

Hongliang Zhang

List of Publications by Year in descending order

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144
papers

13,424
citations

41258

49
h-index

23472

111
g-index

191
all docs

191
docs citations

191
times ranked

11948
citing authors

#	ARTICLE	IF	CITATIONS
1	Bounding the role of black carbon in the climate system: A scientific assessment. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 5380-5552.	1.2	4,319
2	Effect of restricted emissions during COVID-19 on air quality in India. <i>Science of the Total Environment</i> , 2020, 728, 138878.	3.9	798
3	Severe air pollution events not avoided by reduced anthropogenic activities during COVID-19 outbreak. <i>Resources, Conservation and Recycling</i> , 2020, 158, 104814.	5.3	532
4	Spatial and temporal variations of six criteria air pollutants in 31 provincial capital cities in China during 2013–2014. <i>Environment International</i> , 2014, 73, 413-422.	4.8	463
5	Relationships between meteorological parameters and criteria air pollutants in three megacities in China. <i>Environmental Research</i> , 2015, 140, 242-254.	3.7	385
6	Spatial and temporal variability of PM _{2.5} and PM ₁₀ over the North China Plain and the Yangtze River Delta, China. <i>Atmospheric Environment</i> , 2014, 95, 598-609.	1.9	375
7	Epoxide as a precursor to secondary organic aerosol formation from isoprene photooxidation in the presence of nitrogen oxides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 6718-6723.	3.3	266
8	One-year simulation of ozone and particulate matter in China using WRF/CMAQ modeling system. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 10333-10350.	1.9	258
9	Effect of relative humidity on SOA formation from isoprene/NO photooxidation: enhancement of 2-methylglyceric acid and its corresponding oligoesters under dry conditions. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 6411-6424.	1.9	201
10	Source apportionment of PM _{2.5} nitrate and sulfate in China using a source-oriented chemical transport model. <i>Atmospheric Environment</i> , 2012, 62, 228-242.	1.9	192
11	Wintertime aerosol chemistry and haze evolution in an extremely polluted city of the North China Plain: significant contribution from coal and biomass combustion. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 4751-4768.	1.9	172
12	Responses of PM _{2.5} and O ₃ concentrations to changes of meteorology and emissions in China. <i>Science of the Total Environment</i> , 2019, 662, 297-306.	3.9	167
13	Characterizing multi-pollutant air pollution in China: Comparison of three air quality indices. <i>Environment International</i> , 2015, 84, 17-25.	4.8	160
14	Sources of particulate matter in China: Insights from source apportionment studies published in 1987–2017. <i>Environment International</i> , 2018, 115, 343-357.	4.8	158
15	Premature Mortality Attributable to Particulate Matter in China: Source Contributions and Responses to Reductions. <i>Environmental Science & Technology</i> , 2017, 51, 9950-9959.	4.6	152
16	Source contributions and regional transport of primary particulate matter in China. <i>Environmental Pollution</i> , 2015, 207, 31-42.	3.7	142
17	Modeling biogenic and anthropogenic secondary organic aerosol in China. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 77-92.	1.9	137
18	Impact of the Loess Plateau on the atmospheric boundary layer structure and air quality in the North China Plain: A case study. <i>Science of the Total Environment</i> , 2014, 499, 228-237.	3.9	136

