Yuesi Wang

List of Publications by Year
in descending order

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321 papers	18,092 citations	13099 68 h-index	20358 116 g-index
333 all docs	333 docs citations	333 times ranked	10513 citing authors

#	Article	IF	Citations
1	Progress in quantitative research on the relationship between atmospheric oxidation and air quality. Journal of Environmental Sciences, 2023, 123, 350-366.	6.1	5
2	Variation characteristics of ultraviolet radiation derived from measurement and reconstruction in Beijing, China. Tellus, Series B: Chemical and Physical Meteorology, 2022, 62, 100.	1.6	39
3	Assessing the effects of trans-boundary aerosol transport between various city clusters on regional haze episodes in spring over East China. Tellus, Series B: Chemical and Physical Meteorology, 2022, 65, 20052.	1.6	41
4	Multilevel measurements of fluxes and turbulence over an urban landscape in Beijing. Tellus, Series B: Chemical and Physical Meteorology, 2022, 65, 20421.	1.6	12
5	Characterization of fine particles during the 2014 Asia-Pacific economic cooperation summit: Number concentration, size distribution and sources. Tellus, Series B: Chemical and Physical Meteorology, 2022, 69, 1303228.	1.6	24
6	The impact of ammonium on the distillation of organic carbon in PM2.5. Science of the Total Environment, 2022, 803, 150012.	8.0	2
7	Annual nonmethane hydrocarbon trends in Beijing from 2000 to 2019. Journal of Environmental Sciences, 2022, 112, 210-217.	6.1	14
8	Interannual evolution of elemental carbon-containing particles in winter in the atmosphere of Chengdu, China. Science of the Total Environment, 2022, 804, 150133.	8.0	4
9	Characterization and source identification of submicron aerosol during serious haze pollution periods in Beijing. Journal of Environmental Sciences, 2022, 112, 25-37.	6.1	11
10	Vertical evolution of black and brown carbon during pollution events over North China Plain. Science of the Total Environment, 2022, 806, 150950.	8.0	6
11	Molecular Composition of Oxygenated Organic Molecules and Their Contributions to Organic Aerosol in Beijing. Environmental Science & Technology, 2022, 56, 770-778.	10.0	16
12	Air stagnation in China: Spatiotemporal variability and differing impact on PM2.5 and O3 during 2013â€“2018. Science of the Total Environment, 2022, 819, 152778.	8.0	17
13	Vehicular Emissions Enhanced Ammonia Concentrations in Winter Mornings: Insights from Diurnal Nitrogen Isotopic Signatures. Environmental Science & Technology, 2022, 56, 1578-1585.	10.0	37
14	The effects of number and mass concentration of aerosol components on scattering coefficients in Xianghe, southeast of Beijing, China â€“ A case study. Atmospheric Environment, 2022, 272, 118938.	4.1	3
15	Oscillation cumulative volatile organic compounds on the northern edge of the North China Plain: Impact of mountain-plain breeze. Science of the Total Environment, 2022, 821, 153541.	8.0	9
16	Significant contribution of secondary particulate matter to recurrent air pollution: Evidence from in situ observation in the most polluted city of Fen-Wei Plain of China. Journal of Environmental Sciences, 2022, 114, 422-433.	6.1	5
17	Decadal changes in ozone in the lower boundary layer over Beijing, China. Atmospheric Environment, 2022, 275, 119018.	4.1	11
18	The environmental benefit of Beijing-Tianjin-Hebei coal banning area for North China. Journal of Environmental Management, 2022, 311, 114870.	7.8	4

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19	Significant reduction in atmospheric organic and elemental carbon in PM2.5 in 2+26 cities in northern China. Environmental Research, 2022, 211, 113055.	7.5	14
20	Variation characteristics of air combined pollution in Beijing City. Atmospheric Research, 2022, 274, 106197.	4.1	13
21	Characteristics of PM2.5 pollution in Beijing after the improvement of air quality. Journal of Environmental Sciences, 2021, 100, 1-10.	6.1	59
22	Physiochemistry characteristics and sources of submicron aerosols at the background area of North China Plain: Implication of air pollution control in heating season. Atmospheric Research, 2021, 249, 105291.	4.1	10
23	Estimated contribution of vehicular emissions to carbonaceous aerosols in urban Beijing, China. Atmospheric Research, 2021, 248, 105153.	4.1	10
