

Qi Zhang

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.

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	High-spatial-resolution distributions of aerosol chemical characteristics in urban Lanzhou, western China, during wintertime: Insights from an on-road mobile aerosol mass spectrometry measurement experiment.. <i>Science of the Total Environment</i> , 2022 , 819, 153069	10.2	
214	PM composition and sources in the San Joaquin Valley of California: A long-term study using ToF-ACSM with the capture vaporizer. <i>Environmental Pollution</i> , 2022 , 292, 118254	9.3	0
213	Impacts of secondary aerosol formation and long range transport on severe haze during the winter of 2017 in the Seoul metropolitan area. <i>Science of the Total Environment</i> , 2022 , 804, 149984	10.2	1
212	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
211	Influence of regional emission controls on the chemical composition, sources, and size distributions of submicron aerosols: Insights from the 2014 Nanjing Youth Olympic Games. <i>Science of the Total Environment</i> , 2021 , 807, 150869	10.2	1
210	Photosensitized Reactions of a Phenolic Carbonyl from Wood Combustion in the Aqueous Phase-Chemical Evolution and Light Absorption Properties of AqSOA. <i>Environmental Science & Technology</i> , 2021 , 55, 5199-5211	10.3	9
209	Kinetics and Mass Yields of Aqueous Secondary Organic Aerosol from Highly Substituted Phenols Reacting with a Triplet Excited State. <i>Environmental Science & Technology</i> , 2021 , 55, 5772-5781	10.3	2
208	Hydroxymethanesulfonate (HMS) Formation during Summertime Fog in an Arctic Oil Field. <i>Environmental Science and Technology Letters</i> , 2021 , 8, 511-518	11	3
207	New particle formation (NPF) events in China urban clusters given by sever composite pollution background. <i>Chemosphere</i> , 2021 , 262, 127842	8.4	7
206	Effects of atmospheric aging processes on in vitro induced oxidative stress and chemical composition of biomass burning aerosols. <i>Journal of Hazardous Materials</i> , 2021 , 401, 123750	12.8	13
205	Differential inflammatory potential of particulate matter (PM) size fractions from Imperial Valley, CA. <i>Atmospheric Environment</i> , 2021 , 244,	5.3	4
204	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
203	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
202	Molecular-Level Study of the Photo-Oxidation of Aqueous-Phase Guaiacyl Acetone in the Presence of 3C*: Formation of Brown Carbon Products. <i>ACS Earth and Space Chemistry</i> , 2021 , 5, 1983-1996	3.2	2
201	Deposition of ambient particles in the human respiratory system based on single particle analysis: A case study in the Pearl River Delta, China. <i>Environmental Pollution</i> , 2021 , 283, 117056	9.3	
200	Measurement report: Cloud condensation nuclei activity and its variation with organic oxidation level and volatility observed during an aerosol life cycle intensive operational period (ALC-IOP). <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 13019-13029	6.8	0
199	Regional Differences in the Light Absorption Properties of Fine Particulate Matter Over the Tibetan Plateau: Insights From HR-ToF-AMS and Aethalometer Measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126,	4.4	1

