Dan Tong

List of Publications by Year
in descending order

52 papers	8,860 citations	117453 34 h-index	168136 53 g-index
68 all docs	68 docs citations	68 times ranked	6345 citing authors

#	Article	IF	Citations
1	A striking growth of CO_2 emissions from the global cement industry driven by new facilities in emerging countries. Environmental Research Letters, 2022, 17, 044007.	2.2	37
2	Role of climate goals and clean-air policies on reducing future air pollution deaths in China: a modelling study. Lancet Planetary Health, The, 2022, 6, e92-e99.	5.1	44
3	Daily Emission Patterns of Coal-Fired Power Plants in China Based on Multisource Data Fusion. ACS Environmental Au, 2022, 2, 363-372.	3.3	4
4	Air quality and health benefits of China's current and upcoming clean air policies. Faraday Discussions, 2021, 226, 584-606.	1.6	13
5	Carbon and air pollutant emissions from China's cement industry 1990–2015: trends, evolution of technologies, and drivers. Atmospheric Chemistry and Physics, 2021, 21, 1627-1647.	1.9	62
6	Global CO_2 uptake by cement from 1930 to 2019. Earth System Science Data, 2021, 13, 1791-1805.	3.7	35
7	Pathways of China's PM2.5 air quality 2015–2060 in the context of carbon neutrality. National Science Review, 2021, 8, nwab078.	4.6	142
8	Stronger secondary pollution processes despite decrease in gaseous precursors: A comparative analysis of summer 2020 and 2019 in Beijing. Environmental Pollution, 2021, 279, 116923.	3.7	26
9	Comparison of Current and Future $PM_{2.5}$ Air Quality in China Under CMIP6 and DPEC Emission Scenarios. Geophysical Research Letters, 2021, 48, e2021GL093197.	1.5	15
10	Drivers of PM2.5 air pollution deaths in China 2002–2017. Nature Geoscience, 2021, 14, 645-650.	5.4	197
11	Improved spatial representation of a highly resolved emission inventory in China: evidence from TROPOMI measurements. Environmental Research Letters, 2021, 16, 084056.	2.2	9
12	Tracking Air Pollution in China: Near Real-Time $PM_{2.5}$ Retrievals from Multisource Data Fusion. Environmental Science & Technology, 2021, 55, 12106-12115.	4.6	205
13	Air quality benefits of achieving carbon neutrality in China. Science of the Total Environment, 2021, 795, 148784.	3.9	175
14	Geophysical constraints on the reliability of solar and wind power worldwide. Nature Communications, 2021, 12, 6146.	5.8	90
15	Health co-benefits of climate change mitigation depend on strategic power plant retirements and pollution controls. Nature Climate Change, 2021, 11, 1077-1083.	8.1	49
16	Evaporation process dominates vehicular NMVOC emissions in China with enlarged contribution from 1990 to 2016. Environmental Research Letters, 2021, 16, 124036.	2.2	4
17	Committed Emissions of the U.S. Power Sector, 2000–2018. AGU Advances, 2020, 1, e2020AV000162.	2.3	8
18	Decadal changes in anthropogenic source contribution of $PM_{2.5}$ pollution and related health impacts in China, 1990–2015. Atmospheric Chemistry and Physics, 2020, 20, 7783-7799.	1.9	49

