

# Qi Zhang

## List of Publications by Citations

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215  
papers

27,341  
citations

70  
h-index

164  
g-index

294  
ext. papers

31,497  
ext. citations

7  
avg, IF

6.69  
L-index

#	Paper	IF	Citations
215	Evolution of organic aerosols in the atmosphere. <i>Science</i> , <b>2009</b> , 326, 1525-9	33.3	2767
214	Asian emissions in 2006 for the NASA INTEX-B mission. <i>Atmospheric Chemistry and Physics</i> , <b>2009</b> , 9, 5131-5153	6.8	1699
213	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
212	Chemical and microphysical characterization of ambient aerosols with the aerodyne aerosol mass spectrometer. <i>Mass Spectrometry Reviews</i> , <b>2007</b> , 26, 185-222	11	1443
211	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
210	Interpretation of organic components from Positive Matrix Factorization of aerosol mass spectrometric data. <i>Atmospheric Chemistry and Physics</i> , <b>2009</b> , 9, 2891-2918	6.8	1016
209	Secondary organic aerosol formation from anthropogenic air pollution: Rapid and higher than expected. <i>Geophysical Research Letters</i> , <b>2006</b> , 33,	4.9	895
208	Organic aerosol components observed in Northern Hemispheric datasets from Aerosol Mass Spectrometry. <i>Atmospheric Chemistry and Physics</i> , <b>2010</b> , 10, 4625-4641	6.8	749
207	Exploring the severe winter haze in Beijing: the impact of synoptic weather, regional transport and heterogeneous reactions. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 2969-2983	6.8	634
206	Sulfur dioxide and primary carbonaceous aerosol emissions in China and India, 1996-2010. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 9839-9864	6.8	594
205	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
204	Deconvolution and quantification of hydrocarbon-like and oxygenated organic aerosols based on aerosol mass spectrometry. <i>Environmental Science &amp; Technology</i> , <b>2005</b> , 39, 4938-52	10.3	551
203	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
202	Hydrocarbon-like and oxygenated organic aerosols in Pittsburgh: insights into sources and processes of organic aerosols. <i>Atmospheric Chemistry and Physics</i> , <b>2005</b> , 5, 3289-3311	6.8	505
201	Heterogeneous chemistry: a mechanism missing in current models to explain secondary inorganic aerosol formation during the January 2013 haze episode in North China. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 2031-2049	6.8	367
200	Recent advances in understanding secondary organic aerosol: Implications for global climate forcing. <i>Reviews of Geophysics</i> , <b>2017</b> , 55, 509-559	23.1	359
199	Aerosol mass spectrometer constraint on the global secondary organic aerosol budget. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 12109-12136	6.8	349

198	A case study of urban particle acidity and its influence on secondary organic aerosol. <i>Environmental Science &amp; Technology</i> , <b>2007</b> , 41, 3213-9	10.3	308
197	Characterization of ambient aerosols in Mexico City during the MCMA-2003 campaign with Aerosol Mass Spectrometry: results from the CENICA Supersite. <i>Atmospheric Chemistry and Physics</i> , <b>2006</b> , 6, 925-946	6.8	302
196	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
195	The AeroCom evaluation and intercomparison of organic aerosol in global models. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 10845-10895	6.8	280
194	The 2013 severe haze over southern Hebei, China: model evaluation, source apportionment, and policy implications. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 3151-3173	6.8	277
193	Real-time methods for estimating organic component mass concentrations from aerosol mass spectrometer data. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 910-6	10.3	277
192	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
191	Sources, composition and absorption Ångström exponent of light-absorbing organic components in aerosol extracts from the Los Angeles Basin. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 3685-93	10.3	264
190	Sulfate-nitrate-ammonium aerosols over China: response to 2000-2015 emission changes of sulfur dioxide, nitrogen oxides, and ammonia. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 2635-2652	6.8	262
189	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
188	Evaluation of recently-proposed secondary organic aerosol models for a case study in Mexico City. <i>Atmospheric Chemistry and Physics</i> , <b>2009</b> , 9, 5681-5709	6.8	236
187	Insights into the chemistry of new particle formation and growth events in Pittsburgh based on aerosol mass spectrometry. <i>Environmental Science &amp; Technology</i> , <b>2004</b> , 38, 4797-809	10.3	233
186	Oxygenated and water-soluble organic aerosols in Tokyo. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		223
185	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
184	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
183	Free and combined amino compounds in atmospheric fine particles (PM <sub>2.5</sub> ) and fog waters from Northern California. <i>Atmospheric Environment</i> , <b>2003</b> , 37, 2247-2258	5.3	194
182	Time- and size-resolved chemical composition of submicron particles in Pittsburgh: Implications for aerosol sources and processes. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		193
181	Analysis of the formation of fog and haze in North China Plain (NCP). <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 8205-8214	6.8	185

