

# Min Xie

## List of Publications by Year in descending order

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58  
papers

2,152  
citations

212478

28  
h-index

274796

44  
g-index

66  
all docs

66  
docs citations

66  
times ranked

2338  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impacts of aerosol-radiation feedback on local air quality during a severe haze episode in Nanjing megacity, eastern China. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 69, 1339548.	0.8	40
2	Land use and anthropogenic heat modulate ozone by meteorology: a perspective from the Yangtze River Delta region. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 1351-1371.	1.9	23
3	Spatial-temporal characteristics of particulate matters and different formation mechanisms of four typical haze cases in a mountain city. <i>Atmospheric Environment</i> , 2022, 269, 118868.	1.9	7
4	Exploring the link between ozone pollution and stratospheric intrusion under the influence of tropical cyclone Ampil. <i>Science of the Total Environment</i> , 2022, 828, 154261.	3.9	0
5	Characteristics and Source Apportionment of Size-Fractionated Particulate Matter at Ground and above the Urban Canopy (380 m) in Nanjing, China. <i>Atmosphere</i> , 2022, 13, 883.	1.0	0
6	Impact of atmospheric thermodynamic structures and aerosol radiation feedback on winter regional persistent heavy particulate pollution in the Sichuan-Chongqing region, China. <i>Science of the Total Environment</i> , 2022, 842, 156575.	3.9	9
7	Drivers for the poor air quality conditions in North China Plain during the COVID-19 outbreak. <i>Atmospheric Environment</i> , 2021, 246, 118103.	1.9	54
8	Rising surface ozone in China from 2013 to 2017: A response to the recent atmospheric warming or pollutant controls?. <i>Atmospheric Environment</i> , 2021, 246, 118130.	1.9	36
9	Surface Ozone in the Yangtze River Delta, China: A Synthesis of Basic Features, Meteorological Driving Factors, and Health Impacts. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033600.	1.2	24
10	Ozone variability induced by synoptic weather patterns in warm seasons of 2014–2018 over the Yangtze River Delta region, China. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 5847-5864.	1.9	24
11	Adjusting prediction of ozone concentration based on CMAQ model and machine learning methods in Sichuan-Chongqing region, China. <i>Atmospheric Pollution Research</i> , 2021, 12, 101066.	1.8	25
12	Characterization and source analysis of water-soluble inorganic ionic species in PM <sub>2.5</sub> during a wintertime particle pollution episode in Nanjing, China. <i>Atmospheric Research</i> , 2021, 262, 105769.	1.8	16
13	Subseasonal characteristics and meteorological causes of surface O <sub>3</sub> in different East Asian summer monsoon periods over the North China Plain during 2014–2019. <i>Atmospheric Environment</i> , 2021, 264, 118704.	1.9	8
14	Spatiotemporal Variability of Air Stagnation and its Relation to Summertime Ozone in the Yangtze River Delta of China. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	2
15	Importance of Bias Correction in Data Assimilation of Multiple Observations Over Eastern China Using WRF-Chem/DART. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031465.	1.2	18
16	Vertical structure and interaction of ozone and fine particulate matter in spring at Nanjing, China: The role of aerosol's radiation feedback. <i>Atmospheric Environment</i> , 2020, 222, 117162.	1.9	22
17	Summertime ozone pollution in the Yangtze River Delta of eastern China during 2013–2017: Synoptic impacts and source apportionment. <i>Environmental Pollution</i> , 2020, 257, 113631.	3.7	78
18	Systematic classification of circulation patterns and integrated analysis of their effects on different ozone pollution levels in the Yangtze River Delta Region, China. <i>Atmospheric Environment</i> , 2020, 242, 117760.	1.9	28

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19	Impacts of atmospheric transport and biomass burning on the inter-annual variation in black carbon aerosols over the Tibetan Plateau. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 13591-13610.	1.9	14
20	Ozone affected by a succession of four landfall typhoons in the Yangtze River Delta, China: major processes and health impacts. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 13781-13799.	1.9	21
21	Regional Climate Responses in East Asia to the Black Carbon Aerosol Direct Effects from India and China in Summer. <i>Journal of Climate</i> , 2020, 33, 9783-9800.	1.2	9
22	Spatiotemporal distribution of anthropogenic aerosols in China around 2030. <i>Theoretical and Applied Climatology</i> , 2019, 138, 2007-2020.	1.3	0
23	Modeling the Effects of Climate Change on Surface Ozone during Summer in the Yangtze River Delta Region, China. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1528.	1.2	10
24	Multiconstituent Data Assimilation With WRF-Chem/DART: Potential for Adjusting Anthropogenic Emissions and Improving Air Quality Forecasts Over Eastern China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 7393-7412.	1.2	46
25	Characteristics of ozone and particles in the near-surface atmosphere in the urban area of the Yangtze River Delta, China. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 4153-4175.	1.9	41
26	Formation and Evolution Mechanisms for Two Extreme Haze Episodes in the Yangtze River Delta Region of China During Winter 2016. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 3607-3623.	1.2	43
27	Synoptic weather patterns and their impacts on regional particle pollution in the city cluster of the Sichuan Basin, China. <i>Atmospheric Environment</i> , 2019, 208, 34-47.	1.9	37
28	Episode study of fine particle and ozone during the CAPUM-YRD over Yangtze River Delta of China: Characteristics and source attribution. <i>Atmospheric Environment</i> , 2019, 203, 87-101.	1.9	46
29	The optical properties, physical properties and direct radiative forcing of urban columnar aerosols in the Yangtze River Delta, China. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 1419-1436.	1.9	22
30	Source Apportionment of PM <sub>2.5</sub> during Haze and Non-Haze Episodes in Wuxi, China. <i>Atmosphere</i> , 2018, 9, 267.	1.0	2
31	Agricultural Fire Impacts on Ozone Photochemistry Over the Yangtze River Delta Region, East China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 6605-6623.	1.2	19
32	A modeling study on the effect of urban land surface forcing to regional meteorology and air quality over South China. <i>Atmospheric Environment</i> , 2017, 152, 389-404.	1.9	41
33	An agricultural biomass burning episode in eastern China: Transport, optical properties, and impacts on regional air quality. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 2304-2324.	1.2	31
34	Modeling of a severe dust event and its impacts on ozone photochemistry over the downstream Nanjing megacity of eastern China. <i>Atmospheric Environment</i> , 2017, 160, 107-123.	1.9	25
35	Improved meteorology and ozone air quality simulations using MODIS land surface parameters in the Yangtze River Delta urban cluster, China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 3116-3140.	1.2	31
36	Natural emissions under future climate condition and their effects on surface ozone in the Yangtze River Delta region, China. <i>Atmospheric Environment</i> , 2017, 150, 162-180.	1.9	29

