Hong Liao

List of Publications by Year
in descending order

173 papers	9,829 citations	41258 49 h-index	42291 92 g-index
193 all docs	193 docs citations	193 times ranked	6078 citing authors

#	Article	IF	Citations
1	Anthropogenic drivers of 2013â€“2017 trends in summer surface ozone in China. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 422-427.	3.3	990
2	Aerosol and boundary-layer interactions and impact on air quality. National Science Review, 2017, 4, 810-833.	4.6	524
3	A two-pollutant strategy for improving ozone and particulate air quality in China. Nature Geoscience, 2019, 12, 906-910.	5.4	493
4	Weather conditions conducive to Beijing severe haze more frequent under climateÂchange. Nature Climate Change, 2017, 7, 257-262.	8.1	479
5	Fine particulate matter (PM_{2.5}) trends in China, 2013â€“2018: separating contributions from anthropogenic emissions and meteorology. Atmospheric Chemistry and Physics, 2019, 19, 11031-11041.	1.9	442
6	Increases in surface ozone pollution in China from 2013 to 2019: anthropogenic and meteorological influences. Atmospheric Chemistry and Physics, 2020, 20, 11423-11433.	1.9	294
7	Biogenic secondary organic aerosol over the United States: Comparison of climatological simulations with observations. Journal of Geophysical Research, 2007, 112, .	3.3	210
8	Increases in aerosol concentrations over eastern China due to the decadalâ€scale weakening of the East Asian summer monsoon. Geophysical Research Letters, 2012, 39, .	1.5	172
9	Ozone and haze pollution weakens net primary productivity in China. Atmospheric Chemistry and Physics, 2017, 17, 6073-6089.	1.9	169
10	Fast sulfate formation from oxidation of SO2 by NO2 and HONO observed in Beijing haze. Nature Communications, 2020, 11, 2844.	5.8	161
11	The role of chlorine in global tropospheric chemistry. Atmospheric Chemistry and Physics, 2019, 19, 3981-4003.	1.9	160
12	Increase in winter haze over eastern China in recent decades: Roles of variations in meteorological parameters and anthropogenic emissions. Journal of Geophysical Research D: Atmospheres, 2016, 121, 13,050.	1.2	159
13	Sources of particulate matter in China: Insights from source apportionment studies published in 1987â€“2017. Environment International, 2018, 115, 343-357.	4.8	158
14	Premature Mortality Attributable to Particulate Matter in China: Source Contributions and Responses to Reductions. Environmental Science & Technology, 2017, 51, 9950-9959.	4.6	152
15	Impacts of aerosols on surface-layer ozone concentrations in China through heterogeneous reactions and changes in photolysis rates. Atmospheric Environment, 2014, 85, 123-138.	1.9	144
16	Control of particulate nitrate air pollution in China. Nature Geoscience, 2021, 14, 389-395.	5.4	139
17	Ozone pollution in the North China Plain spreading into the late-winter haze season. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	138
18	Dust-wind interactions can intensify aerosol pollution over eastern China. Nature Communications, 2017, 8, 15333.	5.8	105

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19	Quantifying the anthropogenic and meteorological influences on summertime surface ozone in China over 2012â€“2017. Science of the Total Environment, 2021, 754, 142394.	3.9	104
20	Investigation of near-global daytime boundary layer height using high-resolution radiosondes: first results and comparison with ERA5, MERRA-2, JRA-55, and NCEP-2 reanalyses. Atmospheric Chemistry and Physics, 2021, 21, 17079-17097.	1.9	99
21	Meteorological influences on PM2.5 and O3 trends and associated health burden since China's clean air actions. Science of the Total Environment, 2020, 744, 140837.	3.9	98
22	Scattering and absorbing aerosols in the climate system. Nature Reviews Earth & Environment, 2022, 3, 363-379.	12.2	93
23	Severe winter haze days in the Beijingâ€“Tianjinâ€“Hebei region from 1985 to 2017 and the roles of anthropogenic emissions and meteorology. Atmospheric Chemistry and Physics, 2019, 19, 10801-10816.	1.9	89
24	Severe particulate pollution days in China during 2013â€“2018 and the associated typical weather patterns in Beijing-Tianjin-Hebei and the Yangtze River Delta regions. Environmental Pollution, 2019, 248, 74-81.	3.7	89