198	Optical properties and molecular compositions of water-soluble and water-insoluble brown carbon (BrC) aerosols in northwest China. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 4889-4904	6.8	14
197	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
196	Impact of air transport and secondary formation on haze pollution in the Yangtze River Delta: In situ online observations in Shanghai and Nanjing. <i>Atmospheric Environment</i> , 2020 , 225, 117350	5.3	18
195	Modeling air quality in the San Joaquin valley of California during the 2013 Discover-AQ field campaign. <i>Atmospheric Environment: X</i> , 2020 , 5, 100067	2.8	3
194	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
193	Rapid evolution of aerosol particles and their optical properties downwind of wildfires in the western US. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 13319-13341	6.8	16
192	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
191	New SOA Treatments Within the Energy Exascale Earth System Model (E3SM): Strong Production and Sinks Govern Atmospheric SOA Distributions and Radiative Forcing. <i>Journal of Advances in Modeling Earth Systems</i> , 2020 , 12, e2020MS002266	7.1	7
190	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
189	Aerosol Total Volume Estimation From Wavelength- and Size-Resolved Scattering Coefficient Data: A New Method. <i>Earth and Space Science</i> , 2020 , 7, e2019EA000863	3.1	1
188	Chemical characterization and source identification of submicron aerosols from a year-long real-time observation at a rural site of Shanghai using an Aerosol Chemical Speciation Monitor. <i>Atmospheric Research</i> , 2020 , 246, 105154	5.4	6
187	Wildfire and prescribed burning impacts on air quality in the United States. <i>Journal of the Air and Waste Management Association</i> , 2020 , 70, 961-970	2.4	11
186	Diesel Soot and Amine-Containing Organic Sulfate Aerosols in an Arctic Oil Field. <i>Environmental Science & Technology</i> , 2020 , 54, 92-101	10.3	6
185	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> , 2019 , 124, 1550-1577	4.4	53
184	Molecular characteristics and diurnal variations of organic aerosols at a rural site in the North China Plain with implications for the influence of regional biomass burning. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 10481-10496	6.8	15
183	Biogenic and anthropogenic sources of aerosols at the High Arctic site Villum Research Station. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 10239-10256	6.8	14
182	Summertime aerosol volatility measurements in Beijing, China. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 10205-10216	6.8	20
181	Temporal characteristics and vertical distribution of atmospheric ammonia and ammonium in winter in Beijing. <i>Science of the Total Environment</i> , 2019 , 681, 226-234	10.2	21

180	Light absorption enhancement of black carbon in urban Beijing in summer. <i>Atmospheric Environment</i> , 2019 , 213, 499-504	5.3	25
179	Free tropospheric aerosols at the Mt. Bachelor Observatory: more oxidized and higher sulfate content compared to boundary layer aerosols. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 1571-1585	6.8	10
178	Photooxidants from brown carbon and other chromophores in illuminated particle extracts. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 6579-6594	6.8	19
177	Chemistry of new particle growth during springtime in the Seoul metropolitan area, Korea. <i>Chemosphere</i> , 2019 , 225, 713-722	8.4	10
176	Effect of heterogeneous oxidative aging on light absorption by biomass burning organic aerosol. <i>Aerosol Science and Technology</i> , 2019 , 53, 663-674	3.4	33
175	Influences of Primary Emission and Secondary Coating Formation on the Particle Diversity and Mixing State of Black Carbon Particles. <i>Environmental Science & Technology</i> , 2019 , 53, 9429-9438	10.3	6
174	Chemical characterization and sources of submicron aerosols in the northeastern Qinghai-Tibet Plateau: insights from high-resolution mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 7897-7911	6.8	14
173	Nitrite-Mediated Photooxidation of Vanillin in the Atmospheric Aqueous Phase. <i>Environmental Science & Technology</i> , 2019 , 53, 14253-14263	10.3	28
172	Comparing black and brown carbon absorption from AERONET and surface measurements at wintertime Fresno. <i>Atmospheric Environment</i> , 2019 , 199, 164-176	5.3	15
171	Chemical processing of water-soluble species and formation of secondary organic aerosol in fogs. <i>Atmospheric Environment</i> , 2019 , 200, 158-166	5.3	39
170	Photochemical Aging of Guaiacol by Fe(III)-Oxalate Complexes in Atmospheric Aqueous Phase. <i>Environmental Science & Technology</i> , 2019 , 53, 127-136	10.3	34
169	Influence of Emissions and Aqueous Processing on Particles Containing Black Carbon in a Polluted Urban Environment: Insights From a Soot Particle-Aerosol Mass Spectrometer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 6648-6666	4.4	23
168	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> , 2018 , 18, 4617-4638	6.8	24
167	Insights into the formation of secondary organic carbon in the summertime in urban Shanghai. <i>Journal of Environmental Sciences</i> , 2018 , 72, 118-132	6.4	15
166	Chemical characteristics of submicron particles at the central Tibetan Plateau: insights from aerosol mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 427-443	6.8	28
165	Larger Submicron Particles for Emissions With Residential Burning in Wintertime San Joaquin Valley (Fresno) than for Vehicle Combustion in Summertime South Coast Air Basin (Fontana). <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 10,526	4.4	9
164	Organic Aerosol Particle Chemical Properties Associated With Residential Burning and Fog in Wintertime San Joaquin Valley (Fresno) and With Vehicle and Firework Emissions in Summertime South Coast Air Basin (Fontana). <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 10,707	4.4	17
163	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> , 2018 , 18, 8469-8489	6.8	70

