

Renjian Zhang

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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.

233 papers	9,685 citations	52 h-index	90 g-index
258 ext. papers	11,272 ext. citations	5.5 avg, IF	6.01 L-index

#	Paper	IF	Citations
233	Chemical characterization and source apportionment of PM _{2.5} in Beijing: seasonal perspective. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 7053-7074	6.8	912
232	Enhanced haze pollution by black carbon in megacities in China. <i>Geophysical Research Letters</i> , 2016 , 43, 2873-2879	4.9	399
231	Spatial and seasonal distributions of carbonaceous aerosols over China. <i>Journal of Geophysical Research</i> , 2007 , 112,		363
230	Characterization and Source Apportionment of PM _{2.5} in an Urban Environment in Beijing. <i>Aerosol and Air Quality Research</i> , 2013 , 13, 574-583	4.6	272
229	Ionic composition of TSP and PM _{2.5} during dust storms and air pollution episodes at Xi'an, China. <i>Atmospheric Environment</i> , 2009 , 43, 2911-2918	5.3	252
228	PM _{2.5} pollution in a megacity of southwest China: source apportionment and implication. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 8679-8699	6.8	243
227	New insights into PM _{2.5} chemical composition and sources in two major cities in China during extreme haze events using aerosol mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 3207-3225	6.8	236
226	The Joint Aerosol Monsoon Experiment: A New Challenge for Monsoon Climate Research. <i>Bulletin of the American Meteorological Society</i> , 2008 , 89, 369-384	6.1	199
225	Ground-based aerosol climatology of China: aerosol optical depths from the China Aerosol Remote Sensing Network (CARSNET) 2002-2013. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 7619-7652	6.8	185
224	A review of current knowledge concerning PM _{2.5} chemical composition, aerosol optical properties and their relationships across China. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 9485-9518	6.8	184
223	Chemical composition of PM _{2.5} in an urban environment in Chengdu, China: Importance of springtime dust storms and biomass burning. <i>Atmospheric Research</i> , 2013 , 122, 270-283	5.4	183
222	Impact of PM _{2.5} chemical compositions on aerosol light scattering in Guangzhou [the largest megacity in South China. <i>Atmospheric Research</i> , 2014 , 135-136, 48-58	5.4	142
221	Source apportionment of PM at urban and suburban areas of the Pearl River Delta region, south China - With emphasis on ship emissions. <i>Science of the Total Environment</i> , 2017 , 574, 1559-1570	10.2	121
220	Carbonaceous aerosols in China: top-down constraints on primary sources and estimation of secondary contribution. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 2725-2746	6.8	117
219	Dicarboxylic acids, ketocarboxylic acids, and dicarbonyls in the urban atmosphere of China. <i>Journal of Geophysical Research</i> , 2007 , 112,		114
218	Roles of regional transport and heterogeneous reactions in the PM increase during winter haze episodes in Beijing. <i>Science of the Total Environment</i> , 2017 , 599-600, 246-253	10.2	108
217	Seasonal variations and evidence for the effectiveness of pollution controls on water-soluble inorganic species in total suspended particulates and fine particulate matter from Xi'an, China. <i>Journal of the Air and Waste Management Association</i> , 2008 , 58, 1560-70	2.4	108

216	Characterization of visibility and its affecting factors over Nanjing, China. <i>Atmospheric Research</i> , 2011 , 101, 681-691	5.4	103
215	Mixing State of Black Carbon Aerosol in a Heavily Polluted Urban Area of China: Implications for Light Absorption Enhancement. <i>Aerosol Science and Technology</i> , 2014 , 48, 689-697	3.4	100
214	Chemical composition and source characterization of spring aerosol over Horqin sand land in northeastern China. <i>Journal of Geophysical Research</i> , 2007 , 112,		100
