

Bo Zheng

List of Publications by Year in Descending Order

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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.

144
papers

10,697
citations

44
h-index

103
g-index

204
ext. papers

14,838
ext. citations

8.8
avg. IF

6.24
L-index

#	Paper	IF	Citations
144	Decadal Variabilities in Tropospheric Nitrogen Oxides Over United States, Europe, and China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022 , 127, e2021JD035872	4.4	1
143	Near-real-time global gridded daily CO emissions.. <i>Innovation(China)</i> , 2022 , 3, 100182	17.8	1
142	Regional trends and drivers of the global methane budget. <i>Global Change Biology</i> , 2022 , 28, 182-200	11.4	14
141	Accelerated reduction of air pollutants in China, 2017-2020. <i>Science of the Total Environment</i> , 2022 , 803, 150011	10.2	5
140	Definitions and methods to estimate regional land carbon fluxes for the second phase of the REgional Carbon Cycle Assessment and Processes Project (RECCAP-2). <i>Geoscientific Model Development</i> , 2022 , 15, 1289-1316	6.3	6
139	Decline in bulk deposition of air pollutants in China lags behind reductions in emissions. <i>Nature Geoscience</i> , 2022 , 15, 190-195	18.3	2
138	Large CO ₂ Emitters as Seen From Satellite: Comparison to a Gridded Global Emission Inventory. <i>Geophysical Research Letters</i> , 2022 , 49,	4.9	0
137	Rapid decline in atmospheric organic carbon deposition in rural Beijing, North China between 2016 and 2020. <i>Atmospheric Environment</i> , 2022 , 276, 119030	5.3	0
136	Direct observations of CO emission reductions due to COVID-19 lockdown across European urban districts.. <i>Science of the Total Environment</i> , 2022 , 154662	10.2	4
135	Rapid narrowing of the urban-suburban gap in air pollutant concentrations in Beijing from 2014 to 2019.. <i>Environmental Pollution</i> , 2022 , 304, 119146	9.3	0
134	New seasonal pattern of pollution emerges from changing North American wildfires.. <i>Nature Communications</i> , 2022 , 13, 2043	17.4	2
133	Differential impacts of urbanization characteristics on city-level carbon emissions from passenger transport on road: Evidence from 360 cities in China. <i>Building and Environment</i> , 2022 , 219, 109165	6.5	1
132	The drivers and health risks of unexpected surface ozone enhancements over the Sichuan Basin, China, in 2020. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 18589-18608	6.8	3
131	Evaporation process dominates vehicular NMVOC emissions in China with enlarged contribution from 1990 to 2016. <i>Environmental Research Letters</i> , 2021 , 16, 124036	6.2	0
130	Impacts of emission changes in China from 2010 to 2017 on domestic and intercontinental air quality and health effect. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 16051-16065	6.8	2
129	Recent ozone trends in the Chinese free troposphere: role of the local emission reductions and meteorology. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 16001-16025	6.8	0
128	Ozone pollution in the North China Plain spreading into the late-winter haze season. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	42