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19	Local and inter-regional contributions to PM _{2.5} nitrate and sulfate in China. Atmospheric Environment, 2014, 94, 582-592.	1.9	136
20	Coordinated control of PM _{2.5} and O ₃ is urgently needed in China after implementation of the "Air pollution prevention and control action plan". Chemosphere, 2021, 270, 129441.	4.2	121
21	Source apportionment of PM _{2.5} in North India using source-oriented air quality models. Environmental Pollution, 2017, 231, 426-436.	3.7	120
22	The impact of power generation emissions on ambient PM _{2.5} pollution and human health in China and India. Environment International, 2018, 121, 250-259.	4.8	111
23	Year-long simulation of gaseous and particulate air pollutants in India. Atmospheric Environment, 2018, 180, 244-255.	1.9	89
24	Source apportionment of fine particulate matter in China in 2013 using a source-oriented chemical transport model. Science of the Total Environment, 2017, 601-602, 1476-1487.	3.9	86
25	Characterization of criteria air pollutants in Beijing during 2014-2015. Environmental Research, 2017, 154, 334-344.	3.7	80
26	Ozone pollution over China and India: seasonality and sources. Atmospheric Chemistry and Physics, 2020, 20, 4399-4414.	1.9	79
27	Source apportionment of PM _{2.5} for 25 Chinese provincial capitals and municipalities using a source-oriented Community Multiscale Air Quality model. Science of the Total Environment, 2018, 612, 462-471.	3.9	78
28	Primary biogenic and anthropogenic sources of organic aerosols in Beijing, China: Insights from saccharides and n-alkanes. Environmental Pollution, 2018, 243, 1579-1587.	3.7	78
29	Attribution of Tropospheric Ozone to NO _x and VOC Emissions: Considering Ozone Formation in the Transition Regime. Environmental Science & Technology, 2019, 53, 1404-1412.	4.6	77
30	Source contributions to primary and secondary inorganic particulate matter during a severe wintertime PM _{2.5} pollution episode in Xi'an, China. Atmospheric Environment, 2014, 97, 182-194.	1.9	76
31	Source apportionment of PM _{2.5} at the Lin'an regional background site in China with three receptor models. Atmospheric Research, 2018, 202, 23-32.	1.8	74
32	Abundant NH ₃ in China Enhances Atmospheric HONO Production by Promoting the Heterogeneous Reaction of SO ₂ with NO ₂ . Environmental Science & Technology, 2019, 53, 14339-14347.	4.6	73
33	Identifying PM _{2.5} and PM _{0.1} Sources for Epidemiological Studies in California. Environmental Science & Technology, 2014, 48, 4980-4990.	4.6	72
34	Source apportionment of sulfate and nitrate particulate matter in the Eastern United States and effectiveness of emission control programs. Science of the Total Environment, 2014, 490, 171-181.	3.9	67
35	Ensemble prediction of air quality using the WRF/CMAQ model system for health effect studies in China. Atmospheric Chemistry and Physics, 2017, 17, 13103-13118.	1.9	64
36	Characterization and source identification of fine particulate matter in urban Beijing during the 2015 Spring Festival. Science of the Total Environment, 2018, 628-629, 430-440.	3.9	62

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37	Source apportionment of summertime ozone in China using a source-oriented chemical transport model. <i>Atmospheric Environment</i> , 2019, 211, 79-90.	1.9	60
38	Secondary organic aerosol formation and source apportionment in Southeast Texas. <i>Atmospheric Environment</i> , 2011, 45, 3217-3227.	1.9	59
39	Evaluation of a seven-year air quality simulation using the Weather Research and Forecasting (WRF)/Community Multiscale Air Quality (CMAQ) models in the eastern United States. <i>Science of the Total Environment</i> , 2014, 473-474, 275-285.	3.9	58
40	Current and future emissions of primary pollutants from coal-fired power plants in Shaanxi, China. <i>Science of the Total Environment</i> , 2017, 595, 505-514.	3.9	58
41	Source apportionment of secondary organic aerosol in China using a regional source-oriented chemical transport model and two emission inventories. <i>Environmental Pollution</i> , 2018, 237, 756-766.	3.7	57
42	Geochemical Stability of Dissolved Mn(III) in the Presence of Pyrophosphate as a Model Ligand: Complexation and Disproportionation. <i>Environmental Science & Technology</i> , 2019, 53, 5768-5777.	4.6	57
43	Predicting Primary PM _{2.5} and PM _{0.1} Trace Composition for Epidemiological Studies in California. <i>Environmental Science & Technology</i> , 2014, 48, 4971-4979.	4.6	56
44	Development of a source oriented version of the WRF/Chem model and its application to the California regional PM ₁₀ / PM _{2.5} air quality study. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 485-503.	1.9	54
45	Characterization of black carbon in an urban-rural fringe area of Beijing. <i>Environmental Pollution</i> , 2017, 223, 524-534.	3.7	54
46	Characterization of biogenic primary and secondary organic aerosols in the marine atmosphere over the East China Sea. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 13947-13967.	1.9	54
47	Evaluation of on-road vehicle CO and NO _x National Emission Inventories using an urban-scale source-oriented air quality model. <i>Atmospheric Environment</i> , 2014, 85, 99-108.	1.9	53
48	China's clean power transition: Current status and future prospect. <i>Resources, Conservation and Recycling</i> , 2017, 121, 3-10.	5.3	53
49	Contributions of local and regional sources of NO _x to ozone concentrations in Southeast Texas. <i>Atmospheric Environment</i> , 2011, 45, 2877-2887.	1.9	52
50	Long-term particulate matter modeling for health effect studies in California – Part 1: Model performance on temporal and spatial variations. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 3445-3461.	1.9	52
51	Impacts of power generation on air quality in China – part I: An overview. <i>Resources, Conservation and Recycling</i> , 2017, 121, 103-114.	5.3	51
52	Source contributions and potential reductions to health effects of particulate matter in India. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 15219-15229.	1.9	51
53	Associations between daily outpatient visits for respiratory diseases and ambient fine particulate matter and ozone levels in Shanghai, China. <i>Environmental Pollution</i> , 2018, 240, 754-763.	3.7	51
54	Impacts of Stabilized Criegee Intermediates, surface uptake processes and higher aromatic secondary organic aerosol yields on predicted PM _{2.5} concentrations in the Mexico City Metropolitan Zone. <i>Atmospheric Environment</i> , 2014, 94, 438-447.	1.9	50