180	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
179	Light-absorbing soluble organic aerosol in Los Angeles and Atlanta: A contrast in secondary organic aerosol. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	162
178	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
177	Seasonal and diurnal variations of submicron organic aerosol in Tokyo observed using the Aerodyne aerosol mass spectrometer. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		139
176	Detection of particle-phase polycyclic aromatic hydrocarbons in Mexico City using an aerosol mass spectrometer. <i>International Journal of Mass Spectrometry</i> , <b>2007</b> , 263, 152-170	1.9	137
175	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
174	"APEC Blue": Secondary Aerosol Reductions from Emission Controls in Beijing. <i>Scientific Reports</i> , <b>2016</b> , 6, 20668	4.9	132
173	Chemical characterization of SOA formed from aqueous-phase reactions of phenols with the triplet excited state of carbonyl and hydroxyl radical. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 13801-13816	6.8	131
172	Simulation of semi-explicit mechanisms of SOA formation from glyoxal in aerosol in a 3-D model. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 6213-6239	6.8	129
171	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
170	Enhanced SOA formation from mixed anthropogenic and biogenic emissions during the CARES campaign. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 2091-2113	6.8	120
169	Chemistry of fog waters in California's Central Valley Part 3: concentrations and speciation of organic and inorganic nitrogen. <i>Atmospheric Environment</i> , <b>2001</b> , 35, 5629-5643	5.3	119
168	Wintertime aerosol chemistry and haze evolution in an extremely polluted city of the North China Plain: significant contribution from coal and biomass combustion. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 4751-4768	6.8	117
167	Carbonaceous aerosols in China: top-down constraints on primary sources and estimation of secondary contribution. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 2725-2746	6.8	117
166	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
165	Water-soluble organic nitrogen in atmospheric fine particles (PM <sub>2.5</sub> ) from northern California. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, AAC 3-1-AAC 3-9		110
164	Chemical composition, sources, and processes of urban aerosols during summertime in northwest China: insights from high-resolution aerosol mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 12593-12611	6.8	108
163	A global simulation of brown carbon: implications for photochemistry and direct radiative effect. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 3413-3432	6.8	106

162	CCN predictions using simplified assumptions of organic aerosol composition and mixing state: a synthesis from six different locations. <i>Atmospheric Chemistry and Physics</i> , <b>2010</b> , 10, 4795-4807	6.8	105
161	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
160	Measurement of atmospheric amines and ammonia using the high resolution time-of-flight chemical ionization mass spectrometry. <i>Atmospheric Environment</i> , <b>2015</b> , 102, 249-259	5.3	97
159	Global transformation and fate of SOA: Implications of low-volatility SOA and gas-phase fragmentation reactions. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2015</b> , 120, 4169-4195	4.4	96
158	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
157	Secondary organic aerosol production from aqueous reactions of atmospheric phenols with an organic triplet excited state. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 1049-57	10.3	94
156	A yearlong study of water-soluble organic carbon in Beijing I: Sources and its primary vs. secondary nature. <i>Atmospheric Environment</i> , <b>2014</b> , 92, 514-521	5.3	92
155	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
154	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
153	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
152	Liquid Water: Ubiquitous Contributor to Aerosol Mass. <i>Environmental Science and Technology Letters</i> , <b>2016</b> , 3, 257-263	11	86
151	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
150	Overview of the 2010 Carbonaceous Aerosols and Radiative Effects Study (CARES). <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 7647-7687	6.8	79
149	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
148	Regional influence of wildfires on aerosol chemistry in the western US and insights into atmospheric aging of biomass burning organic aerosol. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 2477-2493	6.8	72
147	Intense secondary aerosol formation due to strong atmospheric photochemical reactions in summer: observations at a rural site in eastern Yangtze River Delta of China. <i>Science of the Total Environment</i> , <b>2016</b> , 571, 1454-66	10.2	72
146	CCN activity of organic aerosols observed downwind of urban emissions during CARES. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 12155-12169	6.8	71
145	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