25	Impacts of Asian summer monsoon on seasonal and interannual variations of aerosols over eastern China. Journal of Geophysical Research, 2010, 115, .	3.3	88
26	Sources and Processes Affecting Fine Particulate Matter Pollution over North China: An Adjoint Analysis of the Beijing APEC Period. Environmental Science & Technology, 2016, 50, 8731-8740.	4.6	87
27	A typical weather pattern for ozone pollution events in North China. Atmospheric Chemistry and Physics, 2019, 19, 13725-13740.	1.9	87
28	Simulation of the interannual variations of biogenic emissions of volatile organic compounds in China: Impacts on tropospheric ozone and secondary organic aerosol. Atmospheric Environment, 2012, 59, 170-185.	1.9	86
29	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
30	Radiative Forcing and Health Impact of Aerosols and Ozone in China as the Consequence of Clean Air Actions over 2012â€“2017. Geophysical Research Letters, 2019, 46, 12511-12519.	1.5	83
31	Driving Forces of Changes in Air Quality during the COVID-19 Lockdown Period in the Yangtze River Delta Region, China. Environmental Science and Technology Letters, 2020, 7, 779-786.	3.9	83
32	Climatic effects of air pollutants over china: A review. Advances in Atmospheric Sciences, 2015, 32, 115-139.	1.9	82
33	Correlations between PM2.5 and Ozone over China and Associated Underlying Reasons. Atmosphere, 2019, 10, 352.	1.0	75
34	Aqueous production of secondary organic aerosol from fossil-fuel emissions in winter Beijing haze. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	75
35	The impact of synoptic patterns on summertime ozone pollution in the North China Plain. Science of the Total Environment, 2020, 735, 139559.	3.9	73
36	Attribution of Anthropogenic Influence on Atmospheric Patterns Conducive to Recent Most Severe Haze Over Eastern China. Geophysical Research Letters, 2018, 45, 2072-2081.	1.5	71

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37	Impacts of biogenic and anthropogenic emissions on summertime ozone formation in the Guanzhong Basin, China. Atmospheric Chemistry and Physics, 2018, 18, 7489-7507.	1.9	66
38	The 2005â€"2016 Trends of Formaldehyde Columns Over China Observed by Satellites: Increasing Anthropogenic Emissions of Volatile Organic Compounds and Decreasing Agricultural Fire Emissions. Geophysical Research Letters, 2019, 46, 4468-4475.	1.5	66
39	Integrated assessment of air quality and climate change for policy-making: highlights of IPCC AR5 and research challenges. National Science Review, 2014, 1, 176-179.	4.6	65
40	An evaluation of the ability of the Ozone Monitoring Instrument (OMI) to observe boundary layer ozone pollution across China: application to 2005â€"2017 ozone trends. Atmospheric Chemistry and Physics, 2019, 19, 6551-6560.	1.9	65
41	Persistent ozone pollution episodes in North China exacerbated by regional transport. Environmental Pollution, 2020, 265, 115056.	3.7	63
42	Decadal trend and interannual variation of outflow of aerosols from East Asia: Roles of variations in meteorological parameters and emissions. Atmospheric Environment, 2015, 100, 141-153.	1.9	62
43	Mercury from wildfires: Global emission inventories and sensitivity to 2000â€"2050 global change. Atmospheric Environment, 2018, 173, 6-15.	1.9	59
44	Co-occurrence of ozone and PM2.5 pollution in the Yangtze River Delta over 2013â€"2019: Spatiotemporal distribution and meteorological conditions. Atmospheric Research, 2021, 249, 105363.	1.8	59
45	Assessing the formation and evolution mechanisms of severe haze pollution in the Beijingâ€"Tianjinâ€"Hebei region using process analysis. Atmospheric Chemistry and Physics, 2019, 19, 10845-10864.	1.9	56
46	Direct climate effect of black carbon in China and its impact on dust storms. Journal of Geophysical Research, 2010, 115, .	3.3	55
47	Simulated impacts of direct radiative effects of scattering and absorbing aerosols on surface layer aerosol concentrations in China during a heavily polluted event in February 2014. Journal of Geophysical Research D: Atmospheres, 2017, 122, 5955-5975.	1.2	53