213	Model study on particle size segregation and deposition during Asian dust events in March 2002. <i>Journal of Geophysical Research</i> , 2004 , 109,		99
212	Molecular distribution and stable carbon isotopic composition of dicarboxylic acids, ketocarboxylic acids, and dicarbonyls in size-resolved atmospheric particles from Xi'an City, China. <i>Environmental Science & Technology</i> , 2012 , 46, 4783-91	10.3	95
211	Impact of Gobi desert dust on aerosol chemistry of Xi'an, inland China during spring 2009: differences in composition and size distribution between the urban ground surface and the mountain atmosphere. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 819-835	6.8	93
210	Characteristics of trace metals in traffic-derived particles in Hsuehshan Tunnel, Taiwan: size distribution, potential source, and fingerprinting metal ratio. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 4117-4130	6.8	90
209	Brown Carbon Aerosol in Urban Xi'an, Northwest China: The Composition and Light Absorption Properties. <i>Environmental Science & Technology</i> , 2018 , 52, 6825-6833	10.3	86
208	Ground-based remote sensing of aerosol climatology in China: Aerosol optical properties, direct radiative effect and its parameterization. <i>Atmospheric Environment</i> , 2016 , 124, 243-251	5.3	85
207	Variations in PM2.5, TSP, BC, and trace gases (NO2, SO2, and O3) between haze and non-haze episodes in winter over Xi'an, China. <i>Atmospheric Environment</i> , 2015 , 112, 64-71	5.3	82
206	Chemical composition of PM2.5 at an urban site of Chengdu in southwestern China. <i>Advances in Atmospheric Sciences</i> , 2013 , 30, 1070-1084	2.9	82
205	Hygroscopic growth of aerosol scattering coefficient: A comparative analysis between urban and suburban sites at winter in Beijing. <i>Particuology</i> , 2009 , 7, 52-60	2.8	81
204	PM2.5 and PM10-2.5 chemical composition and source apportionment near a Hong Kong roadway. <i>Particuology</i> , 2015 , 18, 96-104	2.8	79
203	Seasonal variations and chemical characteristics of sub-micrometer particles (PM1) in Guangzhou, China. <i>Atmospheric Research</i> , 2012 , 118, 222-231	5.4	75
202	Wintertime haze deterioration in Beijing by industrial pollution deduced from trace metal fingerprints and enhanced health risk by heavy metals. <i>Environmental Pollution</i> , 2016 , 208, 284-293	9.3	73
201	Source-Specific Health Risk Analysis on Particulate Trace Elements: Coal Combustion and Traffic Emission As Major Contributors in Wintertime Beijing. <i>Environmental Science & Technology</i> , 2018 , 52, 10967-10974	10.3	68
200	Spatial distribution of aerosol microphysical and optical properties and direct radiative effect from the China Aerosol Remote Sensing Network. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 11843-11864	6.8	65
199	Distribution and origin of carbonaceous aerosol over a rural high-mountain lake area, Northern China and its transport significance. <i>Atmospheric Environment</i> , 2008 , 42, 2405-2414	5.3	65

198	Carbonaceous aerosols in PM10 and pollution gases in winter in Beijing. <i>Journal of Environmental Sciences</i> , 2007 , 19, 564-71	6.4	63
197	Seasonal variation and difference of aerosol optical properties in columnar and surface atmospheres over Shanghai. <i>Atmospheric Environment</i> , 2015 , 123, 315-326	5.3	62
196	Evaluation of the Models-3 Community Multi-scale Air Quality (CMAQ) modeling system with observations obtained during the TRACE-P experiment: Comparison of ozone and its related species. <i>Atmospheric Environment</i> , 2006 , 40, 4874-4882	5.3	61
195	Diurnal and seasonal variability of PM2.5 and AOD in North China plain: Comparison of MERRA-2 products and ground measurements. <i>Atmospheric Environment</i> , 2018 , 191, 70-78	5.3	60
194	Impacts of biogenic emissions of VOC and NOx on tropospheric ozone during summertime in eastern China. <i>Science of the Total Environment</i> , 2008 , 395, 41-9	10.2	59
193	Regional modeling of organic aerosols over China in summertime. <i>Journal of Geophysical Research</i> , 2008 , 113,		59