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37	Modeling of urban heat island and its impacts on thermal circulations in the Beijing-Tianjin-Hebei region, China. <i>Theoretical and Applied Climatology</i> , 2017, 128, 999-1013.	1.3	34
38	Source apportionment of size-fractionated particles during the 2013 Asian Youth Games and the 2014 Youth Olympic Games in Nanjing, China. <i>Science of the Total Environment</i> , 2017, 579, 860-870.	3.9	24
39	Regional severe particle pollution and its association with synoptic weather patterns in the Yangtze River Delta region, China. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 12871-12891.	1.9	80
40	The surface aerosol optical properties in the urban area of Nanjing, west Yangtze River Delta, China. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 1143-1160.	1.9	34
41	Characterization of major natural and anthropogenic source profiles for size-fractionated PM in Yangtze River Delta. <i>Science of the Total Environment</i> , 2017, 598, 135-145.	3.9	44
42	Impact of aerosols on regional climate in southern and northern China during strong/weak East Asian summer monsoon years. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 4069-4081.	1.2	26
43	Changes in regional meteorology induced by anthropogenic heat and their impacts on air quality in South China. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 15011-15031.	1.9	47
44	Integrated studies of a regional ozone pollution synthetically affected by subtropical high and typhoon system in the Yangtze River Delta region, China. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 15801-15819.	1.9	87
45	Modeling of the anthropogenic heat flux and its effect on regional meteorology and air quality over the Yangtze River Delta region, China. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 6071-6089.	1.9	84
46	Temporal characterization and regional contribution to O <sub>3</sub> and NO <sub>x</sub> at an urban and a suburban site in Nanjing, China. <i>Science of the Total Environment</i> , 2016, 551-552, 533-545.	3.9	77
47	Observed aerosol optical depth and angstrom exponent in urban area of Nanjing, China. <i>Atmospheric Environment</i> , 2015, 123, 350-356.	1.9	37
48	WRF/Chem modeling of the impacts of urban expansion on regional climate and air pollutants in Yangtze River Delta, China. <i>Atmospheric Environment</i> , 2015, 106, 204-214.	1.9	83
49	Temporal characteristics of atmospheric CO <sub>2</sub> in urban Nanjing, China. <i>Atmospheric Research</i> , 2015, 153, 437-450.	1.8	28
50	Chemical Mass Balance Source Apportionment of Size-Fractionated Particulate Matter in Nanjing, China. <i>Aerosol and Air Quality Research</i> , 2015, 15, 1855-1867.	0.9	21
51	Application of photochemical indicators to evaluate ozone nonlinear chemistry and pollution control countermeasure in China. <i>Atmospheric Environment</i> , 2014, 99, 466-473.	1.9	56
52	Impacts of different urban canopy schemes in WRF/Chem on regional climate and air quality in Yangtze River Delta, China. <i>Atmospheric Research</i> , 2014, 145-146, 226-243.	1.8	99
53	Investigation on semi-direct and indirect climate effects of fossil fuel black carbon aerosol over China. <i>Theoretical and Applied Climatology</i> , 2013, 114, 651-672.	1.3	44
54	Regional modeling of secondary organic aerosol over China using WRF/Chem. <i>Journal of Aerosol Science</i> , 2012, 43, 57-73.	1.8	114

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55	Characterization of visibility and its affecting factors over Nanjing, China. Atmospheric Research, 2011, 101, 681-691.	1.8	126
56	Investigations on direct and indirect effect of nitrate on temperature and precipitation in China using a regional climate chemistry modeling system. Journal of Geophysical Research, 2010, 115, .	3.3	25
57	Methane emissions from terrestrial plants over China and their effects on methane concentrations in lower troposphere. Science Bulletin, 2009, 54, 304-310.	4.3	11
58	Numerical modeling of a continuous photochemical pollution episode in Hong Kong using WRFâ€‘chem. Atmospheric Environment, 2008, 42, 8717-8727.	1.9	89