

Meng Li

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72
papers

5,471
citations

29
h-index

73
g-index

107
ext. papers

7,573
ext. citations

7.8
avg, IF

5.4
L-index

#	Paper	IF	Citations
72	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
71	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
70	Historical (1750-2014) anthropogenic emissions of reactive gases and aerosols from the Community Emissions Data System (CEDS). <i>Geoscientific Model Development</i> , 2018 , 11, 369-408	6.3	585
69	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
68	HTAP_v2.2: a mosaic of regional and global emission grid maps for 2008 and 2010 to study hemispheric transport of air pollution. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 11411-11432	6.8	485
67	Anthropogenic emission inventories in China: a review. <i>National Science Review</i> , 2017 , 4, 834-866	10.8	253
66	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
65	Mapping Asian anthropogenic emissions of non-methane volatile organic compounds to multiple chemical mechanisms. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 5617-5638	6.8	223
64	Targeted emission reductions from global super-polluting power plant units. <i>Nature Sustainability</i> , 2018 , 1, 59-68	22.1	125
63	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
62	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
61	MIX: a mosaic Asian anthropogenic emission inventory for the MICS-Asia and the HTAP projects		75
60	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
59	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
58	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
57	Inequality of household consumption and air pollution-related deaths in China. <i>Nature Communications</i> , 2019 , 10, 4337	17.4	53
56	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

55	Amplification of light absorption of black carbon associated with air pollution. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 9879-9896	6.8	46
54	Contribution of Hydroxymethane Sulfonate to Ambient Particulate Matter: A Potential Explanation for High Particulate Sulfur During Severe Winter Haze in Beijing. <i>Geophysical Research Letters</i> , 2018 , 45, 11,969	4.9	46
53	Air quality and climate change, Topic 3 of the Model Inter-Comparison Study for Asia Phase III (MICS-Asia III) [Part I]: Overview and model evaluation. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 4859-4884	6.8	45
52	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
51	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
50	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
49	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
48	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
47	Model evaluation and intercomparison of surface-level ozone and relevant species in East Asia in the context of MICS-Asia Phase III [Part 1: Overview. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 12993-13015	6.8	33
46	Distinguishing the roles of meteorology, emission control measures, regional transport, and co-benefits of reduced aerosol feedbacks in APEC Blue. <i>Atmospheric Environment</i> , 2017 , 167, 476-486	5.3	30
45	Drivers of PM _{2.5} air pollution deaths in China 2002-2017. <i>Nature Geoscience</i> , 2021 , 14, 645-650	18.3	30
44	MICS-Asia III: overview of model intercomparison and evaluation of acid deposition over Asia. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 2667-2693	6.8	30
43	Infrastructure Shapes Differences in the Carbon Intensities of Chinese Cities. <i>Environmental Science & Technology</i> , 2018 , 52, 6032-6041	10.3	25
42	Evaluation and uncertainty investigation of the NO ₂ , CO and NH ₃ modeling over China under the framework of MICS-Asia III. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 181-202	6.8	24
41	Combined impacts of nitrous acid and nitryl chloride on lower-tropospheric ozone: new module development in WRF-Chem and application to China. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 9733-9750	6.8	22
40	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
39	Contribution of hydroxymethanesulfonate (HMS) to severe winter haze in the North China Plain. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 5887-5897	6.8	19
38	Aerosol pH and chemical regimes of sulfate formation in aerosol water during winter haze in the North China Plain. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 11729-11746	6.8	17

