Junji Cao

List of Publications by Year in descending order

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Version: 2024-02-01

		2538	3312
722	48,961	96	184
papers	citations	h-index	g-index

771	771	771	30980
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High secondary aerosol contribution to particulate pollution during haze events in China. Nature, 2014, 514, 218-222.	13.7	3,582
2	Global Iron Connections Between Desert Dust, Ocean Biogeochemistry, and Climate. Science, 2005, 308, 67-71.	6.0	2,365
3	Airborne transmission of SARS-CoV-2: The world should face the reality. Environment International, 2020, 139, 105730.	4.8	1,247
4	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.	3.3	1,193
5	Multivariate analysis of heavy metal contamination in urban dusts of Xi'an, Central China. Science of the Total Environment, 2006, 355, 176-186.	3.9	1,135
6	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
7	Persistent sulfate formation from London Fog to Chinese haze. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13630-13635.	3.3	1,044
8	How can airborne transmission of COVID-19 indoors be minimised?. Environment International, 2020, 142, 105832.	4.8	933
9	Severe haze in northern China: A synergy of anthropogenic emissions and atmospheric processes. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8657-8666.	3.3	609
10	Black soot and the survival of Tibetan glaciers. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 22114-22118.	3.3	606
11	Characterization and source apportionment of atmospheric organic and elemental carbon during fall and winter of 2003 in Xi'an, China. Atmospheric Chemistry and Physics, 2005, 5, 3127-3137.	1.9	497
12	Ice melt, sea level rise and superstorms: evidence from paleoclimate data, climate modeling, and modern observations that 2 Â°C global warming could be dangerous. Atmospheric Chemistry and Physics, 2016, 16, 3761-3812.	1.9	421
13	Fine Particulate Matter Constituents and Cardiopulmonary Mortality in a Heavily Polluted Chinese City. Environmental Health Perspectives, 2012, 120, 373-378.	2.8	413
14	Systematic review of Chinese studies of short-term exposure to air pollution and daily mortality. Environment International, 2013, 54, 100-111.	4.8	413
15	Winter and Summer PM_{2.5} Chemical Compositions in Fourteen Chinese Cities. Journal of the Air and Waste Management Association, 2012, 62, 1214-1226.	0.9	350
16	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
17	Ammonia emission control in China would mitigate haze pollution and nitrogen deposition, but worsen acid rain. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7760-7765.	3.3	308
18	Molecular, Seasonal, and Spatial Distributions of Organic Aerosols from Fourteen Chinese Cities. Environmental Science & Technology, 2006, 40, 4619-4625.	4.6	306

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19	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
20	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
21	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
22	PM2.5-bound oxygenated PAHs, nitro-PAHs and parent-PAHs from the atmosphere of a Chinese megacity: Seasonal variation, sources and cancer risk assessment. Science of the Total Environment, 2014, 473-474, 77-87.	3.9	272
23	Impacts of aerosol compositions on visibility impairment in Xi'an, China. Atmospheric Environment, 2012, 59, 559-566.	1.9	271
24	New eolian red clay sequence on the western Chinese Loess Plateau linked to onset of Asian desertification about 25 Ma ago. Science China Earth Sciences, 2011, 54, 136-144.	2.3	267
25	Evolution of planetary boundary layer under different weather conditions, and its impact on aerosol concentrations. Particuology, 2013, 11, 34-40.	2.0	260
26	Environment-Friendly Carbon Quantum Dots/ZnFe₂O₄ Photocatalysts: Characterization, Biocompatibility, and Mechanisms for NO Removal. Environmental Science & Technology, 2017, 51, 2924-2933.	4.6	260
27	Water-soluble ions in atmospheric aerosols measured in Xi'an, China: Seasonal variations and sources. Atmospheric Research, 2011, 102, 110-119.	1.8	252
28	Evaluation of the thermal/optical reflectance method for discrimination between char- and soot-EC. Chemosphere, 2007, 69, 569-574.	4.2	249
29	A distributed network of low-cost continuous reading sensors to measure spatiotemporal variations of PM2.5 in Xi'an, China. Environmental Pollution, 2015, 199, 56-65.	3.7	248
30	Removal of Indoor Volatile Organic Compounds via Photocatalytic Oxidation: A Short Review and Prospect. Molecules, 2016, 21, 56.	1.7	247
31	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
32	A keystone microbial enzyme for nitrogen control of soil carbon storage. Science Advances, 2018, 4, eaaq1689.	4.7	234
33	Global Survey of Antibiotic Resistance Genes in Air. Environmental Science & Technology, 2018, 52, 10975-10984.	4.6	227
34	Fabrication of Bi2O2CO3/g-C3N4 heterojunctions for efficiently photocatalytic NO in air removal: In-situ self-sacrificial synthesis, characterizations and mechanistic study. Applied Catalysis B: Environmental, 2016, 199, 123-133.	10.8	214
35	Roles of N-Vacancies over Porous g-C₃N₄ Microtubes during Photocatalytic NO_x Removal. ACS Applied Materials & Interfaces, 2019, 11, 10651-10662.	4.0	210
36	Changes in air quality related to the control of coronavirus in China: Implications for traffic and industrial emissions. Science of the Total Environment, 2020, 731, 139133.	3.9	208

