Renjian Zhang

List of Publications by Year
in descending order

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228 papers	12,909 citations	23500 58 h-index	31759 101 g-index
258 all docs	258 docs citations	258 times ranked	8045 citing authors

#	Article	IF	Citations
1	Chemical characterization and source apportionment of PM_{2.5} in Beijing: seasonal perspective. Atmospheric Chemistry and Physics, 2013, 13, 7053-7074.	1.9	1,063
2	Enhanced haze pollution by black carbon in megacities in China. Geophysical Research Letters, 2016, 43, 2873-2879.	1.5	590
3	Spatial and seasonal distributions of carbonaceous aerosols over China. Journal of Geophysical Research, 2007, 112, .	3.3	453
4	Characterization and Source Apportionment of PM2.5 in an Urban Environment in Beijing. Aerosol and Air Quality Research, 2013, 13, 574-583.	0.9	322
5	PM_{2.5} pollution in a megacity of southwest China: source apportionment and implication. Atmospheric Chemistry and Physics, 2014, 14, 8679-8699.	1.9	309
6	Ionic composition of TSP and PM2.5 during dust storms and air pollution episodes at Xi'an, China. Atmospheric Environment, 2009, 43, 2911-2918.	1.9	300
7	New insights into PM_{2.5} chemical composition and sources in two major cities in China during extreme haze events using aerosol mass spectrometry. Atmospheric Chemistry and Physics, 2016, 16, 3207-3225.	1.9	300
8	A review of current knowledge concerning PM_{2.â€‰5} chemical composition, aerosol optical properties and their relationships across China. Atmospheric Chemistry and Physics, 2017, 17, 9485-9518.	1.9	280
9	The Joint Aerosolâ€“Monsoon Experiment: A New Challenge for Monsoon Climate Research. Bulletin of the American Meteorological Society, 2008, 89, 369-384.	1.7	241
10	Chemical composition of PM2.5 in an urban environment in Chengdu, China: Importance of springtime dust storms and biomass burning. Atmospheric Research, 2013, 122, 270-283.	1.8	236
11	Ground-based aerosol climatology of China: aerosol optical depths from the China Aerosol Remote Sensing Network (CARSNET) 2002â€“2013. Atmospheric Chemistry and Physics, 2015, 15, 7619-7652.	1.9	224
12	Source apportionment of PM2.5 at urban and suburban areas of the Pearl River Delta region, south China - With emphasis on ship emissions. Science of the Total Environment, 2017, 574, 1559-1570.	3.9	182
13	Impact of PM2.5 chemical compositions on aerosol light scattering in Guangzhou â€” the largest megacity in South China. Atmospheric Research, 2014, 135-136, 48-58.	1.8	158
14	Brown Carbon Aerosol in Urban Xiâ€™an, Northwest China: The Composition and Light Absorption Properties. Environmental Science & Technology, 2018, 52, 6825-6833.	4.6	149
15	Dicarboxylic acids, ketocarboxylic acids, and dicarbonyls in the urban atmosphere of China. Journal of Geophysical Research, 2007, 112, .	3.3	144
16	Seasonal Variations and Evidence for the Effectiveness of Pollution Controls on Water-Soluble Inorganic Species in Total Suspended Particulates and Fine Particulate Matter from Xiâ€™an, China. Journal of the Air and Waste Management Association, 2008, 58, 1560-1570.	0.9	140
17	Carbonaceous aerosols in China: top-down constraints on primary sources and estimation of secondary contribution. Atmospheric Chemistry and Physics, 2012, 12, 2725-2746.	1.9	137
18	Roles of regional transport and heterogeneous reactions in the PM2.5 increase during winter haze episodes in Beijing. Science of the Total Environment, 2017, 599-600, 246-253.	3.9	137

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19	Model study on particle size segregation and deposition during Asian dust events in March 2002. Journal of Geophysical Research, 2004, 109, .	3.3	128
20	Characteristics of trace metals in traffic-derived particles in Hsuehshan Tunnel, Taiwan: size distribution, potential source, and fingerprinting metal ratio. Atmospheric Chemistry and Physics, 2015, 15, 4117-4130.	1.9	128
21	Chemical composition and source characterization of spring aerosol over Horqin sand land in northeastern China. Journal of Geophysical Research, 2007, 112, .	3.3	127
22	Characterization of visibility and its affecting factors over Nanjing, China. Atmospheric Research, 2011, 101, 681-691.	1.8	126
