental Research Letters</i> , 2020 , 15, 104052	6.2	5
15	Clean air actions in China, PM _{2.5} exposure, and household medical expenditures: A quasi-experimental study. <i>PLoS Medicine</i> , 2021 , 18, e1003480	11.6	4
14	Geographic variations in the blood pressure responses to short-term fine particulate matter exposure in China. <i>Science of the Total Environment</i> , 2020 , 722, 137842	10.2	3
13	Diurnal regulation of VOCs may not be effective in controlling ozone pollution in China. <i>Atmospheric Environment</i> , 2021 , 256, 118442	5.3	3
12	Reduced-complexity air quality intervention modeling over China: the development of InMAPv1.6.1-China and a comparison with CMAQv5.2. <i>Geoscientific Model Development</i> , 2021 , 14, 7621-7638	6.3	2
11	How protective is China's National Ambient Air Quality Standards on short-term PM _{2.5} ? Findings from blood pressure measurements of 1 million adults. <i>Environmental Research Letters</i> , 2020 , 15, 125014	6.2	2
10	A component-specific exposure-mortality model for ambient PM in China: findings from nationwide epidemiology based on outputs from a chemical transport model. <i>Faraday Discussions</i> , 2021 , 226, 551-568	3.6	2
9	Association between a Rapid Reduction in Air Particle Pollution and Improved Lung Function in Adults. <i>Annals of the American Thoracic Society</i> , 2021 , 18, 247-256	4.7	2
8	Dynamic projection of anthropogenic emissions in China: methodology and 2015-2050 emission pathways under a range of socioeconomic, climate policy, and pollution control scenarios 2020 ,		1
7	Decadal changes in anthropogenic source contribution of PM _{2.5} pollution and related health impacts in China, 1990-2015 2019 ,		1

6	Consumption-based PM-related premature mortality in the Beijing-Tianjin-Hebei region. <i>Science of the Total Environment</i> , 2021 , 800, 149575	10.2	1
5	Incorporating VOC Emission Control in China's Hazardous Waste Regulatory System. <i>Environmental Science & Technology</i> , 2021 , 55, 15569-15571	10.3	0
4	Quantifying the contribution of temperature anomaly to stroke risk in China. <i>Environmental Research Letters</i> , 2020 , 15, 105014	6.2	0
3	New WHO global air quality guidelines help prevent premature deaths in China.. <i>National Science Review</i> , 2022 , 9, nwac055	10.8	0
2	A systematic assessment of city-level climate change mitigation and air quality improvement in China. <i>Science of the Total Environment</i> , 2022 , 839, 156274	10.2	0
1	Association of PM2.5 Reduction with Improved Kidney Function: A Nationwide Quasiexperiment among Chinese Adults. <i>Health Data Science</i> , 2022 , 2022, 1-9		