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37	Seasonal Variation of Chemical Species Associated With Short-Term Mortality Effects of PM2.5 in Xiâ€™an, a Central City in China. American Journal of Epidemiology, 2012, 175, 556-566.	1.6	207
38	Oxygen vacancy engineering of Bi2O3/Bi2O2CO3 heterojunctions: Implications of the interfacial charge transfer, NO adsorption and removal. Applied Catalysis B: Environmental, 2018, 231, 357-367.	10.8	203
39	Different characteristics of char and soot in the atmosphere and their ratio as an indicator for source identification in Xi'an, China. Atmospheric Chemistry and Physics, 2010, 10, 595-607.	1.9	200
40	Soot reference materials for instrument calibration and intercomparisons: a workshop summary with recommendations. Atmospheric Measurement Techniques, 2012, 5, 1869-1887.	1.2	197
41	A possible pathway for rapid growth of sulfate during haze days in China. Atmospheric Chemistry and Physics, 2017, 17, 3301-3316.	1.9	193
42	A paradigm shift to combat indoor respiratory infection. Science, 2021, 372, 689-691.	6.0	192
43	Young people's burden: requirement of negative CO₂ emissions. Earth System Dynamics, 2017, 8, 577-616.	2.7	189
44	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
45	Black carbon relationships with emissions and meteorology in Xi'an, China. Atmospheric Research, 2009, 94, 194-202.	1.8	172
46	Synthesis of a Bi2O2CO3/ZnFe2O4 heterojunction with enhanced photocatalytic activity for visible light irradiation-induced NO removal. Applied Catalysis B: Environmental, 2018, 234, 70-78.	10.8	167
47	Fossil vs. non-fossil sources of fine carbonaceous aerosols in four Chinese cities during the extreme winter haze episode of 2013. Atmospheric Chemistry and Physics, 2015, 15, 1299-1312.	1.9	163
48	Geochemistry of Daihai Lake sediments, Inner Mongolia, north China: Implications for provenance, sedimentary sorting, and catchment weathering. Geomorphology, 2006, 80, 147-163.	1.1	161
49	Aerosol pollution in China: Present and future impact on environment. Particuology, 2009, 7, 426-431.	2.0	161
50	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
51	Costimulation of soil glycosidase activity and soil respiration by nitrogen addition. Global Change Biology, 2017, 23, 1328-1337.	4.2	154
52	Self-assembly synthesis of boron-doped graphitic carbon nitride hollow tubes for enhanced photocatalytic NOx removal under visible light. Applied Catalysis B: Environmental, 2018, 239, 352-361.	10.8	154
53	Polycyclic aromatic hydrocarbons (PAHs) and their derivatives (alkyl-PAHs, oxygenated-PAHs,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 512-520.	4.2	153
54	Severe Pollution in China Amplified by Atmospheric Moisture. Scientific Reports, 2017, 7, 15760.	1.6	151