23	Source-Specific Health Risk Analysis on Particulate Trace Elements: Coal Combustion and Traffic Emission As Major Contributors in Wintertime Beijing. Environmental Science & Technology, 2018, 52, 10967-10974.	4.6	125
24	Mixing State of Black Carbon Aerosol in a Heavily Polluted Urban Area of China: Implications for Light Absorption Enhancement. Aerosol Science and Technology, 2014, 48, 689-697.	1.5	122
25	Molecular Distribution and Stable Carbon Isotopic Composition of Dicarboxylic Acids, Ketocarboxylic Acids, and Î±-Dicarbonyls in Size-Resolved Atmospheric Particles From Xiâ€™an City, China. Environmental Science & Technology, 2012, 46, 4783-4791.	4.6	118
26	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. Atmospheric Chemistry and Physics, 2013, 13, 819-835.	1.9	118
27	Diurnal and seasonal variability of PM2.5 and AOD in North China plain: Comparison of MERRA-2 products and ground measurements. Atmospheric Environment, 2018, 191, 70-78.	1.9	114
28	PM2.5 and PM10-2.5 chemical composition and source apportionment near a Hong Kong roadway. Particuology, 2015, 18, 96-104.	2.0	109
29	Ground-based remote sensing of aerosol climatology in China: Aerosol optical properties, direct radiative effect and its parameterization. Atmospheric Environment, 2016, 124, 243-251.	1.9	104
30	Spatial distribution of aerosol microphysical and optical properties and direct radiative effect from the China Aerosol Remote Sensing Network. Atmospheric Chemistry and Physics, 2019, 19, 11843-11864.	1.9	101
31	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. Atmospheric Environment, 2015, 112, 64-71.	1.9	96
32	Hygroscopic growth of aerosol scattering coefficient: A comparative analysis between urban and suburban sites at winter in Beijing. Particuology, 2009, 7, 52-60.	2.0	95
33	Wintertime haze deterioration in Beijing by industrial pollution deduced from trace metal fingerprints and enhanced health risk by heavy metals. Environmental Pollution, 2016, 208, 284-293.	3.7	95
34	Ambient volatile organic compounds in a suburban site between Beijing and Tianjin: Concentration levels, source apportionment and health risk assessment. Science of the Total Environment, 2019, 695, 133889.	3.9	94
35	Chemical composition of PM2.5 at an urban site of Chengdu in southwestern China. Advances in Atmospheric Sciences, 2013, 30, 1070-1084.	1.9	93
36	An Overview: Polycyclic Aromatic Hydrocarbon Emissions from the Stationary and Mobile Sources and in the Ambient Air. Aerosol and Air Quality Research, 2015, 15, 2730-2762.	0.9	93

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37	Seasonal variations and chemical characteristics of sub-micrometer particles (PM1) in Guangzhou, China. Atmospheric Research, 2012, 118, 222-231.	1.8	88
38	Distribution and origin of carbonaceous aerosol over a rural high-mountain lake area, Northern China and its transport significance. Atmospheric Environment, 2008, 42, 2405-2414.	1.9	80
39	Carbonaceous aerosols in PM10 and pollution gases in winter in Beijing. Journal of Environmental Sciences, 2007, 19, 564-571.	3.2	76
40	Seasonal variation and difference of aerosol optical properties in columnar and surface atmospheres over Shanghai. Atmospheric Environment, 2015, 123, 315-326.	1.9	76
41	Investigation of direct radiative effects of aerosols in dust storm season over East Asia with an online coupled regional climate-chemistry-aerosol model. Atmospheric Environment, 2012, 54, 688-699.	1.9	75
42	Uncertainty assessment of source attribution of PM2.5 and its water-soluble organic carbon content using different biomass burning tracers in positive matrix factorization analysis â€" a case study in Beijing, China. Science of the Total Environment, 2016, 543, 326-335.	3.9	75
43	Concentration and sources of atmospheric nitrous acid (HONO) at an urban site in Western China. Science of the Total Environment, 2017, 593-594, 165-172.	3.9	75
44	Impacts of biogenic emissions of VOC and NOx on tropospheric ozone during summertime in eastern China. Science of the Total Environment, 2008, 395, 41-49.	3.9	73
