

YeLe Sun

List of Publications by Year in Descending Order

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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	Influence of organic aerosol molecular composition on particle absorptive properties in autumn Beijing. <i>Atmospheric Chemistry and Physics</i> , 2022 , 22, 1251-1269	6.8	0
368	Measurement report: Long-term changes in black carbon and aerosol optical properties from 2012 to 2020 in Beijing, China. <i>Atmospheric Chemistry and Physics</i> , 2022 , 22, 561-575	6.8	4
367	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> , 2022 , 127,	4.4	1
366	Dynamic variations of ammonia in various life spaces and seasons and the influences of human activities. <i>Building and Environment</i> , 2022 , 212, 108820	6.5	1
365	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> , 2022 , 821, 153383	10.2	1
364	Secondary organic aerosol formation and aging from ambient air in an oxidation flow reactor during wintertime in Beijing, China.. <i>Environmental Research</i> , 2022 , 209, 112751	7.9	0
363	Nitrate and secondary organic aerosol dominated particle light extinction in Beijing due to clean air action. <i>Atmospheric Environment</i> , 2022 , 269, 118833	5.3	2
362	Investigation of sources and formation mechanisms of fine particles and organic aerosols in cold season in Fenhe Plain, China. <i>Atmospheric Research</i> , 2022 , 268, 106018	5.4	1
361	Impact of sub-grid particle formation in sulfur-rich plumes on particle mass and number concentrations over China. <i>Atmospheric Environment</i> , 2022 , 268, 118711	5.3	
360	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> , 2022 , 115, 465-473	6.4	0
359	High crop yield losses induced by potential HONO sources - A modelling study in the North China Plain. <i>Science of the Total Environment</i> , 2022 , 803, 149929	10.2	1
358	Insights into vertical differences of particle number size distributions in winter in Beijing, China. <i>Science of the Total Environment</i> , 2022 , 802, 149695	10.2	2
357	Brown carbon from biomass burning imposes strong circum-Arctic warming. <i>One Earth</i> , 2022 , 5, 293-3048.1		1
356	The importance of hydroxymethanesulfonate (HMS) in winter haze episodes in North China Plain.. <i>Environmental Research</i> , 2022 , 113074	7.9	1
355	Transport Patterns and Potential Sources of Atmospheric Pollution during the XXIV Olympic Winter Games Period.. <i>Advances in Atmospheric Sciences</i> , 2022 , 1-15	2.9	0
354	Measurement report: On the difference in aerosol hygroscopicity between high and low relative humidity conditions in the North China Plain. <i>Atmospheric Chemistry and Physics</i> , 2022 , 22, 4599-4613	6.8	0
353	Quantitative attribution of wintertime haze in coastal east China to local emission and regional intrusion under a stagnant internal boundary layer. <i>Atmospheric Environment</i> , 2022 , 276, 119006	5.3	0

