

Dongyu S Wang

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

912
citations

623188

14
h-index

552369

26
g-index

57
all docs

57
docs citations

57
times ranked

1280
citing authors

#	ARTICLE	IF	CITATIONS
1	Survival of newly formed particles in haze conditions. <i>Environmental Science Atmospheres</i> , 2022, 2, 491-499.	0.9	8
2	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. <i>Environmental Science Atmospheres</i> , 2022, 2, 687-701.	0.9	2
3	Synergistic HNO ₃ –H ₂ SO ₄ –NH ₃ upper tropospheric particle formation. <i>Nature</i> , 2022, 605, 483-489.	13.7	26
4	Isoprene–Chlorine Oxidation in the Presence of NO _x and Implications for Urban Atmospheric Chemistry. <i>Environmental Science & Technology</i> , 2022, 56, 9251-9264.	4.6	3
5	High-frequency gaseous and particulate chemical characterization using extractive electrospray ionization mass spectrometry (Dual-Phase-EESI-TOF). <i>Atmospheric Measurement Techniques</i> , 2022, 15, 3747-3760.	1.2	7
6	Highly time-resolved chemical speciation and source apportionment of organic aerosol components in Delhi, India, using extractive electrospray ionization mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 7739-7761.	1.9	11
7	Real-time organic aerosol chemical speciation in the indoor environment using extractive electrospray ionization mass spectrometry. <i>Indoor Air</i> , 2021, 31, 141-155.	2.0	29
8	Molecular characterization of ultrafine particles using extractive electrospray time-of-flight mass spectrometry. <i>Environmental Science Atmospheres</i> , 2021, 1, 434-448.	0.9	10
9	Role of iodine oxoacids in atmospheric aerosol nucleation. <i>Science</i> , 2021, 371, 589-595.	6.0	94
10	Gas-Phase Chlorine Radical Oxidation of Alkanes: Effects of Structural Branching, NO _x , and Relative Humidity Observed during Environmental Chamber Experiments. <i>Journal of Physical Chemistry A</i> , 2021, 125, 7303-7317.	1.1	13
11	Effects of aerosol size and coating thickness on the molecular detection using extractive electrospray ionization. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 5913-5923.	1.2	7
12	Structures and reactivity of peroxy radicals and dimeric products revealed by online tandem mass spectrometry. <i>Nature Communications</i> , 2021, 12, 300.	5.8	28
13	Constraining the response factors of an extractive electrospray ionization mass spectrometer for near-molecular aerosol speciation. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 6955-6972.	1.2	10
14	Chemical composition of nanoparticles from α-pinene nucleation and the influence of isoprene and relative humidity at low temperature. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 17099-17114.	1.9	12
15	RNA oxidation in chromatin modification and DNA-damage response following exposure to formaldehyde. <i>Scientific Reports</i> , 2020, 10, 16545.	1.6	20
16	Post-transcriptional air pollution oxidation to the cholesterol biosynthesis pathway promotes pulmonary stress phenotypes. <i>Communications Biology</i> , 2020, 3, 392.	2.0	18
17	Rapid growth of new atmospheric particles by nitric acid and ammonia condensation. <i>Nature</i> , 2020, 581, 184-189.	13.7	169
18	Effects of Sources and Meteorology on Ambient Particulate Matter in Austin, Texas. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 602-613.	1.2	9

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19	Online Aerosol Chemical Characterization by Extractive Electrospray Ionization—“Ultrahigh-Resolution Mass Spectrometry (EESI-Orbitrap). <i>Environmental Science & Technology</i> , 2020, 54, 3871-3880.	4.6	25
20	Measurement of ammonia, amines and iodine compounds using protonated water cluster chemical ionization mass spectrometry. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 2501-2522.	1.2	21
21	Sources and atmospheric dynamics of organic aerosol in New Delhi, India: insights from receptor modeling. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 735-752.	1.9	44
22	Molecular understanding of new-particle formation from α -pinene between -50 and $+25$ °C. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 9183-9207.	1.9	68
23	Improved chloride quantification in quadrupole aerosol chemical speciation monitors (Q-ACSMs). <i>Atmospheric Measurement Techniques</i> , 2020, 13, 5293-5301.	1.2	9
24	Submicron aerosol composition in the world's most polluted megacity: the Delhi Aerosol Supersite study. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 6843-6859.	1.9	133
25	Chlorine-initiated oxidation of <i>n</i> -alkanes under high-NO _x conditions: insights into secondary organic aerosol composition and volatility using a FIGAERO-CIMS. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 15535-15553.	1.9	53
26	Secondary organic aerosol from chlorine-initiated oxidation of isoprene. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 13491-13508.	1.9	61