

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

369  
papers

21,488  
citations

64  
h-index

139  
g-index

547  
ext. papers

25,758  
ext. citations

6.7  
avg, IF

6.65  
L-index

#	Paper	IF	Citations
369	Evolution of organic aerosols in the atmosphere. <i>Science</i> , <b>2009</b> , 326, 1525-9	33.3	2767
368	Ubiquity and dominance of oxygenated species in organic aerosols in anthropogenically-influenced Northern Hemisphere midlatitudes. <i>Geophysical Research Letters</i> , <b>2007</b> , 34, n/a-n/a	4.9	1497
367	O/C and OM/OC ratios of primary, secondary, and ambient organic aerosols with high-resolution time-of-flight aerosol mass spectrometry. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 4478-85	10.3	1324
366	Chemical characteristics of PM2.5 and PM10 in haze-fog episodes in Beijing. <i>Environmental Science &amp; Technology</i> , <b>2006</b> , 40, 3148-55	10.3	635
365	Understanding atmospheric organic aerosols via factor analysis of aerosol mass spectrometry: a review. <i>Analytical and Bioanalytical Chemistry</i> , <b>2011</b> , 401, 3045-67	4.4	589
364	An Aerosol Chemical Speciation Monitor (ACSM) for Routine Monitoring of the Composition and Mass Concentrations of Ambient Aerosol. <i>Aerosol Science and Technology</i> , <b>2011</b> , 45, 780-794	3.4	524
363	Investigation of the sources and evolution processes of severe haze pollution in Beijing in January 2013. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2014</b> , 119, 4380-4398	4.4	505
362	The ion chemistry and the source of PM2.5 aerosol in Beijing. <i>Atmospheric Environment</i> , <b>2005</b> , 39, 3771-3784	3.4	505
361	The air-borne particulate pollution in Beijing—concentration, composition, distribution and sources. <i>Atmospheric Environment</i> , <b>2004</b> , 38, 5991-6004	5.3	473
360	Aerosol composition, sources and processes during wintertime in Beijing, China. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 4577-4592	6.8	418
359	Aerosol and boundary-layer interactions and impact on air quality. <i>National Science Review</i> , <b>2017</b> , 4, 810-833	8.3	332
358	Characterization of the sources and processes of organic and inorganic aerosols in New York city with a high-resolution time-of-flight aerosol mass spectrometer. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 1581-1602	6.8	300
357	The variation of characteristics and formation mechanisms of aerosols in dust, haze, and clear days in Beijing. <i>Atmospheric Environment</i> , <b>2006</b> , 40, 6579-6591	5.3	280
356	The impact of relative humidity on aerosol composition and evolution processes during wintertime in Beijing, China. <i>Atmospheric Environment</i> , <b>2013</b> , 77, 927-934	5.3	270
355	Highly time-resolved chemical characterization of atmospheric submicron particles during 2008 Beijing Olympic Games using an Aerodyne High-Resolution Aerosol Mass Spectrometer. <i>Atmospheric Chemistry and Physics</i> , <b>2010</b> , 10, 8933-8945	6.8	269
354	Long-term real-time measurements of aerosol particle composition in Beijing, China: seasonal variations, meteorological effects, and source analysis. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 10149-10165	6.8	251
353	Characterization of summer organic and inorganic aerosols in Beijing, China with an Aerosol Chemical Speciation Monitor. <i>Atmospheric Environment</i> , <b>2012</b> , 51, 250-259	5.3	245