352	Particle number size distribution of PM1 and PM10 in fogs and implications on fog droplet evolutions. <i>Atmospheric Environment</i> , 2022 , 277, 119086	5.3	0
351	An integrated air quality modeling system coupling regional-urban and street models in Beijing. <i>Urban Climate</i> , 2022 , 43, 101143	6.8	
350	Submicron-scale aerosol above the city canopy in Beijing in spring based on in-situ meteorological tower measurements. <i>Atmospheric Research</i> , 2022 , 271, 106128	5.4	0
349	Rapid transition of aerosol optical properties and water-soluble organic aerosols in cold season in Fenwei Plain.. <i>Science of the Total Environment</i> , 2022 , 154661	10.2	0
348	The importance of hydroxymethanesulfonate (HMS) in winter haze episodes in North China Plain.. <i>Environmental Research</i> , 2022 , 211, 113093	7.9	
347	Influence of Aerosol Chemical Composition on Condensation Sink Efficiency and New Particle Formation in Beijing.. <i>Environmental Science and Technology Letters</i> , 2022 , 9, 375-382	11	0
346	Does Ambient Secondary Conversion or the Prolonged Fast Conversion in Combustion Plumes Cause Severe PM2.5 Air Pollution in China?. <i>Atmosphere</i> , 2022 , 13, 673	2.7	0
345	Secondary organic aerosol formation and source contributions over east China in summertime.. <i>Environmental Pollution</i> , 2022 , 306, 119383	9.3	0
344	Machine learning elucidates the impact of short-term emission changes on air pollution in Beijing. <i>Atmospheric Environment</i> , 2022 , 283, 119192	5.3	0
343	Dwindling aromatic compounds in fine aerosols from chunk coal to honeycomb briquette combustion. <i>Science of the Total Environment</i> , 2022 , 838, 155971	10.2	
342	Characteristics and source apportionment of black carbon aerosol in the North China Plain. <i>Atmospheric Research</i> , 2022 , 276, 106246	5.4	0
341	Sources and processes of organic aerosol in non-refractory PM1 and PM2.5 during foggy and haze episodes in an urban environment of the Yangtze River Delta, China. <i>Environmental Research</i> , 2022 , 113557	7.9	0
340	Measurement report: Optical properties and sources of water-soluble brown carbon in Tianjin, North China Insights from organic molecular compositions. <i>Atmospheric Chemistry and Physics</i> , 2022 , 22, 6449-6470	6.8	0
339	Latitudinal difference in the molecular distributions of lipid compounds in the forest atmosphere in China. <i>Environmental Pollution</i> , 2021 , 294, 118578	9.3	0
338	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> , 2021 , 21, 17631-17648	6.8	1
337	Impacts of biogenic emissions from urban landscapes on summer ozone and secondary organic aerosol formation in megacities.. <i>Science of the Total Environment</i> , 2021 , 152654	10.2	4
336	Comparative Assessment of Cooking Emission Contributions to Urban Organic Aerosol Using Online Molecular Tracers and Aerosol Mass Spectrometry Measurements. <i>Environmental Science & Technology</i> , 2021 , 55, 14526-14535	10.3	1
335	Evaluation of a New Aerosol Chemical Speciation Monitor (ACSM) System at an Urban Site in Atlanta, GA: The Use of Capture Vaporizer and PM2.5 Inlet. <i>ACS Earth and Space Chemistry</i> , 2021 , 5, 2565 ^{3,2} 2576 ²		

334	Temporal variations and spatial distributions of gaseous and particulate air pollutants and their health risks during 2015-2019 in China. <i>Environmental Pollution</i> , 2021 , 272, 116031	9.3	23
333	Vertical Distributions of Primary and Secondary Aerosols in Urban Boundary Layer: Insights into Sources, Chemistry, and Interaction with Meteorology. <i>Environmental Science & Technology</i> , 2021 , 55, 4542-4552	10.3	5
332	Sulfate formation is dominated by manganese-catalyzed oxidation of SO on aerosol surfaces during haze events. <i>Nature Communications</i> , 2021 , 12, 1993	17.4	47
331	Atmospheric conditions and composition that influence PM oxidative potential in Beijing, China. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 5549-5573	6.8	4
330	Control of particulate nitrate air pollution in China. <i>Nature Geoscience</i> , 2021 , 14, 389-395	18.3	28
329	Organic aerosol volatility and viscosity in the North China Plain: contrast between summer and winter. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 5463-5476	6.8	7
328	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> , 2021 , 126, e2020JD033628	4.4	0
327	Real-time characterization of aerosol particle composition, sources and influences of increased ventilation and humidity in an office. <i>Indoor Air</i> , 2021 , 31, 1364-1376	5.4	5
326	Estimation of particulate organic nitrates from thermodenuder aerosol mass spectrometer measurements in the North China Plain. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 3693-3705	4	3
325	Light absorption of black carbon and brown carbon in winter in North China Plain: comparisons between urban and rural sites. <i>Science of the Total Environment</i> , 2021 , 770, 144821	10.2	10
324	Source apportionment of carbonaceous aerosols in Beijing with radiocarbon and organic tracers: insight into the differences between urban and rural sites. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 8273-8292	6.8	4
323	Source apportionment of fine organic carbon at an urban site of Beijing using a chemical mass balance model. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 7321-7341	6.8	8
322	Secondary aerosol formation alters CCN activity in the North China Plain. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 7409-7427	6.8	6
321	Aerosol characterization in a city in central China plain and implications for emission control. <i>Journal of Environmental Sciences</i> , 2021 , 104, 242-252	6.4	4
320	Global/Regional nested simulation of particle number concentration by combing microphysical processes with an evolving organic aerosol module. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 9343-9366	6.8	5
319	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> , 2021 , 14, 4411-4428	6.3	1
318	The impact of the atmospheric turbulence-development tendency on new particle formation: a common finding on three continents. <i>National Science Review</i> , 2021 , 8, nwa157	10.8	4
317	An evaluation of source apportionment of fine OC and PM by multiple methods: APHH-Beijing campaigns as a case study. <i>Faraday Discussions</i> , 2021 , 226, 290-313	3.6	6

