

Freya A Squires

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

717
citations

623734

14
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713466

21
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44
all docs

44
docs citations

44
times ranked

1233
citing authors

#	ARTICLE	IF	CITATIONS
1	Insights into air pollution chemistry and sulphate formation from nitrous acid (HONO) measurements during haze events in Beijing. <i>Faraday Discussions</i> , 2021, 226, 223-238.	3.2	9
2	Direct measurements of black carbon fluxes in central Beijing using the eddy covariance method. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 147-162.	4.9	6
3	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.	3.2	13
4	Ozone production and precursor emission from wildfires in Africa. <i>Environmental Science Atmospheres</i> , 2021, 1, 524-542.	2.4	4
5	Key Role of NO ₃ Radicals in the Production of Isoprene Nitrates and Nitroxyorganosulfates in Beijing. <i>Environmental Science & Technology</i> , 2021, 55, 842-853.	10.0	18
6	Low-NO atmospheric oxidation pathways in a polluted megacity. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 1613-1625.	4.9	24
7	Evaluating the sensitivity of radical chemistry and ozone formation to ambient VOCs and NO _x in Beijing. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 2125-2147.	4.9	64
8	Observations of speciated isoprene nitrates in Beijing: implications for isoprene chemistry. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 6315-6330.	4.9	4
9	Measurements of traffic-dominated pollutant emissions in a Chinese megacity. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 8737-8761.	4.9	33
10	Strong anthropogenic control of secondary organic aerosol formation from isoprene in Beijing. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 7531-7552.	4.9	35
11	Street-scale air quality modelling for Beijing during a winter 2016 measurement campaign. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 2755-2780.	4.9	31
12	Investigating the regional contributions to air pollution in Beijing: a dispersion modelling study using CO as a tracer. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 2825-2838.	4.9	14
13	Elevated levels of OH observed in haze events during wintertime in central Beijing. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 14847-14871.	4.9	62
14	Surface-atmosphere fluxes of volatile organic compounds in Beijing. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 15101-15125.	4.9	13
15	Role of Ammonia on the Feedback Between AWC and Inorganic Aerosol Formation During Heavy Pollution in the North China Plain. <i>Earth and Space Science</i> , 2019, 6, 1675-1693.	2.6	44
16	Characterising low-cost sensors in highly portable platforms to quantify personal exposure in diverse environments. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 4643-4657.	3.1	74
17	Contrasting physical properties of black carbon in urban Beijing between winter and summer. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 6749-6769.	4.9	89
18	Improved aerosol correction for OMI tropospheric NO ₂ retrieval over East Asia: constraint from CALIOP aerosol vertical profile. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 1-21.	3.1	75

#	ARTICLE	IF	CITATIONS
19	An improved low-power measurement of ambient NO ₂ and O ₃ ; combining electrochemical sensor clusters and machine learning. Atmospheric Measurement Techniques, 2019, 12, 1325-1336.	3.1	30
20	Observations of highly oxidized molecules and particle nucleation in the atmosphere of Beijing. Atmospheric Chemistry and Physics, 2019, 19, 14933-14947.	4.9	26
21	Clustering approaches to improve the performance of low cost air pollution sensors. Faraday Discussions, 2017, 200, 621-637.	3.2	32