352	Highly time- and size-resolved characterization of submicron aerosol particles in Beijing using an Aerodyne Aerosol Mass Spectrometer. <i>Atmospheric Environment</i> , <b>2010</b> , 44, 131-140	5.3	217
351	Primary and secondary aerosols in Beijing in winter: sources, variations and processes. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 8309-8329	6.8	206
350	Speciation of Brown Carbon in cloud water impacted by agricultural biomass burning in eastern China. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 7389-7399	4.4	185
349	Insights into secondary organic aerosol formed via aqueous-phase reactions of phenolic compounds based on high resolution mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , <b>2010</b> , 10, 4809-4822	6.8	166
348	Characteristics and formation mechanism of continuous hazes in China: a case study during the autumn of 2014 in the North China Plain. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 8165-8178	6.8	156
347	Fine-particle pH for Beijing winter haze as inferred from different thermodynamic equilibrium models. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 7423-7438	6.8	146
346	Real-time chemical characterization of atmospheric particulate matter in China: A review. <i>Atmospheric Environment</i> , <b>2017</b> , 158, 270-304	5.3	142
345	Effect of aqueous-phase processing on aerosol chemistry and size distributions in Fresno, California, during wintertime. <i>Environmental Chemistry</i> , <b>2012</b> , 9, 221	3.2	134
344	Long-term monitoring and source apportionment of PM <sub>2.5</sub> /PM <sub>10</sub> in Beijing, China. <i>Journal of Environmental Sciences</i> , <b>2008</b> , 20, 1323-7	6.4	132
343	"APEC Blue": Secondary Aerosol Reductions from Emission Controls in Beijing. <i>Scientific Reports</i> , <b>2016</b> , 6, 20668	4.9	132
342	Rapid formation and evolution of an extreme haze episode in Northern China during winter 2015. <i>Scientific Reports</i> , <b>2016</b> , 6, 27151	4.9	131
341	Effects of Aqueous-Phase and Photochemical Processing on Secondary Organic Aerosol Formation and Evolution in Beijing, China. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 762-770	10.3	127
340	Characterization of submicron particles influenced by mixed biogenic and anthropogenic emissions using high-resolution aerosol mass spectrometry: results from CARES. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 8131-8156	6.8	121
339	Chemical composition of dust storms in Beijing and implications for the mixing of mineral aerosol with pollution aerosol on the pathway. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		118
338	Mixing of Asian mineral dust with anthropogenic pollutants over East Asia: a model case study of a super-duststorm in March 2010. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 7591-7607	6.8	117
337	Observational study of influence of aerosol hygroscopic growth on scattering coefficient over rural area near Beijing mega-city. <i>Atmospheric Chemistry and Physics</i> , <b>2009</b> , 9, 7519-7530	6.8	117
336	Diurnal variations of organic molecular tracers and stable carbon isotopic composition in atmospheric aerosols over Mt. Tai in the North China Plain: an influence of biomass burning. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 8359-8375	6.8	112
335	Primary and secondary organic aerosols in Fresno, California during wintertime: Results from high resolution aerosol mass spectrometry. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		112