316	Insights into air pollution chemistry and sulphate formation from nitrous acid (HONO) measurements during haze events in Beijing. <i>Faraday Discussions</i> , 2021 , 226, 223-238	3.6	4
315	Light absorption properties and potential sources of brown carbon in Fenwei Plain during winter 2018-2019. <i>Journal of Environmental Sciences</i> , 2021 , 102, 53-63	6.4	8
314	Chemical formation pathways of secondary organic aerosols in the Beijing-Tianjin-Hebei region in wintertime. <i>Atmospheric Environment</i> , 2021 , 244, 117996	5.3	9
313	Long-term characterization of aerosol chemistry in cold season from 2013 to 2020 in Beijing, China. <i>Environmental Pollution</i> , 2021 , 268, 115952	9.3	15
312	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> , 2021 , 12, 159-172	4.5	2
311	Specific sources of health risks induced by metallic elements in PM _{2.5} during the wintertime in Beijing, China. <i>Atmospheric Environment</i> , 2021 , 246, 118112	5.3	9
310	Characteristics and sources of water-soluble organic aerosol in a heavily polluted environment in Northern China. <i>Science of the Total Environment</i> , 2021 , 758, 143970	10.2	4
309	Chemical formation and source apportionment of PM at an urban site at the southern foot of the Taihang mountains. <i>Journal of Environmental Sciences</i> , 2021 , 103, 20-32	6.4	4
308	Source apportionment of PM _{2.5} in the most polluted Central Plains Economic Region in China: Implications for joint prevention and control of atmospheric pollution. <i>Journal of Cleaner Production</i> , 2021 , 283, 124557	10.3	5
307	Molecular characterization of size-segregated organic aerosols in the urban boundary layer in wintertime Beijing by FT-ICR MS. <i>Faraday Discussions</i> , 2021 , 226, 457-478	3.6	4
306	Using a coupled LES aerosol-radiation model to investigate the importance of aerosol-boundary layer feedback in a Beijing haze episode. <i>Faraday Discussions</i> , 2021 , 226, 173-190	3.6	2
305	A 3D study on the amplification of regional haze and particle growth by local emissions. <i>Npj Climate and Atmospheric Science</i> , 2021 , 4,	8	13
304	High Molecular Diversity of Organic Nitrogen in Urban Snow in North China. <i>Environmental Science & Technology</i> , 2021 , 55, 4344-4356	10.3	6
303	Microscopic Evidence for Phase Separation of Organic Species and Inorganic Salts in Fine Ambient Aerosol Particles. <i>Environmental Science & Technology</i> , 2021 , 55, 2234-2242	10.3	9
302	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> , 2021 , 21, 183-200	6.8	2
301	Using highly time-resolved online mass spectrometry to examine biogenic and anthropogenic contributions to organic aerosol in Beijing. <i>Faraday Discussions</i> , 2021 , 226, 382-408	3.6	3
300	Size-resolved characterization of organic aerosol in the North China Plain: new insights from high resolution spectral analysis. <i>Environmental Science Atmospheres</i> , 2021 , 1, 346-358		3
299	Key Role of NO Radicals in the Production of Isoprene Nitrates and Nitrooxyorganosulfates in Beijing. <i>Environmental Science & Technology</i> , 2021 , 55, 842-853	10.3	9

