Guohua G Zhang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5340463/publications.pdf

Version: 2024-02-01

55 papers	1,945 citations	257357 24 h-index	265120 42 g-index
65 all docs	65 docs citations	65 times ranked	1696 citing authors

#	Article	IF	Citations
1	Atmospheric Processing of Particulate Imidazole Compounds Driven by Photochemistry. Environmental Science and Technology Letters, 2022, 9, 265-271.	3.9	11
2	Influence of meteorological parameters and oxidizing capacity on characteristics of airborne particulate amines in an urban area of the Pearl River Delta, China. Environmental Research, 2022, 212, 113212.	3.7	3
3	Abundance and Fractional Solubility of Aerosol Iron During Winter at a Coastal City in Northern China: Similarities and Contrasts Between Fine and Coarse Particles. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	1.2	18
4	The optical properties and in-situ observational evidence for the formation of brown carbon in clouds. Atmospheric Chemistry and Physics, 2022, 22, 4827-4839.	1.9	5
5	Seasonal variations of imidazoles in urban areas of Beijing and Guangzhou, China by single particle mass spectrometry. Science of the Total Environment, 2022, 844, 156995.	3.9	2
6	Filter-based absorption enhancement measurement for internally mixed black carbon particles over southern China. Science of the Total Environment, 2021, 762, 144194.	3.9	8
7	Evidence for the Formation of Imidazole from Carbonyls and Reduced Nitrogen Species at the Individual Particle Level in the Ambient Atmosphere. Environmental Science and Technology Letters, 2021, 8, 9-15.	3.9	27
8	Stage-resolved in-cloud scavenging of submicron and BC-containing particles: A case study. Atmospheric Environment, 2021, 244, 117883.	1.9	6
9	Technical note: Measurement of chemically resolved volume equivalent diameter and effective density of particles by AAC-SPAMS. Atmospheric Chemistry and Physics, 2021, 21, 5605-5613.	1.9	7
10	Individual particle investigation on the chloride depletion of inland transported sea spray aerosols during East Asian summer monsoon. Science of the Total Environment, 2021, 765, 144290.	3.9	9
11	A review of measurement techniques for aerosol effective density. Science of the Total Environment, 2021, 778, 146248.	3.9	15
12	Measurement report: Emissions of intermediate-volatility organic compounds from vehicles under real-world driving conditions in an urban tunnel. Atmospheric Chemistry and Physics, 2021, 21, 10005-10013.	1.9	23
13	Realâ€Time Characterization of Aerosol Compositions, Sources, and Aging Processes in Guangzhou During PRIDEâ€GBA 2018 Campaign. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD035114.	1.2	25
14	Black Carbon Involved Photochemistry Enhances the Formation of Sulfate in the Ambient Atmosphere: Evidence From In Situ Individual Particle Investigation. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD035226.	1.2	15
15	Different characteristics of individual particles from light-duty diesel vehicle at the launching and idling state by AAC-SPAMS. Journal of Hazardous Materials, 2021, 418, 126304.	6.5	10
16	Measurement report: Molecular characteristics of cloud water in southern China and insights into aqueous-phase processes from Fourier transform ion cyclotron resonance mass spectrometry. Atmospheric Chemistry and Physics, 2021, 21, 16631-16644.	1.9	11
17	Does atmospheric processing produce toxic Pb-containing compounds? A case study in suburban Beijing by single particle mass spectrometry. Journal of Hazardous Materials, 2020, 382, 121014.	6.5	8
18	Seasonal variation of amine-containing particles in urban Guangzhou, China. Atmospheric Environment, 2020, 222, 117102.	1.9	15

