Jian Zhao

List of Publications by Citations

39 papers	1,416 citations	21 h-index	37 g-index
44 ext. papers	1,809 ext. citations	6.8 avg, IF	4.16 L-index

#	Paper	IF	Citations
39	Primary and secondary aerosols in Beijing in winter: sources, variations and processes. *Atmospheric Chemistry and Physics*, **2016**, 16, 8309-8329	6.8	206
38	Effects of Aqueous-Phase and Photochemical Processing on Secondary Organic Aerosol Formation and Evolution in Beijing, China. *Environmental Science & Technology*, **2017**, 51, 762-770	10.3	127
37	The effects of promoter and curing process on exfoliation behavior of epoxy/clay nanocomposites. *Journal of Applied Polymer Science*, **2000**, 78, 808-815	2.9	118
36	Changes in Aerosol Chemistry From 2014 to 2016 in Winter in Beijing: Insights From High-Resolution Aerosol Mass Spectrometry. *Journal of Geophysical Research D: Atmospheres*, **2019**, 124, 1132-1147	4.4	109
35	Fast sulfate formation from oxidation of SO by NO and HONO observed in Beijing haze. *Nature Communications*, **2020**, 11, 2844	17.4	82
34	Insights into aerosol chemistry during the 2015 China Victory Day parade: results from simultaneous measurements at ground level and 260 m in Beijing. *Atmospheric Chemistry and Physics*, **2017**, 17, 3215-3232	6.8	70
33	Vertical characterization of aerosol optical properties and brown carbon in winter in urban Beijing, China. *Atmospheric Chemistry and Physics*, **2019**, 19, 165-179	6.8	52
32	Characterization of black carbon-containing fine particles in Beijing during wintertime. *Atmospheric Chemistry and Physics*, **2019**, 19, 447-458	6.8	51
31	Response of aerosol chemistry to clean air action in Beijing, China: Insights from two-year ACSM measurements and model simulations. *Environmental Pollution*, **2019**, 255, 113345	9.3	46
30	Enhanced hydrophobicity and volatility of submicron aerosols under severe emission control conditions in Beijing. *Atmospheric Chemistry and Physics*, **2017**, 17, 5239-5251	6.8	40
29	Graphene-reinforced biodegradable poly(ethylene succinate) nanocomposites prepared by in situ polymerization. *Journal of Applied Polymer Science*, **2013**, 130, 3212-3220	2.9	40
28	Production of N₂O₅ and ClNO₂ in summer in urban Beijing, China. *Atmospheric Chemistry and Physics*, **2018**, 18, 11581-11597	6.8	40
27	Simultaneous measurements of particle number size distributions at ground level and 260 m on a meteorological tower in urban Beijing, China. *Atmospheric Chemistry and Physics*, **2017**, 17, 6797-6811	6.8	35
26	Response of aerosol composition to different emission scenarios in Beijing, China. *Science of the Total Environment*, **2016**, 571, 902-8	10.2	32
25	Characterization of submicron aerosols at a suburban site in central China. *Atmospheric Environment*, **2016**, 131, 115-123	5.3	31
24	Organic Aerosol Processing During Winter Severe Haze Episodes in Beijing. *Journal of Geophysical Research D: Atmospheres*, **2019**, 124, 10248-10263	4.4	31
23	Seasonal Characterization of Organic Nitrogen in Atmospheric Aerosols Using High Resolution Aerosol Mass Spectrometry in Beijing, China. *ACS Earth and Space Chemistry*, **2017**, 1, 673-682	3.2	30

22	Light absorption enhancement of black carbon in urban Beijing in summer. *Atmospheric Environment*, **2019**, 213, 499-504	5.3	25
21	Aerosol optical properties measurements by a CAPS single scattering albedo monitor: Comparisons between summer and winter in Beijing, China. *Journal of Geophysical Research D: Atmospheres*, **2017**, 122, 2513-2526	4.4	24
20	Characterization and source apportionment of organic aerosol at 260 m on a meteorological tower in Beijing, China. *Atmospheric Chemistry and Physics*, **2018**, 18, 3951-3968	6.8	23
19	Aqueous production of secondary organic aerosol from fossil-fuel emissions in winter Beijing haze. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	23
18	Temporal characteristics and vertical distribution of atmospheric ammonia and ammonium in winter in Beijing. *Science of the Total Environment*, **2019**, 681, 226-234	10.2	21
17	Summertime aerosol volatility measurements in Beijing, China. *Atmospheric Chemistry and Physics*, **2019**, 19, 10205-10216	6.8	20
16	Modeling the impact of heterogeneous reactions of chlorine on summertime nitrate formation in Beijing, China. *Atmospheric Chemistry and Physics*, **2019**, 19, 6737-6747	6.8	20
15	Vertical Characterization and Source Apportionment of Water-Soluble Organic Aerosol with High-resolution Aerosol Mass Spectrometry in Beijing, China. *ACS Earth and Space Chemistry*, **2019**, 3, 273-284	3.2	18
14	High Abundance of Fluorescent Biological Aerosol Particles in Winter in Beijing, China. *ACS Earth and Space Chemistry*, **2017**, 1, 493-502	3.2	17
13	Highly active MgCl2-supported catalysts containing novel diether donors for propene polymerization. *Macromolecular Rapid Communications*, **2000**, 21, 1046-1049	4.8	15
12	A 3D study on the amplification of regional haze and particle growth by local emissions. *Npj Climate and Atmospheric Science*, **2021**, 4,	8	13
11	A Black Carbon-Tracer Method for Estimating Cooking Organic Aerosol From Aerosol Mass Spectrometer Measurements. *Geophysical Research Letters*, **2019**, 46, 8474-8483	4.9	11
10	Contrasting mixing state of black carbon-containing particles in summer and winter in Beijing. *Environmental Pollution*, **2020**, 263, 114455	9.3	10
9	Vertical Characterization of Aerosol Particle Composition in Beijing, China: Insights From 3-Month Measurements With Two Aerosol Mass Spectrometers. *Journal of Geophysical Research D: Atmospheres*, **2018**, 123, 13,016	4.4	9
8	Characterization of submicron organic particles in Beijing during summertime: comparison between SP-AMS and HR-AMS. *Atmospheric Chemistry and Physics*, **2020**, 20, 14091-14102	6.8	8
7	Synthesis of Amides-Functionalized POPs-Supported Nano-Pd Catalysts for Phosphine Ligand-Free Heterogeneous Hydroaminocarbonylation of Alkynes. *Advanced Synthesis and Catalysis*, **2020**, 362, 2348-2353	5.6	5
6	Global regional nested simulation of particle number concentration by combing microphysical processes with an evolving organic aerosol module. *Atmospheric Chemistry and Physics*, **2021**, 21, 9343-9366	6.8	5
5	Atmospheric gaseous hydrochloric and hydrobromic acid in urban Beijing, China: detection, source identification and potential atmospheric impacts. *Atmospheric Chemistry and Physics*, **2021**, 21, 11437-11452	6.8	4

4	Insights into vertical differences of particle number size distributions in winter in Beijing, China. *Science of the Total Environment*, **2022**, 802, 149695	10.2	2
3	Simultaneous measurements of particle number size distributions at ground level and 260 m on a meteorological tower in urban Beijing, China **2017**,		1
2	Characterization of black carbon-containing fine particles in Beijing during wintertime **2018**,		1
1	Measurement report: Vertical distribution of biogenic and anthropogenic secondary organic aerosols in the urban boundary layer over Beijing during late summer. *Atmospheric Chemistry and Physics*, **2021**, 21, 12949-12963	6.8	1