162	Formation and Evolution of aqSOA from Aqueous-Phase Reactions of Phenolic Carbonyls: Comparison between Ammonium Sulfate and Ammonium Nitrate Solutions. <i>Environmental Science & Technology</i> , 2018 , 52, 9215-9224	10.3	44
161	Source apportionment of organic aerosol from two-year highly time-resolved measurements by an aerosol chemical speciation monitor in Beijing, China 2018 ,		1
160	Modeling NHNO Over the San Joaquin Valley During the 2013 DISCOVER-AQ Campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 4727-4745	4.4	15
159	Using spectral methods to obtain particle size information from optical data: applications to measurements from CARES 2010. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 5499-5514	6.8	3
158	Photooxidants from Brown Carbon and Other Chromophores in Illuminated Particle Extracts 2018 ,		2
157	Understanding Composition, Formation, and Aging of Organic Aerosols in Wildfire Emissions via Combined Mountain Top and Airborne Measurements. <i>ACS Symposium Series</i> , 2018 , 363-385	0.4	4
156	Two years of online measurement of fine particulate nitrate in the western Yangtze River Delta: influences of thermodynamics and N₂O₅ hydrolysis. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 17177-17190	6.8	31
155	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> , 2018 , 18, 7149-7168	6.8	64
154	Wintertime water-soluble aerosol composition and particle water content in Fresno, California. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 3155-3170	4.4	31
153	Real-time chemical characterization of atmospheric particulate matter in China: A review. <i>Atmospheric Environment</i> , 2017 , 158, 270-304	5.3	142
152	Source apportionment of PM2.5 across China using LOTOS-EUROS. <i>Atmospheric Environment</i> , 2017 , 164, 370-386	5.3	61
151	Wintertime aerosol chemistry and haze evolution in an extremely polluted city of North China Plain: significant contribution from coal and biomass combustions 2017 ,		1
150	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 2017 ,		1
149	Differential pulmonary effects of wintertime California and China particulate matter in healthy young mice. <i>Toxicology Letters</i> , 2017 , 278, 1-8	4.4	24
148	Light absorption by water-soluble organic carbon in atmospheric fine particles in the central Tibetan Plateau. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 21386-21397	5.1	18
147	First Chemical Characterization of Refractory Black Carbon Aerosols and Associated Coatings over the Tibetan Plateau (4730 m a.s.l.). <i>Environmental Science & Technology</i> , 2017 , 51, 14072-14082	10.3	40
146	Observational assessment of the role of nocturnal residual-layer chemistry in determining daytime surface particulate nitrate concentrations. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 14747-14770	6.8	25
145	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> , 2017 , 17, 2009-2033	6.8	30