24	Source apportionment of PM2.5 and its optical properties during a regional haze episode over north China plain. Atmospheric Pollution Research, 2021, 12, 89-99.	3.8	8
25	Vertically increased NO3 radical in the nocturnal boundary layer. Science of the Total Environment, 2021, 763, 142969.	8.0	20
26	Size distribution and formation processes of aerosol water-soluble organic carbon during winter and summer in urban Beijing. Atmospheric Environment, 2021, 244, 117983.	4.1	6
27	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.	4.1	19
28	Source apportionment of PM2.5 and visibility in Jinan, China. Journal of Environmental Sciences, 2021, 102, 207-215.	6.1	38
29	Chemical characteristics and source apportionment of PM2.5 in a petrochemical city: Implications for primary and secondary carbonaceous component. Journal of Environmental Sciences, 2021, 103, 322-335.	6.1	14
30	Insights into the characteristics of aerosols using an integrated single particleâ€“bulk chemical approach. Atmospheric Research, 2021, 250, 105374.	4.1	4
31	Impact of residual layer transport on air pollution in Beijing, China. Environmental Pollution, 2021, 271, 116325.	7.5	21
32	Detailed budget analysis of HONO in Beijing, China: Implication on atmosphere oxidation capacity in polluted megacity. Atmospheric Environment, 2021, 244, 117957.	4.1	39
33	Significant changes in autumn and winter aerosol composition and sources in Beijing from 2012 to 2018: Effects of clean air actions. Environmental Pollution, 2021, 268, 115855.	7.5	43
34	Bypassing the NOx titration trap in ozone pollution control in Beijing. Atmospheric Research, 2021, 249, 105333.	4.1	46
35	Vertical Evolution of Boundary Layer Volatile Organic Compounds in Summer over the North China Plain and the Differences with Winter. Advances in Atmospheric Sciences, 2021, 38, 1165-1176.	4.3	13
36	Environmental and health benefits of establishing a coal banning area in the Beijing-Tianjin-Hebei region of China. Atmospheric Environment, 2021, 247, 118191.	4.1	13

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37	Elucidating roles of near-surface vertical layer structure in different stages of PM2.5 pollution episodes over urban Beijing during 2004â€“2016. Atmospheric Environment, 2021, 246, 118157.	4.1	11
38	Comparative research on visibility and light extinction of PM2.5 components during 2014â€“17 in the North China plain. Atmospheric and Oceanic Science Letters, 2021, 14, 100034.	1.3	5
39	Seasonal variations in the highly time-resolved aerosol composition, sources and chemical processes of background submicron particles in the North China Plain. Atmospheric Chemistry and Physics, 2021, 21, 4521-4539.	4.9	16
40	The impact threshold of the aerosol radiative forcing on the boundary layer structure in the pollution region. Atmospheric Chemistry and Physics, 2021, 21, 5739-5753.	4.9	27
41	Uncertainties of Simulated Aerosol Direct Radiative Effect Induced by Aerosol Chemical Components: A Measurementâ€Based Perspective From Urbanâ€Forest Transition Region in East China. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033688.	3.3	6
42	Control of particulate nitrate air pollution in China. Nature Geoscience, 2021, 14, 389-395.	12.9	139
43	ROx Budgets and O3 Formation during Summertime at Xianghe Suburban Site in the North China Plain. Advances in Atmospheric Sciences, 2021, 38, 1209-1222.	4.3	8
44	The influence of aerosols on the NO2 photolysis rate in a suburban site in North China. Science of the Total Environment, 2021, 767, 144788.	8.0	11
45	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.	8.0	26
46	Impact of urbanization on air quality in the Yangtze River Delta during the COVID-19 lockdown in China. Journal of Cleaner Production, 2021, 296, 126561.	9.3	30
47	Evaluation and Evolution of MAX-DOAS-observed Vertical NO2 Profiles in Urban Beijing. Advances in Atmospheric Sciences, 2021, 38, 1188-1196.	4.3	14
48	Preface to the Special Issue on Atmospheric Oxidation Capacity, Ozone, and PM2.5 Pollution: Quantification Methods, Formation Mechanisms, Simulation, and Control. Advances in Atmospheric Sciences, 2021, 38, 1051-1052.	4.3	0
