Yiming Liu

List of Publications by Citations

31 papers	699 citations	13 h-index	26 g-index
39 ext. papers	1,094 ext. citations	6.6 avg, IF	5.06 L-index

#	Paper	IF	Citations
31	Exploring 2016–2017 surface ozone pollution over China: source contributions and meteorological influences. *Atmospheric Chemistry and Physics*, **2019**, 19, 8339-8361	6.8	127
30	Worsening urban ozone pollution in China from 2013 to 2017 – Part 1: The complex and varying roles of meteorology. *Atmospheric Chemistry and Physics*, **2020**, 20, 6305-6321	6.8	86
29	Persistent Heavy Winter Nitrate Pollution Driven by Increased Photochemical Oxidants in Northern China. *Environmental Science & Technology*, **2020**, 54, 3881-3889	10.3	85
28	Worsening urban ozone pollution in China from 2013 to 2017 – Part 2: The effects of emission changes and implications for multi-pollutant control. *Atmospheric Chemistry and Physics*, **2020**, 20, 6323-6337	6.8	74
27	Modeling the impact of chlorine emissions from coal combustion and prescribed waste incineration on tropospheric ozone formation in China. *Atmospheric Chemistry and Physics*, **2018**, 18, 2709-2724	6.8	35
26	Process analysis of regional aerosol pollution during spring in the Pearl River Delta region, China. *Atmospheric Environment*, **2015**, 122, 829-838	5.3	31
25	Summertime ozone pollution in Sichuan Basin, China: Meteorological conditions, sources and process analysis. *Atmospheric Environment*, **2020**, 226, 117392	5.3	30
24	High-resolution sampling and analysis of ambient particulate matter in the Pearl River Delta region of southern China: source apportionment and health risk implications. *Atmospheric Chemistry and Physics*, **2018**, 18, 2049-2064	6.8	27
23	Global Changes in Secondary Atmospheric Pollutants During the 2020 COVID-19 Pandemic. *Journal of Geophysical Research D: Atmospheres*, **2021**, 126, e2020JD034213	4.4	26
22	Source-receptor relationships for PM during typical pollution episodes in the Pearl River Delta city cluster, China. *Science of the Total Environment*, **2017**, 596-597, 194-206	10.2	24
21	Vehicle emissions in a middle-sized city of China: Current status and future trends. *Environment International*, **2020**, 137, 105514	12.9	21
20	Factors dominating 3-dimensional ozone distribution during high tropospheric ozone period. *Environmental Pollution*, **2018**, 232, 55-64	9.3	17
19	Accessing the Impact of Sea-Salt Emissions on Aerosol Chemical Formation and Deposition over Pearl River Delta, China. *Aerosol and Air Quality Research*, **2015**, 15, 2232-2245	4.6	17
18	Why do models perform differently on particulate matter over East Asia? A multi-model intercomparison study for MICS-Asia III. *Atmospheric Chemistry and Physics*, **2020**, 20, 7393-7410	6.8	13
17	Effect of different meteorological fields on the regional air quality modelling over Pearl River Delta, China. *International Journal of Environment and Pollution*, **2013**, 53, 3	0.7	12
16	Atmospheric nitrous acid (HONO) at a rural coastal site in North China: Seasonal variations and effects of biomass burning. *Atmospheric Environment*, **2020**, 229, 117429	5.3	11
15	Ozone Anomalies in the Free Troposphere During the COVID-19 Pandemic. *Geophysical Research Letters*, **2021**, 48, e2021GL094204	4.9	11

14	Impact of Land-Use Change on Atmospheric Environment Using Refined Land Surface Properties in the Pearl River Delta, China. *Advances in Meteorology*, **2016**, 2016, 1-15	1.7	10
13	Diverse response of surface ozone to COVID-19 lockdown in China. *Science of the Total Environment*, **2021**, 789, 147739	10.2	10
12	The role of anthropogenic chlorine emission in surface ozone formation during different seasons over eastern China. *Science of the Total Environment*, **2020**, 723, 137697	10.2	9
11	The impact of sea-salt chloride on ozone through heterogeneous reaction with N2O5 in a coastal region of south China. *Atmospheric Environment*, **2020**, 236, 117604	5.3	6
10	Diagnostic Analysis of the Sulfate Aerosol Pollution in Spring over Pearl River Delta, China. *Aerosol and Air Quality Research*, **2015**, 15, 46-57	4.6	5
9	Role of Heat Wave-Induced Biogenic VOC Enhancements in Persistent Ozone Episodes Formation in Pearl River Delta. *Journal of Geophysical Research D: Atmospheres*, **2021**, 126, e2020JD034317	4.4	3
8	Modeling Ammonia and Its Uptake by Secondary Organic Aerosol Over China. *Journal of Geophysical Research D: Atmospheres*, **2021**, 126, e2020JD034109	4.4	2
7	Worsening urban ozone pollution in China from 2013 to 2017 Part 1: The complex and varying roles of meteorology **2020**,		1
6	Drivers of 2013-2020 ozone trends in the Sichuan Basin, China: Impacts of meteorology and precursor emission changes.. *Environmental Pollution*, **2022**, 118914	9.3	1
5	Spatializing the roughness length of heterogeneous urban underlying surfaces to improve the WRF simulation-part 1: A review of morphological methods and model evaluation. *Atmospheric Environment*, **2021**, 118874	5.3	1
4	Investigating the sources of atmospheric nitrous acid (HONO) in the megacity of Beijing, China.. *Science of the Total Environment*, **2021**, 812, 152270	10.2	1
3	Regional modeling of secondary organic aerosol formation over eastern China: The impact of uptake coefficients of dicarbonyls and semivolatile process of primary organic aerosol. *Science of the Total Environment*, **2021**, 793, 148176	10.2	1
2	Isoprene Emissions Response to Drought and the Impacts on Ozone and SOA in China. *Journal of Geophysical Research D: Atmospheres*, **2021**, 126, e2020JD033263	4.4	0
1	Nitrous acid in the polluted coastal atmosphere of the South China Sea: Ship emissions, budgets, and impacts.. *Science of the Total Environment*, **2022**, 153692	10.2	