144	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> , 2017 , 17, 4751-4768	6.8	117
143	Semivolatile POA and parameterized total combustion SOA in CMAQv5.2: impacts on source strength and partitioning. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 11107-11133	6.8	67
142	Formation of secondary organic aerosol coating on black carbon particles near vehicular emissions. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 15055-15067	6.8	19
141	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> , 2017 , 17, 2477-2493	6.8	72
140	Size-resolved chemical composition, effective density, and optical properties of biomass burning particles. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 7481-7493	6.8	28
139	Evolution of Multispectral Aerosol Absorption Properties in a Biogenically-Influenced Urban Environment during the CARES Campaign. <i>Atmosphere</i> , 2017 , 8, 217	2.7	5
138	Formation of secondary organic aerosol coating on black carbon particles near vehicular emissions 2017 ,		1
137	Performance of Two Bioswales on Urban Runoff Management. <i>Infrastructures</i> , 2017 , 2, 12	2.6	5
136	Particulate Matter, Ozone, and Nitrogen Species in Aged Wildfire Plumes Observed at the Mount Bachelor Observatory. <i>Aerosol and Air Quality Research</i> , 2017 , 16, 3075-3087	4.6	30
135	Recent advances in understanding secondary organic aerosol: Implications for global climate forcing. <i>Reviews of Geophysics</i> , 2017 , 55, 509-559	23.1	359
134	Sensitivity analysis of simulated SOA loadings using a variance-based statistical approach. <i>Journal of Advances in Modeling Earth Systems</i> , 2016 , 8, 499-519	7.1	10
133	Hygroscopicity measurements of aerosol particles in the San Joaquin Valley, CA, Baltimore, MD, and Golden, CO. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 7344-7359	4.4	8
132	Primary and secondary aerosols in Beijing in winter: sources, variations and processes. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 8309-8329	6.8	206
131	What do correlations tell us about anthropogenic/biogenic interactions and SOA formation in the Sacramento plume during CARES?. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 1729-1746	6.8	4
130	A global simulation of brown carbon: implications for photochemistry and direct radiative effect. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 3413-3432	6.8	106
129	Molecular transformations of phenolic SOA during photochemical aging in the aqueous phase: competition among oligomerization, functionalization, and fragmentation. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 4511-4527	6.8	63
128	On the effectiveness of nitrogen oxide reductions as a control over ammonium nitrate aerosol. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 2575-2596	6.8	41
127	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> , 2016 , 16, 5427-5451	6.8	58

126	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> , 2016 , 16, 6511-6535	6.8	40
125	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> , 2016 , 16, 9109-9127	6.8	77
124	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> , 2016 , 50, i-xv	3.4	33
123	Liquid Water: Ubiquitous Contributor to Aerosol Mass. <i>Environmental Science and Technology Letters</i> , 2016 , 3, 257-263	11	86
122	Optical Properties of Wintertime Aerosols from Residential Wood Burning in Fresno, CA: Results from DISCOVER-AQ 2013. <i>Environmental Science & Technology</i> , 2016 , 50, 1681-90	10.3	43
121	Observation of Fullerene Soot in Eastern China. <i>Environmental Science and Technology Letters</i> , 2016 , 3, 121-126	11	61
120	Wintertime organic and inorganic aerosols in Lanzhou, China: Sources, processes and comparison with the results during summer 2016 ,		2
119	Regional Influence of Wildfires on Aerosol Chemistry in the Western US and Insights into Atmospheric Aging of Biomass Burning Organic Aerosol 2016 ,		2
118	Wintertime organic and inorganic aerosols in Lanzhou, China: sources, processes, and comparison with the results during summer. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 14937-14957	6.8	63
117	Regional Influence of Aerosol Emissions from Wildfires Driven by Combustion Efficiency: Insights from the BBOP Campaign. <i>Environmental Science & Technology</i> , 2016 , 50, 8613-22	10.3	63
116	"APEC Blue": Secondary Aerosol Reductions from Emission Controls in Beijing. <i>Scientific Reports</i> , 2016 , 6, 20668	4.9	132
115	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> , 2016 , 121, 6049-6065	4.4	24
114	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> , 2016 , 571, 1454-66	10.2	72
113	Chemical composition and size distribution of summertime PM _{2.5} 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> , 2015 , 15, 5069-5081	6.8	65
112	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 & Technology</i> , 2015 , 49, 11340-7	10.3	87
111	FT-IR quantification of the carbonyl functional group in aqueous-phase secondary organic aerosol from phenols. <i>Atmospheric Environment</i> , 2015 , 100, 230-237	5.3	31
110	Measurement of atmospheric amines and ammonia using the high resolution time-of-flight chemical ionization mass spectrometry. <i>Atmospheric Environment</i> , 2015 , 102, 249-259	5.3	97
109	Global transformation and fate of SOA: Implications of low-volatility SOA and gas-phase fragmentation reactions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 4169-4195	4.4	96