45	Water-Insoluble Organics Dominate Brown Carbon in Wintertime Urban Aerosol of China: Chemical Characteristics and Optical Properties. Environmental Science & Technology, 2020, 54, 7836-7847.	4.6	72
46	Regional modeling of organic aerosols over China in summertime. Journal of Geophysical Research, 2008, 113, .	3.3	71
47	Chemical composition and bioreactivity of PM2.5 during 2013 haze events in China. Atmospheric Environment, 2016, 126, 162-170.	1.9	71
48	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. Atmospheric Environment, 2006, 40, 4874-4882.	1.9	69
49	Characterization and source apportionment of aerosol light extinction in Chengdu, southwest China. Atmospheric Environment, 2014, 95, 552-562.	1.9	67
50	Chemical source profiles of urban fugitive dust PM2.5 samples from 21 cities across China. Science of the Total Environment, 2019, 649, 1045-1053.	3.9	67
51	Chemical profiles of urban fugitive dust over Xi'an in the south margin of the Loess Plateau, China. Atmospheric Pollution Research, 2014, 5, 421-430.	1.8	66
52	Spatial distribution and temporal variation of aerosol optical depth in the Sichuan basin, China, the recent ten years. Atmospheric Environment, 2016, 147, 434-445.	1.9	66
53	Measurements of surface aerosol optical properties in winter of Shanghai. Atmospheric Research, 2012, 109-110, 25-35.	1.8	65
54	Diurnal and seasonal trends of carbonyl compounds in roadside, urban, and suburban environment of Hong Kong. Atmospheric Environment, 2014, 89, 43-51.	1.9	64

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55	Carbonaceous and Ionic Components of Atmospheric Fine Particles in Beijing and Their Impact on Atmospheric Visibility. Aerosol and Air Quality Research, 2012, 12, 492-502.	0.9	63
56	Visual Range Trends in the Yangtze River Delta Region of China, 1981â€“2005. Journal of the Air and Waste Management Association, 2011, 61, 843-849.	0.9	62
57	Characteristics and applications of size-segregated biomass burning tracers in China's Pearl River Delta region. Atmospheric Environment, 2015, 102, 290-301.	1.9	62
58	Insights into a historic severe haze event in Shanghai: synoptic situation, boundary layer and pollutants. Atmospheric Chemistry and Physics, 2016, 16, 9221-9234.	1.9	62
59	Effect of ambient humidity on the light absorption amplification of black carbon in Beijing during January 2013. Atmospheric Environment, 2016, 124, 217-223.	1.9	62
60	Characteristics of fine particulate non-polar organic compounds in Guangzhou during the 16th Asian Games: Effectiveness of air pollution controls. Atmospheric Environment, 2013, 76, 94-101.	1.9	61
61	Observation of biogenic secondary organic aerosols in the atmosphere of a mountain site in central China: temperature and relative humidity effects. Atmospheric Chemistry and Physics, 2013, 13, 11535-11549.	1.9	61
62	Agricultural Fire Impacts on the Air Quality of Shanghai during Summer Harvesttime. Aerosol and Air Quality Research, 2010, 10, 95-101.	0.9	60
63	Characterization of Atmospheric Organic and Elemental Carbon of PM2.5 in a Typical Semi-Arid Area of Northeastern China. Aerosol and Air Quality Research, 2012, 12, 792-802.	0.9	56
64	Ground observations of a strong dust storm in Beijing in March 2002. Journal of Geophysical Research, 2005, 110, .	3.3	55
65	Characteristics and source apportionment of PM1 emissions at a roadside station. Journal of Hazardous Materials, 2011, 195, 82-91.	6.5	55
66	Wintertime Optical Properties of Primary and Secondary Brown Carbon at a Regional Site in the North China Plain. Environmental Science & Technology, 2019, 53, 12389-12397.	4.6	55
67	Model study of atmospheric particulates during dust storm period in March 2010 over East Asia. Atmospheric Environment, 2011, 45, 3954-3964.	1.9	54
68	Levels and sources of hourly PM2.5-related elements during the control period of the COVID-19 pandemic at a rural site between Beijing and Tianjin. Science of the Total Environment, 2020, 744, 140840.	3.9	54
69	Column-integrated aerosol optical properties and direct radiative forcing based on sun photometer measurements at a semi-arid rural site in Northeast China. Atmospheric Research, 2015, 157, 56-65.	1.8	53