#	Article	IF	Citations
19	Enhanced Wet Deposition of Waterâ€Soluble Organic Nitrogen During the Harvest Season: Influence of Biomass Burning and Inâ€Cloud Scavenging. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032699.	1.2	17
20	The reductions of oxalate and its precursors in cloud droplets relative to wet particles. Atmospheric Environment, 2020, 235, 117632.	1.9	7
21	High secondary formation of nitrogen-containing organics (NOCs) and its possible link to oxidized organics and ammonium. Atmospheric Chemistry and Physics, 2020, 20, 1469-1481.	1.9	28
22	On mineral dust aerosol hygroscopicity. Atmospheric Chemistry and Physics, 2020, 20, 13611-13626.	1.9	27
23	Tropospheric aerosol hygroscopicity in China. Atmospheric Chemistry and Physics, 2020, 20, 13877-13903.	1.9	14
24	Impact of in-cloud aqueous processes on the chemical compositions and morphology of individual atmospheric aerosols. Atmospheric Chemistry and Physics, 2020, 20, 14063-14075.	1.9	11
25	Hygroscopic Properties of Saline Mineral Dust From Different Regions in China: Geographical Variations, Compositional Dependence, and Atmospheric Implications. Journal of Geophysical Research D: Atmospheres, 2019, 124, 10844-10857.	1.2	26
26	Enrichment of submicron sea-salt-containing particles in small cloud droplets based on single-particle mass spectrometry. Atmospheric Chemistry and Physics, 2019, 19, 10469-10479.	1.9	7
27	A review of experimental techniques for aerosol hygroscopicity studies. Atmospheric Chemistry and Physics, 2019, 19, 12631-12686.	1.9	80
28	Recent Advances in Quantifying Wet Scavenging Efficiency of Black Carbon Aerosol. Atmosphere, 2019, 10, 175.	1.0	15
29	In-cloud formation of secondary species in iron-containing particles. Atmospheric Chemistry and Physics, 2019, 19, 1195-1206.	1.9	17
30	A comprehensive study of hygroscopic properties of calcium- and magnesium-containing salts: implication for hygroscopicity of mineral dust and sea salt aerosols. Atmospheric Chemistry and Physics, 2019, 19, 2115-2133.	1.9	58
31	Impacts of methanesulfonate on the cloud condensation nucleation activity of sea salt aerosol. Atmospheric Environment, 2019, 201, 13-17.	1.9	18
32	Oxalate Formation Enhanced by Fe-Containing Particles and Environmental Implications. Environmental Science & Technology, 2019, 53, 1269-1277.	4.6	36
33	An Improved Absorption Ã…ngstrÃ¶m Exponent (AAE)-Based Method for Evaluating the Contribution of Light Absorption from Brown Carbon with a High-Time Resolution. Aerosol and Air Quality Research, 2019, 19, 15-24.	0.9	24
34	Characteristics and Formation Mechanisms of Sulfate and Nitrate in Size-segregated Atmospheric Particles from Urban Guangzhou, China. Aerosol and Air Quality Research, 2019, 19, 1284-1293.	0.9	29
35	Gas-to-particle partitioning of atmospheric amines observed at a mountain site in southern China. Atmospheric Environment, 2018, 195, 1-11.	1.9	38
36	Characteristics of PM_{2.5} mass concentrations and chemical species in urban and background areas of China: emerging results from the CARE-China network. Atmospheric Chemistry and Physics, 2018, 18, 8849-8871.	1.9	144

#	Article	IF	Citations
37	Concentration, size distribution and dry deposition of amines in atmospheric particles of urban Guangzhou, China. Atmospheric Environment, 2017, 171, 279-288.	1.9	39
38	In situ chemical composition measurement of individual cloud residue particles at aÂmountain site, southern China. Atmospheric Chemistry and Physics, 2017, 17, 8473-8488.	1.9	42
39	Insight into the in-cloud formation of oxalate based on in situ measurement by single particle mass spectrometry. Atmospheric Chemistry and Physics, 2017, 17, 13891-13901.	1.9	41
40	The single-particle mixing state and cloud scavenging of black carbon: a case study at a high-altitude mountain site in southern China. Atmospheric Chemistry and Physics, 2017, 17, 14975-14985.	1.9	31
41	Investigation of water adsorption and hygroscopicity of atmospherically relevant particles using aÂcommercial vapor sorption analyzer. Atmospheric Measurement Techniques, 2017, 10, 3821-3832.	1.2	39
42	In situ detection of the chemistry of individual fog droplet residues in the Pearl River Delta region, China. Journal of Geophysical Research D: Atmospheres, 2016, 121, 9105-9116.	1.2	24
43	The real part of the refractive indices and effective densities for chemically segregated ambient aerosols in Guangzhou measured by a single-particle aerosol mass spectrometer. Atmospheric Chemistry and Physics, 2016, 16, 2631-2640.	1.9	16
44	Measurement of aerosol effective density by single particle mass spectrometry. Science China Earth Sciences, 2016, 59, 320-327.	2.3	7
45	Real-time and single-particle volatility of elemental carbon-containing particles in the urban area of Pearl River Delta region, China. Atmospheric Environment, 2015, 118, 194-202.	1.9	23
46	Characteristics of individual particles in the atmosphere of Guangzhou by single particle mass spectrometry. Atmospheric Research, 2015, 153, 286-295.	1.8	48
47	Variation of secondary coatings associated with elemental carbon by single particle analysis. Atmospheric Environment, 2014, 92, 162-170.	1.9	48
48	Emission of PAHs, NPAHs and OPAHs from residential honeycomb coal briquette combustion. Energy & Fuels, 2014, 28, 636-642.	2.5	109
49	Source and mixing state of iron-containing particles in Shanghai by individual particle analysis. Chemosphere, 2014, 95, 9-16.	4.2	49
50	Size-segregated chemical characteristics of aerosol during haze in an urban area of the Pearl River Delta region, China. Urban Climate, 2013, 4, 74-84.	2.4	39
51	Chemical composition, diurnal variation and sources of PM2.5 at two industrial sites of South China. Atmospheric Pollution Research, 2013, 4, 298-305.	1.8	40
52	Mixing state of individual submicron carbon-containing particles during spring and fall seasons in urban Guangzhou, China: a case study. Atmospheric Chemistry and Physics, 2013, 13, 4723-4735.	1.9	73
53	Enhanced trimethylamine-containing particles during fog events detected by single particle aerosol mass spectrometry in urban Guangzhou, China. Atmospheric Environment, 2012, 55, 121-126.	1.9	74
54	Mixing state of biomass burning particles by single particle aerosol mass spectrometer in the urban area of PRD, China. Atmospheric Environment, 2011, 45, 3447-3453.	1.9	150

#	Article	IF	Citations
55	Real time bipolar time-of-flight mass spectrometer for analyzing single aerosol particles. International Journal of Mass Spectrometry, 2011, 303, 118-124.	0.7	236