127	Mapping the drivers of formaldehyde (HCHO) variability from 2015 to 2019 over eastern China: insights from Fourier transform infrared observation and GEOS-Chem model simulation. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 6365-6387	6.8	8
126	Pathways of China's PM air quality 2015-2060 in the context of carbon neutrality.. <i>National Science Review</i> , 2021 , 8, nwab078	10.8	26
125	Source apportionment of fine organic carbon at an urban site of Beijing using a chemical mass balance model. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 7321-7341	6.8	8
124	Quantifying variability, source, and transport of CO in the urban areas over the Himalayas and Tibetan Plateau. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 9201-9222	6.8	3
123	Changes in China's anthropogenic emissions and air quality during the COVID-19 pandemic in 2020. <i>Earth System Science Data</i> , 2021 , 13, 2895-2907	10.5	42
122	Comparison of Current and Future PM2.5 Air Quality in China Under CMIP6 and DPEC Emission Scenarios. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL093197	4.9	3
121	Drivers of PM2.5 air pollution deaths in China 2002-2017. <i>Nature Geoscience</i> , 2021 , 14, 645-650	18.3	30
120	Enhanced secondary pollution offset reduction of primary emissions during COVID-19 lockdown in China. <i>National Science Review</i> , 2021 , 8, nwa137	10.8	247
119	Strong biomass burning contribution to ambient aerosol during heating season in a megacity in Northeast China: Effectiveness of agricultural fire bans?. <i>Science of the Total Environment</i> , 2021 , 754, 142144	10.2	13
118	Mapping anthropogenic emissions in China at 1 km spatial resolution and its application in air quality modeling. <i>Science Bulletin</i> , 2021 , 66, 612-620	10.6	15
117	Air quality and health benefits of China's current and upcoming clean air policies. <i>Faraday Discussions</i> , 2021 , 226, 584-606	3.6	6
116	A local- to national-scale inverse modeling system to assess the potential of spaceborne CO ₂ measurements for the monitoring of anthropogenic emissions. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 403-433	4	0
115	Risk assessment of mortality from acute exposure to ambient fine particles based on the different toxicities of chemical compositions in China. <i>Journal of Integrative Environmental Sciences</i> , 2021 , 18, 55-66	3	0
114	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	9.3	4
113	Sensitivity to the sources of uncertainties in the modeling of atmospheric CO ₂ concentration within and in the vicinity of Paris. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 10707-10726	6.8	2
112	Annual Maps of Forests in Australia from Analyses of Microwave and Optical Images with FAO Forest Definition. <i>Journal of Remote Sensing</i> , 2021 , 2021, 1-11		2
111	Adaptive CO ₂ emissions mitigation strategies of global oil refineries in all age groups. <i>One Earth</i> , 2021 , 4, 1114-1126	8.1	5
110	The underappreciated role of agricultural soil nitrogen oxide emissions in ozone pollution regulation in North China. <i>Nature Communications</i> , 2021 , 12, 5021	17.4	17

109	The reduction in C ₂ H ₆ from 2015 to 2020 over Hefei, eastern China, points to air quality improvement in China. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 11759-11779	6.8	5
108	Improved spatial representation of a highly resolved emission inventory in China: evidence from TROPOMI measurements. <i>Environmental Research Letters</i> , 2021 , 16, 084056	6.2	2
107	Accelerating methane growth rate from 2010 to 2017: leading contributions from the tropics and East Asia. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 12631-12647	6.8	6
106	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
105	Increasing forest fire emissions despite the decline in global burned area. <i>Science Advances</i> , 2021 , 7, eabn26468	7.5	8
104	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
103	New Insights into Unexpected Severe PM Pollution during the SARS and COVID-19 Pandemic Periods in Beijing.. <i>Environmental Science & Technology</i> , 2021 ,	10.3	1
102	Local anomalies in the column-averaged dry air mole fractions of carbon dioxide across the globe during the first months of the coronavirus recession. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL090244	4.9	16
101	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
100	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
99	Abrupt decline in tropospheric nitrogen dioxide over China after the outbreak of COVID-19. <i>Science Advances</i> , 2020 , 6, eabc2992	14.3	132
98	Influences of hydroxyl radicals (OH) on top-down estimates of the global and regional methane budgets 2020 ,		1
97	Intercomparison of Magnitudes and Trends in Anthropogenic Surface Emissions From Bottom-Up Inventories, Top-Down Estimates, and Emission Scenarios. <i>Earth's Future</i> , 2020 , 8, e2020EF001520	7.9	23
96	China's emission control strategies have suppressed unfavorable influences of climate on wintertime PM _{2.5} concentrations in Beijing since 2002. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 1497-1505	6.8	28
95	Biofuel burning and human respiration bias on satellite estimates of fossil fuel CO ₂ emissions. <i>Environmental Research Letters</i> , 2020 , 15, 074036	6.2	9
94	PMIF v1.0: an inversion system to estimate the potential of satellite observations to monitor fossil fuel CO ₂ emissions over the globe 2020 ,		2
93	Retrospect driving forces and forecasting reduction potentials of energy-related industrial carbon emissions from China's manufacturing at city level. <i>Environmental Research Letters</i> , 2020 , 15, 074020	6.2	3
92	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	6.8	10