49	Chemistry of new particle formation and growth events during wintertime in suburban area of Beijing: Insights from highly polluted atmosphere. Atmospheric Research, 2021, 255, 105553.	4.1	16
50	Significant contribution of spring northwest transport to volatile organic compounds in Beijing. Journal of Environmental Sciences, 2021, 104, 169-181.	6.1	20
51	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.	8.0	17
52	Elucidating the quantitative characterization of atmospheric oxidation capacity in Beijing, China. Science of the Total Environment, 2021, 771, 145306.	8.0	27
53	Reduced light absorption of black carbon (BC) and its influence on BC-boundary-layer interactions during â€œAPEC Blueâ€• Atmospheric Chemistry and Physics, 2021, 21, 11405-11421.	4.9	10
54	Insights into the chemistry of aerosol growth in Beijing: Implication of fine particle episode formation during wintertime. Chemosphere, 2021, 274, 129776.	8.2	11

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55	Photolysis rate in the Beijing-Tianjin-Hebei region: Reconstruction and long-term trend. Atmospheric Research, 2021, 256, 105568.	4.1	6
56	Characteristics of chemical profile, sources and PAH toxicity of PM2.5 in beijing in autumn-winter transit season with regard to domestic heating, pollution control measures and meteorology. Chemosphere, 2021, 276, 130143.	8.2	12
57	A new parameterization of uptake coefficients for heterogeneous reactions on multi-component atmospheric aerosols. Science of the Total Environment, 2021, 781, 146372.	8.0	4
58	Effects of different stagnant meteorological conditions on aerosol chemistry and regional transport changes in Beijing, China. Atmospheric Environment, 2021, 258, 118483.	4.1	4
59	Low particulate nitrate in the residual layer in autumn over the North China Plain. Science of the Total Environment, 2021, 782, 146845.	8.0	17
60	A comprehensive evaluation of aerosol extinction apportionment in Beijing using a high-resolution time-of-flight aerosol mass spectrometer. Science of the Total Environment, 2021, 783, 146976.	8.0	5
61	The spatial-temporal distribution characteristics of atmospheric chloromethane according to data from the CARE-China network. Atmospheric Environment, 2021, 260, 118484.	4.1	7
62	The difference in the boundary layer height between urban and suburban areas in Beijing and its implications for air pollution. Atmospheric Environment, 2021, 260, 118552.	4.1	14
63	Aggravated ozone pollution in the strong free convection boundary layer. Science of the Total Environment, 2021, 788, 147740.	8.0	33
64	Eddy covariance measurements of ozone flux above and below a southern subtropical forest canopy. Science of the Total Environment, 2021, 791, 148338.	8.0	6
65	Exploring the variation of black and brown carbon during COVID-19 lockdown in megacity Wuhan and its surrounding cities, China. Science of the Total Environment, 2021, 791, 148226.	8.0	9
66	Composition and sources of brown carbon aerosols in megacity Beijing during the winter of 2016. Atmospheric Research, 2021, 262, 105773.	4.1	19
67	High gaseous carbonyl concentrations in the upper boundary layer in Shijiazhuang, China. Science of the Total Environment, 2021, 799, 149438.	8.0	11
68	Atmospheric ammonia and its effect on PM2.5 pollution in urban Chengdu, Sichuan Basin, China. Environmental Pollution, 2021, 291, 118195.	7.5	21
69	Regional standardized particle size distributions for developing a Chinese filter testing standard used in building ventilation. Journal of Building Engineering, 2021, 44, 102972.	3.4	0
70	Formation and evolution of secondary organic aerosols derived from urban-lifestyle sources: vehicle exhaust and cooking emissions. Atmospheric Chemistry and Physics, 2021, 21, 15221-15237.	4.9	9
71	Impact of Formation Pathways on Secondary Inorganic Aerosol During Haze Pollution in Beijing: Quantitative Evidence From Highâ€Resolution Observation and Modeling. Geophysical Research Letters, 2021, 48, .	4.0	9
72	Insight into the formation and evolution of secondary organic aerosol in the megacity of Beijing, China. Atmospheric Environment, 2020, 220, 117070.	4.1	34

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73	Rapid formation of intense haze episodes via aerosolâ€“boundary layer feedback in Beijing. Atmospheric Chemistry and Physics, 2020, 20, 45-53.	4.9	36
