Men Xia

List of Publications by Year
in descending order

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23 papers	688 citations	567144 15 h-index	642610 23 g-index
42 all docs	42 docs citations	42 times ranked	851 citing authors

#	Article	IF	Citations
1	The significant contribution of HONO to secondary pollutants during a severe winter pollution event in southern China. Atmospheric Chemistry and Physics, 2019, 19, 1-14.	1.9	109
2	Nitrate formation from heterogeneous uptake of dinitrogen pentoxide during a severe winter haze in southern China. Atmospheric Chemistry and Physics, 2018, 18, 17515-17527.	1.9	76
3	Abundance and origin of fine particulate chloride in continental China. Science of the Total Environment, 2018, 624, 1041-1051.	3.9	58
4	Vehicle emissions in a middle-sized city of China: Current status and future trends. Environment International, 2020, 137, 105514.	4.8	46
5	An unexpected large continental source of reactive bromine and chlorine with significant impact on wintertime air quality. National Science Review, 2021, 8, nwaa304.	4.6	42
6	Pathways of conversion of nitrogen oxides by nano TiO2 incorporated in cement-based materials. Building and Environment, 2018, 144, 412-418.	3.0	36
7	Characterization of organic aerosols and their precursors in southern China during a severe haze episode in January 2017. Science of the Total Environment, 2019, 691, 101-111.	3.9	33
8	Heterogeneous N₂O₅ reactions on atmospheric aerosols at four Chinese sites: improving model representation of uptake parameters. Atmospheric Chemistry and Physics, 2020, 20, 4367-4378.	1.9	33
9	Significant production of ClNO₂ and possible source of Cl₂ from N₂O₅ uptake at a suburban site in eastern China. Atmospheric Chemistry and Physics, 2020, 20, 6147-6158.	1.9	29
10	Impact of reduced anthropogenic emissions during COVID-19 on air quality in India. Atmospheric Chemistry and Physics, 2021, 21, 4025-4037.	1.9	28
11	Photodissociation of particulate nitrate as a source of daytime tropospheric Cl2. Nature Communications, 2022, 13, 939.	5.8	26
12	Chemical characteristics of cloud water and the impacts on aerosol properties at a subtropical mountain site in Hong Kong SAR. Atmospheric Chemistry and Physics, 2020, 20, 391-407.	1.9	25
13	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.	1.9	20
14	Secondary Formation and Impacts of Gaseous Nitro-Phenolic Compounds in the Continental Outflow Observed at a Background Site in South China. Environmental Science & Technology, 2022, 56, 6933-6943.	4.6	20
15	Heterogeneous Uptake of N2O5 in Sand Dust and Urban Aerosols Observed during the Dry Season in Beijing. Atmosphere, 2019, 10, 204.	1.0	16
16	Investigating the sources of atmospheric nitrous acid (HONO) in the megacity of Beijing, China. Science of the Total Environment, 2022, 812, 152270.	3.9	14
17	Photoinduced Production of Chlorine Molecules from Titanium Dioxide Surfaces Containing Chloride. Environmental Science and Technology Letters, 2020, 7, 70-75.	3.9	12
18	Unexpected enhancement of ozone exposure and health risks during National Day in China. Atmospheric Chemistry and Physics, 2021, 21, 10347-10356.	1.9	11

#	Article	IF	Citations
19	Observations by Ground-Based MAX-DOAS of the Vertical Characters of Winter Pollution and the Influencing Factors of HONO Generation in Shanghai, China. Remote Sensing, 2021, 13, 3518.	1.8	8
20	Winter ClNO₂ formation in the region of fresh anthropogenic emissions: seasonal variability and insights into daytime peaks in northern China. Atmospheric Chemistry and Physics, 2021, 21, 15985-16000.	1.9	8
21	Large Daytime Molecular Chlorine Missing Source at a Suburban Site in East China. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	1.2	6
22	Nitrous acid in the polluted coastal atmosphere of the South China Sea: Ship emissions, budgets, and impacts. Science of the Total Environment, 2022, 826, 153692.	3.9	5
23	An in situ flow tube system for direct measurement of N₂O₅ heterogeneous uptake coefficients in polluted environments. Atmospheric Measurement Techniques, 2018, 11, 5643-5655.	1.2	4