192	Characterization and source apportionment of aerosol light extinction in Chengdu, southwest China. <i>Atmospheric Environment</i> , 2014 , 95, 552-562	5.3	58
191	Investigation of direct radiative effects of aerosols in dust storm season over East Asia with an online coupled regional climate-chemistry-aerosol model. <i>Atmospheric Environment</i> , 2012 , 54, 688-699	5.3	58
190	Visual range trends in the Yangtze River Delta Region of China, 1981-2005. <i>Journal of the Air and Waste Management Association</i> , 2011 , 61, 843-9	2.4	57
189	An Overview: Polycyclic Aromatic Hydrocarbon Emissions from the Stationary and Mobile Sources and in the Ambient Air. <i>Aerosol and Air Quality Research</i> , 2015 , 15, 2730-2762	4.6	57
188	Spatial distribution and temporal variation of aerosol optical depth in the Sichuan basin, China, the recent ten years. <i>Atmospheric Environment</i> , 2016 , 147, 434-445	5.3	54
187	Uncertainty assessment of source attribution of PM(2.5) and its water-soluble organic carbon content using different biomass burning tracers in positive matrix factorization analysis--a case study in Beijing, China. <i>Science of the Total Environment</i> , 2016 , 543, 326-335	10.2	54
186	Measurements of surface aerosol optical properties in winter of Shanghai. <i>Atmospheric Research</i> , 2012 , 109-110, 25-35	5.4	54
185	Chemical composition and bioreactivity of PM2.5 during 2013 haze events in China. <i>Atmospheric Environment</i> , 2016 , 126, 162-170	5.3	53
184	Characteristics of fine particulate non-polar organic compounds in Guangzhou during the 16th Asian Games: Effectiveness of air pollution controls. <i>Atmospheric Environment</i> , 2013 , 76, 94-101	5.3	53
183	Effect of ambient humidity on the light absorption amplification of black carbon in Beijing during January 2013. <i>Atmospheric Environment</i> , 2016 , 124, 217-223	5.3	52
182	Agricultural Fire Impacts on the Air Quality of Shanghai during Summer Harvesttime. <i>Aerosol and Air Quality Research</i> , 2010 , 10, 95-101	4.6	52
181	Chemical profiles of urban fugitive dust over Xi'an in the south margin of the Loess Plateau, China. <i>Atmospheric Pollution Research</i> , 2014 , 5, 421-430	4.5	51

180	Insights into a historic severe haze event in Shanghai: synoptic situation, boundary layer and pollutants. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 9221-9234	6.8	50
179	Concentration and sources of atmospheric nitrous acid (HONO) at an urban site in Western China. <i>Science of the Total Environment</i> , 2017 , 593-594, 165-172	10.2	49
178	Ambient volatile organic compounds in a suburban site between Beijing and Tianjin: Concentration levels, source apportionment and health risk assessment. <i>Science of the Total Environment</i> , 2019 , 695, 133889	10.2	48
177	Carbonaceous and Ionic Components of Atmospheric Fine Particles in Beijing and Their Impact on Atmospheric Visibility. <i>Aerosol and Air Quality Research</i> , 2012 , 12, 492-502	4.6	47
176	Diurnal and seasonal trends of carbonyl compounds in roadside, urban, and suburban environment of Hong Kong. <i>Atmospheric Environment</i> , 2014 , 89, 43-51	5.3	45
175	Characteristics and source apportionment of PM1 emissions at a roadside station. <i>Journal of Hazardous Materials</i> , 2011 , 195, 82-91	12.8	45
174	Spectroscopic analysis of iron-oxide minerals in aerosol particles from northern China. <i>Science of the Total Environment</i> , 2006 , 367, 899-907	10.2	45
173	Characteristics and applications of size-segregated biomass burning tracers in China's Pearl River Delta region. <i>Atmospheric Environment</i> , 2015 , 102, 290-301	5.3	44
172	Model study of atmospheric particulates during dust storm period in March 2010 over East Asia. <i>Atmospheric Environment</i> , 2011 , 45, 3954-3964	5.3	44
171	Characterization of Atmospheric Organic and Elemental Carbon of PM2.5 in a Typical Semi-Arid Area of Northeastern China. <i>Aerosol and Air Quality Research</i> , 2012 , 12, 792-802	4.6	43