91	On the role of trend and variability in the hydroxyl radical (OH) in the global methane budget. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 13011-13022	6.8	5
90	Observing carbon dioxide emissions over China's cities and industrial areas with the Orbiting Carbon Observatory-2. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 8501-8510	6.8	24
89	Influences of hydroxyl radicals (OH) on top-down estimates of the global and regional methane budgets. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 9525-9546	6.8	12
88	The Global Methane Budget 2000-2017. <i>Earth System Science Data</i> , 2020 , 12, 1561-1623	10.5	463
87	A global anthropogenic emission inventory of atmospheric pollutants from sector- and fuel-specific sources (1970-2017): an application of the Community Emissions Data System (CEDS). <i>Earth System Science Data</i> , 2020 , 12, 3413-3442	10.5	50
86	PMIF v1.0: assessing the potential of satellite observations to constrain CO ₂ emissions from large cities and point sources over the globe using synthetic data. <i>Geoscientific Model Development</i> , 2020 , 13, 5813-5831	6.3	8
85	Anthropogenic Emissions of SO ₂ , NO _x , and NH ₃ in China 2020 , 13-40		3
84	Near-real-time monitoring of global CO emissions reveals the effects of the COVID-19 pandemic. <i>Nature Communications</i> , 2020 , 11, 5172	17.4	204
83	Accelerating methane growth rate from 2010 to 2017: leading contributions from the tropics and East Asia 2020 ,		5
82	Natural gas shortages during the "coal-to-gas" transition in China have caused a large redistribution of air pollution in winter 2017. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 31018-31025	11.5	23
81	Satellite-based estimates of decline and rebound in China's CO emissions during COVID-19 pandemic. <i>Science Advances</i> , 2020 , 6,	14.3	58
80	Carbon Monitor, a near-real-time daily dataset of global CO emission from fossil fuel and cement production. <i>Scientific Data</i> , 2020 , 7, 392	8.2	39
79	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
78	Province-level fossil fuel CO ₂ emission estimates for China based on seven inventories. <i>Journal of Cleaner Production</i> , 2020 , 277, 123377	10.3	9
77	The potential of a constellation of low earth orbit satellite imagers to monitor worldwide Fossil fuel CO emissions from large cities and point sources. <i>Carbon Balance and Management</i> , 2020 , 15, 18	3.6	6
76	A city-level comparison of fossil-fuel and industry processes-induced CO emissions over the Beijing-Tianjin-Hebei region from eight emission inventories. <i>Carbon Balance and Management</i> , 2020 , 15, 25	3.6	7
75	Integration of field observation and air quality modeling to characterize Beijing aerosol in different seasons. <i>Chemosphere</i> , 2020 , 242, 125195	8.4	6
74	China's Clean Air Action has suppressed unfavorable influences of climate on wintertime PM _{2.5} concentrations in Beijing since 2002 2019 ,		2

73	Rapid transition in winter aerosol composition in Beijing from 2014 to 2017: response to clean air actions. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 11485-11499	6.8	109
72	Inequality of household consumption and air pollution-related deaths in China. <i>Nature Communications</i> , 2019 , 10, 4337	17.4	53
71	Inter-model comparison of global hydroxyl radical (OH) distributions and their impact on atmospheric methane over the 2000–2016 period 2019 ,		2
70	The 2005–2016 Trends of Formaldehyde Columns Over China Observed by Satellites: Increasing Anthropogenic Emissions of Volatile Organic Compounds and Decreasing Agricultural Fire Emissions. <i>Geophysical Research Letters</i> , 2019 , 46, 4468-4475	4.9	37
69	Persistent growth of anthropogenic non-methane volatile organic compound (NMVOC) emissions in China during 1990–2017: drivers, speciation and ozone formation potential. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 8897-8913	6.8	122
68	Exploring 2016–2017 surface ozone pollution over China: source contributions and meteorological influences. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 8339-8361	6.8	127
67	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
66	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
65	Global atmospheric carbon monoxide budget 2000–2017 inferred from multi-species atmospheric inversions. <i>Earth System Science Data</i> , 2019 , 11, 1411-1436	10.5	51
64	A global map of emission clumps for future monitoring of fossil fuel CO ₂ emissions from space. <i>Earth System Science Data</i> , 2019 , 11, 687-703	10.5	15
63	Inter-model comparison of global hydroxyl radical (OH) distributions and their impact on atmospheric methane over the 2000–2016 period. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 13701-13723	6.8	30
62	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
61	Decadal changes in anthropogenic source contribution of PM _{2.5} pollution and related health impacts in China, 1990–2015 2019 ,		1
60	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
59	Infrastructure Shapes Differences in the Carbon Intensities of Chinese Cities. <i>Environmental Science & Technology</i> , 2018 , 52, 6032-6041	10.3	25
58	Rapid decline in carbon monoxide emissions and export from East Asia between years 2005 and 2016. <i>Environmental Research Letters</i> , 2018 , 13, 044007	6.2	60
57	Fine-scale application of WRF-CAM5 during a dust storm episode over East Asia: Sensitivity to grid resolutions and aerosol activation parameterizations. <i>Atmospheric Environment</i> , 2018 , 176, 1-20	5.3	8
56	Targeted emission reductions from global super-polluting power plant units. <i>Nature Sustainability</i> , 2018 , 1, 59-68	22.1	125

