Yele Sun

List of Publications by Year
in descending order

355 papers	29,026 citations	9775 73 h-index	7944 149 g-index
547 all docs	547 docs citations	547 times ranked	11097 citing authors

#	Article	IF	Citations
1	Evolution of Organic Aerosols in the Atmosphere. Science, 2009, 326, 1525-1529.	6.0	3,374
2	Ubiquity and dominance of oxygenated species in organic aerosols in anthropogenicallyâ€influenced Northern Hemisphere midlatitudes. Geophysical Research Letters, 2007, 34, .	1.5	1,773
3	O/C and OM/OC Ratios of Primary, Secondary, and Ambient Organic Aerosols with High-Resolution Time-of-Flight Aerosol Mass Spectrometry. Environmental Science & Technology, 2008, 42, 4478-4485.	4.6	1,524
4	Understanding atmospheric organic aerosols via factor analysis of aerosol mass spectrometry: a review. Analytical and Bioanalytical Chemistry, 2011, 401, 3045-3067.	1.9	764
5	Chemical Characteristics of PM2.5and PM10in Hazeâ^'Fog Episodes in Beijing. Environmental Science & Technology, 2006, 40, 3148-3155.	4.6	727
6	An Aerosol Chemical Speciation Monitor (ACSM) for Routine Monitoring of the Composition and Mass Concentrations of Ambient Aerosol. Aerosol Science and Technology, 2011, 45, 780-794.	1.5	675
7	The ion chemistry and the source of PM2.5 aerosol in Beijing. Atmospheric Environment, 2005, 39, 3771-3784.	1.9	585
8	Investigation of the sources and evolution processes of severe haze pollution in Beijing in January 2013. Journal of Geophysical Research D: Atmospheres, 2014, 119, 4380-4398.	1.2	581
9	The air-borne particulate pollution in Beijingâ€"concentration, composition, distribution and sources. Atmospheric Environment, 2004, 38, 5991-6004.	1.9	532
10	Aerosol and boundary-layer interactions and impact on air quality. National Science Review, 2017, 4, 810-833.	4.6	524
11	Aerosol composition, sources and processes during wintertime in Beijing, China. Atmospheric Chemistry and Physics, 2013, 13, 4577-4592.	1.9	507
12	Characterization of the sources and processes of organic and inorganic aerosols in New York city with a high-resolution time-of-flight aerosol mass apectrometer. Atmospheric Chemistry and Physics, 2011, 11, 1581-1602.	1.9	378
13	The impact of relative humidity on aerosol composition and evolution processes during wintertime in Beijing, China. Atmospheric Environment, 2013, 77, 927-934.	1.9	330
14	Long-term real-time measurements of aerosol particle composition in Beijing, China: seasonal variations, meteorological effects, and source analysis. Atmospheric Chemistry and Physics, 2015, 15, 10149-10165.	1.9	324
15	Highly time-resolved chemical characterization of atmospheric submicron particles during 2008 Beijing Olympic Games using an Aerodyne High-Resolution Aerosol Mass Spectrometer. Atmospheric Chemistry and Physics, 2010, 10, 8933-8945.	1.9	322
16	The variation of characteristics and formation mechanisms of aerosols in dust, haze, and clear days in Beijing. Atmospheric Environment, 2006, 40, 6579-6591.	1.9	309
17	Characterization of summer organic and inorganic aerosols in Beijing, China with an Aerosol Chemical Speciation Monitor. Atmospheric Environment, 2012, 51, 250-259.	1.9	296
18	Primary and secondary aerosols in Beijing in winter: sources, variations and processes. Atmospheric Chemistry and Physics, 2016, 16, 8309-8329.	1.9	288

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19	Highly time- and size-resolved characterization of submicron aerosol particles in Beijing using an Aerodyne Aerosol Mass Spectrometer. Atmospheric Environment, 2010, 44, 131-140.	1.9	242
20	Speciation of â€œbrownâ€•carbon in cloud water impacted by agricultural biomass burning in eastern China. Journal of Geophysical Research D: Atmospheres, 2013, 118, 7389-7399.	1.2	231
21	Fine-particle pH for Beijing winter haze as inferred from different thermodynamic equilibrium models. Atmospheric Chemistry and Physics, 2018, 18, 7423-7438.	1.9	208
22	Insights into secondary organic aerosol formed via aqueous-phase reactions of phenolic compounds based on high resolution mass spectrometry. Atmospheric Chemistry and Physics, 2010, 10, 4809-4822.	1.9	205