170	Observation of biogenic secondary organic aerosols in the atmosphere of a mountain site in central China: temperature and relative humidity effects. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 11535-11549	6.8	42
169	Chemical source profiles of urban fugitive dust PM samples from 21 cities across China. <i>Science of the Total Environment</i> , 2019 , 649, 1045-1053	10.2	42
168	Chemical properties and origin of dust aerosols in Beijing during springtime. <i>Particuology</i> , 2009 , 7, 61-67	2.8	41
167	Seasonal Variation of Physical and Chemical Properties in TSP, PM10 and PM2.5 at a Roadside Site in Beijing and Their Influence on Atmospheric Visibility. <i>Aerosol and Air Quality Research</i> , 2014 , 14, 954-969	4.6	41
166	Simulated impacts of direct radiative effects of scattering and absorbing aerosols on surface layer aerosol concentrations in China during a heavily polluted event in February 2014. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 5955-5975	4.4	40
165	Control of PM2.5 in Guangzhou during the 16th Asian Games period: implication for hazy weather prevention. <i>Science of the Total Environment</i> , 2015 , 508, 57-66	10.2	40
164	Column-integrated aerosol optical properties and direct radiative forcing based on sun photometer measurements at a semi-arid rural site in Northeast China. <i>Atmospheric Research</i> , 2015 , 157, 56-65	5.4	40
163	Modeling organic aerosols over east China using a volatility basis-set approach with aging mechanism in a regional air quality model. <i>Atmospheric Environment</i> , 2016 , 124, 186-198	5.3	38

162	Regression Analyses between Recent Air Quality and Visibility Changes in Megacities at Four Haze Regions in China. <i>Aerosol and Air Quality Research</i> , 2012 , 12, 1049-1061	4.6	37
161	Impact of relative humidity and particles number size distribution on aerosol light extinction in the urban area of Guangzhou. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 1115-1128	6.8	36
160	Levels and sources of hourly PM-related elements during the control period of the COVID-19 pandemic at a rural site between Beijing and Tianjin. <i>Science of the Total Environment</i> , 2020 , 744, 140840 ^{10.2}		34
159	Origins of aerosol nitrate in Beijing during late winter through spring. <i>Science of the Total Environment</i> , 2019 , 653, 776-782	10.2	34
158	Characteristics and relevant remote sources of black carbon aerosol in Shanghai. <i>Atmospheric Research</i> , 2014 , 135-136, 159-171	5.4	33
157	Size distribution and source of black carbon aerosol in urban Beijing during winter haze episodes. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 7965-7975	6.8	33
156	Chemical composition, sources, and deposition fluxes of water-soluble inorganic ions obtained from precipitation chemistry measurements collected at an urban site in northwest China. <i>Journal of Environmental Monitoring</i> , 2012 , 14, 3000-8		33
155	Chemical compositions and XANES speciations of Fe, Mn and Zn from aerosols collected in China and Japan during dust events. <i>Geochemical Journal</i> , 2006 , 40, 363-376	0.9	33
154	Inorganic chemical composition and source signature of PM _{2.5} in Beijing during ACE-Asia period. <i>Science Bulletin</i> , 2003 , 48, 1002-1005		33
153	Aerosol Size Spectra and Particle Formation Events at Urban Shanghai in Eastern China. <i>Aerosol and Air Quality Research</i> , 2012 , 12, 1362-1372	4.6	33
152	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
151	Analysis on the chemical and physical properties of particles in a dust storm in spring in Beijing. <i>Powder Technology</i> , 2003 , 137, 77-82	5.2	32
150	Chemical Composition of Water-soluble Ions and Carbonate Estimation in Spring Aerosol at a Semi-arid Site of Tongyu, China. <i>Aerosol and Air Quality Research</i> , 2011 , 11, 360-368	4.6	32
149	Variability and predictability of Northeast China climate during 1948-2012. <i>Climate Dynamics</i> , 2014 , 43, 787-804	4.2	31
