

Michael Priestley

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

873
citations

686830

13
h-index

713013

21
g-index

47
all docs

47
docs citations

47
times ranked

1418
citing authors

#	ARTICLE	IF	CITATIONS
1	Secondary organic aerosol reduced by mixture of atmospheric vapours. <i>Nature</i> , 2019, 565, 587-593.	13.7	222
2	Multi-generation OH oxidation as a source for highly oxygenated organic molecules from aromatics. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 515-537.	1.9	78
3	Online Chemical Characterization of Food-Cooking Organic Aerosols: Implications for Source Apportionment. <i>Environmental Science & Technology</i> , 2018, 52, 5308-5318.	4.6	76
4	Production of N_2O and ClNO_2 in summer in urban Beijing, China. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 11581-11597.	1.9	57
5	Chlorine oxidation of VOCs at a semi-rural site in Beijing: significant chlorine liberation from ClNO_2 and subsequent gas- and particle-phase $\text{Cl}^{\text{v}}\text{VOC}$ production. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 13013-13030.	1.9	54
6	Ambient nitro-aromatic compounds – biomass burning versus secondary formation in rural China. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 1389-1406.	1.9	46
7	Intercomparison of nitrous acid (HONO) measurement techniques in a megacity (Beijing). <i>Atmospheric Measurement Techniques</i> , 2019, 12, 6449-6463.	1.2	44
8	A method for extracting calibrated volatility information from the FIGAERO-HR-ToF-CIMS and its experimental application. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 1429-1439.	1.2	42
9	Observations of organic and inorganic chlorinated compounds and their contribution to chlorine radical concentrations in an urban environment in northern Europe during the wintertime. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 13481-13493.	1.9	41
10	Evaluation of the chemical composition of gas- and particle-phase products of aromatic oxidation. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 9783-9803.	1.9	39
11	Observations of Isocyanate, Amide, Nitrate, and Nitro Compounds From an Anthropogenic Biomass Burning Event Using a ToF-CIMS. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 7687-7704.	1.2	32
12	Simultaneous aerosol mass spectrometry and chemical ionisation mass spectrometry measurements during a biomass burning event in the UK: insights into nitrate chemistry. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 4093-4111.	1.9	30
13	The effect of structure and isomerism on the vapor pressures of organic molecules and its potential atmospheric relevance. <i>Aerosol Science and Technology</i> , 2019, 53, 1040-1055.	1.5	16
14	Chemical characterisation of benzene oxidation products under high- and low- NO_x conditions using chemical ionisation mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 3473-3490.	1.9	16
15	Gas to Particle Partitioning of Organic Acids in the Boreal Atmosphere. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 1279-1287.	1.2	13
16	Using highly time-resolved online mass spectrometry to examine biogenic and anthropogenic contributions to organic aerosol in Beijing. <i>Faraday Discussions</i> , 2021, 226, 382-408.	1.6	13
17	GenChem v1.0 – a chemical pre-processing and testing system for atmospheric modelling. <i>Geoscientific Model Development</i> , 2020, 13, 6447-6465.	1.3	13
18	A Large Source of Atomic Chlorine From ClNO_2 Photolysis at a U.K. Landfill Site. <i>Geophysical Research Letters</i> , 2019, 46, 8508-8516.	1.5	11

#	ARTICLE	IF	CITATIONS
19	Emissions and Secondary Formation of Air Pollutants from Modern Heavy-Duty Trucks in Real-World Traffic – Chemical Characteristics Using On-Line Mass Spectrometry. Environmental Science & Technology, 2021, 55, 14515-14525.	4.6	11
20	A Four Carbon Organonitrate as a Significant Product of Secondary Isoprene Chemistry. Geophysical Research Letters, 2022, 49, .	1.5	8
21	Technical note: A new approach to discriminate different black carbon sources by utilising fullerene and metals in positive matrix factorisation analysis of high-resolution soot particle aerosol mass spectrometer data. Atmospheric Chemistry and Physics, 2021, 21, 10763-10777.	1.9	3