23	Real-time chemical characterization of atmospheric particulate matter in China: A review. Atmospheric Environment, 2017, 158, 270-304.	1.9	203
24	Characteristics and formation mechanism of continuous hazes in China: a case study during the autumn of 2014 in the North China Plain. Atmospheric Chemistry and Physics, 2015, 15, 8165-8178.	1.9	192
25	Effects of Aqueous-Phase and Photochemical Processing on Secondary Organic Aerosol Formation and Evolution in Beijing, China. Environmental Science & Technology, 2017, 51, 762-770.	4.6	179
26	East Asian Study of Tropospheric Aerosols and their Impact on Regional Clouds, Precipitation, and Climate (EASTâ€AIR_{CPC}). Journal of Geophysical Research D: Atmospheres, 2019, 124, 13026-13054.	1.2	175
27	Rapid formation and evolution of an extreme haze episode in Northern China during winter 2015. Scientific Reports, 2016, 6, 27151.	1.6	162
28	Fast sulfate formation from oxidation of SO2 by NO2 and HONO observed in Beijing haze. Nature Communications, 2020, 11, 2844.	5.8	161
29	Effect of aqueous-phase processing on aerosol chemistry and size distributions in Fresno, California, during wintertime. Environmental Chemistry, 2012, 9, 221.	0.7	159
30	â€œAPEC Blueâ€: Secondary Aerosol Reductions from Emission Controls in Beijing. Scientific Reports, 2016, 6, 20668.	1.6	155
31	Changes in Aerosol Chemistry From 2014 to 2016 in Winter in Beijing: Insights From Highâ€Resolution Aerosol Mass Spectrometry. Journal of Geophysical Research D: Atmospheres, 2019, 124, 1132-1147.	1.2	155
32	Long-term monitoring and source apportionment of PM2.5/PM10 in Beijing, China. Journal of Environmental Sciences, 2008, 20, 1323-1327.	3.2	153
33	Characterization of submicron particles influenced by mixed biogenic and anthropogenic emissions using high-resolution aerosol mass spectrometry: results from CARES. Atmospheric Chemistry and Physics, 2012, 12, 8131-8156.	1.9	146
34	Mixing of Asian mineral dust with anthropogenic pollutants over East Asia: a model case study of a super-duststorm in March 2010. Atmospheric Chemistry and Physics, 2012, 12, 7591-7607.	1.9	144
35	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. Atmospheric Chemistry and Physics, 2012, 12, 8359-8375.	1.9	141
36	Control of particulate nitrate air pollution in China. Nature Geoscience, 2021, 14, 389-395.	5.4	139

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37	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. Science of the Total Environment, 2020, 742, 140739.	3.9	138
38	Heterogeneous sulfate aerosol formation mechanisms during wintertime Chinese haze events: air quality model assessment using observations of sulfate oxygen isotopes in Beijing. Atmospheric Chemistry and Physics, 2019, 19, 6107-6123.	1.9	137
39	Rapid formation of a severe regional winter haze episode over a mega-city cluster on the North China Plain. Environmental Pollution, 2017, 223, 605-615.	3.7	136
40	Chemical composition of dust storms in Beijing and implications for the mixing of mineral aerosol with pollution aerosol on the pathway. Journal of Geophysical Research, 2005, 110, .	3.3	135
41	Primary and secondary organic aerosols in Fresno, California during wintertime: Results from high resolution aerosol mass spectrometry. Journal of Geophysical Research, 2012, 117, .	3.3	133
42	An unexpected catalyst dominates formation and radiative forcing of regional haze. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 3960-3966.	3.3	132
43	Air quality, nitrogen use efficiency and food security in China are improved by cost-effective agricultural nitrogen management. Nature Food, 2020, 1, 648-658.	6.2	131
44	Observational study of influence of aerosol hygroscopic growth on scattering coefficient over rural area near Beijing mega-city. Atmospheric Chemistry and Physics, 2009, 9, 7519-7530.	1.9	128
45	Sulfate formation is dominated by manganese-catalyzed oxidation of SO2 on aerosol surfaces during haze events. Nature Communications, 2021, 12, 1993.	5.8	128
46	Aerosol composition and sources during the Chinese Spring Festival: fireworks, secondary aerosol, and holiday effects. Atmospheric Chemistry and Physics, 2015, 15, 6023-6034.	1.9	126