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55	Investigating the PM _{2.5} mass concentration growth processes during 2013–2016 in Beijing and Shanghai. <i>Chemosphere</i> , 2019, 221, 452-463.	4.2	50
56	Responses of decline in air pollution and recovery associated with COVID-19 lockdown in the Pearl River Delta. <i>Science of the Total Environment</i> , 2021, 756, 143868.	3.9	49
57	On the Relevancy of Observed Ozone Increase during COVID-19 Lockdown to Summertime Ozone and PM _{2.5} Control Policies in China. <i>Environmental Science and Technology Letters</i> , 2021, 8, 289-294.	3.9	49
58	Sensitivity analysis of the surface ozone and fine particulate matter to meteorological parameters in China. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 13455-13466.	1.9	49
59	Local and regional contributions to fine particulate matter in the 18 cities of Sichuan Basin, southwestern China. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 5791-5803.	1.9	47
60	Sources and health risks of ambient polycyclic aromatic hydrocarbons in China. <i>Science of the Total Environment</i> , 2020, 698, 134229.	3.9	45
61	Enhanced atmospheric oxidation capacity and associated ozone increases during COVID-19 lockdown in the Yangtze River Delta. <i>Science of the Total Environment</i> , 2021, 768, 144796.	3.9	43
62	Contributions of local and regional sources to PM _{2.5} and its health effects in north India. <i>Atmospheric Environment</i> , 2019, 214, 116867.	1.9	42
63	Estimating ground level PM _{2.5} concentrations and associated health risk in India using satellite based AOD and WRF predicted meteorological parameters. <i>Chemosphere</i> , 2020, 255, 126969.	4.2	42
64	Modeling dry and wet deposition of sulfate, nitrate, and ammonium ions in Jiuzhaigou National Nature Reserve, China using a source-oriented CMAQ model: Part I. Base case model results. <i>Science of the Total Environment</i> , 2015, 532, 831-839.	3.9	40
65	Associations of daily mortality with short-term exposure to PM _{2.5} and its constituents in Shanghai, China. <i>Chemosphere</i> , 2019, 233, 879-887.	4.2	40
66	Fine Particulate Matter and Ozone Pollution in the 18 Cities of the Sichuan Basin in Southwestern China: Model Performance and Characteristics. <i>Aerosol and Air Quality Research</i> , 2019, 19, 2308-2319.	0.9	39
67	Climate-driven trends of biogenic volatile organic compound emissions and their impacts on summertime ozone and secondary organic aerosol in China in the 2050s. <i>Atmospheric Environment</i> , 2019, 218, 117020.	1.9	38
68	Simulation of summer ozone and its sensitivity to emission changes in China. <i>Atmospheric Pollution Research</i> , 2019, 10, 1543-1552.	1.8	38
69	Characterization and health risks of criteria air pollutants in Delhi, 2017. <i>Chemosphere</i> , 2019, 225, 27-34.	4.2	38
70	Implementation of a high-resolution Source-Oriented WRF/Chem model at the Port of Oakland. <i>Atmospheric Environment</i> , 2014, 82, 351-363.	1.9	37
71	Source regions and transport pathways of PM _{2.5} at a regional background site in East China. <i>Atmospheric Environment</i> , 2017, 167, 202-211.	1.9	37
72	Improve regional distribution and source apportionment of PM _{2.5} trace elements in China using inventory-observation constrained emission factors. <i>Science of the Total Environment</i> , 2018, 624, 355-365.	3.9	37