148	Black carbon in a continental semi-arid area of Northeast China and its possible sources of fire emission. <i>Journal of Geophysical Research</i> , 2010 , 115,		31
147	Aerosol Optical Properties Observed at a Semi-Arid Rural Site in Northeastern China. <i>Aerosol and Air Quality Research</i> , 2012 , 12, 503-514	4.6	31
146	Organic carbon and elemental carbon associated with PM ₁₀ in Beijing during spring time. <i>Journal of Hazardous Materials</i> , 2009 , 172, 970-7	12.8	30
145	Saccharides in summer and winter PM _{2.5} over Xi'an, Northwestern China: Sources, and yearly variations of biomass burning contribution to PM _{2.5} . <i>Atmospheric Research</i> , 2018 , 214, 410-417	5.4	30

144	Measurements of surface cloud condensation nuclei and aerosol activity in downtown Shanghai. <i>Atmospheric Environment</i> , 2013 , 69, 354-361	5.3	29
143	Reconstructed light extinction coefficients using chemical compositions of PM _{2.5} in winter in Urban Guangzhou, China. <i>Advances in Atmospheric Sciences</i> , 2012 , 29, 359-368	2.9	29
142	Ground observations of a strong dust storm in Beijing in March 2002. <i>Journal of Geophysical Research</i> , 2005 , 110,		29
141	Effect of the coal to gas project on atmospheric NO _x during the heating period at a suburban site between Beijing and Tianjin. <i>Atmospheric Research</i> , 2020 , 241, 104977	5.4	28
140	Characteristics of aerosols and mass closure study at two WMO GAW regional background stations in eastern China. <i>Atmospheric Environment</i> , 2012 , 60, 121-131	5.3	28
139	Continuous measurement of number concentrations and elemental composition of aerosol particles for a dust storm event in Beijing. <i>Advances in Atmospheric Sciences</i> , 2008 , 25, 89-95	2.9	28
138	Summertime ambient ammonia and its effects on ammonium aerosol in urban Beijing, China. <i>Science of the Total Environment</i> , 2017 , 579, 1521-1530	10.2	27
137	Wintertime Optical Properties of Primary and Secondary Brown Carbon at a Regional Site in the North China Plain. <i>Environmental Science & Technology</i> , 2019 , 53, 12389-12397	10.3	27
136	Impacts of aerosol chemical compositions on optical properties in urban Beijing, China. <i>Particuology</i> , 2015 , 18, 155-164	2.8	27
135	Impacts of new particle formation on aerosol cloud condensation nuclei (CCN) activity in Shanghai: case study. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 11353-11365	6.8	27
134	The Elemental Composition of Atmospheric Particles at Beijing during Asian Dust Events in Spring 2004. <i>Aerosol and Air Quality Research</i> , 2010 , 10, 67-75	4.6	27
133	Recent researches on aerosol in china. <i>Advances in Atmospheric Sciences</i> , 2001 , 18, 576-586	2.9	27
132	Characterization of fine particulate black carbon in Guangzhou, a megacity of South China. <i>Atmospheric Pollution Research</i> , 2014 , 5, 361-370	4.5	26
131	Air Quality Modeling for of a Strong Dust Event in East Asia in March 2010. <i>Aerosol and Air Quality Research</i> , 2012 , 12, 615-628	4.6	26
130	Characteristics of elemental composition of PM _{2.5} in the spring period at Tongyu in the semi-arid region of Northeast China. <i>Advances in Atmospheric Sciences</i> , 2008 , 25, 922-931	2.9	26
129	Seasonal characterization of dust days, mass concentration and dry deposition of atmospheric aerosols over qingdao, china. <i>Particuology: Science and Technology of Particles</i> , 2004 , 2, 196-199		26
128	Significant influence of fungi on coarse carbonaceous and potassium aerosols in a tropical rainforest. <i>Environmental Research Letters</i> , 2015 , 10, 034015	6.2	25
127	Impact of primary and secondary air supply intensity in stove on emissions of size-segregated particulate matter and carbonaceous aerosols from apple tree wood burning. <i>Atmospheric Research</i> , 2018 , 202, 33-39	5.4	25

126	Influence of aerosol hygroscopic growth parameterization on aerosol optical depth and direct radiative forcing over East Asia. <i>Atmospheric Research</i> , 2014 , 140-141, 14-27	5.4	24