48	PM2.5 elements at an urban site in Yangtze River Delta, China: High time-resolved measurement and the application in source apportionment. Environmental Pollution, 2019, 253, 1089-1099.	3.7	53
49	MICS-Asia III: multi-model comparison and evaluation of aerosol over East Asia. Atmospheric Chemistry and Physics, 2019, 19, 11911-11937.	1.9	53
50	Aerosol-boundary-layer-monsoon interactions amplify semi-direct effect of biomass smoke on low cloud formation in Southeast Asia. Nature Communications, 2021, 12, 6416.	5.8	53
51	Effect of chemistryâ€aerosolâ€climate coupling on predictions of future climate and future levels of tropospheric ozone and aerosols. Journal of Geophysical Research, 2009, 114, .	3.3	52
52	Molecular Markers of Secondary Organic Aerosol in Mumbai, India. Environmental Science & Technology, 2016, 50, 4659-4667.	4.6	51
53	Interannual and Decadal Changes in Tropospheric Ozone in China and the Associated Chemistry-Climate Interactions: A Review. Advances in Atmospheric Sciences, 2019, 36, 975-993.	1.9	51
54	Fast Climate Responses to Aerosol Emission Reductions During the COVIDâ€19 Pandemic. Geophysical Research Letters, 2020, 47, e2020GL089788.	1.5	51

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55	Chinese Regulations Are Workingâ€"Why Is Surface Ozone Over Industrialized Areas Still High? Applying Lessons From Northeast US Air Quality Evolution. Geophysical Research Letters, 2021, 48, e2021GL092816.	1.5	50
56	Observed dependence of surface ozone on increasing temperature in Shanghai, China. Atmospheric Environment, 2020, 221, 117108.	1.9	48
57	Quantifying the impacts of inter-city transport on air quality in the Yangtze River Delta urban agglomeration, China: Implications for regional cooperative controls of PM2.5 and O3. Science of the Total Environment, 2021, 779, 146619.	3.9	48
58	MICS-Asia III: overview of model intercomparison and evaluation of acid deposition over Asia. Atmospheric Chemistry and Physics, 2020, 20, 2667-2693.	1.9	47
59	Model evaluation and intercomparison of surface-level ozone and relevant species in East Asia in the context of MICS-Asia Phase III â€“ Part 1: Overview. Atmospheric Chemistry and Physics, 2019, 19, 12993-13015.	1.9	46
60	Simulation of dust aerosol radiative feedback using the GMOD: 2. Dustâ€climate interactions. Journal of Geophysical Research, 2010, 115, .	3.3	45
61	Atmospheric chemistryâ€climate feedbacks. Journal of Geophysical Research, 2010, 115, .	3.3	44
62	Impacts of Regional Transport on Particulate Matter Pollution in China: a Review of Methods and Results. Current Pollution Reports, 2017, 3, 182-191.	3.1	41
63	Evaluation and uncertainty investigation of the NO₂, CO and NH₃ modeling over China under the framework of MICS-AsiaÂIII. Atmospheric Chemistry and Physics, 2020, 20, 181-202.	1.9	41
64	Source attribution of Arctic black carbon and sulfate aerosols and associated Arctic surface warming during 1980â€“2018. Atmospheric Chemistry and Physics, 2020, 20, 9067-9085.	1.9	40
65	Climate responses to direct radiative forcing of anthropogenic aerosols, tropospheric ozone, and long-lived greenhouse gases in eastern China over 1951â€“2000. Advances in Atmospheric Sciences, 2009, 26, 748-762.	1.9	38
66	Effects of Anthropogenic Chlorine on PM_{2.5} and Ozone Air Quality in China. Environmental Science & Technology, 2020, 54, 9908-9916.	4.6	38
67	Implications of RCP emissions on future PM_{2.5} air quality and direct radiative forcing over China. Journal of Geophysical Research D: Atmospheres, 2016, 121, 12,985.	1.2	37
68	Impacts of Anomalous Midlatitude Cyclone Activity over East Asia during Summer on the Decadal Mode of East Asian Summer Monsoon and Its Possible Mechanism. Journal of Climate, 2017, 30, 739-753.	1.2	37
69	Constructing a spatiotemporally coherent long-term PM2.5 concentration dataset over China during 1980â€“2019 using a machine learning approach. Science of the Total Environment, 2021, 765, 144263.	3.9	37
70	Winter particulate pollution severity in North China driven by atmospheric teleconnections. Nature Geoscience, 2022, 15, 349-355.	5.4	37