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55	Occurrence, gas/particle partitioning and carcinogenic risk of polycyclic aromatic hydrocarbons and their oxygen and nitrogen containing derivatives in Xi'an, central China. Science of the Total Environment, 2015, 505, 814-822.	3.9	150
56	Stable carbon isotopes in aerosols from Chinese cities: Influence of fossil fuels. Atmospheric Environment, 2011, 45, 1359-1363.	1.9	149
57	Spatial and seasonal variations of PM 2.5 mass and species during 2010 in Xi'an, China. Science of the Total Environment, 2015, 508, 477-487.	3.9	149
58	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
59	Post-plasma-catalytic removal of toluene using MnO2â€“Co3O4 catalysts and their synergistic mechanism. Chemical Engineering Journal, 2018, 348, 15-25.	6.6	146
60	Variability of organic and elemental carbon, water soluble organic carbon, and isotopes in Hong Kong. Atmospheric Chemistry and Physics, 2006, 6, 4569-4576.	1.9	142
61	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
62	Widespread and persistent ozone pollution in eastern China during the non-winter season of 2015: observations and source attributions. Atmospheric Chemistry and Physics, 2017, 17, 2759-2774.	1.9	138
63	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
64	Characteristics and sources of carbonaceous aerosols from Shanghai, China. Atmospheric Chemistry and Physics, 2013, 13, 803-817.	1.9	134
65	Megacity impacts on regional ozone formation: observations and WRF-Chem modeling for the MIRAGE-Shanghai field campaign. Atmospheric Chemistry and Physics, 2013, 13, 5655-5669.	1.9	132
66	Visible-Light-Active Plasmonic Agâ€“SrTiO₃ Nanocomposites for the Degradation of NO in Air with High Selectivity. ACS Applied Materials & Interfaces, 2016, 8, 4165-4174.	4.0	132
67	Differential responses of carbonâ€degrading enzyme activities to warming: Implications for soil respiration. Global Change Biology, 2018, 24, 4816-4826.	4.2	131
68	Chemically-speciated on-road PM2.5 motor vehicle emission factors in Hong Kong. Science of the Total Environment, 2010, 408, 1621-1627.	3.9	130
69	Sulfate formation is dominated by manganese-catalyzed oxidation of SO2 on aerosol surfaces during haze events. Nature Communications, 2021, 12, 1993.	5.8	128
70	Perovskite LaFeO3-SrTiO3 composite for synergistically enhanced NO removal under visible light excitation. Applied Catalysis B: Environmental, 2017, 204, 346-357.	10.8	127
71	Biocompatible FeOOH-Carbon quantum dots nanocomposites for gaseous NO removal under visible light: Improved charge separation and High selectivity. Journal of Hazardous Materials, 2018, 354, 54-62.	6.5	126
72	A Rb/Sr record of catchment weathering response to Holocene climate change in Inner Mongolia. Earth Surface Processes and Landforms, 2006, 31, 285-291.	1.2	125

