Freya A Squires

List of Publications by Year
in descending order

21 papers	717 citations	623734 14 h-index	713466 21 g-index
44 all docs	44 docs citations	44 times ranked	1233 citing authors

#	Article	IF	Citations
1	Contrasting physical properties of black carbon in urban Beijing between winter and summer. Atmospheric Chemistry and Physics, 2019, 19, 6749-6769.	4.9	89
2	Improved aerosol correction for OMI tropospheric NO₂ retrieval over East Asia: constraint from CALIOP aerosol vertical profile. Atmospheric Measurement Techniques, 2019, 12, 1-21.	3.1	75
3	Characterising low-cost sensors in highly portable platforms to quantify personal exposure in diverse environments. Atmospheric Measurement Techniques, 2019, 12, 4643-4657.	3.1	74
4	Evaluating the sensitivity of radical chemistry and ozone formation to ambient VOCs and NO_{<i>x</i>} in Beijing. Atmospheric Chemistry and Physics, 2021, 21, 2125-2147.	4.9	64
5	Elevated levels of OH observed in haze events during wintertime in central Beijing. Atmospheric Chemistry and Physics, 2020, 20, 14847-14871.	4.9	62
6	Role of Ammonia on the Feedback Between AWC and Inorganic Aerosol Formation During Heavy Pollution in theÂNorthÂChinaÂPlain. Earth and Space Science, 2019, 6, 1675-1693.	2.6	44
7	Strong anthropogenic control of secondary organic aerosol formation from isoprene in Beijing. Atmospheric Chemistry and Physics, 2020, 20, 7531-7552.	4.9	35
8	Measurements of traffic-dominated pollutant emissions in a Chinese megacity. Atmospheric Chemistry and Physics, 2020, 20, 8737-8761.	4.9	33
9	Clustering approaches to improve the performance of low cost air pollution sensors. Faraday Discussions, 2017, 200, 621-637.	3.2	32
10	Street-scale air quality modelling for Beijing during a winter 2016 measurement campaign. Atmospheric Chemistry and Physics, 2020, 20, 2755-2780.	4.9	31
11	An improved low-power measurement of ambient NO₂ and O₃ combining electrochemical sensor clusters and machine learning. Atmospheric Measurement Techniques, 2019, 12, 1325-1336.	3.1	30
12	Observations of highly oxidized molecules and particle nucleation in the atmosphere of Beijing. Atmospheric Chemistry and Physics, 2019, 19, 14933-14947.	4.9	26
13	Low-NO atmospheric oxidation pathways in a polluted megacity. Atmospheric Chemistry and Physics, 2021, 21, 1613-1625.	4.9	24
14	Key Role of NO₃ Radicals in the Production of Isoprene Nitrates and Nitrooxyorganosulfates in Beijing. Environmental Science & Technology, 2021, 55, 842-853.	10.0	18
15	Investigating the regional contributions to air pollution in Beijing: aÂdispersion modelling study using CO as aÂtracer. Atmospheric Chemistry and Physics, 2020, 20, 2825-2838.	4.9	14
16	Using highly time-resolved online mass spectrometry to examine biogenic and anthropogenic contributions to organic aerosol in Beijing. Faraday Discussions, 2021, 226, 382-408.	3.2	13
17	Surfaceâ€"atmosphere fluxes of volatile organic compounds in Beijing. Atmospheric Chemistry and Physics, 2020, 20, 15101-15125.	4.9	13
18	Insights into air pollution chemistry and sulphate formation from nitrous acid (HONO) measurements during haze events in Beijing. Faraday Discussions, 2021, 226, 223-238.	3.2	9

#	Article	IF	Citations
19	Direct measurements of black carbon fluxes in central Beijing using the eddy covariance method. Atmospheric Chemistry and Physics, 2021, 21, 147-162.	4.9	6
20	Ozone production and precursor emission from wildfires in Africa. Environmental Science Atmospheres, 2021, 1, 524-542.	2.4	4
21	Observations of speciated isoprene nitrates in Beijing: implications for isoprene chemistry. Atmospheric Chemistry and Physics, 2021, 21, 6315-6330.	4.9	4