

Fei Liu

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.

43
papers

4,571
citations

25
h-index

67
g-index

71
ext. papers

6,270
ext. citations

8.4
avg, IF

5.42
L-index

#	Paper	IF	Citations
43	A new method for inferring city emissions and lifetimes of nitrogen oxides from high-resolution nitrogen dioxide observations: a model study. <i>Atmospheric Chemistry and Physics</i> , 2022 , 22, 1333-1349	6.8	0
42	Quantifying urban, industrial, and background changes in NO ₂ during the COVID-19 lockdown period based on TROPOMI satellite observations. <i>Atmospheric Chemistry and Physics</i> , 2022 , 22, 4201-4236	6.8	2
41	Drivers of PM _{2.5} air pollution deaths in China 2002–2017. <i>Nature Geoscience</i> , 2021 , 14, 645-650	18.3	30
40	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
39	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
38	Abrupt decline in tropospheric nitrogen dioxide over China after the outbreak of COVID-19. <i>Science Advances</i> , 2020 , 6, eabc2992	14.3	132
37	A methodology to constrain carbon dioxide emissions from coal-fired power plants using satellite observations of co-emitted nitrogen dioxide. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 99-116	6.8	16
36	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
35	Exploiting OMI NO ₂ satellite observations to infer fossil-fuel CO emissions from U.S. megacities. <i>Science of the Total Environment</i> , 2019 , 695, 133805	10.2	17
34	Analyses of mechanically-assembled 3D spiral mesostructures with applications as tunable inductors. <i>Science China Technological Sciences</i> , 2019 , 62, 243-251	3.5	13
33	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
32	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
31	Pinpointing nitrogen oxide emissions from space. <i>Science Advances</i> , 2019 , 5, eaax9800	14.3	47
30	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
29	Decadal changes in anthropogenic source contribution of PM _{2.5} pollution and related health impacts in China, 1990–2015 2019 ,		1
28	Infrastructure Shapes Differences in the Carbon Intensities of Chinese Cities. <i>Environmental Science & Technology</i> , 2018 , 52, 6032-6041	10.3	25
27	Targeted emission reductions from global super-polluting power plant units. <i>Nature Sustainability</i> , 2018 , 1, 59-68	22.1	125

26	Evaluation of modeling NO ₂ concentrations driven by satellite-derived and bottom-up emission inventories using in situ measurements over China. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 4171-4186	6.8	22
25	Corrigendum to Anthropogenic emission inventories in China: a review. <i>National Science Review</i> , 2018 , 5, 603-603	10.8	5
24	Trends in China's anthropogenic emissions since 2010 as the consequence of clean air actions 2018 ,		6
23	A new global anthropogenic SO ₂ emission inventory for the last decade: a mosaic of satellite-derived and bottom-up emissions. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 16571-16586	6.8	45
22	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
21	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
20	Top-Down NO Emissions of European Cities Based on the Downwind Plume of Modelled and Space-Borne Tropospheric NO ₂ Columns. <i>Sensors</i> , 2018 , 18,	3.8	15
19	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
18	Anthropogenic emission inventories in China: a review. <i>National Science Review</i> , 2017 , 4, 834-866	10.8	253
17	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
16	Intercomparison of NO ₂ emission inventories over East Asia. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 10125-10141	6.8	50
15	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
14	Cleaning up the air: effectiveness of air quality policy for SO ₂ and NO ₂ emissions in China. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 1775-1789	6.8	207
13	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
12	NO ₂ lifetimes and emissions of cities and power plants in polluted background estimated by satellite observations. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 5283-5298	6.8	105
11	Variations of China's emission estimates response to uncertainties in energy statistics 2016 ,		6
10	Cleaning up the air: Effectiveness of air quality policy for SO ₂ and NO ₂ emissions in China 2016 ,		3
9	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

8	Life-cycle assessment of greenhouse gas and air emissions of electric vehicles: A comparison between China and the U.S.. <i>Atmospheric Environment</i> , 2015 , 108, 107-116	5.3	98
7	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
6	Satellite measurements oversee China's sulfur dioxide emission reductions from coal-fired power plants. <i>Environmental Research Letters</i> , 2015 , 10, 114015	6.2	69
5	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
4	Climate and environmental effects of electric vehicles versus compressed natural gas vehicles in China: a life-cycle analysis at provincial level. <i>Environmental Science & Technology</i> , 2013 , 47, 1711-8	10.3	25
3	A 400-year record of black carbon flux in the Xisha archipelago, South China Sea and its implication. <i>Marine Pollution Bulletin</i> , 2011 , 62, 2205-12	6.7	22
2	High-resolution inventory of technologies, activities, and emissions of coal-fired power plants in China from 1990 to 2010		17
1	NO ₂ lifetimes and emissions of hotspots in polluted background estimated by satellite observations		3