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73	Evaluation of preindustrial to present-day black carbon and its albedo forcing from Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP). Atmospheric Chemistry and Physics, 2013, 13, 2607-2634.	1.9	125
74	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
75	Seasonal variations and sources of mass and chemical composition for PM10 aerosol in Hangzhou, China. Particuology, 2009, 7, 161-168.	2.0	124
76	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
77	Protonated g-C3N4/Ti3+ self-doped TiO2 nanocomposite films: Room-temperature preparation, hydrophilicity, and application for photocatalytic NO removal. Applied Catalysis B: Environmental, 2019, 240, 122-131.	10.8	122
78	Size-distributions of <i>n</i>-alkanes, PAHs and hopanes and their sources in the urban, mountain and marine atmospheres over East Asia. Atmospheric Chemistry and Physics, 2009, 9, 8869-8882.	1.9	120
79	Aerosol particles at a highâ€altitude site on the Southeast Tibetan Plateau, China: Implications for pollution transport from South Asia. Journal of Geophysical Research D: Atmospheres, 2013, 118, 11,360.	1.2	120
80	Seasonal and spatial variability of the OM/OC mass ratios and high regional correlation between oxalic acid and zinc in Chinese urban organic aerosols. Atmospheric Chemistry and Physics, 2013, 13, 4307-4318.	1.9	119
81	Atmospheric levels and cytotoxicity of polycyclic aromatic hydrocarbons and oxygenated-PAHs in PM2.5 in the Beijing-Tianjin-Hebei region. Environmental Pollution, 2017, 231, 1075-1084.	3.7	119
82	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
83	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
84	Inter-annual variability of wintertime PM 2.5 chemical composition in Xi'an, China: Evidences of changing source emissions. Science of the Total Environment, 2016, 545-546, 546-555.	3.9	118
85	The decreasing albedo of the Zhadang glacier on western Nyainqentanglha and the role of light-absorbing impurities. Atmospheric Chemistry and Physics, 2014, 14, 11117-11128.	1.9	117
86	Differential responses of ecosystem respiration components to experimental warming in a meadow grassland on the Tibetan Plateau. Agricultural and Forest Meteorology, 2016, 220, 21-29.	1.9	117
87	Characterization of carbon fractions for atmospheric fine particles and nanoparticles in a highway tunnel. Atmospheric Environment, 2010, 44, 2668-2673.	1.9	116
88	Emission characteristics of carbonaceous particles and trace gases from open burning of crop residues in China. Atmospheric Environment, 2015, 123, 399-406.	1.9	114
89	Characterizations of volatile organic compounds (VOCs) from vehicular emissions at roadside environment: The first comprehensive study in Northwestern China. Atmospheric Environment, 2017, 161, 1-12.	1.9	112
90	PM2.5 and PM10-2.5 chemical composition and source apportionment near a Hong Kong roadway. Particuology, 2015, 18, 96-104.	2.0	109

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91	Particulate matters emitted from maize straw burning for winter heating in rural areas in Guanzhong Plain, China: Current emission and future reduction. Atmospheric Research, 2017, 184, 66-76.	1.8	109
92	Characterizing ionic species in PM2.5 and PM10 in four Pearl River Delta cities, South China. Journal of Environmental Sciences, 2007, 19, 939-947.	3.2	107
93	Deposition of anthropogenic aerosols in a southeastern Tibetan glacier. Journal of Geophysical Research, 2009, 114, .	3.3	106
94	A budget analysis of the formation of haze in Beijing. Atmospheric Environment, 2015, 100, 25-36.	1.9	106
95	Chemical profiles of urban fugitive dust PM2.5 samples in Northern Chinese cities. Science of the Total Environment, 2016, 569-570, 619-626.	3.9	104
96	PM1.0and PM2.5Characteristics in the Roadside Environment of Hong Kong. Aerosol Science and Technology, 2006, 40, 157-165.	1.5	103
97	Post-depositional enrichment of black soot in snow-pack and accelerated melting of Tibetan glaciers. Environmental Research Letters, 2012, 7, 014022.	2.2	103
98	Effect of heavy haze and aerosol pollution on rice and wheat productions in China. Scientific Reports, 2016, 6, 29612.	1.6	103
99	Seasonal variations and mass closure analysis of particulate matter in Hong Kong. Science of the Total Environment, 2006, 355, 276-287.	3.9	102
100	PM2.5-bound polycyclic aromatic hydrocarbons (PAHs) in Beijing: Seasonal variations, sources, and risk assessment. Journal of Environmental Sciences, 2019, 77, 11-19.	3.2	100
101	Chemical Characteristics of Fine Particles (PM₁) from Xi'an, China. Aerosol Science and Technology, 2010, 44, 461-472.	1.5	98
102	Effect of isoprene emissions from major forests on ozone formation in the city of Shanghai, China. Atmospheric Chemistry and Physics, 2011, 11, 10449-10459.	1.9	98
103	Summer and winter variations of dicarboxylic acids, fatty acids and benzoic acid in PM_{2.5} in Pearl Delta River Region, China. Atmospheric Chemistry and Physics, 2011, 11, 2197-2208.	1.9	98
104	Particulate-associated potentially harmful elements in urban road dusts in Xiâ€™an, China. Applied Geochemistry, 2008, 23, 835-845.	1.4	97
105	Improved Oxygen Activation over a Carbon/Co₃O₄ Nanocomposite for Efficient Catalytic Oxidation of Formaldehyde at Room Temperature. Environmental Science & Technology, 2021, 55, 4054-4063.	4.6	97
106	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
107	Optical properties and possible sources of brown carbon in PM 2.5 over Xi'an, China. Atmospheric Environment, 2017, 150, 322-330.	1.9	96
108	Evaluation of the thermal/optical reflectance method for quantification of elemental carbon in sediments. Chemosphere, 2007, 69, 526-533.	4.2	93