70	Modeling organic aerosols over east China using a volatility basis-set approach with aging mechanism in a regional air quality model. Atmospheric Environment, 2016, 124, 186-198.	1.9	53
71	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. Journal of Geophysical Research D: Atmospheres, 2017, 122, 5955-5975.	1.2	53
72	Size distribution and source of black carbon aerosol in urban Beijing during winter haze episodes. Atmospheric Chemistry and Physics, 2017, 17, 7965-7975.	1.9	53

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73	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. Aerosol and Air Quality Research, 2014, 14, 954-969.	0.9	52
74	Regression Analyses between Recent Air Quality and Visibility Changes in Megacities at Four Haze Regions in China. Aerosol and Air Quality Research, 2012, 12, 1049-1061.	0.9	50
75	Spectroscopic analysis of iron-oxide minerals in aerosol particles from northern China. Science of the Total Environment, 2006, 367, 899-907.	3.9	48
76	Chemical properties and origin of dust aerosols in Beijing during springtime. Particuology, 2009, 7, 61-67.	2.0	48
77	Chemical Composition of Water-soluble Ions and Carbonate Estimation in Spring Aerosol at a Semi-arid Site of Tongyu, China. Aerosol and Air Quality Research, 2011, 11, 360-368.	0.9	47
78	Origins of aerosol nitrate in Beijing during late winter through spring. Science of the Total Environment, 2019, 653, 776-782.	3.9	46
79	Effect of the â€œcoal to gasâ€•project on atmospheric NOX during the heating period at a suburban site between Beijing and Tianjin. Atmospheric Research, 2020, 241, 104977.	1.8	46
80	Inorganic chemical composition and source signature of PM2.5 in Beijing during ACE-Asia period. Science Bulletin, 2003, 48, 1002-1005.	1.7	45
81	The Elemental Composition of Atmospheric Particles at Beijing during Asian Dust Events in Spring 2004. Aerosol and Air Quality Research, 2010, 10, 67-75.	0.9	45
82	Control of PM 2.5 in Guangzhou during the 16th Asian Games period: Implication for hazy weather prevention. Science of the Total Environment, 2015, 508, 57-66.	3.9	45
83	Analysis on the chemical and physical properties of particles in a dust storm in spring in Beijing. Powder Technology, 2003, 137, 77-82.	2.1	43
84	Impact of relative humidity and particles number size distribution on aerosol light extinction in the urban area of Guangzhou. Atmospheric Chemistry and Physics, 2013, 13, 1115-1128.	1.9	43
85	Saccharides in summer and winter PM2.5 over Xi'an, Northwestern China: Sources, and yearly variations of biomass burning contribution to PM2.5. Atmospheric Research, 2018, 214, 410-417.	1.8	42
86	The Role of Aerosol in Climate Change, the Environment, and Human Health. Atmospheric and Oceanic Science Letters, 2012, 5, 156-161.	0.5	40
87	Aerosol Size Spectra and Particle Formation Events at Urban Shanghai in Eastern China. Aerosol and Air Quality Research, 2012, 12, 1362-1372.	0.9	40
88	Variability and predictability of Northeast China climate during 1948â€“2012. Climate Dynamics, 2014, 43, 787-804.	1.7	39
89	Aerosol Optical Properties Observed at a Semi-Arid Rural Site in Northeastern China. Aerosol and Air Quality Research, 2012, 12, 503-514.	0.9	39
90	Continuous measurement of number concentrations and elemental composition of aerosol particles for a dust storm event in Beijing. Advances in Atmospheric Sciences, 2008, 25, 89-95.	1.9	38

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91	Chemical composition, sources, and deposition fluxes of water-soluble inorganic ions obtained from precipitation chemistry measurements collected at an urban site in northwest China. Journal of Environmental Monitoring, 2012, 14, 3000.	2.1	38
92	Characteristics and relevant remote sources of black carbon aerosol in Shanghai. Atmospheric Research, 2014, 135-136, 159-171.	1.8	38
93	Variations of cloud condensation nuclei (CCN) and aerosol activity during fogâ€“haze episode: a case study from Shanghai. Atmospheric Chemistry and Physics, 2014, 14, 12499-12512.	1.9	38
94	Black carbon in a continental semiâ€arid area of Northeast China and its possible sources of fire emission. Journal of Geophysical Research, 2010, 115, .	3.3	37