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73	Source apportionment of airborne particulate matter in Southeast Texas using a source-oriented 3D air quality model. <i>Atmospheric Environment</i> , 2010, 44, 3547-3557.	1.9	36
74	Source apportionment of formaldehyde during TexAQ5 2006 using a source-oriented chemical transport model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 1525-1535.	1.2	36
75	Modeling PM _{2.5} and O ₃ with aerosol feedbacks using WRF/Chem over the Sichuan Basin, southwestern China. <i>Chemosphere</i> , 2020, 254, 126735.	4.2	36
76	Secondary organic aerosol from polycyclic aromatic hydrocarbons in Southeast Texas. <i>Atmospheric Environment</i> , 2012, 55, 279-287.	1.9	35
77	Impacts of power generation on air quality in China—Part II: Future scenarios. <i>Resources, Conservation and Recycling</i> , 2017, 121, 115-127.	5.3	34
78	Large-scale synoptic drivers of co-occurring summertime ozone and PM _{2.5} pollution in eastern China. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 9105-9124.	1.9	33
79	Evaluating the spatiotemporal ozone characteristics with high-resolution predictions in mainland China, 2013–2019. <i>Environmental Pollution</i> , 2022, 299, 118865.	3.7	33
80	Comprehensive Insights Into O ₃ Changes During the COVID-19 From O ₃ Formation Regime and Atmospheric Oxidation Capacity. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093668.	1.5	32
81	Quantifying the impact of daily mobility on errors in air pollution exposure estimation using mobile phone location data. <i>Environment International</i> , 2020, 141, 105772.	4.8	30
82	Spatial and temporal variations in criteria air pollutants in three typical terrain regions in Shaanxi, China, during 2015. <i>Air Quality, Atmosphere and Health</i> , 2018, 11, 95-109.	1.5	29
83	Health risk associated with potential source regions of PM _{2.5} in Indian cities. <i>Air Quality, Atmosphere and Health</i> , 2019, 12, 327-340.	1.5	29
84	Using rush hour and daytime exposure indicators to estimate the short-term mortality effects of air pollution: A case study in the Sichuan Basin, China. <i>Environmental Pollution</i> , 2018, 242, 1291-1298.	3.7	28
85	Impact of reduced anthropogenic emissions during COVID-19 on air quality in India. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 4025-4037.	1.9	28
86	Long-term particulate matter modeling for health effect studies in California – Part 2: Concentrations and sources of ultrafine organic aerosols. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 5379-5391.	1.9	26
87	Role of emission controls in reducing the 2050 climate change penalty for PM _{2.5} in China. <i>Science of the Total Environment</i> , 2021, 765, 144338.	3.9	25
88	Source apportionment of black carbon aerosols from light absorption observation and source-oriented modeling: an implication in a coastal city in China. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 14419-14435.	1.9	24
89	Meteorological Conditions During an Ozone Episode in Dallas–Fort Worth, Texas, and Impact of Their Modeling Uncertainties on Air Quality Prediction. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 1941-1961.	1.2	23
90	Modeled changes in source contributions of particulate matter during the COVID-19 pandemic in the Yangtze River Delta, China. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 7343-7355.	1.9	23