71	Future ozone air quality and radiative forcing over China owing to future changes in emissions under the Representative Concentration Pathways (RCPs). Journal of Geophysical Research D: Atmospheres, 2016, 121, 1978-2001.	1.2	35
72	Development and Assessment of a High-Resolution Biogenic Emission Inventory from Urban Green Spaces in China. Environmental Science & Technology, 2022, 56, 175-184.	4.6	35

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73	Abrupt emissions reductions during COVID-19 contributed to record summer rainfall in China. Nature Communications, 2022, 13, 959.	5.8	35
74	Impacts of land use and land cover changes on biogenic emissions of volatile organic compounds in China from the late 1980s to the mid-2000s: implications for tropospheric ozone and secondary organic aerosol. Tellus, Series B: Chemical and Physical Meteorology, 2022, 66, 24987.	0.8	33
75	Impacts of biogenic emissions from urban landscapes on summer ozone and secondary organic aerosol formation in megacities. Science of the Total Environment, 2022, 814, 152654.	3.9	32
76	Modelling air quality during the EXPLORE-YRD campaign â€“ Part I. Model performance evaluation and impacts of meteorological inputs and grid resolutions. Atmospheric Environment, 2021, 246, 118131.	1.9	31
77	Improved gridded ammonia emission inventory in China. Atmospheric Chemistry and Physics, 2021, 21, 15883-15900.	1.9	31
78	Future climate impacts of direct radiative forcing of anthropogenic aerosols, tropospheric ozone, and longâ€lived greenhouse gases. Journal of Geophysical Research, 2007, 112, .	3.3	30
79	Influences of El NiÃ±o Modoki event 1994/1995 on aerosol concentrations over southern China. Journal of Geophysical Research D: Atmospheres, 2016, 121, 1637-1651.	1.2	30
80	Impact of western Pacific subtropical high on ozone pollution over eastern China. Atmospheric Chemistry and Physics, 2021, 21, 2601-2613.	1.9	30
81	Modelling air quality during the EXPLORE-YRD campaign â€“ Part II. Regional source apportionment of ozone and PM2.5. Atmospheric Environment, 2021, 247, 118063.	1.9	30
82	North China Plain as a hot spot of ozone pollution exacerbated by extreme high temperatures. Atmospheric Chemistry and Physics, 2022, 22, 4705-4719.	1.9	29
83	An Air Stagnation Index to Qualify Extreme Haze Events in Northern China. Journals of the Atmospheric Sciences, 2018, 75, 3489-3505.	0.6	28
84	Health Burden and economic impacts attributed to PM2.5 and O3 in china from 2010 to 2050 under different representative concentration pathway scenarios. Resources, Conservation and Recycling, 2021, 173, 105731.	5.3	28
85	Impacts of historical climate and land cover changes on fine particulate matter (PM_{2.5}) air quality in East Asia between 1980 and 2010. Atmospheric Chemistry and Physics, 2016, 16, 10369-10383.	1.9	27
86	Global climate response to anthropogenic aerosol indirect effects: Present day and year 2100. Journal of Geophysical Research, 2010, 115, .	3.3	26
87	Impacts of meteorological parameters and emissions on decadal and interannual variations of black carbon in China for 1980â€“2010. Journal of Geophysical Research D: Atmospheres, 2016, 121, 1822-1843.	1.2	24
88	Spatiotemporal distribution of atmospheric polycyclic aromatic hydrocarbon emissions during 2013â€“2017 in mainland China. Science of the Total Environment, 2021, 789, 148003.	3.9	24
89	Simulated coordinated impacts of the previous autumn North Atlantic Oscillation (NAO) and winter El NiÃ±o on winter aerosol concentrations over eastern China. Atmospheric Chemistry and Physics, 2019, 19, 10787-10800.	1.9	23
90	Markedly Enhanced Levels of Peroxyacetyl Nitrate (PAN) During COVIDâ€19 in Beijing. Geophysical Research Letters, 2020, 47, e2020GL089623.	1.5	23

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91	Model Inter-Comparison Study for Asia (MICS-Asia) phase III: multimodel comparison of reactive nitrogen deposition over China. Atmospheric Chemistry and Physics, 2020, 20, 10587-10610.	1.9	23
92	Meteorological influences on daily variation and trend of summertime surface ozone over years of 2015â€“2020: Quantification for cities in the Yangtze River Delta. Science of the Total Environment, 2022, 834, 155107.	3.9	23