55	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
54	Comparison and evaluation of anthropogenic emissions of SO ₂ and NO _x over China. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 3433-3456	6.8	34
53	Corrigendum to Anthropogenic emission inventories in China: a review. <i>National Science Review</i> , 2018 , 5, 603-603	10.8	5
52	Spatiotemporal variability of NO ₂ and PM _{2.5} over Eastern China: observational and model analyses with a novel statistical method 2018 ,		1
51	Trends in China's anthropogenic emissions since 2010 as the consequence of clean air actions 2018 ,		6
50	Global Carbon Budget 2018. <i>Earth System Science Data</i> , 2018 , 10, 2141-2194	10.5	831
49	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
48	Global energy growth is outpacing decarbonization. <i>Environmental Research Letters</i> , 2018 , 13, 120401	6.2	119
47	Spatiotemporal variability of NO ₂ 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
46	On the Role of the Flaming to Smoldering Transition in the Seasonal Cycle of African Fire Emissions. <i>Geophysical Research Letters</i> , 2018 , 45, 11,998-12,007	4.9	15
45	City-level climate change mitigation in China. <i>Science Advances</i> , 2018 , 4, eaaq0390	14.3	168
44	Multi-year application of WRF-CAM5 over East Asia-Part I: Comprehensive evaluation and formation regimes of O ₃ and PM _{2.5} . <i>Atmospheric Environment</i> , 2017 , 165, 122-142	5.3	14
43	Transboundary health impacts of transported global air pollution and international trade. <i>Nature</i> , 2017 , 543, 705-709	50.4	501
42	A high-resolution air pollutants emission inventory in 2013 for the Beijing-Tianjin-Hebei region, China. <i>Atmospheric Environment</i> , 2017 , 170, 156-168	5.3	90
41	Evaluation of a multi-scale WRF-CAM5 simulation during the 2010 East Asian Summer Monsoon. <i>Atmospheric Environment</i> , 2017 , 169, 204-217	5.3	3
40	Wintertime aerosol chemistry and haze evolution in an extremely polluted city of North China Plain: significant contribution from coal and biomass combustions 2017 ,		1
39	Comparison and evaluation of anthropogenic emissions of SO ₂ and NO _x over China 2017 ,		1
38	Effects of atmospheric transport and trade on air pollution mortality in China 2017 ,		2