74	Emission characteristics of size distribution, chemical composition and light absorption of particles from field-scale crop residue burning in Northeast China. Science of the Total Environment, 2020, 710, 136304.	8.0	26
75	Evolution and meteorological causes of fine particulate explosive growth events in Beijing, China, from 2013 to 2017. Atmospheric and Oceanic Science Letters, 2020, 13, 55-62.	1.3	3
76	Seasonal variation and sources of derivatized phenols in atmospheric fine particulate matter in North China Plain. Journal of Environmental Sciences, 2020, 89, 136-144.	6.1	18
77	Exploring the regional pollution characteristics and meteorological formation mechanism of PM2.5 in North China during 2013â€“2017. Environment International, 2020, 134, 105283.	10.0	73
78	Highly time-resolved chemical characterization and implications of regional transport for submicron aerosols in the North China Plain. Science of the Total Environment, 2020, 705, 135803.	8.0	18
79	In situ continuous observation of hourly elements in PM2.5 in urban beijing, China: Occurrence levels, temporal variation, potential source regions and health risks. Atmospheric Environment, 2020, 222, 117164.	4.1	30
80	Atmospheric reactivity and oxidation capacity during summer at a suburban site between Beijing and Tianjin. Atmospheric Chemistry and Physics, 2020, 20, 8181-8200.	4.9	24
81	Revisiting the Concentration Observations and Source Apportionment of Atmospheric Ammonia. Advances in Atmospheric Sciences, 2020, 37, 933-938.	4.3	36
82	Evaluating the size distribution characteristics and sources of atmospheric trace elements at two mountain sites: comparison of the clean and polluted regions in China. Environmental Science and Pollution Research, 2020, 27, 42713-42726.	5.3	1
83	Continuous and comprehensive atmospheric observations in Beijing: a station to understand the complex urban atmospheric environment. Big Earth Data, 2020, 4, 295-321.	4.4	54
84	Global Importance of Hydroxymethanesulfonate in Ambient Particulate Matter: Implications for Air Quality. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032706.	3.3	28
85	Different HONO Sources for Three Layers at the Urban Area of Beijing. Environmental Science & Technology, 2020, 54, 12870-12880.	10.0	52
86	Optical, Radiative and Chemical Characteristics of Aerosol in Changsha City, Central China. Advances in Atmospheric Sciences, 2020, 37, 1310-1322.	4.3	5
87	Spatial and temporal variability of open biomass burning in Northeast China from 2003 to 2017. Atmospheric and Oceanic Science Letters, 2020, 13, 240-247.	1.3	18
88	Haze pollution under a high atmospheric oxidization capacity in summer in Beijing: insights into formation mechanism of atmospheric physicochemical processes. Atmospheric Chemistry and Physics, 2020, 20, 4575-4592.	4.9	31
89	Seasonal variation and secondary formation of size-segregated aerosol water-soluble inorganic ions in a coast megacity of North China Plain. Environmental Science and Pollution Research, 2020, 27, 26750-26762.	5.3	10
90	Systematic low bias of passive samplers in characterizing nitrogen isotopic composition of atmospheric ammonia. Atmospheric Research, 2020, 243, 105018.	4.1	40

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91	The Stove, Dome, and Umbrella Effects of Atmospheric Aerosol on the Development of the Planetary Boundary Layer in Hazy Regions. Geophysical Research Letters, 2020, 47, e2020GL087373.	4.0	73
92	A new approach of the normalization relationship between PM2.5 and visibility and the theoretical threshold, a case in north China. Atmospheric Research, 2020, 245, 105054.	4.1	13
93	Episode-Based Analysis of Size-Resolved Carbonaceous Aerosol Compositions in Wintertime of Xinxiang: Implication for the Haze Formation Processes in Central China. Applied Sciences (Switzerland), 2020, 10, 3498.	2.5	5
94	Ammonia should be considered in field experiments mimicking nitrogen deposition. Atmospheric and Oceanic Science Letters, 2020, 13, 248-251.	1.3	9
95	Significant impact of coal combustion on VOCs emissions in winter in a North China rural site. Science of the Total Environment, 2020, 720, 137617.	8.0	63