125	Observational evidence of cloud processes contributing to daytime elevated nitrate in an urban atmosphere. <i>Atmospheric Environment</i> , 2018 , 186, 209-215	5.3	24
124	Investigation of hygroscopic growth effect on aerosol scattering coefficient at a rural site in the southern North China Plain. <i>Science of the Total Environment</i> , 2017 , 599-600, 76-84	10.2	23
123	Optical properties and chemical composition of PM 2.5 in Shanghai in the spring of 2012. <i>Particuology</i> , 2014 , 13, 52-59	2.8	23
122	Source, route and effect of Asian sand dust on environment and the oceans. <i>Particuology</i> , 2010 , 8, 319-324	3.4	23
121	Key Scientific Findings and Policy- and Health-Relevant Insights from the U.S. Environmental Protection Agency's Particulate Matter Supersites Program and Related Studies: An Integration and Synthesis of Results. <i>Journal of the Air and Waste Management Association</i> , 2008 , 58, 3-92		23
120	Water-Insoluble Organics Dominate Brown Carbon in Wintertime Urban Aerosol of China: Chemical Characteristics and Optical Properties. <i>Environmental Science & Technology</i> , 2020 , 54, 7836-7847	10.3	22
119	An alternative method for estimating hygroscopic growth factor of aerosol light-scattering coefficient: a case study in an urban area of Guangzhou, South China. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 7631-7644	6.8	22
118	Molecular distribution and seasonal variation of hydrocarbons in PM2.5 from Beijing during 2006. <i>Particuology</i> , 2013 , 11, 78-85	2.8	22
117	The Role of Aerosol in Climate Change, the Environment, and Human Health. <i>Atmospheric and Oceanic Science Letters</i> , 2012 , 5, 156-161	1.4	22
116	A process-oriented evaluation of dust emission parameterizations in CESM: Simulation of a typical severe dust storm in East Asia. <i>Journal of Advances in Modeling Earth Systems</i> , 2016 , 8, 1432-1452	7.1	21
115	Seasonal Variation and Health Risk Assessment of Heavy Metals in PM2.5 during Winter and Summer over Xi'an, China. <i>Atmosphere</i> , 2017 , 8, 91	2.7	20
114	Preliminary research on the size distribution of aerosols in Beijing. <i>Advances in Atmospheric Sciences</i> , 2001 , 18, 225-230	2.9	20
113	An integrated dust storm prediction system suitable for east Asia and its simulation results. <i>Global and Planetary Change</i> , 2006 , 52, 71-87	4.2	19
112	Seasonal Variation of Ammonia and Ammonium Aerosol at a Background Station in the Yangtze River Delta Region, China. <i>Aerosol and Air Quality Research</i> , 2014 , 14, 756-766	4.6	19
111	Variations of Chemical Composition and Source Apportionment of PM2.5 during Winter Haze Episodes in Beijing. <i>Aerosol and Air Quality Research</i> , 2017 , 17, 2791-2803	4.6	19
110	Impact of size distributions of major chemical components in fine particles on light extinction in urban Guangzhou. <i>Science of the Total Environment</i> , 2017 , 587-588, 240-247	10.2	18
109	Impact of particle number and mass size distributions of major chemical components on particle mass scattering efficiency in urban Guangzhou in southern China. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 8471-8490	6.8	18

108	Relationship between ground-based particle component and column aerosol optical property in dusty days over Beijing. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	18
107	Chemical characterization and source apportionment of PM _{2.5} in Beijing: seasonal perspective		18
106	The formation and evolution of secondary organic aerosol during haze events in Beijing in wintertime. <i>Science of the Total Environment</i> , 2020 , 703, 134937	10.2	18
105	Contrasting sources and processes of particulate species in haze days with low and high relative humidity in wintertime Beijing. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 9101-9114	6.8	17
104	Enhanced aqueous-phase formation of secondary organic aerosols due to the regional biomass burning over North China Plain. <i>Environmental Pollution</i> , 2020 , 256, 113401	9.3	17