93	Past and future direct radiative forcing of nitrate aerosol in East Asia. Theoretical and Applied Climatology, 2015, 121, 445-458.	1.3	22
94	Simulated contrasting influences of two La NiÃ±a Modoki events on aerosol concentrations over eastern China. Journal of Geophysical Research D: Atmospheres, 2017, 122, 2734-2749.	1.2	22
95	Spatio-temporal distribution and influencing factors of atmospheric polycyclic aromatic hydrocarbons in the Yangtze River Delta. Journal of Cleaner Production, 2020, 267, 122049.	4.6	22
96	Multi-pollutant air pollution and associated health risks in China from 2014 to 2020. Atmospheric Environment, 2022, 268, 118829.	1.9	22
97	Source contributions to poor atmospheric visibility in China. Resources, Conservation and Recycling, 2019, 143, 167-177.	5.3	21
98	Why do models perform differently on particulate matter over East Asia? A multi-model intercomparison study for MICS-Asia III. Atmospheric Chemistry and Physics, 2020, 20, 7393-7410.	1.9	21
99	Toward Better and Healthier Air Quality: Implementation of WHO 2021 Global Air Quality Guidelines in Asia. Bulletin of the American Meteorological Society, 2022, 103, E1696-E1703.	1.7	21
100	Interannual variation, decadal trend, and future change in ozone outflow from East Asia. Atmospheric Chemistry and Physics, 2017, 17, 3729-3747.	1.9	20
101	Trends and source apportionment of aerosols in Europe during 1980â€“2018. Atmospheric Chemistry and Physics, 2020, 20, 2579-2590.	1.9	20
102	Unveiling the dipole synergic effect of biogenic and anthropogenic emissions on ozone concentrations. Science of the Total Environment, 2022, 818, 151722.	3.9	20
103	ENSO modulation of summertime tropospheric ozone over China. Environmental Research Letters, 2022, 17, 034020.	2.2	20
104	Direct climatic effect of dust aerosol in the NCAR Community Atmosphere Model Version 3 (CAM3). Advances in Atmospheric Sciences, 2010, 27, 230-242.	1.9	18
105	Review of Chinese atmospheric science research over the past 70 years: Atmospheric physics and atmospheric environment. Science China Earth Sciences, 2019, 62, 1903-1945.	2.3	18
106	Ozoneâ€“vegetation feedback through dry deposition and isoprene emissions in aÂ global chemistryâ€“carbonâ€“climate model. Atmospheric Chemistry and Physics, 2020, 20, 3841-3857.	1.9	18
107	Relating geostationary satellite measurements of aerosol optical depth (AOD) over East Asia to fine particulate matter (PM_{2.5}): insights from the KORUS-AQ aircraft campaign and GEOS-Chem model simulations. Atmospheric Chemistry and Physics, 2021, 21, 16775-16791.	1.9	18
108	Climatic responses to the shortwave and longwave direct radiative effects of sea salt aerosol in present day and the last glacial maximum. Climate Dynamics, 2012, 39, 3019-3040.	1.7	17

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109	WRF-Chem modeling of particulate matter in the Yangtze River Delta region: Source apportionment and its sensitivity to emission changes. PLoS ONE, 2018, 13, e0208944.	1.1	17
110	Intensified Humid Heat Events Under Global Warming. Geophysical Research Letters, 2021, 48, e2020GL091462.	1.5	17
111	Global Perspective of Drought Impacts on Ozone Pollution Episodes. Environmental Science & Technology, 2022, 56, 3932-3940.	4.6	17
112	Implementation of Yale Interactive terrestrial Biosphere model v1.0 into GEOS-Chem v12.0.0: a tool for biosphereâ€“chemistry interactions. Geoscientific Model Development, 2020, 13, 1137-1153.	1.3	16
113	Long-term health impact of PM2.5 under whole-year COVID-19 lockdown in China. Environmental Pollution, 2021, 290, 118118.	3.7	16
114	Predominant Type of Dust Storms That Influences Air Quality Over Northern China and Future Projections. Earth's Future, 2022, 10, .	2.4	16
115	Enhanced PM 2.5 Decreases and O 3 Increases in China During COVIDâ€19 Lockdown by Aerosolâ€Radiation Feedback. Geophysical Research Letters, 2021, 48, e2020GL090260.	1.5	15
116	Projected Aerosol Changes Driven by Emissions and Climate Change Using a Machine Learning Method. Environmental Science & Technology, 2022, 56, 3884-3893.	4.6	15