144	Determination of and evidence for non-core-shell structure of particles containing black carbon using the Single-Particle Soot Photometer (SP2). <i>Geophysical Research Letters</i> , <b>2012</b> , 39, n/a-n/a	4.9	69
143	Semivolatile POA and parameterized total combustion SOA in CMAQv5.2: impacts on source strength and partitioning. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 11107-11133	6.8	67
142	Chemical composition and size distribution of summertime PM <sub>2.5</sub> at a high altitude remote location in the northeast of the Qinghai-Tibet Plateau: insights into aerosol sources and processing in free troposphere. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 5069-5081	6.8	65
141	Long-term measurements of submicrometer aerosol chemistry at the Southern Great Plains (SGP) using an Aerosol Chemical Speciation Monitor (ACSM). <i>Atmospheric Environment</i> , <b>2015</b> , 106, 43-55	5.3	65
140	Aerosol mass spectrometric features of biogenic SOA: observations from a plant chamber and in rural atmospheric environments. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 8166-72	10.3	64
139	Influence of intense secondary aerosol formation and long-range transport on aerosol chemistry and properties in the Seoul Metropolitan Area during spring time: results from KORUS-AQ. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 7149-7168	6.8	64
138	Molecular transformations of phenolic SOA during photochemical aging in the aqueous phase: competition among oligomerization, functionalization, and fragmentation. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 4511-4527	6.8	63
137	Elemental composition of organic aerosol: The gap between ambient and laboratory measurements. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 4182-4189	4.9	63
136	Wintertime organic and inorganic aerosols in Lanzhou, China: sources, processes, and comparison with the results during summer. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 14937-14957	6.8	63
135	Regional Influence of Aerosol Emissions from Wildfires Driven by Combustion Efficiency: Insights from the BBOP Campaign. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 8613-22	10.3	63
134	Source apportionment of PM <sub>2.5</sub> across China using LOTOS-EUROS. <i>Atmospheric Environment</i> , <b>2017</b> , 164, 370-386	5.3	61
133	Observation of Fullerene Soot in Eastern China. <i>Environmental Science and Technology Letters</i> , <b>2016</b> , 3, 121-126	11	61
132	Impacts of transported background ozone on California air quality during the ARCTAS-CARB period: a multi-scale modeling study. <i>Atmospheric Chemistry and Physics</i> , <b>2010</b> , 10, 6947-6968	6.8	60
131	Influences of emission sources and meteorology on aerosol chemistry in a polluted urban environment: results from DISCOVER-AQ California. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 5427-5451	6.8	58
130	Light Absorption by Ambient Black and Brown Carbon and its Dependence on Black Carbon Coating State for Two California, USA, Cities in Winter and Summer. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 1550-1577	4.4	53
129	Spatially and seasonally resolved estimate of the ratio of organic mass to organic carbon. <i>Atmospheric Environment</i> , <b>2014</b> , 87, 34-40	5.3	53
128	Conversion of fogwater and aerosol organic nitrogen to ammonium, nitrate, and NO <sub>x</sub> during exposure to simulated sunlight and ozone. <i>Environmental Science &amp; Technology</i> , <b>2003</b> , 37, 3522-30	10.3	51
127	Modeling regional aerosol and aerosol precursor variability over California and its sensitivity to emissions and long-range transport during the 2010 CalNex and CARES campaigns. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 10013-10060	6.8	49



126	The characterisation of pollution aerosol in a changing photochemical environment. <i>Atmospheric Chemistry and Physics</i> , <b>2006</b> , 6, 5573-5588	6.8	49
125	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
124	Toward understanding amines and their degradation products from postcombustion CO <sub>2</sub> capture processes with aerosol mass spectrometry. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 5066-75	10.3	45
123	Formation and Evolution of aqSOA from Aqueous-Phase Reactions of Phenolic Carbonyls: Comparison between Ammonium Sulfate and Ammonium Nitrate Solutions. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 9215-9224	10.3	44
122	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
121	Dissolved organic matter and inorganic ions in a central Himalayan glacier--insights into chemical composition and atmospheric sources. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 6181-8	10.3	44
120	Optical Properties of Wintertime Aerosols from Residential Wood Burning in Fresno, CA: Results from DISCOVER-AQ 2013. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 1681-90	10.3	43
119	Chemistry of new particle growth in mixed urban and biogenic emissions Insights from CARES. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 6477-6494	6.8	42
118	On the effectiveness of nitrogen oxide reductions as a control over ammonium nitrate aerosol. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 2575-2596	6.8	41
117	Understanding the optical properties of ambient sub- and supermicron particulate matter: results from the CARES2010 field study in northern California. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 6511-6535	6.8	40
116	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
115	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
114	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
113	A regional scale modeling analysis of aerosol and trace gas distributions over the eastern Pacific during the INTEX-B field campaign. <i>Atmospheric Chemistry and Physics</i> , <b>2010</b> , 10, 2091-2115	6.8	37
112	Organic PM Emissions from Vehicles: Composition, O/C Ratio, and Dependence on PM Concentration. <i>Aerosol Science and Technology</i> , <b>2015</b> , 49, 86-97	3.4	34
111	Three-dimensional factorization of size-resolved organic aerosol mass spectra from Mexico City. <i>Atmospheric Measurement Techniques</i> , <b>2012</b> , 5, 195-224	4	34
110	Photochemical Aging of Guaiacol by Fe(III)-Oxalate Complexes in Atmospheric Aqueous Phase. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 127-136	10.3	34
109	Effect of heterogeneous oxidative aging on light absorption by biomass burning organic aerosol. <i>Aerosol Science and Technology</i> , <b>2019</b> , 53, 663-674	3.4	33