47	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. Environmental Science & Technology, 2015, 49, 11340-11347.	4.6	124
48	Water-soluble part of the aerosol in the dust storm seasonâ€"evidence of the mixing between mineral and pollution aerosols. Atmospheric Environment, 2005, 39, 7020-7029.	1.9	123
49	Size-resolved aerosol chemistry on Whistler Mountain, Canada with a high-resolution aerosol mass spectrometer during INTEX-B. Atmospheric Chemistry and Physics, 2009, 9, 3095-3111.	1.9	119
50	The chemistry of precipitation and its relation to aerosol in Beijing. Atmospheric Environment, 2005, 39, 3397-3406.	1.9	118
51	Aerosol composition, oxidation properties, and sources in Beijing: results from the 2014 Asia-Pacific Economic Cooperation summit study. Atmospheric Chemistry and Physics, 2015, 15, 13681-13698.	1.9	117
52	Insights into characteristics, sources, and evolution of submicron aerosols during harvest seasons in the Yangtze River delta region, China. Atmospheric Chemistry and Physics, 2015, 15, 1331-1349.	1.9	116
53	Characterization and Source Apportionment of Water-Soluble Organic Matter in Atmospheric Fine Particles (PM_{2.5}) with High-Resolution Aerosol Mass Spectrometry and GCâ€"MS. Environmental Science & Technology, 2011, 45, 4854-4861.	4.6	114
54	Factor analysis of combined organic and inorganic aerosol mass spectra from high resolution aerosol mass spectrometer measurements. Atmospheric Chemistry and Physics, 2012, 12, 8537-8551.	1.9	112

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55	Source apportionment of organic aerosol from 2-year highly time-resolved measurements by an aerosol chemical speciation monitor in Beijing, China. Atmospheric Chemistry and Physics, 2018, 18, 8469-8489.	1.9	110
56	Pollution Gradients and Chemical Characterization ofÂParticulateÂMatter from Vehicular Traffic near Major Roadways: Results from the 2009 Queens College Air Quality Study in NYC. Aerosol Science and Technology, 2012, 46, 1201-1218.	1.5	102
57	Synergetic formation of secondary inorganic and organic aerosol: effect of SO₂ and NH₃ on particle formation and growth. Atmospheric Chemistry and Physics, 2016, 16, 14219-14230.	1.9	102
58	The evolution of chemical components of aerosols at five monitoring sites of China during dust storms. Atmospheric Environment, 2007, 41, 1091-1106.	1.9	100
59	Characteristics and sources of submicron aerosols above the urban canopy (260 m) in Beijing, China, during the 2014 APEC summit. Atmospheric Chemistry and Physics, 2015, 15, 12879-12895.	1.9	100
60	A conceptual framework for mixing structures in individual aerosol particles. Journal of Geophysical Research D: Atmospheres, 2016, 121, 13,784.	1.2	98
61	Possible heterogeneous chemistry of hydroxymethanesulfonate (HMS) in northern China winter haze. Atmospheric Chemistry and Physics, 2019, 19, 1357-1371.	1.9	97
62	Highly time-resolved urban aerosol characteristics during springtime in Yangtze River Delta, China: insights from soot particle aerosol mass spectrometry. Atmospheric Chemistry and Physics, 2016, 16, 9109-9127.	1.9	96
63	Introduction to the special issue â€œIn-depth study of air pollution sources and processes within Beijing and its surrounding region (APHH-Beijing)â€. Atmospheric Chemistry and Physics, 2019, 19, 7519-7546.	1.9	95
64	Fluorescent water-soluble organic aerosols in the High Arctic atmosphere. Scientific Reports, 2015, 5, 9845.	1.6	94
65	Characteristics and sources of lead pollution after phasing out leaded gasoline in Beijing. Atmospheric Environment, 2006, 40, 2973-2985.	1.9	93
66	Aerosol characterization over the North China Plain: Haze life cycle and biomass burning impacts in summer. Journal of Geophysical Research D: Atmospheres, 2016, 121, 2508-2521.	1.2	93
67	Chemical composition of aerosol particles and light extinction apportionment before and during the heating season in Beijing, China. Journal of Geophysical Research D: Atmospheres, 2015, 120, 12708-12722.	1.2	91
68	Insights into aerosol chemistry during the 2015 China Victory Day parade: results from simultaneous measurements at ground level and 260â€¯m in Beijing. Atmospheric Chemistry and Physics, 2017, 17, 3215-3232.	1.9	90