108	Chemical imaging of ambient aerosol particles: Observational constraints on mixing state parameterization. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 9591-9605	4.4	44
107	Exploring the severe winter haze in Beijing: the impact of synoptic weather, regional transport and heterogeneous reactions. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 2969-2983	6.8	634
106	Aerosol optical hygroscopicity measurements during the 2010 CARES campaign. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 4045-4061	6.8	12
105	Modeling particle nucleation and growth over northern California during the 2010 CARES campaign. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 12283-12313	6.8	18
104	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> , 2015 , 15, 12879-12895	6.8	80
103	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> , 2015 , 15, 10149-10165	6.8	251
102	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> , 2015 , 15, 2031-2049	6.8	367
101	Elemental composition of organic aerosol: The gap between ambient and laboratory measurements. <i>Geophysical Research Letters</i> , 2015 , 42, 4182-4189	4.9	63
100	Organic PM Emissions from Vehicles: Composition, O/C Ratio, and Dependence on PM Concentration. <i>Aerosol Science and Technology</i> , 2015 , 49, 86-97	3.4	34
99	Long-term measurements of submicrometer aerosol chemistry at the Southern Great Plains (SGP) using an Aerosol Chemical Speciation Monitor (ACSM). <i>Atmospheric Environment</i> , 2015 , 106, 43-55	5.3	65
98	Volatility of primary organic aerosol emitted from light duty gasoline vehicles. <i>Environmental Science & Technology</i> , 2015 , 49, 1569-77	10.3	16
97	Toward understanding amines and their degradation products from postcombustion CO ₂ capture processes with aerosol mass spectrometry. <i>Environmental Science & Technology</i> , 2014 , 48, 5066-75	10.3	45
96	Secondary organic aerosol production from aqueous reactions of atmospheric phenols with an organic triplet excited state. <i>Environmental Science & Technology</i> , 2014 , 48, 1049-57	10.3	94
95	Spatially and seasonally resolved estimate of the ratio of organic mass to organic carbon. <i>Atmospheric Environment</i> , 2014 , 48, 34-40	5.3	53
94	A yearlong study of water-soluble organic carbon in Beijing I: Sources and its primary vs. secondary nature. <i>Atmospheric Environment</i> , 2014 , 48, 514-521	5.3	92
93	Hygroscopic growth of submicron and supermicron aerosols in the marine boundary layer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 8384-8399	4.4	25
92	The AeroCom evaluation and intercomparison of organic aerosol in global models. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 10845-10895	6.8	280
91	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> , 2014 , 14, 12593-12611	6.8	108