117	Impacts of Ozoneâ€Vegetation Interactions on Ozone Pollution Episodes in North China and the Yangtze River Delta. Geophysical Research Letters, 2021, 48, e2021GL093814.	1.5	14
118	Intensified modulation of winter aerosol pollution in China by El NiÃ±o with short duration. Atmospheric Chemistry and Physics, 2021, 21, 10745-10761.	1.9	14
119	Regional warming by black carbon and tropospheric ozone: A review of progresses and research challenges in China. Journal of Meteorological Research, 2015, 29, 525-545.	0.9	13
120	Effect of emission control measures on ozone concentrations in Hangzhou during G20 meeting in 2016. Chemosphere, 2020, 261, 127729.	4.2	13
121	Fast climate responses to emission reductions in aerosol and ozone precursors in China during 2013â€“2017. Atmospheric Chemistry and Physics, 2022, 22, 7131-7142.	1.9	13
122	Sensitivity of the simulated CO2 concentration to inter-annual variations of its sources and sinks over East Asia. Advances in Climate Change Research, 2019, 10, 250-263.	2.1	12
123	A humidity-based exposure index representing ozone damage effects on vegetation. Environmental Research Letters, 2021, 16, 044030.	2.2	12
124	Impacts of aerosolâ€“photolysis interaction and aerosolâ€“radiation feedback on surface-layer ozone in North China during multi-pollutant air pollution episodes. Atmospheric Chemistry and Physics, 2022, 22, 4101-4116.	1.9	12
125	Long-term trends and variations in haze-related weather conditions in north China during 1980â€“2018 based on emission-weighted stagnation intensity. Atmospheric Environment, 2020, 240, 117830.	1.9	11
126	Simulated aging processes of black carbon and its impact during a severe winter haze event in the Beijing-Tianjin-Hebei region. Science of the Total Environment, 2021, 755, 142712.	3.9	11

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127	Meteorological Impact on Winter PM_{2.5} Pollution in Delhi: Present and Future Projection Under a Warming Climate. Geophysical Research Letters, 2021, 48, e2021GL093722.	1.5	11
128	Aerosol concentrations variability over China: two distinct leading modes. Atmospheric Chemistry and Physics, 2020, 20, 9883-9893.	1.9	11
129	Atmospheric Circulation Patterns Conducive to Severe Haze in Eastern China Have Shifted Under Climate Change. Geophysical Research Letters, 2021, 48, e2021GL095011.	1.5	11
130	A review on the generation, discharge, distribution, environmental behavior, and toxicity (especially) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Science of the Total Environment, 2022, 824, 153866.	3.9	11
131	Larger Sensitivity of Arctic Precipitation Phase to Aerosol than Greenhouse Gas Forcing. Geophysical Research Letters, 2020, 47, e2020GL090452.	1.5	10
132	Reduced light absorption of black carbon (BC) and its influence on BC-boundary-layer interactions during â€œAPEC Blueâ€. Atmospheric Chemistry and Physics, 2021, 21, 11405-11421.	1.9	10
133	Spatiotemporal Variations and Uncertainty in Crop Residue Burning Emissions over North China Plain: Implication for Atmospheric CO2 Simulation. Remote Sensing, 2021, 13, 3880.	1.8	10
134	Source backtracking for dust storm emission inversion using an adjoint method: case study of Northeast China. Atmospheric Chemistry and Physics, 2020, 20, 15207-15225.	1.9	10
135	Recent Progress in Impacts of Mixing State on Optical Properties of Black Carbon Aerosol. Current Pollution Reports, 2020, 6, 380-398.	3.1	9
136	Pathway dependence of ecosystem responses in China to 1.5â€‰Â°C global warming. Atmospheric Chemistry and Physics, 2020, 20, 2353-2366.	1.9	9
137	Simulated spatial distribution and seasonal variation of atmospheric methane over China: Contributions from key sources. Advances in Atmospheric Sciences, 2014, 31, 283-292.	1.9	8
138	Sources of black carbon during severe haze events in the Beijingâ€“Tianjinâ€“Hebei region using the adjoint method. Science of the Total Environment, 2020, 740, 140149.	3.9	8
139	Aerosol absorption optical depth of fine-mode mineral dust in eastern China. Atmospheric and Oceanic Science Letters, 2016, 9, 7-14.	0.5	7
140	Implications of RCP emissions on future concentration and direct radiative forcing of secondary organic aerosol over China. Science of the Total Environment, 2018, 640-641, 1187-1204.	3.9	7