96	China's emission control strategies have suppressed unfavorable influences of climate on wintertime PM_{2.5} concentrations in Beijing since 2002. Atmospheric Chemistry and Physics, 2020, 20, 1497-1505.	4.9	47
97	Contrasting trends of PM2.5 and surface-ozone concentrations in China from 2013 to 2017. National Science Review, 2020, 7, 1331-1339.	9.5	284
98	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.	8.0	54
99	Long-term variation in CO2 emissions with implications for the interannual trend in PM2.5 over the last decade in Beijing, China. Environmental Pollution, 2020, 266, 115014.	7.5	9
100	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.	7.5	29
101	Different roles of nitrate and sulfate in air pollution episodes in the North China Plain. Atmospheric Environment, 2020, 224, 117325.	4.1	20
102	Vertically decreased VOC concentration and reactivity in the planetary boundary layer in winter over the North China Plain. Atmospheric Research, 2020, 240, 104930.	4.1	32
103	An unexpected catalyst dominates formation and radiative forcing of regional haze. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 3960-3966.	7.1	132
104	Meteorological mechanism for a large-scale persistent severe ozone pollution event over eastern China in 2017. Journal of Environmental Sciences, 2020, 92, 187-199.	6.1	63
105	Light absorption properties of brown carbon (BrC) in autumn and winter in Beijing: Composition, formation and contribution of nitrated aromatic compounds. Atmospheric Environment, 2020, 223, 117289.	4.1	37
106	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.	4.1	46
107	Evaluation and uncertainty investigation of the NO₂, CO and NH₃ modeling over China under the framework of MICS-AsiaÂIII. Atmospheric Chemistry and Physics, 2020, 20, 181-202.	4.9	41
108	Real-time physiochemistry of urban aerosols during a regional haze episode by a single-particle aerosol mass spectrometer: Mixing state, size distribution and source apportionment. Atmospheric Pollution Research, 2020, 11, 1329-1338.	3.8	5

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109	Nationwide increase of polycyclic aromatic hydrocarbons in ultrafine particles during winter over China revealed by size-segregated measurements. Atmospheric Chemistry and Physics, 2020, 20, 14581-14595.	4.9	19
110	Nitrate-dominated PM_{2.5} and elevation of particle pH observed in urban Beijing during the winter of 2017. Atmospheric Chemistry and Physics, 2020, 20, 5019-5033.	4.9	70
111	Isoprene Mixing Ratios Measured at Twenty Sites in China During 2012â€“2014: Comparison With Model Simulation. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD033523.	3.3	14
112	Reshaping the size distribution of aerosol elemental carbon by removal of coarse mode carbonates. Atmospheric Environment, 2019, 214, 116852.	4.1	1
113	The formation mechanism of air pollution episodes in Beijing city: Insights into the measured feedback between aerosol radiative forcing and the atmospheric boundary layer stability. Science of the Total Environment, 2019, 692, 371-381.	8.0	53
114	Impact of the coal banning zone on visibility in the Beijing-Tianjin-Hebei region. Science of the Total Environment, 2019, 692, 402-410.	8.0	36
115	Bias in ammonia emission inventory and implications on emission control of nitrogen oxides over North China Plain. Atmospheric Environment, 2019, 214, 116869.	4.1	20
116	Impact of air pollution control measures and regional transport on carbonaceous aerosols in fine particulate matter in urban Beijing, China: insights gained from long-term measurement. Atmospheric Chemistry and Physics, 2019, 19, 8569-8590.	4.9	81
117	Characteristics and Sources of Hourly Trace Elements in Airborne Fine Particles in Urban Beijing, China. Journal of Geophysical Research D: Atmospheres, 2019, 124, 11595-11613.	3.3	48
118	Source apportionment and health risk assessment of trace elements in the heavy industry areas of Tangshan, China. Air Quality, Atmosphere and Health, 2019, 12, 1303-1315.	3.3	9
119	Assessing the formation and evolution mechanisms of severe haze pollution in the Beijingâ€“Tianjinâ€“Hebei region using process analysis. Atmospheric Chemistry and Physics, 2019, 19, 10845-10864.	4.9	56