334	Water-soluble part of the aerosol in the dust storm season—Evidence of the mixing between mineral and pollution aerosols. <i>Atmospheric Environment</i> , <b>2005</b> , 39, 7020-7029	5.3	111
333	Changes in Aerosol Chemistry From 2014 to 2016 in Winter in Beijing: Insights From High-Resolution Aerosol Mass Spectrometry. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 1132-1147	4.4	109
332	Rapid formation of a severe regional winter haze episode over a mega-city cluster on the North China Plain. <i>Environmental Pollution</i> , <b>2017</b> , 223, 605-615	9.3	107
331	The chemistry of precipitation and its relation to aerosol in Beijing. <i>Atmospheric Environment</i> , <b>2005</b> , 39, 3397-3406	5.3	105
330	East Asian Study of Tropospheric Aerosols and their Impact on Regional Clouds, Precipitation, and Climate (EAST-AIRCPC). <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 13026-13054	4.4	104
329	Size-resolved aerosol chemistry on Whistler Mountain, Canada with a high-resolution aerosol mass spectrometer during INTEX-B. <i>Atmospheric Chemistry and Physics</i> , <b>2009</b> , 9, 3095-3111	6.8	104
328	Aerosol composition and sources during the Chinese Spring Festival: fireworks, secondary aerosol, and holiday effects. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 6023-6034	6.8	96
327	Characterization and source apportionment of water-soluble organic matter in atmospheric fine particles (PM <sub>2.5</sub> ) with high-resolution aerosol mass spectrometry and GC-MS. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 4854-61	10.3	96
326	Aerosol composition, oxidation properties, and sources in Beijing: results from the 2014 Asia-Pacific Economic Cooperation summit study. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 13681-13698	6.8	95
325	Insights into characteristics, sources, and evolution of submicron aerosols during harvest seasons in the Yangtze River delta region, China. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 1331-1349	6.8	92
324	Pollution Gradients and Chemical Characterization of Particulate Matter from Vehicular Traffic near Major Roadways: Results from the 2009 Queens College Air Quality Study in NYC. <i>Aerosol Science and Technology</i> , <b>2012</b> , 46, 1201-1218	3.4	92
323	A chemical cocktail during the COVID-19 outbreak in Beijing, China: Insights from six-year aerosol particle composition measurements during the Chinese New Year holiday. <i>Science of the Total Environment</i> , <b>2020</b> , 742, 140739	10.2	91
322	Factor analysis of combined organic and inorganic aerosol mass spectra from high resolution aerosol mass spectrometer measurements. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 8537-8551	6.8	89
321	The evolution of chemical components of aerosols at five monitoring sites of China during dust storms. <i>Atmospheric Environment</i> , <b>2007</b> , 41, 1091-1106	5.3	89
320	Real-Time Characterization of Aerosol Particle Composition above the Urban Canopy in Beijing: Insights into the Interactions between the Atmospheric Boundary Layer and Aerosol Chemistry. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 11340-7	10.3	87
319	Characteristics and sources of lead pollution after phasing out leaded gasoline in Beijing. <i>Atmospheric Environment</i> , <b>2006</b> , 40, 2973-2985	5.3	84
318	Heterogeneous sulfate aerosol formation mechanisms during wintertime Chinese haze events: air quality model assessment using observations of sulfate oxygen isotopes in Beijing. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 6107-6123	6.8	82
317	Fast sulfate formation from oxidation of SO by NO and HONO observed in Beijing haze. <i>Nature Communications</i> , <b>2020</b> , 11, 2844	17.4	82

316	Characteristics and sources of submicron aerosols above the urban canopy (260 m) in Beijing, China, during the 2014 APEC summit. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 12879-12895	6.8	80
315	Aerosol characterization over the North China Plain: Haze life cycle and biomass burning impacts in summer. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 2508-2521	4.4	79
314	A conceptual framework for mixing structures in individual aerosol particles. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 13,784-13,798	4.4	78
313	Highly time-resolved urban aerosol characteristics during springtime in Yangtze River Delta, China: insights from soot particle aerosol mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 9109-9127	6.8	77
312	Chemical composition of aerosol particles and light extinction apportionment before and during the heating season in Beijing, China. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2015</b> , 120, 12708-12722	4.4	74
311	Introduction to the special issue In-depth study of air pollution sources and processes within Beijing and its surrounding region (APHH-Beijing) <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 7519-7546	6.8	73
310	An unexpected catalyst dominates formation and radiative forcing of regional haze. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 3960-3966	11.5	73
309	Source apportionment of organic aerosol from 2-year highly time-resolved measurements by an aerosol chemical speciation monitor in Beijing, China. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 8469-8489	6.8	70
308	Insights into aerosol chemistry during the 2015 China Victory Day parade: results from simultaneous measurements at ground level and 260 m in Beijing. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 3215-3232	6.8	70
307	Characteristics and sources of polycyclic aromatic hydrocarbons and fatty acids in PM <sub>2.5</sub> aerosols in dust season in China. <i>Atmospheric Environment</i> , <b>2006</b> , 40, 3251-3262	5.3	66
306	Fluorescent water-soluble organic aerosols in the High Arctic atmosphere. <i>Scientific Reports</i> , <b>2015</b> , 5, 9845	4.9	65
305	Possible heterogeneous chemistry of hydroxymethanesulfonate (HMS) in northern China winter haze. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 1357-1371	6.8	63
304	Microfluidic electrochemical sensor for on-line monitoring of aerosol oxidative activity. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 10562-8	16.4	63
303	Correlation of black carbon aerosol and carbon monoxide in the high-altitude environment of Mt. Huang in Eastern China. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 9735-9747	6.8	63
302	Synergetic formation of secondary inorganic and organic aerosol: effect of SO <sub>2</sub> and NH <sub>3</sub> on particle formation and growth. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 14219-14230	6.8	61
301	Observation of Fullerene Soot in Eastern China. <i>Environmental Science and Technology Letters</i> , <b>2016</b> , 3, 121-126	11	61
300	Mixing of Asian dust with pollution aerosol and the transformation of aerosol components during the dust storm over China in spring 2007. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		60
299	Aerosol hygroscopicity and cloud condensation nuclei activity during the AC <sub>3</sub> Exp campaign: implications for cloud condensation nuclei parameterization. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 13423-13437	6.8	56