69	Contrasting physical properties of black carbon in urban Beijing between winter and summer. Atmospheric Chemistry and Physics, 2019, 19, 6749-6769.	1.9	89
70	Mixing of Asian dust with pollution aerosol and the transformation of aerosol components during the dust storm over China in spring 2007. Journal of Geophysical Research, 2010, 115, .	3.3	87
71	Photochemical Aqueous-Phase Reactions Induce Rapid Daytime Formation of Oxygenated Organic Aerosol on the North China Plain. Environmental Science & Technology, 2020, 54, 3849-3860.	4.6	85
72	Radiative and heterogeneous chemical effects of aerosols on ozone and inorganic aerosols over East Asia. Science of the Total Environment, 2018, 622-623, 1327-1342.	3.9	84

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73	Characterization of black carbon-containing fine particles in Beijing during wintertime. Atmospheric Chemistry and Physics, 2019, 19, 447-458.	1.9	84
74	Primary biogenic and anthropogenic sources of organic aerosols in Beijing, China: Insights from saccharides and n-alkanes. Environmental Pollution, 2018, 243, 1579-1587.	3.7	78
75	Correlation of black carbon aerosol and carbon monoxide in the high-altitude environment of Mt. Huang in Eastern China. Atmospheric Chemistry and Physics, 2011, 11, 9735-9747.	1.9	77
76	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, .	3.3	75
77	Characteristics and sources of polycyclic aromatic hydrocarbons and fatty acids in PM2.5 aerosols in dust season in China. Atmospheric Environment, 2006, 40, 3251-3262.	1.9	74
78	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.	3.7	74
79	Microfluidic Electrochemical Sensor for On-Line Monitoring of Aerosol Oxidative Activity. Journal of the American Chemical Society, 2012, 134, 10562-10568.	6.6	73
80	Vertical characterization of aerosol optical properties and brown carbon in winter in urban Beijing, China. Atmospheric Chemistry and Physics, 2019, 19, 165-179.	1.9	73
81	Chemical Differences Between PM₁ and PM_{2.5} in Highly Polluted Environment and Implications in Air Pollution Studies. Geophysical Research Letters, 2020, 47, e2019GL086288.	1.5	72
82	Aerosol hygroscopicity and cloud condensation nuclei activity during the AC³Exp campaign: implications for cloud condensation nuclei parameterization. Atmospheric Chemistry and Physics, 2014, 14, 13423-13437.	1.9	71
83	Modeling study of surface ozone source-receptor relationships in East Asia. Atmospheric Research, 2016, 167, 77-88.	1.8	71
84	Formation of secondary aerosols from gasoline vehicle exhaust when mixing with SO₂. Atmospheric Chemistry and Physics, 2016, 16, 675-689.	1.9	70
85	Vertically resolved characteristics of air pollution during two severe winter haze episodes in urban Beijing, China. Atmospheric Chemistry and Physics, 2018, 18, 2495-2509.	1.9	69
86	Observation of Fullerene Soot in Eastern China. Environmental Science and Technology Letters, 2016, 3, 121-126.	3.9	67
87	Open burning of rice, corn and wheat straws: primary emissions, photochemical aging, and secondary organic aerosol formation. Atmospheric Chemistry and Physics, 2017, 17, 14821-14839.	1.9	66
88	Chemical processing of water-soluble species and formation of secondary organic aerosol in fogs. Atmospheric Environment, 2019, 200, 158-166.	1.9	66
89	Secondary Formation of Sulfate and Nitrate during a Haze Episode in Megacity Beijing, China. Aerosol and Air Quality Research, 2015, 15, 2246-2257.	0.9	65
90	Evaluating the sensitivity of radical chemistry and ozone formation to ambient VOCs and NO_{<i>x</i>} in Beijing. Atmospheric Chemistry and Physics, 2021, 21, 2125-2147.	1.9	64

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91	Characteristics and sources of 2002 super dust storm in Beijing. Science Bulletin, 2004, 49, 698-705.	1.7	63
92	Evidence for Asian dust effects from aerosol plume measurements during INTEX-B 2006 near Whistler, BC. Atmospheric Chemistry and Physics, 2009, 9, 3523-3546.	1.9	62
93	Variations and sources of nitrous acid (HONO) during a severe pollution episode in Beijing in winter 2016. Science of the Total Environment, 2019, 648, 253-262.	3.9	62