141	Gasâ€“particle partitioning of polyol tracers at a suburban site in Nanjing, east China: increased partitioning to the particle phase. Atmospheric Chemistry and Physics, 2021, 21, 12141-12153.	1.9	7
142	A measurement and model study on ozone characteristics in marine air at a remote island station and its interaction with urban ozone air quality in Shanghai, China. Atmospheric Chemistry and Physics, 2020, 20, 14361-14375.	1.9	7
143	The Seesaw Pattern of PM_{2.5} Interannual Anomalies Between Beijingâ€Tianjinâ€Hebei and Yangtze River Delta Across Eastern China in Winter. Geophysical Research Letters, 2022, 49, .	1.5	7
144	Measurement report: Fast photochemical production of peroxyacetyl nitrate (PAN) over the rural North China Plain during haze events in autumn. Atmospheric Chemistry and Physics, 2021, 21, 17995-18010.	1.9	7

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145	Assessment of aerosol effective radiative forcing and surface air temperature response over eastern China in CMIP5 models. Atmospheric and Oceanic Science Letters, 2017, 10, 228-234.	0.5	6
146	Mitigated PM_{2.5}Changes by the Regional Transport During the COVIDâ€19 Lockdown in Shanghai, China. Geophysical Research Letters, 2021, 48, e2021GL092395.	1.5	6
147	Seasonal to interannual prediction of air pollution in China: Review and insight. Atmospheric and Oceanic Science Letters, 2022, 15, 100131.	0.5	6
148	Simulated impacts of vertical distributions of black carbon aerosol on meteorology and PM_{2.5} concentrations in Beijing during severe haze events. Atmospheric Chemistry and Physics, 2022, 22, 1825-1844.	1.9	6
149	Future Coâ€Occurrences of Hot Days and Ozoneâ€Polluted Days Over China Under Scenarios of Shared Socioeconomic Pathways Predicted Through a Machineâ€Learning Approach. Earth's Future, 2022, 10, .	2.4	6
150	Contribution of Fire Emissions to PM_{2.5} and Its Transport Mechanism Over the Yungui Plateau, China During 2015â€“2019. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	1.2	6
151	Widespread Wildfires Over the Western United States in 2020 Linked to Emissions Reductions During COVIDâ€19. Geophysical Research Letters, 2022, 49, .	1.5	6
152	A Questionnaire Case Study of Chinese Opinions on the Haze Pollution and Economic Growth. Sustainability, 2018, 10, 1970.	1.6	5
153	Impact of Short-Term Emission Control Measures on Air Quality in Nanjing During the Jiangsu Development Summit. Frontiers in Environmental Science, 2021, 9, .	1.5	5
154	Measurements, Gas/Particle Partitioning, and Sources of Nonpolar Organic Molecular Markers at a Suburban Site in the West Yangtze River Delta, China. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD034080.	1.2	5
155	Longâ€Term Variation and Source Apportionment of Black Carbon at Mt. Waliguan, China. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD035273.	1.2	5
156	Increasing but Variable Trend of Surface Ozone in the Yangtze River Delta Region of China. Frontiers in Environmental Science, 2022, 10, .	1.5	5
157	Response of fine particulate matter to reductions in anthropogenic emissions in Beijing during the 2014 Asiaâ€“Pacific Economic Cooperation summit. Atmospheric and Oceanic Science Letters, 2016, 9, 411-419.	0.5	4
158	Biogenic isoprene emissions over China: sensitivity to the CO2 inhibition effect. Atmospheric and Oceanic Science Letters, 2016, 9, 277-284.	0.5	4
159	Is the efficacy of satellite-based inversion of SO₂ emission model dependent?. Environmental Research Letters, 2021, 16, 035018.	2.2	4
160	Impacts of strong El NiÃ±o on summertime near-surface ozone over China. Atmospheric and Oceanic Science Letters, 2022, , 100193.	0.5	4
161	Estimating emissions and concentrations of road dust aerosol over China using the GEOS-Chem model. Atmospheric and Oceanic Science Letters, 2017, 10, 298-305.	0.5	3
162	Impact of Prior Terrestrial Carbon Fluxes on Simulations of Atmospheric CO₂ Concentrations. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD034794.	1.2	3

#	Article	IF	Citations
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