298	Radiative and heterogeneous chemical effects of aerosols on ozone and inorganic aerosols over East Asia. <i>Science of the Total Environment</i> , <b>2018</b> , 622-623, 1327-1342	10.2	54
297	Evidence for Asian dust effects from aerosol plume measurements during INTEX-B 2006 near Whistler, BC. <i>Atmospheric Chemistry and Physics</i> , <b>2009</b> , 9, 3523-3546	6.8	54
296	Contrasting physical properties of black carbon in urban Beijing between winter and summer. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 6749-6769	6.8	53
295	Characteristics and sources of 2002 super dust storm in Beijing. <i>Science Bulletin</i> , <b>2004</b> , 49, 698-705		53
294	Vertical characterization of aerosol optical properties and brown carbon in winter in urban Beijing, China. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 165-179	6.8	52
293	Formation of secondary aerosols from gasoline vehicle exhaust when mixing with SO <sub>2</sub> . <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 675-689	6.8	52
292	Secondary Formation of Sulfate and Nitrate during a Haze Episode in Megacity Beijing, China. <i>Aerosol and Air Quality Research</i> , <b>2015</b> , 15, 2246-2257	4.6	52
291	Characterization of black carbon-containing fine particles in Beijing during wintertime. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 447-458	6.8	51
290	Vertically resolved characteristics of air pollution during two severe winter haze episodes in urban Beijing, China. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 2495-2509	6.8	51
289	Chemical composition, sources and evolution processes of aerosol at an urban site in Yangtze River Delta, China during wintertime. <i>Atmospheric Environment</i> , <b>2015</b> , 123, 339-349	5.3	50
288	Modeling study of surface ozone source-receptor relationships in East Asia. <i>Atmospheric Research</i> , <b>2016</b> , 167, 77-88	5.4	49
287	High Contribution of Nonfossil Sources to Submicrometer Organic Aerosols in Beijing, China. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 7842-7852	10.3	49
286	Characterization of near-highway submicron aerosols in New York City with a high-resolution aerosol mass spectrometer. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 2215-2227	6.8	47
285	Sulfate formation is dominated by manganese-catalyzed oxidation of SO on aerosol surfaces during haze events. <i>Nature Communications</i> , <b>2021</b> , 12, 1993	17.4	47
284	Response of aerosol chemistry to clean air action in Beijing, China: Insights from two-year ACSM measurements and model simulations. <i>Environmental Pollution</i> , <b>2019</b> , 255, 113345	9.3	46
283	Chemical imaging of ambient aerosol particles: Observational constraints on mixing state parameterization. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2015</b> , 120, 9591-9605	4.4	44
282	Chemical characterization of aerosols at the summit of Mountain Tai in Central East China. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 7319-7332	6.8	44
281	Asian dust over northern China and its impact on the downstream aerosol chemistry in 2004. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		44