37	High-resolution inventory of technologies, activities, and emissions of coal-fired power plants in China from 1990 to 2010		17
36	Historical (1750–2014) anthropogenic emissions of reactive gases and aerosols from the Community Emission Data System (CEDS) 2017 ,		15
35	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
34	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
33	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
32	Secondary organic aerosols from anthropogenic volatile organic compounds contribute substantially to air pollution mortality. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 11201-11224	6.8	12
31	Relative importance of gas uptake on aerosol and ground surfaces characterized by equivalent uptake coefficients. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 10981-11011	6.8	11
30	Volatile chemical product emissions enhance ozone and modulate urban chemistry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	11
29	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
28	Physicochemical uptake and release of volatile organic compounds by soil in coated-wall flow tube experiments with ambient air. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 2209-2232	6.8	9
27	Species-specified VOC emissions derived from a gridded study in the Pearl River Delta, China. <i>Scientific Reports</i> , 2018 , 8, 2963	4.9	9
26	Model Inter-Comparison Study for Asia (MICS-Asia) phase III: multimodel comparison of reactive nitrogen deposition over China. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 10587-10610	6.8	9
25	Air quality and climate change, Topic 3 of the Model Inter-Comparison Study for Asia Phase III (MICS-Asia III) [Part I]: aerosol radiative effects and aerosol feedbacks. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 1147-1161	6.8	7
24	Multifactor colorimetric analysis on pH-indicator papers: an optimized approach for direct determination of ambient aerosol pH. <i>Atmospheric Measurement Techniques</i> , 2020 , 13, 6053-6065	4	7
23	Space-Based Constraints on Terrestrial Glyoxal Production. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 13,583	4.4	7
22	Trends in China's anthropogenic emissions since 2010 as the consequence of clean air actions 2018 ,		6
21	Variations of China's emission estimates response to uncertainties in energy statistics 2016 ,		6
20	Deriving emission fluxes of volatile organic compounds from tower observation in the Pearl River Delta, China. <i>Science of the Total Environment</i> , 2020 , 741, 139763	10.2	4

19	Model evaluation and inter-comparison of surface-level ozone and relevant species in East Asia in the context of MICS-Asia phase III Part I: overview 2019 ,		3
18	Supplementary material to "Historical (1750-2014) anthropogenic emissions of reactive gases and aerosols from the Community Emission Data System (CEDS)"		3
17	Anthropogenic Emissions of SO ₂ , NO _x , and NH ₃ in China 2020 , 13-40		3
16	Quantifying Methane and Ozone Precursor Emissions from Oil and Gas Production Regions across the Contiguous US. <i>Environmental Science & Technology</i> , 2021 , 55, 9129-9139	10.3	3
15	Aerosol pH and chemical regimes of sulfate formation in aerosol water during winter haze in the North China Plain 2020 ,		2
14	Effects of atmospheric transport and trade on air pollution mortality in China 2017 ,		2
13	Anthropogenic Secondary Organic Aerosols Contribute Substantially to Air Pollution Mortality		2
12	Evaluation and uncertainty investigation of the NO ₂ , CO and NH ₃ modeling over China under the framework of MICS-Asia III 2019 ,		1
11	MICS-Asia III: Overview of model inter-comparison and evaluation of acid deposition over Asia 2019 ,		1
10	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
9	Comparison and evaluation of anthropogenic emissions of SO ₂ and NO _x over China 2017 ,		1
8	Combined Impacts of Nitrous Acid and Nitryl Chloride on Lower Tropospheric Ozone: New Module Development in WRF-Chem and Application to China 2017 ,		1
7	Assessment of Updated Fuel-Based Emissions Inventories Over the Contiguous United States Using TROPOMI NO ₂ Retrievals. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2021JD035484	4-4	1
6	Mapping Asian anthropogenic emissions of non-methane volatile organic compounds to multiple chemical mechanisms		1
5	Decadal changes in anthropogenic source contribution of PM _{2.5} pollution and related health impacts in China, 1990-2015 2019 ,		1
4	Reduction in black carbon light absorption due to multi-pollutant emission control during APEC China 2014 2018 ,		1
3	Physicochemical uptake and release of volatile organic compounds by soil in coated-wall flow tube experiments with ambient air 2018 ,		1
2	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

- 1 A mass-balance-based emission inventory of non-methane volatile organic compounds (NMVOCs) for solvent use in China. *Atmospheric Chemistry and Physics*, **2021**, 21, 13655-13666 6.8 ○