94	Elevated levels of OH observed in haze events during wintertime in central Beijing. Atmospheric Chemistry and Physics, 2020, 20, 14847-14871.	1.9	62
95	Asian dust over northern China and its impact on the downstream aerosol chemistry in 2004. Journal of Geophysical Research, 2010, 115, .	3.3	61
96	Direct Observations of Fine Primary Particles From Residential Coal Burning: Insights Into Their Morphology, Composition, and Hygroscopicity. Journal of Geophysical Research D: Atmospheres, 2018, 123, 12,964.	1.2	61
97	Chemical composition, sources and evolution processes of aerosol at an urban site in Yangtze River Delta, China during wintertime. Atmospheric Environment, 2015, 123, 339-349.	1.9	60
98	Influence of continental organic aerosols to the marine atmosphere over the East China Sea: Insights from lipids, PAHs and phthalates. Science of the Total Environment, 2017, 607-608, 339-350.	3.9	59
99	High Contribution of Nonfossil Sources to Submicrometer Organic Aerosols in Beijing, China. Environmental Science & Technology, 2017, 51, 7842-7852.	4.6	58
100	Field characterization of the PM_{2.5} Aerosol Chemical Speciation Monitor: insights into the composition, sources, and processes of fineÂparticles in eastern China. Atmospheric Chemistry and Physics, 2017, 17, 14501-14517.	1.9	58
101	Molecular markers of biomass burning, fungal spores and biogenic SOA in the Taklimakan desert aerosols. Atmospheric Environment, 2016, 130, 64-73.	1.9	57
102	Production of N₂O₅ and ClNO₂ in summer in urban Beijing, China. Atmospheric Chemistry and Physics, 2018, 18, 11581-11597.	1.9	57
103	A review of aerosol chemistry in Asia: insights from aerosol mass spectrometer measurements. Environmental Sciences: Processes and Impacts, 2020, 22, 1616-1653.	1.7	57
104	Direct observations of organic aerosols in common wintertime hazes in North China: insights into direct emissions from Chinese residential stoves. Atmospheric Chemistry and Physics, 2017, 17, 1259-1270.	1.9	56
105	Organic Aerosol Processing During Winter Severe Haze Episodes in Beijing. Journal of Geophysical Research D: Atmospheres, 2019, 124, 10248-10263.	1.2	56
106	Thermodynamic Modeling Suggests Declines in Water Uptake and Acidity of Inorganic Aerosols in Beijing Winter Haze Events during 2014/2015â€"2018/2019. Environmental Science and Technology Letters, 2019, 6, 752-760.	3.9	56
107	Effect of aerosol composition on the performance of low-cost optical particle counter correction factors. Atmospheric Measurement Techniques, 2020, 13, 1181-1193.	1.2	56
108	Long-term characterization of aerosol chemistry in cold season from 2013 to 2020 in Beijing, China. Environmental Pollution, 2021, 268, 115952.	3.7	56

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109	Characterization of near-highway submicron aerosols in New York City with a high-resolution aerosol mass spectrometer. Atmospheric Chemistry and Physics, 2012, 12, 2215-2227.	1.9	55
110	First Chemical Characterization of Refractory Black Carbon Aerosols and Associated Coatings over the Tibetan Plateau (4730 m a.s.l). Environmental Science & Technology, 2017, 51, 14072-14082.	4.6	55
111	Enhanced hydrophobicity and volatility of submicron aerosols under severe emission control conditions in Beijing. Atmospheric Chemistry and Physics, 2017, 17, 5239-5251.	1.9	55
112	Molecular distribution and compound-specific stable carbon isotopic composition of dicarboxylic acids, oxocarboxylic acids and <i>Î±</i>-dicarbonyls in PM_{2.5} from Beijing, China. Atmospheric Chemistry and Physics, 2018, 18, 2749-2767.	1.9	55
113	Characterization of biogenic primary and secondary organic aerosols in the marine atmosphere over the East China Sea. Atmospheric Chemistry and Physics, 2018, 18, 13947-13967.	1.9	54
114	Real-time observational evidence of changing Asian dust morphology with the mixing of heavy anthropogenic pollution. Scientific Reports, 2017, 7, 335.	1.6	53
115	Primary particulate emissions and secondary organic aerosol (SOA) formation from idling diesel vehicle exhaust in China. Science of the Total Environment, 2017, 593-594, 462-469.	3.9	53