280	Direct Observations of Fine Primary Particles From Residential Coal Burning: Insights Into Their Morphology, Composition, and Hygroscopicity. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 12,964	4.4	44
279	Chemical Differences Between PM1 and PM2.5 in Highly Polluted Environment and Implications in Air Pollution Studies. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2019GL086288	4.9	43
278	Direct observations of organic aerosols in common wintertime hazes in North China: insights into direct emissions from Chinese residential stoves. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 1259-1270	6.8	43
277	Mixing and transformation of Asian dust with pollution in the two dust storms over the northern China in 2006. <i>Atmospheric Environment</i> , <b>2010</b> , 44, 3394-3403	5.3	43
276	Air quality, nitrogen use efficiency and food security in China are improved by cost-effective agricultural nitrogen management. <i>Nature Food</i> , <b>2020</b> , 1, 648-658	14.4	43
275	Photochemical Aqueous-Phase Reactions Induce Rapid Daytime Formation of Oxygenated Organic Aerosol on the North China Plain. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 3849-3860	10.3	42
274	Characteristics and Formation Mechanisms of Fine Particulate Nitrate in Typical Urban Areas in China. <i>Atmosphere</i> , <b>2017</b> , 8, 62	2.7	42
273	Molecular markers of biomass burning, fungal spores and biogenic SOA in the Taklimakan desert aerosols. <i>Atmospheric Environment</i> , <b>2016</b> , 130, 64-73	5.3	42
272	Variations and sources of nitrous acid (HONO) during a severe pollution episode in Beijing in winter 2016. <i>Science of the Total Environment</i> , <b>2019</b> , 648, 253-262	10.2	42
271	Open burning of rice, corn and wheat straws: primary emissions, photochemical aging, and secondary organic aerosol formation. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 14821-14839	6.8	42
270	Primary biogenic and anthropogenic sources of organic aerosols in Beijing, China: Insights from saccharides and n-alkanes. <i>Environmental Pollution</i> , <b>2018</b> , 243, 1579-1587	9.3	42
269	Real-time observational evidence of changing Asian dust morphology with the mixing of heavy anthropogenic pollution. <i>Scientific Reports</i> , <b>2017</b> , 7, 335	4.9	41
268	Influence of continental organic aerosols to the marine atmosphere over the East China Sea: Insights from lipids, PAHs and phthalates. <i>Science of the Total Environment</i> , <b>2017</b> , 607-608, 339-350	10.2	41
267	Primary particulate emissions and secondary organic aerosol (SOA) formation from idling diesel vehicle exhaust in China. <i>Science of the Total Environment</i> , <b>2017</b> , 593-594, 462-469	10.2	40
266	First Chemical Characterization of Refractory Black Carbon Aerosols and Associated Coatings over the Tibetan Plateau (4730 m a.s.l). <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 14072-14082	10.3	40
265	Enhanced hydrophobicity and volatility of submicron aerosols under severe emission control conditions in Beijing. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 5239-5251	6.8	40
264	Production of N <sub>2</sub> O <sub>5</sub> and ClNO <sub>2</sub> in summer in urban Beijing, China. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 11581-11597	6.8	40
263	Growth rates of fine aerosol particles at a site near Beijing in June 2013. <i>Advances in Atmospheric Sciences</i> , <b>2018</b> , 35, 209-217	2.9	39

262	Source apportionment for urban PM <sub>10</sub> and PM <sub>2.5</sub> in the Beijing area. <i>Science Bulletin</i> , <b>2007</b> , 52, 608-615		39
261	Chemical processing of water-soluble species and formation of secondary organic aerosol in fogs. <i>Atmospheric Environment</i> , <b>2019</b> , 200, 158-166	5.3	39
260	A case study of aerosol processing and evolution in summer in New York City. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 12737-12750	6.8	38
259	Springtime precipitation effects on the abundance of fluorescent biological aerosol particles and HULIS in Beijing. <i>Scientific Reports</i> , <b>2016</b> , 6, 29618	4.9	37
258	Molecular distribution and compound-specific stable carbon isotopic composition of dicarboxylic acids, oxocarboxylic acids and $\alpha,\beta$ -dicarbonyls in PM <sub>2.5</sub> from Beijing, China. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 2749-2767	6.8	36
257	Investigating the PM mass concentration growth processes during 2013-2016 in Beijing and Shanghai. <i>Chemosphere</i> , <b>2019</b> , 221, 452-463	8.4	36
256	Aerosol hygroscopic growth, contributing factors, and impact on haze events in a severely polluted region in northern China. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 1327-1342	6.8	35
255	Thermodynamic Modeling Suggests Declines in Water Uptake and Acidity of Inorganic Aerosols in Beijing Winter Haze Events during 2014/2015-2018/2019. <i>Environmental Science and Technology Letters</i> , <b>2019</b> , 6, 752-760	11	35
254	Simultaneous measurements of particle number size distributions at ground level and 260 m on a meteorological tower in urban Beijing, China. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 6797-6811	6.8	35
253	Molecular Markers of Secondary Organic Aerosol in Mumbai, India. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 4659-67	10.3	35
252	High efficiency of livestock ammonia emission controls in alleviating particulate nitrate during a severe winter haze episode in northern China. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 5605-5613	6.8	34
251	A modeling study of source-receptor relationships in atmospheric particulate matter over Northeast Asia. <i>Atmospheric Environment</i> , <b>2014</b> , 91, 40-51	5.3	34
250	Variation of sources and mixing mechanism of mineral dust with pollution aerosol revealed by the two peaks of a super dust storm in Beijing. <i>Atmospheric Research</i> , <b>2007</b> , 84, 265-279	5.4	33
249	Response of aerosol composition to different emission scenarios in Beijing, China. <i>Science of the Total Environment</i> , <b>2016</b> , 571, 902-8	10.2	32
248	Field characterization of the PM <sub>2.5</sub> Aerosol Chemical Speciation Monitor: insights into the composition, sources, and processes of fine particles in eastern China. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 14501-14517	6.8	32
247	Limited formation of isoprene epoxydiols-derived secondary organic aerosol under NO <sub>x</sub> -rich environments in Eastern China. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 2035	4.9	31
246	Characterization of submicron aerosols at a suburban site in central China. <i>Atmospheric Environment</i> , <b>2016</b> , 131, 115-123	5.3	31
245	Organic Aerosol Processing During Winter Severe Haze Episodes in Beijing. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 10248-10263	4.4	31