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91	Source apportionment of PM _{2.5} in Baton Rouge, Louisiana during 2009–2014. <i>Science of the Total Environment</i> , 2017, 586, 115-126.	3.9	22
92	The Critical Role of Policy Enforcement in Achieving Health, Air Quality, and Climate Benefits from India's Clean Electricity Transition. <i>Environmental Science & Technology</i> , 2020, 54, 11720-11731.	4.6	22
93	Source contributions to poor atmospheric visibility in China. <i>Resources, Conservation and Recycling</i> , 2019, 143, 167-177.	5.3	21
94	Investigation of relationships between meteorological conditions and high PM ₁₀ pollution in a megacity in the western Yangtze River Delta, China. <i>Air Quality, Atmosphere and Health</i> , 2017, 10, 713-724.	1.5	20
95	Projected air quality and health benefits from future policy interventions in India. <i>Resources, Conservation and Recycling</i> , 2019, 142, 232-244.	5.3	18
96	Influence of anthropogenic emissions on wet deposition of pollutants and rainwater acidity in Guwahati, a UNESCO heritage city in Northeast India. <i>Atmospheric Research</i> , 2020, 232, 104683.	1.8	18
97	Quantifying ecological and health risks of ground-level O ₃ across China during the implementation of the "Three-year Action Plan for Cleaner Air". <i>Science of the Total Environment</i> , 2022, 817, 153011.	3.9	18
98	Spatial-temporal variations and source contributions to forest ozone exposure in China. <i>Science of the Total Environment</i> , 2019, 674, 189-199.	3.9	17
99	Characterization and source apportionment of marine aerosols over the East China Sea. <i>Science of the Total Environment</i> , 2019, 651, 2679-2688.	3.9	17
100	Summertime O ₃ and related health risks in the north China plain: A modeling study using two anthropogenic emission inventories. <i>Atmospheric Environment</i> , 2021, 246, 118087.	1.9	17
101	Using Chemical Transport Model Predictions To Improve Exposure Assessment of PM _{2.5} Constituents. <i>Environmental Science and Technology Letters</i> , 2019, 6, 456-461.	3.9	16
102	Potential for Electric Vehicle Adoption to Mitigate Extreme Air Quality Events in China. <i>Earth's Future</i> , 2021, 9, e2020EF001788.	2.4	16
103	Estimation of ambient PM _{2.5} -related mortality burden in China by 2030 under climate and population change scenarios: A modeling study. <i>Environment International</i> , 2021, 156, 106733.	4.8	16
104	Comparison of the SAPRC07 and SAPRC99 photochemical mechanisms during a high ozone episode in Texas: Differences in concentrations, OH budget and relative response factors. <i>Atmospheric Environment</i> , 2012, 54, 25-35.	1.9	15
105	Model vs. observation discrepancy in aerosol characteristics during a half-year long campaign in Northeast China: The role of biomass burning. <i>Environmental Pollution</i> , 2021, 269, 116167.	3.7	15
106	Wind-blown dust and its impacts on particulate matter pollution in Northern China: current and future scenarios. <i>Environmental Research Letters</i> , 2021, 16, 114041.	2.2	15
107	Atmospheric deposition of sulfur and nitrogen in the West China rain zone: Fluxes, concentrations, ecological risks, and source apportionment. <i>Atmospheric Research</i> , 2021, 256, 105569.	1.8	14
108	Atmospheric impacts of black carbon emission reductions through the strategic use of biodiesel in California. <i>Science of the Total Environment</i> , 2015, 538, 412-422.	3.9	13

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109	Cross-state air pollution transport calls for more centralization in India's environmental federalism. <i>Atmospheric Pollution Research</i> , 2020, 11, 1797-1804.	1.8	13
110	Coordinated health effects attributable to particulate matter and other pollutants exposures in the North China Plain. <i>Environmental Research</i> , 2022, 208, 112671.	3.7	13
111	Responses of fine particulate matter and ozone to local emission reductions in the Sichuan Basin, southwestern China. <i>Environmental Pollution</i> , 2021, 277, 116793.	3.7	12
112	Is atmospheric oxidation capacity better in indicating tropospheric O ₃ formation?. <i>Frontiers of Environmental Science and Engineering</i> , 2022, 16, .	3.3	12
113	Implementation of warm-cloud processes in a source-oriented WRF/Chem model to study the effect of aerosol mixing state on fog formation in the Central Valley of California. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 8353-8374.	1.9	11
114	Deposition of sulfur and nitrogen components in Louisiana in August, 2011. <i>Science of the Total Environment</i> , 2018, 636, 124-133.	3.9	11
115	Modeling Atmospheric Age Distribution of Elemental Carbon Using a Regional Age-Resolved Particle Representation Framework. <i>Environmental Science & Technology</i> , 2019, 53, 270-278.	4.6	11
116	Revealing the origin of fine particulate matter in the Sichuan Basin from a source-oriented modeling perspective. <i>Atmospheric Environment</i> , 2021, 244, 117896.	1.9	11
117	Unexpected enhancement of ozone exposure and health risks during National Day in China. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 10347-10356.	1.9	11
118	Modeling dry and wet deposition of sulfate, nitrate, and ammonium ions in Jiuzhaigou National Nature Reserve, China using a source-oriented CMAQ model: Part II. Emission sector and source region contributions. <i>Science of the Total Environment</i> , 2015, 532, 840-848.	3.9	10
119	Integration of field observation and air quality modeling to characterize Beijing aerosol in different seasons. <i>Chemosphere</i> , 2020, 242, 125195.	4.2	10
120	U.S.–China Collaboration is Vital to Global Plans for a Healthy Environment and Sustainable Development. <i>Environmental Science & Technology</i> , 2021, 55, 9622-9626.	4.6	10
121	Premature Mortality Associated with Exposure to Outdoor Black Carbon and Its Source Contributions in China. <i>Resources, Conservation and Recycling</i> , 2021, 170, 105620.	5.3	10
122	Characteristics of Air Pollutants and Greenhouse Gases at a Regional Background Station in Southwestern China. <i>Aerosol and Air Quality Research</i> , 2019, 19, 1007-1023.	0.9	10
123	Health and economic losses attributable to PM _{2.5} and ozone exposure in Handan, China. <i>Air Quality, Atmosphere and Health</i> , 2021, 14, 605-615.	1.5	9
124	Ground-level ozone simulation using ensemble WRF/Chem predictions over the Southeast United States. <i>Chemosphere</i> , 2022, 287, 132428.	4.2	9
125	Contributions of power generation to air pollution and associated health risks in India: Current status and control scenarios. <i>Journal of Cleaner Production</i> , 2021, 288, 125587.	4.6	8
126	The aggravated short-term PM _{2.5} -related health risk due to atmospheric transport in the Yangtze River Delta. <i>Environmental Pollution</i> , 2021, 275, 116672.	3.7	8