120	Trends in particulate matter and its chemical compositions in China from 2013â€“2017. Science China Earth Sciences, 2019, 62, 1857-1871.	5.2	111
121	Mixing layer transport flux of particulate matter in Beijing, China. Atmospheric Chemistry and Physics, 2019, 19, 9531-9540.	4.9	29
122	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.	8.0	94
123	Decreased gaseous carbonyls in the North China plain from 2004 to 2017 and future control measures. Atmospheric Environment, 2019, 218, 117015.	4.1	12
124	Estimating N2O emissions from soils under natural vegetation in China. Plant and Soil, 2019, 434, 271-287.	3.7	13
125	Characteristics of fine particle explosive growth events in Beijing, China: Seasonal variation, chemical evolution pattern and formation mechanism. Science of the Total Environment, 2019, 687, 1073-1086.	8.0	61
126	Size-segregated particulate matter bound polycyclic aromatic hydrocarbons (PAHs) over China: Size distribution, characteristics and health risk assessment. Science of the Total Environment, 2019, 685, 116-123.	8.0	30

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127	Characteristics and mixing state of aerosol at the summit of Mount Tai (1534â€¯m) in Central East China: First measurements with SPAMS. Atmospheric Environment, 2019, 213, 273-284.	4.1	20
128	Aerosol optical characteristics and radiative forcing in urban Beijing. Atmospheric Environment, 2019, 212, 41-53.	4.1	12
129	Increased inorganic aerosol fraction contributes to air pollution and haze in China. Atmospheric Chemistry and Physics, 2019, 19, 5881-5888.	4.9	37
130	Characteristics of chemical composition and seasonal variations of PM2.5 in Shijiazhuang, China: Impact of primary emissions and secondary formation. Science of the Total Environment, 2019, 677, 215-229.	8.0	84
131	Spatial and seasonal variations of sugars (alcohol) in China: Emerging results from the CARE-China network. Atmospheric Environment, 2019, 209, 136-143.	4.1	6
132	Evolution of boundary layer ozone in Shijiazhuang, a suburban site on the North China Plain. Journal of Environmental Sciences, 2019, 83, 152-160.	6.1	50
133	Case study of the effects of aerosol chemical composition and hygroscopicity on the scattering coefficient in summer, Xianghe, southeast of Beijing, China. Atmospheric Research, 2019, 225, 81-87.	4.1	10
134	Characteristics and Source Apportionment of Metallic Elements in PM2.5 at Urban and Suburban Sites in Beijing: Implication of Emission Reduction. Atmosphere, 2019, 10, 105.	2.3	10
135	The carbonaceous aerosol levels still remain a challenge in the Beijing-Tianjin-Hebei region of China: Insights from continuous high temporal resolution measurements in multiple cities. Environment International, 2019, 126, 171-183.	10.0	73
136	Secondary organic aerosols in Jinan, an urban site in North China: Significant anthropogenic contributions to heavy pollution. Journal of Environmental Sciences, 2019, 80, 107-115.	6.1	15
137	Quantifying the impact of synoptic circulation patterns on ozone variability in northern China from April to October 2013â€“2017. Atmospheric Chemistry and Physics, 2019, 19, 14477-14492.	4.9	61
138	Drivers of improved PM _{2.5} air quality in China from 2013 to 2017. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24463-24469.	7.1	1,193
139	Long-term variations of the PM2.5 concentration identified by MODIS in the tropical rain forest, Southeast Asia. Atmospheric Research, 2019, 219, 140-152.	4.1	17
140	Atmospheric levels, variations, sources and health risk of PM2.5-bound polycyclic aromatic hydrocarbons during winter over the North China Plain. Science of the Total Environment, 2019, 655, 581-590.	8.0	50
141	Wintertime aerosol chemistry in Beijing during haze period: Significant contribution from secondary formation and biomass burning emission. Atmospheric Research, 2019, 218, 25-33.	4.1	36
142	A closure study of aerosol optical properties as a function of RH using a Î¹-AMS-BC-Mie model in Beijing, China. Atmospheric Environment, 2019, 197, 1-13.	4.1	11
143	Identifying Ammonia Hotspots in China Using a National Observation Network. Environmental Science & Technology, 2018, 52, 3926-3934.	10.0	146
144	The spatial representativeness of mixing layer height observations in the North China Plain. Atmospheric Research, 2018, 209, 204-211.	4.1	16