244	Technical note: Boundary layer height determination from lidar for improving air pollution episode modeling: development of new algorithm and evaluation. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 6215-6225	6.8	31
243	Molecular Characterization and Seasonal Variation in Primary and Secondary Organic Aerosols in Beijing, China. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 12,394-12,412	4.4	31
242	Characterization of biogenic primary and secondary organic aerosols in the marine atmosphere over the East China Sea. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 13947-13967	6.8	31
241	Characteristics of size-fractionated atmospheric metals and water-soluble metals in two typical episodes in Beijing. <i>Atmospheric Environment</i> , <b>2015</b> , 119, 294-303	5.3	30
240	Characterization of aerosol hygroscopicity, mixing state, and CCN activity at a suburban site in the central North China Plain. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 11739-11752	6.8	30
239	Seasonal Characterization of Organic Nitrogen in Atmospheric Aerosols Using High Resolution Aerosol Mass Spectrometry in Beijing, China. <i>ACS Earth and Space Chemistry</i> , <b>2017</b> , 1, 673-682	3.2	30
238	Assessing the effects of trans-boundary aerosol transport between various city clusters on regional haze episodes in spring over East China. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>2013</b> , 65, 20052	3.3	30
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104	Impacts of water partitioning and polarity of organic compounds on secondary organic aerosol over eastern China. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 7291-7306	6.8	5
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102	Real-time characterization of aerosol particle composition, sources and influences of increased ventilation and humidity in an office. <i>Indoor Air</i> , <b>2021</b> , 31, 1364-1376	5.4	5
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91	Gravity-Current-Driven Transport of Haze from the North China Plain to Northeast China in Winter 2010-Part 2: Model Simulation with Tagged Tracers. <i>Scientific Online Letters on the Atmosphere</i> , <b>2013</b> , 9, 60-64	2.1	4
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71	Estimation of particulate organic nitrates from thermodenuder aerosol mass spectrometer measurements in the North China Plain. <i>Atmospheric Measurement Techniques</i> , <b>2021</b> , 14, 3693-3705	4	3
70	Chamber simulation on the formation of secondary organic aerosols (SOA) from diesel vehicle exhaust in China <b>2016</b> ,		3
69	Using highly time-resolved online mass spectrometry to examine biogenic and anthropogenic contributions to organic aerosol in Beijing. <i>Faraday Discussions</i> , <b>2021</b> , 226, 382-408	3.6	3
68	Size-resolved characterization of organic aerosol in the North China Plain: new insights from high resolution spectral analysis. <i>Environmental Science Atmospheres</i> , <b>2021</b> , 1, 346-358		3
67	Introduction to Special Issue In-depth study of air pollution sources and processes within Beijing and its surrounding region (APHH-Beijing) <b>2018</b> ,		3
66	Mixing characteristics of refractory black carbon aerosols determined by a tandem CPMA-SP2 system at an urban site in Beijing <b>2019</b> ,		2
65	Elevated levels of OH observed in haze events during wintertime in central Beijing <b>2020</b> ,		2