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19	Weakening aerosol direct radiative effects mitigate climate penalty on Chinese air quality. Nature Climate Change, 2020, 10, 845-850.	8.1	32
20	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. Atmospheric Chemistry and Physics, 2020, 20, 5729-5757.	1.9	117
21	Developing reliable hourly electricity demand data through screening and imputation. Scientific Data, 2020, 7, 155.	2.4	38
22	Early retirement of power plants in climate mitigation scenarios. Environmental Research Letters, 2020, 15, 094064.	2.2	38
23	Climate effects of China's efforts to improve its air quality. Environmental Research Letters, 2020, 15, 104052.	2.2	16
24	Impact of China's Air Pollution Prevention and Control Action Plan on PM2.5 chemical composition over eastern China. Science China Earth Sciences, 2019, 62, 1872-1884.	2.3	105
25	Energy and emission pathways towards PM2.5 air quality attainment in the Beijing-Tianjin-Hebei region by 2030. Science of the Total Environment, 2019, 692, 361-370.	3.9	45
26	Persistent growth of anthropogenic non-methane volatile organic compound (NMVOC) emissions in China during 1990–2017: drivers, speciation and ozone formation potential. Atmospheric Chemistry and Physics, 2019, 19, 8897-8913.	1.9	267
27	Committed emissions from existing energy infrastructure jeopardize 1.5‰°C climate target. Nature, 2019, 572, 373-377.	13.7	484
28	Rapid improvement of PM2.5 pollution and associated health benefits in China during 2013–2017. Science China Earth Sciences, 2019, 62, 1847-1856.	2.3	146
29	Air quality and health benefits of China's emission control policies on coal-fired power plants during 2005–2020. Environmental Research Letters, 2019, 14, 094016.	2.2	73
30	Modeling the aging process of black carbon during atmospheric transport using a new approach: a case study in Beijing. Atmospheric Chemistry and Physics, 2019, 19, 9663-9680.	1.9	17
31	Impacts of climate change on future air quality and human health in China. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17193-17200.	3.3	219
32	Dominant role of emission reduction in PM<sub>2.5</sub> air quality improvement in Beijing during 2013–2017: a model-based decomposition analysis. Atmospheric Chemistry and Physics, 2019, 19, 6125-6146.	1.9	280
33	Air pollution characteristics and their relationship with emissions and meteorology in the Yangtze River Delta region during 2014–2016. Journal of Environmental Sciences, 2019, 83, 8-20.	3.2	123
34	Drivers of improved PM 2.5 air quality in China from 2013 to 2017. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24463-24469.	3.3	1,193
35	Spatiotemporal continuous estimates of PM2.5 concentrations in China, 2000–2016: A machine learning method with inputs from satellites, chemical transport model, and ground observations. Environment International, 2019, 123, 345-357.	4.8	207
36	Infrastructure Shapes Differences in the Carbon Intensities of Chinese Cities. Environmental Science & Technology, 2018, 52, 6032-6041.	4.6	30

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37	Enhancement of $PM_{2.5}$ Concentrations by Aerosol–Meteorology Interactions Over China. Journal of Geophysical Research D: Atmospheres, 2018, 123, 1179-1194.	1.2	51
38	Targeted emission reductions from global super-polluting power plant units. Nature Sustainability, 2018, 1, 59-68.	11.5	215
39	Trends in China's anthropogenic emissions since 2010 as the consequence of clean air actions. Atmospheric Chemistry and Physics, 2018, 18, 14095-14111.	1.9	1,613
40	Spatial and temporal changes in SO_2 regimes over China in the recent decade and the driving mechanism. Atmospheric Chemistry and Physics, 2018, 18, 18063-18078.	1.9	44
41	Current Emissions and Future Mitigation Pathways of Coal-Fired Power Plants in China from 2010 to 2030. Environmental Science & Technology, 2018, 52, 12905-12914.	4.6	122
42	Reduction in black carbon light absorption due to multi-pollutant emission control during APEC China 2014. Atmospheric Chemistry and Physics, 2018, 18, 10275-10287.	1.9	20
43	Corrigendum to Anthropogenic emission inventories in China: a review. National Science Review, 2018, 5, 603-603.	4.6	12
44	Transboundary health impacts of transported global air pollution and international trade. Nature, 2017, 543, 705-709.	13.7	737
45	Air quality improvements and health benefits from China's clean air action since 2013. Environmental Research Letters, 2017, 12, 114020.	2.2	213
46	Anthropogenic emission inventories in China: a review. National Science Review, 2017, 4, 834-866.	4.6	580
47	NO_x emission trends over Chinese cities estimated from OMI observations during 2005 to 2015. Atmospheric Chemistry and Physics, 2017, 17, 9261-9275.	1.9	146
48	Chemical composition of ambient $PM_{2.5}$ over China and relationship to precursor emissions during 2005–2012. Atmospheric Chemistry and Physics, 2017, 17, 9187-9203.	1.9	117
49	Resolution dependence of uncertainties in gridded emission inventories: a case study in Hebei, China. Atmospheric Chemistry and Physics, 2017, 17, 921-933.	1.9	88
50	Recent reduction in NO_x emissions over China: synthesis of satellite observations and emission inventories. Environmental Research Letters, 2016, 11, 114002.	2.2	207
51	Global climate forcing of aerosols embodied in international trade. Nature Geoscience, 2016, 9, 790-794.	5.4	79
52	Effect ofl-Threonine Concentrations on Acetaldehyde Production andglyAGene Expression in Fermented Milk byStreptococcus thermophilus. Food Biotechnology, 2012, 26, 280-292.	0.6	4