103	Simulation of sulfur transport and transformation in East Asia with a comprehensive chemical transport model. <i>Environmental Modelling and Software</i> , 2006 , 21, 812-820	5.2	16
102	Characterization of Aeolian Dust in East China and Japan from 2001 to 2003. <i>Journal of the Meteorological Society of Japan</i> , 2005 , 83A, 73-106	2.8	16
101	Variation of concentrations and physicochemical properties of aeolian dust obtained in east China and Japan from 2001 to 2002. <i>Bulletin of the Geological Survey of Japan</i> , 2003 , 54, 251-267	1	16
100	Aerosol radiative effects and feedbacks on boundary layer meteorology and PM _{2.5} chemical components during winter haze events over the Beijing-Tianjin-Hebei region. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 8659-8690	6.8	16
99	A study of the morphology and effective density of externally mixed black carbon aerosols in ambient air using a size-resolved single-particle soot photometer (SP2). <i>Atmospheric Measurement Techniques</i> , 2019 , 12, 4347-4359	4	15
98	A comparison analysis of chemical composition of aerosols in the dust and non-dust periods in Beijing. <i>Advances in Atmospheric Sciences</i> , 2004 , 21, 300-305	2.9	15
97	Sources, solubility, and acid processing of aerosol iron and phosphorous over the South China Sea: East Asian dust and pollution outflows vs. Southeast Asian biomass burning		15
96	Aerosol optical absorption coefficients at a rural site in Northwest China: The great contribution of dust particles. <i>Atmospheric Environment</i> , 2018 , 189, 145-152	5.3	14
95	Influence of pollutants on activity of aerosol cloud condensation nuclei (CCN) during pollution and post-rain periods in Guangzhou, southern China. <i>Science of the Total Environment</i> , 2018 , 642, 1008-1019	10.2	14
94	Characteristics of carbonate carbon in PM _{2.5} in a typical semi-arid area of Northeastern China. <i>Atmospheric Environment</i> , 2011 , 45, 1268-1274	5.3	14
93	Spatial distribution and sources of winter black carbon and brown carbon in six Chinese megacities. <i>Science of the Total Environment</i> , 2021 , 762, 143075	10.2	14
92	Impacts of short-term mitigation measures on PM _{2.5} and radiative effects: a case study at a regional background site near Beijing, China. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 1881-1899	6.8	13
91	Chemical composition and sources of submicron aerosols in winter at a regional site in Beijing-Tianjin-Hebei region: Implications for the Joint Action Plan. <i>Science of the Total Environment</i> , 2020 , 719, 137547	10.2	13

90	Variation in black carbon concentration and aerosol optical properties in Beijing: Role of emission control and meteorological transport variability. <i>Chemosphere</i> , 2020 , 254, 126849	8.4	13
89	Relationship between East Asian Monsoon and dust weather frequency over Beijing. <i>Advances in Atmospheric Sciences</i> , 2010 , 27, 1389-1398	2.9	13
88	A Modeling Study of the Impact of Crop Residue Burning on PM _{2.5} Concentration in Beijing and Tianjin during a Severe Autumn Haze Event. <i>Aerosol and Air Quality Research</i> , 2018 , 18, 1558-1572	4.6	13
87	PM _{2.5} pollution in a megacity of southwest China: source apportionment and implication		13
86	LES simulation of flow field and pollutant dispersion in a street canyon under time-varying inflows with TimeVarying-SIMPLE approach. <i>Building and Environment</i> , 2019 , 157, 185-196	6.5	12
85	Tracking ammonia morning peak, sources and transport with 1 Hz measurements at a rural site in North China Plain. <i>Atmospheric Environment</i> , 2020 , 235, 117630	5.3	12
84	Significant decreases in the volatile organic compound concentration, atmospheric oxidation capacity and photochemical reactivity during the National Day holiday over a suburban site in the North China Plain. <i>Environmental Pollution</i> , 2020 , 263, 114657	9.3	12
83	Simulation of the direct effects of dust aerosol on climate in East Asia. <i>Particuology</i> , 2010 , 8, 301-307	2.8	12
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