90	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> , 2014 , 14, 13801-13816	6.8	131
89	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> , 2014 , 14, 10013-10060	6.8	49
88	Variations of cloud condensation nuclei (CCN) and aerosol activity during fog/haze episode: a case study from Shanghai. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 12499-12512	6.8	32
87	Simulation of semi-explicit mechanisms of SOA formation from glyoxal in aerosol in a 3-D model. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 6213-6239	6.8	129
86	Chemistry of new particle growth in mixed urban and biogenic emissions – insights from CARES. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 6477-6494	6.8	42
85	The 2013 severe haze over southern Hebei, China: model evaluation, source apportionment, and policy implications. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 3151-3173	6.8	277
84	Novel Pathways to Form Secondary Organic Aerosols: Glyoxal SOA in WRF/Chem. <i>Springer Proceedings in Complexity</i> , 2014 , 149-154	0.3	
83	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2013 , 51, 3803-3811	8.1	6
82	Dissolved organic matter and inorganic ions in a central Himalayan glacier—insights into chemical composition and atmospheric sources. <i>Environmental Science & Technology</i> , 2013 , 47, 6181-8	10.3	44
81	Gas-phase CO ₂ subtraction for improved measurements of the organic aerosol mass concentration and oxidation degree by an aerosol mass spectrometer. <i>Environmental Science & Technology</i> , 2013 , 47, 14324-31	10.3	28
80	Real-time black carbon emission factor measurements from light duty vehicles. <i>Environmental Science & Technology</i> , 2013 , 47, 13104-12	10.3	30
79	Sources, composition and absorption Ångström exponent of light-absorbing organic components in aerosol extracts from the Los Angeles Basin. <i>Environmental Science & Technology</i> , 2013 , 47, 3685-93	10.3	264
78	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> , 2013 , 13, 2635-2652	6.8	262
77	Enhanced SOA formation from mixed anthropogenic and biogenic emissions during the CARES campaign. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 2091-2113	6.8	120
76	CCN activity of organic aerosols observed downwind of urban emissions during CARES. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 12155-12169	6.8	71
75	Summertime formaldehyde observations in New York City: Ambient levels, sources and its contribution to HO _x radicals. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		29
74	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> , 2012 , 39, n/a-n/a	4.9	69
73	Primary and secondary organic aerosols in Fresno, California during wintertime: Results from high resolution aerosol mass spectrometry. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		112

72	Three-dimensional factorization of size-resolved organic aerosol mass spectra from Mexico City. <i>Atmospheric Measurement Techniques</i> , 2012 , 5, 195-224	4	34
71	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> , 2012 , 46, 1201-1218	3.4	92
70	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> , 2012 , 12, 8131-8156	6.8	121
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15	Enhanced SOA formation from mixed anthropogenic and biogenic emissions during the CARES campaign		1
14	Submicron particles influenced by mixed biogenic and anthropogenic emissions: high-resolution aerosol mass spectrometry results from the Carbonaceous Aerosols and Radiative Effects Study (CARES)		3
13	Evolution of multispectral aerosol optical properties in a biogenically-influenced urban environment during the CARES campaign		6
12	CCN activity of organic aerosols observed downwind of urban emissions during CARES		4
11	Chemical composition, sources, and processes of urban aerosols during summertime in Northwest China: insights from High Resolution Aerosol Mass Spectrometry		3
10	Chemical characterization of SOA formed from aqueous-phase reactions of phenols with the triplet excited state of carbonyl and hydroxyl radical		4
9	Aerosol optical hygroscopicity measurements during the 2010 CARES Campaign		1
8	The AeroCom evaluation and intercomparison of organic aerosol in global models		11
7	Modeling regional aerosol variability over California and its sensitivity to emissions and long-range transport during the 2010 CalNex and CARES campaigns		1
6	Long-term real-time measurements of aerosol particle composition in Beijing, China: seasonal variations, meteorological effects, and source analysis		7
5	Characteristics and sources of submicron aerosols above the urban canopy (260 m) in Beijing, China during 2014 APEC summit		3
4	On the effectiveness of nitrogen oxide reductions as a control over ammonium nitrate aerosol		2
3	Influences of emission sources and meteorology on aerosol chemistry in a polluted urban environment: results from DISCOVER-AQ California		4
2	Simulation of semi-explicit mechanisms of SOA formation from glyoxal in a 3-D model		5
1	Chemistry of new particle growth in mixed urban and biogenic emissions Insights from CARES		1