95	Reconstructed light extinction coefficients using chemical compositions of PM2.5 in winter in Urban Guangzhou, China. Advances in Atmospheric Sciences, 2012, 29, 359-368.	1.9	37
96	Characteristics of aerosols and mass closure study at two WMO GAW regional background stations in eastern China. Atmospheric Environment, 2012, 60, 121-131.	1.9	36
97	Characterization of fine particulate black carbon in Guangzhou, a megacity of South China. Atmospheric Pollution Research, 2014, 5, 361-370.	1.8	36
98	Chemical compositions and XANES speciations of Fe, Mn and Zn from aerosols collected in China and Japan during dust events. Geochemical Journal, 2006, 40, 363-376.	0.5	35
99	Organic carbon and elemental carbon associated with PM10 in Beijing during spring time. Journal of Hazardous Materials, 2009, 172, 970-977.	6.5	35
100	Measurements of surface cloud condensation nuclei and aerosol activity in downtown Shanghai. Atmospheric Environment, 2013, 69, 354-361.	1.9	35
101	Recent researches on aerosol in china. Advances in Atmospheric Sciences, 2001, 18, 576-586.	1.9	34
102	Influence of aerosol hygroscopic growth parameterization on aerosol optical depth and direct radiative forcing over East Asia. Atmospheric Research, 2014, 140-141, 14-27.	1.8	34
103	Impacts of new particle formation on aerosol cloud condensation nuclei (CCN) activity in Shanghai: case study. Atmospheric Chemistry and Physics, 2014, 14, 11353-11365.	1.9	34
104	Impacts of aerosol chemical compositions on optical properties in urban Beijing, China. Particuology, 2015, 18, 155-164.	2.0	34
105	Summertime ambient ammonia and its effects on ammonium aerosol in urban Beijing, China. Science of the Total Environment, 2017, 579, 1521-1530.	3.9	34
106	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. Atmospheric Research, 2018, 202, 33-39.	1.8	34
107	Spatial distribution and sources of winter black carbon and brown carbon in six Chinese megacities. Science of the Total Environment, 2021, 762, 143075.	3.9	34
108	Contrasting sources and processes of particulate species in haze days with low and high relative humidity in wintertime Beijing. Atmospheric Chemistry and Physics, 2020, 20, 9101-9114.	1.9	34

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109	Characteristics of elemental composition of PM2.5 in the spring period at Tongyu in the semi-arid region of Northeast China. Advances in Atmospheric Sciences, 2008, 25, 922-931.	1.9	33
110	A processâ€oriented evaluation of dust emission parameterizations in CESM: Simulation of a typical severe dust storm in <scp>E</scp>ast <scp>A</scp>sia. Journal of Advances in Modeling Earth Systems, 2016, 8, 1432-1452.	1.3	33
111	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. Atmospheric Chemistry and Physics, 2020, 20, 8659-8690.	1.9	33
112	Observational evidence of cloud processes contributing to daytime elevated nitrate in an urban atmosphere. Atmospheric Environment, 2018, 186, 209-215.	1.9	32
113	Seasonal characterization of dust days, mass concentration and dry deposition of atmospheric aerosols over qingdao, china. Particuology: Science and Technology of Particles, 2004, 2, 196-199.	0.4	31
114	Air Quality Modeling for of a Strong Dust Event in East Asia in March 2010. Aerosol and Air Quality Research, 2012, 12, 615-628.	0.9	31
115	The formation and evolution of secondary organic aerosol during haze events in Beijing in wintertime. Science of the Total Environment, 2020, 703, 134937.	3.9	31
116	Impact of particle number and mass size distributions of major chemical components on particle mass scattering efficiency in urban Guangzhou in southern China. Atmospheric Chemistry and Physics, 2019, 19, 8471-8490.	1.9	30
117	Enhanced aqueous-phase formation of secondary organic aerosols due to the regional biomass burning over North China Plain. Environmental Pollution, 2020, 256, 113401.	3.7	30
118	Key Scientific Findings and Policy- and Health-Relevant Insights from the U.S. Environmental Protection Agencyâ€™s Particulate Matter Supersites Program and Related Studies: An Integration and Synthesis of Results. Journal of the Air and Waste Management Association, 2008, 58, 3-92.	0.2	29
