Dongyu S Wang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1220460/publications.pdf

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26	912	623188	552369
papers	citations	14 h-index	26 g-index

57	57	57	1280
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rapid growth of new atmospheric particles by nitric acid and ammonia condensation. Nature, 2020, 581, 184-189.	13.7	169
2	Submicron aerosol composition in the world's most polluted megacity: the Delhi Aerosol Supersite study. Atmospheric Chemistry and Physics, 2019, 19, 6843-6859.	1.9	133
3	Role of iodine oxoacids in atmospheric aerosol nucleation. Science, 2021, 371, 589-595.	6.0	94
4	Molecular understanding of new-particle formation from <i>Î±</i>-pinene between â^'50 and +25â€‰Â°C. Atmospheric Chemistry and Physics, 2020, 20, 9183-9207.	1.9	68
5	Secondary organic aerosol from chlorine-initiated oxidation of isoprene. Atmospheric Chemistry and Physics, 2017, 17, 13491-13508.	1.9	61
6	Chlorine-initiated oxidation of <i>n</i>-alkanes under high-NO_{<i>x</i>} conditions: insights into secondary organic aerosol composition and volatility using a FIGAEROâ€“CIMS. Atmospheric Chemistry and Physics, 2018, 18, 15535-15553.	1.9	53
7	Sources and atmospheric dynamics of organic aerosol in New Delhi, India: insights from receptor modeling. Atmospheric Chemistry and Physics, 2020, 20, 735-752.	1.9	44
8	Realâ€time organic aerosol chemical speciation in the indoor environment using extractive electrospray ionization mass spectrometry. Indoor Air, 2021, 31, 141-155.	2.0	29
9	Structures and reactivity of peroxy radicals and dimeric products revealed by online tandem mass spectrometry. Nature Communications, 2021, 12, 300.	5.8	28
10	Synergistic HNO3â€“H2SO4â€“NH3 upper tropospheric particle formation. Nature, 2022, 605, 483-489.	13.7	26
11	Online Aerosol Chemical Characterization by Extractive Electrospray Ionizationâ€“Ultrahigh-Resolution Mass Spectrometry (EESI-Orbitrap). Environmental Science & Technology, 2020, 54, 3871-3880.	4.6	25
12	Measurement of ammonia, amines and iodine compounds using protonated water cluster chemical ionization mass spectrometry. Atmospheric Measurement Techniques, 2020, 13, 2501-2522.	1.2	21
13	RNA oxidation in chromatin modification and DNA-damage response following exposure to formaldehyde. Scientific Reports, 2020, 10, 16545.	1.6	20
14	Post-transcriptional air pollution oxidation to the cholesterol biosynthesis pathway promotes pulmonary stress phenotypes. Communications Biology, 2020, 3, 392.	2.0	18
15	Gas-Phase Chlorine Radical Oxidation of Alkanes: Effects of Structural Branching, NO_x, and Relative Humidity Observed during Environmental Chamber Experiments. Journal of Physical Chemistry A, 2021, 125, 7303-7317.	1.1	13
16	Chemical composition of nanoparticles from <i>Î±</i>-pinene nucleation and the influence of isoprene and relative humidity at low temperature. Atmospheric Chemistry and Physics, 2021, 21, 17099-17114.	1.9	12
17	Highly time-resolved chemical speciation and source apportionment of organic aerosol components in Delhi, India, using extractive electrospray ionization mass spectrometry. Atmospheric Chemistry and Physics, 2022, 22, 7739-7761.	1.9	11
18	Molecular characterization of ultrafine particles using extractive electrospray time-of-flight mass spectrometry. Environmental Science Atmospheres, 2021, 1, 434-448.	0.9	10

#	Article	IF	Citations
19	Constraining the response factors of an extractive electrospray ionization mass spectrometer for near-molecular aerosol speciation. Atmospheric Measurement Techniques, 2021, 14, 6955-6972.	1.2	10
20	Effects of Sources and Meteorology on Ambient Particulate Matter in Austin, Texas. ACS Earth and Space Chemistry, 2020, 4, 602-613.	1.2	9
21	Improved chloride quantification in quadrupole aerosol chemical speciation monitors (Q-ACSMs). Atmospheric Measurement Techniques, 2020, 13, 5293-5301.	1.2	9
22	Survival of newly formed particles in haze conditions. Environmental Science Atmospheres, 2022, 2, 491-499.	0.9	8
23	Effects of aerosol size and coating thickness on the molecular detection using extractive electrospray ionization. Atmospheric Measurement Techniques, 2021, 14, 5913-5923.	1.2	7
24	High-frequency gaseous and particulate chemical characterization using extractive electrospray ionization mass spectrometry (Dual-Phase-EESI-TOF). Atmospheric Measurement Techniques, 2022, 15, 3747-3760.	1.2	7
25	Isopreneâ€“Chlorine Oxidation in the Presence of NO_x and Implications for Urban Atmospheric Chemistry. Environmental Science & Technology, 2022, 56, 9251-9264.	4.6	3
26	Comparison of secondary organic aerosol generated from the oxidation of laboratory precursors by hydroxyl radicals, chlorine atoms, and bromine atoms in an oxidation flow reactor. Environmental Science Atmospheres, 2022, 2, 687-701.	0.9	2