298	Aqueous production of secondary organic aerosol from fossil-fuel emissions in winter Beijing haze. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	23
297	Evaluating the sensitivity of radical chemistry and ozone formation to ambient VOCs and NO _x in Beijing. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 2125-2147	6.8	22
296	Persistent residential burning-related primary organic particles during wintertime hazes in North China: insights into their aging and optical changes. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 2251-2265	6.8	9
295	Hygroscopicity of Organic Aerosols Linked to Formation Mechanisms. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL091683	4.9	7
294	Increase of nitrooxy organosulfates in firework-related urban aerosols during Chinese New Year's Eve. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 11453-11465	6.8	5
293	Spatial and temporal variations of CO ₂ mole fractions observed at Beijing, Xianghe, and Xinglong in North China. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 11741-11757	6.8	1
292	Important Role of NO Radical to Nitrate Formation Aloft in Urban Beijing: Insights from Triple Oxygen Isotopes Measured at the Tower. <i>Environmental Science & Technology</i> , 2021 ,	10.3	7
291	Measurement report: Vertical distribution of biogenic and anthropogenic secondary organic aerosols in the urban boundary layer over Beijing during late summer. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 12949-12963	6.8	1
290	Mixing characteristics of black carbon aerosols in a coastal city using the CPMA-SP2 system. <i>Atmospheric Research</i> , 2021 , 105867	5.4	1
289	Evaluation of the contribution of new particle formation to cloud droplet number concentration in the urban atmosphere. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 14293-14308	6.8	
288	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> , 2021 , 118723	5.3	0
287	Molecular characterization and spatial distribution of dicarboxylic acids and related compounds in fresh snow in China. <i>Environmental Pollution</i> , 2021 , 291, 118114	9.3	1
286	Multiphase chemistry experiment in Fogs and Aerosols in the North China Plain (McFAN): integrated analysis and intensive winter campaign 2018. <i>Faraday Discussions</i> , 2021 , 226, 207-222	3.6	10
285	High-resolution vertical distribution and sources of HONO and NO ₂ in the nocturnal boundary layer in urban Beijing, China. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 5071-5092	6.8	21
284	Size segregated particle number and mass emissions in urban Beijing 2020 ,		1
283	Influence of the morphological change in natural Asian dust during transport: A modeling study for a typical dust event over northern China. <i>Science of the Total Environment</i> , 2020 , 739, 139791	10.2	3
282	Mixing characteristics of refractory black carbon aerosols at an urban site in Beijing. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 5771-5785	6.8	14
281	Seasonal characterization of aerosol composition and sources in a polluted city in Central China. <i>Chemosphere</i> , 2020 , 258, 127310	8.4	10

280	Elevated levels of OH observed in haze events during wintertime in central Beijing 2020 ,		2
279	Characterizing the ratio of nitrate to sulfate in ambient fine particles of urban Beijing during 2018-2019. <i>Atmospheric Environment</i> , 2020 , 237, 117662	5.3	10
278	Fast sulfate formation from oxidation of SO by NO and HONO observed in Beijing haze. <i>Nature Communications</i> , 2020 , 11, 2844	17.4	82
277	Effect of aerosol composition on the performance of low-cost optical particle counter correction factors. <i>Atmospheric Measurement Techniques</i> , 2020 , 13, 1181-1193	4	20
276	Characterising mass-resolved mixing state of black carbon in Beijing using a morphology-independent measurement method. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 3645-3661	6.8	14
275	Distinct diurnal variation in organic aerosol hygroscopicity and its relationship with oxygenated organic aerosol. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 865-880	6.8	22
274	Source forensics of n-alkanes and n-fatty acids in urban aerosols using compound specific radiocarbon/stable carbon isotopic composition. <i>Environmental Research Letters</i> , 2020 , 15, 074007	6.2	3
273	Large contributions of biogenic and anthropogenic sources to fine organic aerosols in Tianjin, North China. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 117-137	6.8	19
272	Contrasting size-resolved hygroscopicity of fine particles derived by HTDMA and HR-ToF-AMS measurements between summer and winter in Beijing: the impacts of aerosol aging and local emissions. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 915-929	6.8	18
271	Photochemical Aqueous-Phase Reactions Induce Rapid Daytime Formation of Oxygenated Organic Aerosol on the North China Plain. <i>Environmental Science & Technology</i> , 2020 , 54, 3849-3860	10.3	42
270	Molecular characterization of firework-related urban aerosols using Fourier transform ion cyclotron resonance mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 6803-6820	6.8	9
269	Mass spectral characterization of primary emissions and implications in source apportionment of organic aerosol. <i>Atmospheric Measurement Techniques</i> , 2020 , 13, 3205-3219	4	12
268	Measurement report: Vertical distribution of atmospheric particulate matter within the urban boundary layer in southern China & size-segregated chemical composition and secondary formation through cloud processing and heterogeneous reactions. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 6435-6453	6.8	8
267	Molecular and spatial distributions of dicarboxylic acids, oxocarboxylic acids, and <i>i>-dicarbonyls in marine aerosols from the South China Sea to the eastern Indian Ocean. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 6841-6860	6.8	9
266	A review of aerosol chemistry in Asia: insights from aerosol mass spectrometer measurements. <i>Environmental Sciences: Processes and Impacts</i> , 2020 , 22, 1616-1653	4.3	25
265	Contribution of Particulate Nitrate Photolysis to Heterogeneous Sulfate Formation for Winter Haze in China. <i>Environmental Science and Technology Letters</i> , 2020 , 7, 632-638	11	25
264	Strong anthropogenic control of secondary organic aerosol formation from isoprene in Beijing. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 7531-7552	6.8	18
263	Contrasting mixing state of black carbon-containing particles in summer and winter in Beijing. <i>Environmental Pollution</i> , 2020 , 263, 114455	9.3	10