119	Source, route and effect of Asian sand dust on environment and the oceans. Particuology, 2010, 8, 319-324.	2.0	29
120	Investigation of hygroscopic growth effect on aerosol scattering coefficient at a rural site in the southern North China Plain. Science of the Total Environment, 2017, 599-600, 76-84.	3.9	29
121	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. Environmental Pollution, 2020, 263, 114657.	3.7	29
122	An alternative method for estimating hygroscopic growth factor of aerosol light-scattering coefficient: a case study in an urban area of Guangzhou, South China. Atmospheric Chemistry and Physics, 2014, 14, 7631-7644.	1.9	26
123	Significant influence of fungi on coarse carbonaceous and potassium aerosols in a tropical rainforest. Environmental Research Letters, 2015, 10, 034015.	2.2	26
124	Seasonal Variation and Health Risk Assessment of Heavy Metals in PM2.5 during Winter and Summer over Xiâ€™an, China. Atmosphere, 2017, 8, 91.	1.0	26
125	Exploring the inorganic and organic nitrate aerosol formation regimes at a suburban site on the North China Plain. Science of the Total Environment, 2021, 768, 144538.	3.9	26
126	Molecular distribution and seasonal variation of hydrocarbons in PM2.5 from Beijing during 2006. Particuology, 2013, 11, 78-85.	2.0	25

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127	Variations of Chemical Composition and Source Apportionment of PM2.5 during Winter Haze Episodes in Beijing. Aerosol and Air Quality Research, 2017, 17, 2791-2803.	0.9	25
128	Preliminary research on the size distribution of aerosols in Beijing. Advances in Atmospheric Sciences, 2001, 18, 225-230.	1.9	24
129	Relationship between groundâ€based particle component and column aerosol optical property in dusty days over Beijing. Geophysical Research Letters, 2008, 35, .	1.5	24
130	Optical properties and chemical composition of PM 2.5 in Shanghai in the spring of 2012. Particuology, 2014, 13, 52-59.	2.0	24
131	Atmospheric reactivity and oxidation capacity during summer at a suburban site between Beijing and Tianjin. Atmospheric Chemistry and Physics, 2020, 20, 8181-8200.	1.9	24
132	An integrated dust storm prediction system suitable for east Asia and its simulation results. Global and Planetary Change, 2006, 52, 71-87.	1.6	23
133	Tracking ammonia morning peak, sources and transport with 1ÂHz measurements at a rural site in North China Plain. Atmospheric Environment, 2020, 235, 117630.	1.9	23
134	Chemical composition and sources of submicron aerosols in winter at a regional site in Beijing-Tianjin-Hebei region: Implications for the Joint Action Plan. Science of the Total Environment, 2020, 719, 137547.	3.9	23
135	Environmental and health risks of VOCs in the longest innerâ€“city tunnel in Xiâ€™an, Northwest China: Implication of impact from new energy vehicles. Environmental Pollution, 2021, 282, 117057.	3.7	23
136	Seasonal Variation of Ammonia and Ammonium Aerosol at a Background Station in the Yangtze River Delta Region, China. Aerosol and Air Quality Research, 2014, 14, 756-766.	0.9	23
137	Impact of size distributions of major chemical components in fine particles on light extinction in urban Guangzhou. Science of the Total Environment, 2017, 587-588, 240-247.	3.9	22
138	Variation in PM2.5 sources in central North China Plain during 2017â€“2019: Response to mitigation strategies. Journal of Environmental Management, 2021, 288, 112370.	3.8	22
139	A Modeling Study of the Impact of Crop Residue Burning on PM2.5 Concentration in Beijing and Tianjin during a Severe Autumn Haze Event. Aerosol and Air Quality Research, 2018, 18, 1558-1572.	0.9	22
140	Aerosol optical absorption coefficients at a rural site in Northwest China: The great contribution of dust particles. Atmospheric Environment, 2018, 189, 145-152.	1.9	21
141	Changes in ammonia and its effects on PM2.5 chemical property in three winter seasons in Beijing, China. Science of the Total Environment, 2020, 749, 142208.	3.9	21
142	Stable oxygen isotope constraints on nitrate formation in Beijing in springtime. Environmental Pollution, 2020, 263, 114515.	3.7	21