116	High efficiency of livestock ammonia emission controls in alleviating particulate nitrate during a severe winter haze episode in northern China. Atmospheric Chemistry and Physics, 2019, 19, 5605-5613.	1.9	53
117	Simultaneous measurements of particle number size distributions at ground level and 260â€¯m on a meteorological tower in urban Beijing, China. Atmospheric Chemistry and Physics, 2017, 17, 6797-6811.	1.9	52
118	Characteristics and Formation Mechanisms of Fine Particulate Nitrate in Typical Urban Areas in China. Atmosphere, 2017, 8, 62.	1.0	52
119	Temporal variations and spatial distributions of gaseous and particulate air pollutants and their health risks during 2015â€“2019 in China. Environmental Pollution, 2021, 272, 116031.	3.7	52
120	Molecular Markers of Secondary Organic Aerosol in Mumbai, India. Environmental Science & Technology, 2016, 50, 4659-4667.	4.6	51
121	Springtime precipitation effects on the abundance of fluorescent biological aerosol particles and HULIS in Beijing. Scientific Reports, 2016, 6, 29618.	1.6	50
122	Investigating the PM2.5 mass concentration growth processes during 2013â€“2016 in Beijing and Shanghai. Chemosphere, 2019, 221, 452-463.	4.2	50
123	A case study of aerosol processing and evolution in summer in New York City. Atmospheric Chemistry and Physics, 2011, 11, 12737-12750.	1.9	49
124	Chemical imaging of ambient aerosol particles: Observational constraints on mixing state parameterization. Journal of Geophysical Research D: Atmospheres, 2015, 120, 9591-9605.	1.2	49
125	Using different assumptions of aerosol mixing state and chemical composition to predict CCN concentrations based on field measurements in urban Beijing. Atmospheric Chemistry and Physics, 2018, 18, 6907-6921.	1.9	49
126	Light absorption enhancement of black carbon in urban Beijing in summer. Atmospheric Environment, 2019, 213, 499-504.	1.9	49

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127	Mixing and transformation of Asian dust with pollution in the two dust storms over the northern China in 2006. Atmospheric Environment, 2010, 44, 3394-3403.	1.9	48
128	Chemical characterization of aerosols at the summit of Mountain Tai in Central East China. Atmospheric Chemistry and Physics, 2011, 11, 7319-7332.	1.9	48
129	Characterization of aerosol hygroscopicity, mixing state, and CCN activity at a suburban site in the central North China Plain. Atmospheric Chemistry and Physics, 2018, 18, 11739-11752.	1.9	48
130	Vertical observations of the atmospheric boundary layer structure over Beijing urban area during air pollution episodes. Atmospheric Chemistry and Physics, 2019, 19, 6949-6967.	1.9	48
131	Aerosol hygroscopic growth, contributing factors, and impact on haze events in a severely polluted region in northern China. Atmospheric Chemistry and Physics, 2019, 19, 1327-1342.	1.9	47
132	Source apportionment for urban PM10 and PM2.5 in the Beijing area. Science Bulletin, 2007, 52, 608-615.	1.7	46
133	Distinct diurnal variation in organic aerosol hygroscopicity and its relationship with oxygenated organic aerosol. Atmospheric Chemistry and Physics, 2020, 20, 865-880.	1.9	46
134	Growth rates of fine aerosol particles at a site near Beijing in June 2013. Advances in Atmospheric Sciences, 2018, 35, 209-217.	1.9	45
135	Summertime aerosol volatility measurements in Beijing, China. Atmospheric Chemistry and Physics, 2019, 19, 10205-10216.	1.9	45
136	Summertime formaldehyde observations in New York City: Ambient levels, sources and its contribution to HOx radicals. Journal of Geophysical Research, 2012, 117, .	3.3	44
137	Below-cloud wet scavenging of soluble inorganic ions by rain in Beijing during the summer of 2014. Environmental Pollution, 2017, 230, 963-973.	3.7	44
138	Role of Ammonia on the Feedback Between AWC and Inorganic Aerosol Formation During Heavy Pollution in theÂNorthÂChinaÂPlain. Earth and Space Science, 2019, 6, 1675-1693.	1.1	44
139	Contribution of Particulate Nitrate Photolysis to Heterogeneous Sulfate Formation for Winter Haze in China. Environmental Science and Technology Letters, 2020, 7, 632-638.	3.9	43
140	Size distributions of n-alkanes, fatty acids and fatty alcohols in springtime aerosols from New Delhi, India. Environmental Pollution, 2016, 219, 957-966.	3.7	42