108	Comment on The effects of molecular weight and thermal decomposition on the sensitivity of a thermal desorption aerosol mass spectrometer. <i>Aerosol Science and Technology</i> , <b>2016</b> , 50, i-xv	3.4	33
107	Variations of cloud condensation nuclei (CCN) and aerosol activity during fog haze episode: a case study from Shanghai. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 12499-12512	6.8	32
106	Aircraft measurements of nitrogen and phosphorus in and around the Lake Tahoe Basin: implications for possible sources of atmospheric pollutants to Lake Tahoe. <i>Environmental Science &amp; Technology</i> , <b>2002</b> , 36, 4981-9	10.3	32
105	Wintertime water-soluble aerosol composition and particle water content in Fresno, California. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 3155-3170	4.4	31
104	FT-IR quantification of the carbonyl functional group in aqueous-phase secondary organic aerosol from phenols. <i>Atmospheric Environment</i> , <b>2015</b> , 100, 230-237	5.3	31
103	Impact of aerosol composition on cloud condensation nuclei activity. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 3783-3790	6.8	31
102	Interference of organic signals in highly time resolved nitrate measurements by low mass resolution aerosol mass spectrometry. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		31
101	Two years of online measurement of fine particulate nitrate in the western Yangtze River Delta: influences of thermodynamics and N <sub>2</sub> O <sub>5</sub> hydrolysis. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 17177-17190	6.8	31
100	Sources and atmospheric processing of winter aerosols in Seoul, Korea: insights from real-time measurements using a high-resolution aerosol mass spectrometer. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 2009-2033	6.8	30
99	Real-time black carbon emission factor measurements from light duty vehicles. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 13104-12	10.3	30
98	Submicron particles at Thompson Farm during ICARTT measured using aerosol mass spectrometry. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		30
97	Particulate Matter, Ozone, and Nitrogen Species in Aged Wildfire Plumes Observed at the Mount Bachelor Observatory. <i>Aerosol and Air Quality Research</i> , <b>2017</b> , 16, 3075-3087	4.6	30
96	Summertime formaldehyde observations in New York City: Ambient levels, sources and its contribution to HOx radicals. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		29
95	Chemical characteristics of submicron particles at the central Tibetan Plateau: insights from aerosol mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 427-443	6.8	28
94	Size-resolved chemical composition, effective density, and optical properties of biomass burning particles. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 7481-7493	6.8	28
93	Gas-phase CO <sub>2</sub> subtraction for improved measurements of the organic aerosol mass concentration and oxidation degree by an aerosol mass spectrometer. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 14324-31	10.3	28
92	Nitrite-Mediated Photooxidation of Vanillin in the Atmospheric Aqueous Phase. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 14253-14263	10.3	28
91	Light absorption enhancement of black carbon in urban Beijing in summer. <i>Atmospheric Environment</i> , <b>2019</b> , 213, 499-504	5.3	25



90	A review of aerosol chemistry in Asia: insights from aerosol mass spectrometer measurements. <i>Environmental Sciences: Processes and Impacts</i> , <b>2020</b> , 22, 1616-1653	4.3	25
89	Hygroscopic growth of submicron and supermicron aerosols in the marine boundary layer. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2014</b> , 119, 8384-8399	4.4	25
88	Observational assessment of the role of nocturnal residual-layer chemistry in determining daytime surface particulate nitrate concentrations. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 14747-14770	6.8	25
87	Chemical characterization of long-range transport biomass burning emissions to the Himalayas: insights from high-resolution aerosol mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 4617-4638	6.8	24
86	Differential pulmonary effects of wintertime California and China particulate matter in healthy young mice. <i>Toxicology Letters</i> , <b>2017</b> , 278, 1-8	4.4	24
85	Influences of upwind emission sources and atmospheric processing on aerosol chemistry and properties at a rural location in the Northeastern U.S.. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 6049-6065	4.4	24
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16	Formation of secondary organic aerosol coating on black carbon particles near vehicular emissions <b>2017</b> ,		1
15	Enhanced SOA formation from mixed anthropogenic and biogenic emissions during the CARES campaign		1
14	Aerosol optical hygroscopicity measurements during the 2010 CARES Campaign		1
13	Modeling regional aerosol variability over California and its sensitivity to emissions and long-range transport during the 2010 CalNex and CARES campaigns		1
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