37	Anthropogenic emission inventories in China: a review. <i>National Science Review</i> , 2017 , 4, 834-866	10.8	253
36	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	6.8	117
35	NO emission trends over Chinese cities estimated from OMI observations during 2005 to 2015. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 9261-9275	6.8	114
34	Effects of atmospheric transport and trade on air pollution mortality in China. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 10367-10381	6.8	43
33	Variations of China's emission estimates: response to uncertainties in energy statistics. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 1227-1239	6.8	46
32	Impact of spatial proxies on the representation of bottom-up emission inventories: A satellite-based analysis. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 4131-4145	6.8	42
31	Resolution dependence of uncertainties in gridded emission inventories: a case study in Hebei, China. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 921-933	6.8	57
30	MIX: a mosaic Asian anthropogenic emission inventory under the international collaboration framework of the MICS-Asia and HTAP. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 935-963	6.8	744
29	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
28	Climate change mitigation in Chinese megacities: A measures-based analysis of opportunities in the residential sector. <i>Applied Energy</i> , 2016 , 184, 769-778	10.7	13
27	Reply to Comment on "Fossil Fuel Combustion-Related Emissions Dominate Atmospheric Ammonia Sources during Severe Haze Episodes: Evidence from N-Stable Isotope in Size-Resolved Aerosol Ammonium". <i>Environmental Science & Technology</i> , 2016 , 50, 10767-10768	10.3	4
26	The "Parade Blue": effects of short-term emission control on aerosol chemistry. <i>Faraday Discussions</i> , 2016 , 189, 317-35	3.6	26
25	Fossil Fuel Combustion-Related Emissions Dominate Atmospheric Ammonia Sources during Severe Haze Episodes: Evidence from (15)N-Stable Isotope in Size-Resolved Aerosol Ammonium. <i>Environmental Science & Technology</i> , 2016 , 50, 8049-56	10.3	189
24	Application of Weather Research and Forecasting Model with Chemistry (WRF/Chem) over northern China: Sensitivity study, comparative evaluation, and policy implications. <i>Atmospheric Environment</i> , 2016 , 124, 337-350	5.3	44
23	Variations of China's emission estimates response to uncertainties in energy statistics 2016 ,		6
22	Impact of spatial proxies on the representation of bottom-up emission inventories: A satellite-based analysis 2016 ,		1
21	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
20	Reactive nitrogen chemistry in aerosol water as a source of sulfate during haze events in China. <i>Science Advances</i> , 2016 , 2, e1601530	14.3	608

19	Development of database of real-world diesel vehicle emission factors for China. <i>Journal of Environmental Sciences</i> , 2015 , 31, 209-20	6.4	39
18	Vehicular air pollutant emissions in China: evaluation of past control policies and future perspectives. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2015 , 20, 719-733	3.9	27
17	Source contributions and regional transport of primary particulate matter in China. <i>Environmental Pollution</i> , 2015 , 207, 31-42	9.3	106
16	How will greenhouse gas emissions from motor vehicles be constrained in China around 2030?. <i>Applied Energy</i> , 2015 , 156, 230-240	10.7	70
15	Exploring the severe winter haze in Beijing: the impact of synoptic weather, regional transport and heterogeneous reactions. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 2969-2983	6.8	634
14	High-resolution inventory of technologies, activities, and emissions of coal-fired power plants in China from 1990 to 2010. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 13299-13317	6.8	249
13	Heterogeneous chemistry: a mechanism missing in current models to explain secondary inorganic aerosol formation during the January 2013 haze episode in North China. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 2031-2049	6.8	367
12	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
11	Source contributions of urban PM _{2.5} in the Beijing-Tianjin-Hebei region: Changes between 2006 and 2013 and relative impacts of emissions and meteorology. <i>Atmospheric Environment</i> , 2015 , 123, 229-239	5.3	120
10	High-resolution mapping of vehicle emissions in China in 2008. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 9787-9805	6.8	146
9	Integrating mitigation of air pollutants and greenhouse gases in Chinese cities: development of GAINS-City model for Beijing. <i>Journal of Cleaner Production</i> , 2013 , 58, 25-33	10.3	65
8	Modeling vehicle emissions in different types of Chinese cities: importance of vehicle fleet and local features. <i>Environmental Pollution</i> , 2011 , 159, 2954-60	9.3	72
7	A striking growth of CO ₂ emissions from global cement industry driven by new facilities in emerging countries. <i>Environmental Research Letters</i> ,	6.2	3
6	Unprecedented decline in summertime surface ozone over eastern China in 2020 comparably attributable to anthropogenic emission reductions and meteorology. <i>Environmental Research Letters</i> ,	6.2	7
5	Mapping the drivers of formaldehyde (HCHO) variability from 2015-2019 over eastern China: insights from FTIR observation and GEOS-Chem model simulation		2
4	Supplementary material to "Accelerating methane growth rate from 2010 to 2017: leading contributions from the tropics and East Asia"		2
3	The Global Methane Budget 2000-2017		19
2	Changes in China's anthropogenic emissions during the COVID-19 pandemic		6

1 A global anthropogenic emission inventory of atmospheric pollutants from sector- and fuel-specific sources (1970-2017): An application of the Community Emissions Data System (CEDs)

2