262	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> , 2020 , 742, 140739	10.2	91
261	Significant contribution of organics to aerosol liquid water content in winter in Beijing, China. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 901-914	6.8	22
260	Chemical Differences Between PM1 and PM2.5 in Highly Polluted Environment and Implications in Air Pollution Studies. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL086288	4.9	43
259	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> , 2020 , 117, 3960-3966	11.5	73
258	Predicting cloud condensation nuclei number concentration based on conventional measurements of aerosol properties in the North China Plain. <i>Science of the Total Environment</i> , 2020 , 719, 137473	10.2	4
257	Increase of High Molecular Weight Organosulfate With Intensifying Urban Air Pollution in the Megacity Beijing. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2019JD032200	4.4	12
256	The large proportion of black carbon (BC)-containing aerosols in the urban atmosphere. <i>Environmental Pollution</i> , 2020 , 263, 114507	9.3	10
255	Fine particle characterization in a coastal city in China: composition, sources, and impacts of industrial emissions. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 2877-2890	6.8	17
254	Molecular markers of biomass burning and primary biological aerosols in urban Beijing: size distribution and seasonal variation. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 3623-3644	6.8	12
253	Emergency Response Measures to Alleviate a Severe Haze Pollution Event in Northern China during December 2015: Assessment of Effectiveness. <i>Aerosol and Air Quality Research</i> , 2020 , 20, 2098-2116	4.6	5
252	Vertical distribution of particle-phase dicarboxylic acids, oxoacids and α -dicarbonyls in the urban boundary layer based on the 325 m tower in Beijing. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 10331-10350	6.8	5
251	Measurement report: Characterization of severe spring haze episodes and influences of long-range transport in the Seoul metropolitan area in March 2019. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 11527-11550	6.8	14
250	Model bias in simulating major chemical components of PM _{2.5} in China. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 12265-12284	6.8	12
249	Size-segregated particle number and mass concentrations from different emission sources in urban Beijing. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 12721-12740	6.8	17
248	Characterization of submicron organic particles in Beijing during summertime: comparison between SP-AMS and HR-AMS. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 14091-14102	6.8	8
247	Measurements of higher alkanes using NO ⁺ ; chemical ionization in PTR-ToF-MS: important contributions of higher alkanes to secondary organic aerosols in China. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 14123-14138	6.8	12
246	Elevated levels of OH observed in haze events during wintertime in central Beijing. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 14847-14871	6.8	29
245	Characterization of submicron particles by time-of-flight aerosol chemical speciation monitor (ToF-ACSM) during wintertime: aerosol composition, sources, and chemical processes in Guangzhou, China. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 7595-7615	6.8	16