143	Variation in black carbon concentration and aerosol optical properties in Beijing: Role of emission control and meteorological transport variability. Chemosphere, 2020, 254, 126849.	4.2	21
144	Influence of pollutants on activity of aerosol cloud condensation nuclei (CCN) during pollution and post-rain periods in Guangzhou, southern China. Science of the Total Environment, 2018, 642, 1008-1019.	3.9	20

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145	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). Atmospheric Measurement Techniques, 2019, 12, 4347-4359.	1.2	20
146	Characterization of Aeolian Dust in East China and Japan from 2001 to 2003. Journal of the Meteorological Society of Japan, 2005, 83A, 73-106.	0.7	20
147	Measurement report: Source and mixing state of black carbon aerosol in the North China Plain: implications for radiative effect. Atmospheric Chemistry and Physics, 2020, 20, 15427-15442.	1.9	20
148	Simulation of sulfur transport and transformation in East Asia with a comprehensive chemical transport model. Environmental Modelling and Software, 2006, 21, 812-820.	1.9	19
149	Chemical composition, water content and size distribution of aerosols during different development stages of regional haze episodes over the North China Plain. Atmospheric Environment, 2021, 245, 118020.	1.9	19
150	Changes of ammonia concentrations in wintertime on the North China Plain from 2018 to 2020. Atmospheric Research, 2021, 253, 105490.	1.8	19
151	Variation of concentrations and physicochemical properties of aeolian dust obtained in east China and Japan from 2001 to 2002. Bulletin of the Geological Survey of Japan, 2003, 54, 251-267.	0.1	19
152	Characteristics of carbonate carbon in PM2.5 in a typical semi-arid area of Northeastern China. Atmospheric Environment, 2011, 45, 1268-1274.	1.9	18
153	Impacts of short-term mitigation measures on PM_{2.5} and radiative effects: a case study at a regional background site near Beijing, China. Atmospheric Chemistry and Physics, 2019, 19, 1881-1899.	1.9	18
154	High mass absorption efficiency of carbonaceous aerosols during the biomass burning season in Chiang Mai of northern Thailand. Atmospheric Environment, 2020, 240, 117821.	1.9	18
155	Source profiles of PM2.5 emitted from four typical open burning sources and its cytotoxicity to vascular smooth muscle cells. Science of the Total Environment, 2020, 715, 136949.	3.9	18
156	Study of Elemental Mass Size Distributions of Aerosol in Lijiang, a Background Site in Southwest China. Aerosol and Air Quality Research, 2008, 8, 339-347.	0.9	18
157	Spectral Light Absorption of Ambient Aerosols in Urban Beijing during Summer: An Intercomparison of Measurements from a Range of Instruments. Aerosol and Air Quality Research, 2015, 15, 1178-1187.	0.9	18
158	Effect of source variation on the size and mixing state of black carbon aerosol in urban Beijing from 2013 to 2019: Implication on light absorption. Environmental Pollution, 2021, 270, 116089.	3.7	17
159	Parameterized atmospheric oxidation capacity and speciated OH reactivity over a suburban site in the North China Plain: A comparative study between summer and winter. Science of the Total Environment, 2021, 773, 145264.	3.9	17
160	A comparison analysis of chemical composition of aerosols in the dust and non-dust periods in Beijing. Advances in Atmospheric Sciences, 2004, 21, 300-305.	1.9	16
161	LES simulation of flow field and pollutant dispersion in a street canyon under time-varying inflows with TimeVarying-SIMPLE approach. Building and Environment, 2019, 157, 185-196.	3.0	16
162	Relationship between East Asian Monsoon and dust weather frequency over Beijing. Advances in Atmospheric Sciences, 2010, 27, 1389-1398.	1.9	15

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163	Simulation of the direct effects of dust aerosol on climate in East Asia. Particuology, 2010, 8, 301-307.	2.0	15
164	Evolution of aerosol vertical distribution during particulate pollution events in Shanghai. Journal of Meteorological Research, 2015, 29, 385-399.	0.9	15
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