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127	Atmospheric Age Distribution of Primary and Secondary Inorganic Aerosols in a Polluted Atmosphere. <i>Environmental Science & Technology</i> , 2021, 55, 5668-5676.	4.6	7
128	Using spatio-temporal lagged association pattern to unravel the acute effect of air pollution on mortality. <i>Science of the Total Environment</i> , 2019, 664, 99-106.	3.9	6
129	Evaluating the Impacts of Ground-Level O ₃ on Crops in China. <i>Current Pollution Reports</i> , 2021, 7, 565-578.	3.1	6
130	Modeling polycyclic aromatic hydrocarbons in India: Seasonal variations, sources and associated health risks. <i>Environmental Research</i> , 2022, 212, 113466.	3.7	6
131	Strategies for development of clean energy in China. <i>Petroleum Science</i> , 2008, 5, 183-188.	2.4	5
132	Improvement of aerosol activation/ice nucleation in a source-oriented WRF-Chem model to study a winter Storm in California. <i>Atmospheric Research</i> , 2020, 235, 104790.	1.8	5
133	Temporal variation of PM _{2.5} -associated health effects in Shijiazhuang, Hebei. <i>Frontiers of Environmental Science and Engineering</i> , 2021, 15, 1.	3.3	5
134	Evaluation of a highly condensed SAPRC chemical mechanism and two emission inventories for ozone source apportionment and emission control strategy assessments in China. <i>Science of the Total Environment</i> , 2022, 813, 151922.	3.9	5
135	An Increasing Threat of Wildfire to Human Health. <i>Current Pollution Reports</i> , 2018, 4, 56-57.	3.1	4
136	Age-Resolved Source and Region Contributions to Fine Particulate Matter During an Extreme Haze Episode in China. <i>Geophysical Research Letters</i> , 2021, 48, .	1.5	4
137	Assessment of Sectoral NO _x Emission Reductions During COVID-19 Lockdown Using Combined Satellite and Surface Observations and Source-Oriented Model Simulations. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	4
138	Risk of illness-related school absenteeism for elementary students with exposure to PM _{2.5} and O ₃ . <i>Science of the Total Environment</i> , 2022, , 156824.	3.9	4
139	Editorial: Utilization of data from air quality monitoring networks. <i>Environmental Research</i> , 2018, 164, 9-10.	3.7	3
140	Spatial and Temporal Variations in the Atmospheric Age Distribution of Primary and Secondary Inorganic Aerosols in China. <i>Engineering</i> , 2023, 28, 117-129.	3.2	2
141	Overestimated role of sulfate in haze formation over Chinese megacities due to improper simulation of heterogeneous reactions. <i>Environmental Chemistry Letters</i> , 0, , .	8.3	2
142	Impact of Climate-Driven Land-Use Change on O ₃ and PM Pollution by Driving BVOC Emissions in China in 2050. <i>Atmosphere</i> , 2022, 13, 1086.	1.0	2
143	Editorial: Clean power transition in China. <i>Resources, Conservation and Recycling</i> , 2017, 117, 262-263.	5.3	1
144	Clean power transition in China. <i>Resources, Conservation and Recycling</i> , 2017, 121, 1-2.	5.3	0