244	An interlaboratory comparison of aerosol inorganic ion measurements by ion chromatography: implications for aerosol pH estimate. <i>Atmospheric Measurement Techniques</i> , 2020 , 13, 6325-6341	4	9
243	Effect of vertical parameterization of a missing daytime source of HONO on concentrations of HONO, O ₃ and secondary organic aerosols in eastern China. <i>Atmospheric Environment</i> , 2020 , 226, 117208 ⁵³	5.3	3
242	Molecular composition and sources of water-soluble organic aerosol in summer in Beijing. <i>Chemosphere</i> , 2020 , 255, 126850	8.4	5
241	Changes of Emission Sources to Nitrate Aerosols in Beijing After the Clean Air Actions: Evidence From Dual Isotope Compositions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2019JD031998	4.4	12
240	High daytime abundance of primary organic aerosols over Mt. Emei, Southwest China in summer. <i>Science of the Total Environment</i> , 2020 , 703, 134475	10.2	7
239	Impact of Arctic amplification on declining spring dust events in East Asia. <i>Climate Dynamics</i> , 2020 , 54, 1913-1935	4.2	17
238	Air quality, nitrogen use efficiency and food security in China are improved by cost-effective agricultural nitrogen management. <i>Nature Food</i> , 2020 , 1, 648-658	14.4	43
237	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> , 2020 , 47, e2020GL089714	4.9	0
236	Effects of Regional Transport on Haze in the North China Plain: Transport of Precursors or Secondary Inorganic Aerosols. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL087461	4.9	9
235	Impacts of water partitioning and polarity of organic compounds on secondary organic aerosol over eastern China. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 7291-7306	6.8	5
234	Dust-Dominated Coarse Particles as a Medium for Rapid Secondary Organic and Inorganic Aerosol Formation in Highly Polluted Air. <i>Environmental Science & Technology</i> , 2020 , 54, 15710-15721	10.3	14
233	Transport Patterns, Size Distributions, and Depolarization Characteristics of Dust Particles in East Asia in Spring 2018. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2019JD031752	4.4	6
232	Measurements of higher alkanes using NO ₂ ⁺ PTR-ToF-MS: significant contributions of higher alkanes to secondary organic aerosols in China 2020 ,		1
231	Study of Secondary Organic Aerosol Formation from Chlorine Radical-Initiated Oxidation of Volatile Organic Compounds in a Polluted Atmosphere Using a 3D Chemical Transport Model. <i>Environmental Science & Technology</i> , 2020 , 54, 13409-13418	10.3	12
230	Roles of Sulfur Oxidation Pathways in the Variability in Stable Sulfur Isotopic Composition of Sulfate Aerosols at an Urban Site in Beijing, China. <i>Environmental Science and Technology Letters</i> , 2020 , 7, 883-888	11	7
229	Quantitative Determination of Hydroxymethanesulfonate (HMS) Using Ion Chromatography and UHPLC-LTQ-Orbitrap Mass Spectrometry: A Missing Source of Sulfur during Haze Episodes in Beijing. <i>Environmental Science and Technology Letters</i> , 2020 , 7, 701-707	11	10
228	Persistent Nonagricultural and Periodic Agricultural Emissions Dominate Sources of Ammonia in Urban Beijing: Evidence from N Stable Isotope in Vertical Profiles. <i>Environmental Science & Technology</i> , 2020 , 54, 102-109	10.3	16
227	Vertical profiles of particle light extinction coefficient in the lower troposphere in Shanghai in winter based on tethered airship measurements. <i>Chemosphere</i> , 2020 , 238, 124634	8.4	5

226	Mixing characteristics of refractory black carbon aerosols determined by a tandem CPMA-SP2 system at an urban site in Beijing 2019 ,		2
225	Effects of Molecular-Level Compositional Variability in Organic Aerosol on Phase State and Thermodynamic Mixing Behavior. <i>Environmental Science & Technology</i> , 2019 , 53, 13009-13018	10.3	13
224	Water-soluble low molecular weight organics in cloud water at Mt. Tai Mo Shan, Hong Kong. <i>Science of the Total Environment</i> , 2019 , 697, 134095	10.2	3
223	Response of aerosol chemistry to clean air action in Beijing, China: Insights from two-year ACSM measurements and model simulations. <i>Environmental Pollution</i> , 2019 , 255, 113345	9.3	46
222	Summertime aerosol volatility measurements in Beijing, China. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 10205-10216	6.8	20
221	Characterization of black carbon-containing fine particles in Beijing during wintertime. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 447-458	6.8	51
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206	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> , 2019 , 19, 6107-6123	6.8	82
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201	Possible heterogeneous chemistry of hydroxymethanesulfonate (HMS) in northern China winter haze. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 1357-1371	6.8	63
200	Variations and sources of nitrous acid (HONO) during a severe pollution episode in Beijing in winter 2016. <i>Science of the Total Environment</i> , 2019 , 648, 253-262	10.2	42
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163	Contrasting physical properties of black carbon in urban Beijing between winter and summer 2018 ,		2
162	Modeling of aerosol property evolution during winter haze episodes over a megacity cluster in northern China: Roles of regional transport and heterogeneous reactions 2018 ,		1
161	The vertical variability of ammonia in urban Beijing, China. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 16385-16398	6.8	28
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128	Field characterization of the PM _{2.5} ; Aerosol Chemical Speciation Monitor: insights into the composition, sources and processes of fine particles in Eastern China 2017 ,		1
127	Simultaneous measurements of particle number size distributions at ground level and 260 m on a meteorological tower in urban Beijing, China 2017 ,		1
126	Characteristics and Formation Mechanisms of Fine Particulate Nitrate in Typical Urban Areas in China. <i>Atmosphere</i> , 2017 , 8, 62	2.7	42
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1	Influence of organic aerosol composition determined by offline FIGAERO-CIMS on particle absorptive properties in autumn Beijing		2