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145	Characterization, mixing state, and evolution of single particles in a megacity of Sichuan Basin, southwest China. Atmospheric Research, 2018, 209, 179-187.	4.1	28
146	Characterization and source identification of fine particulate matter in urban Beijing during the 2015 Spring Festival. Science of the Total Environment, 2018, 628-629, 430-440.	8.0	62
147	Two-year continuous measurements of carbonaceous aerosols in urban Beijing, China: Temporal variations, characteristics and source analyses. Chemosphere, 2018, 200, 191-200.	8.2	48
148	Vertical characteristics of VOCs in the lower troposphere over the North China Plain during pollution periods. Environmental Pollution, 2018, 236, 907-915.	7.5	43
149	The first validation of the precipitable water vapor of multisensor satellites over the typical regions in China. Remote Sensing of Environment, 2018, 206, 107-122.	11.0	45
150	Isotopic evidence for enhanced fossil fuel sources of aerosol ammonium in the urban atmosphere. Environmental Pollution, 2018, 238, 942-947.	7.5	65
151	Source Apportionment of Aerosol Ammonium in an Ammoniaâ€Rich Atmosphere: An Isotopic Study of Summer Clean and Hazy Days in Urban Beijing. Journal of Geophysical Research D: Atmospheres, 2018, 123, 5681-5689.	3.3	55
152	Mixing layer height on the North China Plain and meteorological evidence of serious air pollution in southern Hebei. Atmospheric Chemistry and Physics, 2018, 18, 4897-4910.	4.9	78
153	Characterization of submicron particles during autumn in Beijing, China. Journal of Environmental Sciences, 2018, 63, 16-27.	6.1	26
154	Ion balance and acidity of size-segregated particles during haze episodes in urban Beijing. Atmospheric Research, 2018, 201, 159-167.	4.1	29
155	The aerosol optical properties and PM 2.5 components over the world's largest industrial zone in Tangshan, North China. Atmospheric Research, 2018, 201, 226-234.	4.1	26
156	Aerosol chemical compositions in the North China Plain and the impact on the visibility in Beijing and Tianjin. Atmospheric Research, 2018, 201, 235-246.	4.1	85
157	Characteristics of fine particulate matter and its sources in an industrialized coastal city, Ningbo, Yangtze River Delta, China. Atmospheric Research, 2018, 203, 105-117.	4.1	77
158	Thermal internal boundary layer and its effects on air pollutants during summer in a coastal city in North China. Journal of Environmental Sciences, 2018, 70, 37-44.	6.1	29
159	Trends of photosynthetically active radiation over China from 1961 to 2014. International Journal of Climatology, 2018, 38, 4007-4024.	3.5	7
160	Water-soluble ions in PM2.5 during spring haze and dust periods in Chengdu, China: Variations, nitrate formation and potential source areas. Environmental Pollution, 2018, 243, 1740-1749.	7.5	49
161	Greenhouse gas emissions as influenced by wetland vegetation degradation along a moisture gradient on the eastern Qinghai-Tibet Plateau of North-West China. Nutrient Cycling in Agroecosystems, 2018, 112, 335-354.	2.2	20
162	Typical polar organic aerosol tracers in PM2.5 over the North China Plain: Spatial distribution, seasonal variations, contribution and sources. Chemosphere, 2018, 209, 758-766.	8.2	20

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163	PM2.5 Characteristics and Regional Transport Contribution in Five Cities in Southern North China Plain, During 2013â€“2015. Atmosphere, 2018, 9, 157.	2.3	20
164	Characteristics of PM_{2.5} mass concentrations and chemical species in urban and background areas of China: emerging results from the CARE-China network. Atmospheric Chemistry and Physics, 2018, 18, 8849-8871.	4.9	144
165	Chemical characteristics of PM2.5 during haze episodes in spring 2013 in Beijing. Urban Climate, 2017, 22, 51-63.	5.7	26
166	Estimates of Health Impacts and Radiative Forcing in Winter Haze in Eastern China through Constraints of Surface PM_{2.5} Predictions. Environmental Science & Technology, 2017, 51, 2178-2185.	10.0	64
167	Characterization of black carbon in an urban-rural fringe area of Beijing. Environmental Pollution, 2017, 223, 524-534.	7.5	54
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