64	Photochemical impacts of haze pollution in an urban environment <b>2019</b> ,		2
63	Real-time online measurements of the inorganic and organic composition of haze fine particles with an Aerosol Chemical Speciation Monitor (ACSM). <i>Chinese Science Bulletin</i> , <b>2013</b> , 58, 3818-3828	2.9	2
62	Nitrate and secondary organic aerosol dominated particle light extinction in Beijing due to clean air action. <i>Atmospheric Environment</i> , <b>2022</b> , 269, 118833	5.3	2
61	Analysis of Chemical Composition, Source and Processing Characteristics of Submicron Aerosol during the Summer in Beijing, China. <i>Aerosol and Air Quality Research</i> , <b>2019</b> , 19, 1450-1462	4.6	2
60	Estimation of particulate organic nitrates from thermodenuder-aerosol mass spectrometer measurements in North China Plain		2
59	Evaluation of a New Aerosol Chemical Speciation Monitor (ACSM) System at an Urban Site in Atlanta, GA: The Use of Capture Vaporizer and PM <sub>2.5</sub> Inlet. <i>ACS Earth and Space Chemistry</i> , <b>2021</b> , 5, 2565-2576	3.2	2
58	Influence of organic aerosol composition determined by offline FIGAERO-CIMS on particle absorptive properties in autumn Beijing		2
57	Heterogeneous sulfate aerosol formation mechanisms during wintertime Chinese haze events: Air quality model assessment using observations of sulfate oxygen isotopes in Beijing <b>2019</b> ,		2
56	Quantification of different processes in the rapid formation of a regional haze episode in north China using an integrated analysis tool coupling source apportionment with process analysis. <i>Atmospheric Pollution Research</i> , <b>2021</b> , 12, 159-172	4.5	2
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54	Investigating three patterns of new particles growing to the size of cloud condensation nuclei in Beijing's urban atmosphere. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 183-200	6.8	2
53	Contrasting physical properties of black carbon in urban Beijing between winter and summer <b>2018</b> ,		2
52	Possible heterogeneous hydroxymethanesulfonate (HMS) chemistry in northern China winter haze and implications for rapid sulfate formation <b>2018</b> ,		2
51	Fine particle pH for Beijing winter haze as inferred from different thermodynamic equilibrium models <b>2018</b> ,		2
50	Insights into vertical differences of particle number size distributions in winter in Beijing, China. <i>Science of the Total Environment</i> , <b>2022</b> , 802, 149695	10.2	2
49	Size segregated particle number and mass emissions in urban Beijing <b>2020</b> ,		1
48	Field characterization of the PM <sub>2.5</sub> ; Aerosol Chemical Speciation Monitor: insights into the composition, sources and processes of fine particles in Eastern China <b>2017</b> ,		1
47	Simultaneous measurements of particle number size distributions at ground level and 260 m on a meteorological tower in urban Beijing, China <b>2017</b> ,		1