141	Impacts of organic aerosols and its oxidation level on CCN activity from measurement at a suburban site in China. Atmospheric Chemistry and Physics, 2016, 16, 5413-5425.	1.9	42
142	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.	1.2	42
143	The vertical variability of ammonia in urban Beijing, China. Atmospheric Chemistry and Physics, 2018, 18, 16385-16398.	1.9	42
144	Persistent Nonagricultural and Periodic Agricultural Emissions Dominate Sources of Ammonia in Urban Beijing: Evidence from ¹⁵N Stable Isotope in Vertical Profiles. Environmental Science & Technology, 2020, 54, 102-109.	4.6	42

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145	Specific sources of health risks induced by metallic elements in PM2.5 during the wintertime in Beijing, China. Atmospheric Environment, 2021, 246, 118112.	1.9	42
146	Assessing the effects of trans-boundary aerosol transport between various city clusters on regional haze episodes in spring over East China. Tellus, Series B: Chemical and Physical Meteorology, 2022, 65, 20052.	0.8	41
147	Chemical characterization of submicron aerosol and particle growth events at a national background site (3295 m a.s.l.) on the Tibetan Plateau. Atmospheric Chemistry and Physics, 2015, 15, 10811-10824.	1.9	41
148	Characteristics of size-fractionated atmospheric metals and water-soluble metals in two typical episodes in Beijing. Atmospheric Environment, 2015, 119, 294-303.	1.9	41
149	Technical note: Boundary layer height determination from lidar for improving air pollution episode modeling: development of new algorithm and evaluation. Atmospheric Chemistry and Physics, 2017, 17, 6215-6225.	1.9	41
150	Changes of Emission Sources to Nitrate Aerosols in Beijing After the Clean Air Actions: Evidence From Dual Isotope Compositions. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031998.	1.2	41
151	A modeling study of sourceâ€“receptor relationships in atmospheric particulate matter over Northeast Asia. Atmospheric Environment, 2014, 91, 40-51.	1.9	40
152	High-resolution vertical distribution and sources of HONO and NO₂ in the nocturnal boundary layer in urban Beijing, China. Atmospheric Chemistry and Physics, 2020, 20, 5071-5092.	1.9	40
153	Limited formation of isoprene epoxydiolsâ€derived secondary organic aerosol under NO_xâ€rich environments in Eastern China. Geophysical Research Letters, 2017, 44, 2035-2043.	1.5	39
154	Uncertainty in Predicting CCN Activity of Aged and Primary Aerosols. Journal of Geophysical Research D: Atmospheres, 2017, 122, 11,723.	1.2	39
155	Impact of Arctic amplification on declining spring dust events in East Asia. Climate Dynamics, 2020, 54, 1913-1935.	1.7	39
156	Significant contribution of organics to aerosol liquid water content in winter in Beijing, China. Atmospheric Chemistry and Physics, 2020, 20, 901-914.	1.9	39
157	Molecular Characterization and Seasonal Variation in Primary and Secondary Organic Aerosols in Beijing, China. Journal of Geophysical Research D: Atmospheres, 2018, 123, 12,394.	1.2	38
158	Aerosol Ammonium in the Urban Boundary Layer in Beijing: Insights from Nitrogen Isotope Ratios and Simulations in Summer 2015. Environmental Science and Technology Letters, 2019, 6, 389-395.	3.9	38
159	Investigating secondary organic aerosol formation pathways in China during 2014. Atmospheric Environment, 2019, 213, 133-147.	1.9	38
160	Atmospheric conditions and composition that influence PM_{2.5} oxidative potential in Beijing, China. Atmospheric Chemistry and Physics, 2021, 21, 5549-5573.	1.9	38
161	Variation of sources and mixing mechanism of mineral dust with pollution aerosolâ€”revealed by the two peaks of a super dust storm in Beijing. Atmospheric Research, 2007, 84, 265-279.	1.8	37
162	Characterization of submicron aerosols at a suburban site in central China. Atmospheric Environment, 2016, 131, 115-123.	1.9	37

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164	Mixing characteristics of refractory black carbon aerosols at an urban site in Beijing. Atmospheric Chemistry and Physics, 2020, 20, 5771-5785.	1.9	37
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