46	Source apportionment of organic aerosol from two-year highly time-resolved measurements by an aerosol chemical speciation monitor in Beijing, China <b>2018</b> ,		1
45	Unexpected Increases of Severe Haze Pollution During the Post COVID-19 Period: Effects of Emissions, Meteorology, and Secondary Production. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2022</b> , 127,	4.4	1
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43	Synergistic effect of reductions in multiple gaseous precursors on secondary inorganic aerosols in winter under a meteorology-based redistributed daily NH emission inventory within the Beijing-Tianjin-Hebei region, China.. <i>Science of the Total Environment</i> , <b>2022</b> , 821, 153383	10.2	1
42	Mixing state of refractory black carbon in fog and haze at rural sites in winter on the North China Plain. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 17631-17648	6.8	1
41	Investigation of sources and formation mechanisms of fine particles and organic aerosols in cold season in Fenhe Plain, China. <i>Atmospheric Research</i> , <b>2022</b> , 268, 106018	5.4	1
40	Comparative Assessment of Cooking Emission Contributions to Urban Organic Aerosol Using Online Molecular Tracers and Aerosol Mass Spectrometry Measurements. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 14526-14535	10.3	1
39	Measurements of higher alkanes using NO <sub>x</sub> -PTR-ToF-MS: significant contributions of higher alkanes to secondary organic aerosols in China <b>2020</b> ,		1
38	Investigating the importance of sub-grid particle formation in point source plumes over eastern China using IAP-AACM v1.0 with a sub-grid parameterization. <i>Geoscientific Model Development</i> , <b>2021</b> , 14, 4411-4428	6.3	1
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36	Modeling of aerosol property evolution during winter haze episodes over a megacity cluster in northern China: Roles of regional transport and heterogeneous reactions <b>2018</b> ,		1
35	Aerosol chemistry and particle growth events at an urban downwind site in the North China Plain <b>2018</b> ,		1
34	High efficiency of livestock ammonia emission controls on alleviating particulate nitrate during a severe winter haze episode in northern China <b>2018</b> ,		1
33	Characterization of black carbon-containing fine particles in Beijing during wintertime <b>2018</b> ,		1
32	Spatial and temporal variations of CO <sub>2</sub> mole fractions observed at Beijing, Xianghe, and Xinglong in North China. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 11741-11757	6.8	1
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29	Molecular characterization and spatial distribution of dicarboxylic acids and related compounds in fresh snow in China. <i>Environmental Pollution</i> , <b>2021</b> , 291, 118114	9.3	1

28	High crop yield losses induced by potential HONO sources - A modelling study in the North China Plain. <i>Science of the Total Environment</i> , <b>2022</b> , 803, 149929	10.2	1
27	Brown carbon from biomass burning imposes strong circum-Arctic warming. <i>One Earth</i> , <b>2022</b> , 5, 293-3048.1		1
26	The importance of hydroxymethanesulfonate (HMS) in winter haze episodes in North China Plain.. <i>Environmental Research</i> , <b>2022</b> , 113074	7.9	1
25	Influence of organic aerosol molecular composition on particle absorptive properties in autumn Beijing. <i>Atmospheric Chemistry and Physics</i> , <b>2022</b> , 22, 1251-1269	6.8	0
24	Secondary organic aerosol formation and aging from ambient air in an oxidation flow reactor during wintertime in Beijing, China.. <i>Environmental Research</i> , <b>2022</b> , 209, 112751	7.9	0
23	Latitudinal difference in the molecular distributions of lipid compounds in the forest atmosphere in China. <i>Environmental Pollution</i> , <b>2021</b> , 294, 118578	9.3	0
22	Evolution of Aerosol Under Moist and Fog Conditions in a Rural Forest Environment: Insights From High-Resolution Aerosol Mass Spectrometry. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL089714	4.9	0
21	A Large Impact of Cooking Organic Aerosol (COA) on Particle Hygroscopicity and CCN Activity in Urban Atmosphere. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2020JD033628	4.4	0
20	Cross-boundary transport and source apportionment for PM in a typical industrial city in the Hebei Province, China: A modeling study.. <i>Journal of Environmental Sciences</i> , <b>2022</b> , 115, 465-473	6.4	0
19	Contrasting aerosol growth potential in the northern and central-southern regions of the North China Plain: Implications for combating regional pollution. <i>Atmospheric Environment</i> , <b>2021</b> , 118723	5.3	0
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13	Rapid transition of aerosol optical properties and water-soluble organic aerosols in cold season in Fenwei Plain.. <i>Science of the Total Environment</i> , <b>2022</b> , 154661	10.2	0
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2	The importance of hydroxymethanesulfonate (HMS) in winter haze episodes in North China Plain.. <i>Environmental Research</i> , <b>2022</b> , 211, 113093	7.9	
1	Dwindling aromatic compounds in fine aerosols from chunk coal to honeycomb briquette combustion. <i>Science of the Total Environment</i> , <b>2022</b> , 838, 155971	10.2	