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109	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
110	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
111	Source apportionment of PM2.5 in urban area of Hong Kong. Journal of Hazardous Materials, 2006, 138, 73-85.	6.5	92
112	Elemental Carbon and Polycyclic Aromatic Compounds in a 150-Year Sediment Core from Lake Qinghai, Tibetan Plateau, China: Influence of Regional and Local Sources and Transport Pathways. Environmental Science & Technology, 2015, 49, 4176-4183.	4.6	92
113	Evolution of PM2.5 Measurements and Standards in the U.S. and Future Perspectives for China. Aerosol and Air Quality Research, 2013, 13, 1197-1211.	0.9	91
114	Organic Molecular Compositions and Size Distributions of Chinese Summer and Autumn Aerosols from Nanjing: Characteristic Haze Event Caused by Wheat Straw Burning. Environmental Science & Technology, 2009, 43, 6493-6499.	4.6	90
115	Characterization of PM 2.5 in Guangzhou, China: uses of organic markers for supporting source apportionment. Science of the Total Environment, 2016, 550, 961-971.	3.9	89
116	Seasonal variations and chemical characteristics of sub-micrometer particles (PM1) in Guangzhou, China. Atmospheric Research, 2012, 118, 222-231.	1.8	88
117	Characteristics of PM2.5 emitted from different cooking activities in China. Atmospheric Research, 2015, 166, 83-91.	1.8	88
118	Stronger warming effects on microbial abundances in colder regions. Scientific Reports, 2016, 5, 18032.	1.6	88
119	Plasmonic Bi/ZnWO₄ Microspheres with Improved Photocatalytic Activity on NO Removal under Visible Light. ACS Sustainable Chemistry and Engineering, 2016, 4, 6912-6920.	3.2	88
120	Oxygen vacancyâ€“engineered Î´-MnO /activated carbon for room-temperature catalytic oxidation of formaldehyde. Applied Catalysis B: Environmental, 2020, 278, 119294.	10.8	87
121	Concentrations, seasonal variations, and transport of carbonaceous aerosols at a remote Mountainous region in western China. Atmospheric Environment, 2009, 43, 4444-4452.	1.9	85
122	Indoor/outdoor relationships for PM2.5 and associated carbonaceous pollutants at residential homes in Hong Kong - case study. Indoor Air, 2005, 15, 197-204.	2.0	84
123	Wintertime secondary organic aerosol formation in Beijingâ€“Tianjinâ€“Hebei (BTH): contributions of HONO sources and heterogeneous reactions. Atmospheric Chemistry and Physics, 2019, 19, 2343-2359.	1.9	83
124	Analysis of a Severe Dust Storm Event over China: Application of the WRF-Dust Model. Aerosol and Air Quality Research, 2011, 11, 419-428.	0.9	83
125	Measuring and modeling black carbon (BC) contamination in the SE Tibetan Plateau. Journal of Atmospheric Chemistry, 2010, 67, 45-60.	1.4	82
126	Typical synoptic situations and their impacts on the wintertime air pollution in the Guanzhong basin, China. Atmospheric Chemistry and Physics, 2016, 16, 7373-7387.	1.9	82

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127	Emissions of polycyclic aromatic hydrocarbons from coking industries in China. Particuology, 2013, 11, 86-93.	2.0	80
128	Chemical Composition of PM₁₀ and PM_{2.5} Collected at Ground Level and 100 Meters during a Strong Winter-Time Pollution Episode in Xi'an, China. Journal of the Air and Waste Management Association, 2011, 61, 1150-1159.	0.9	77
129	n-Alkanes and polycyclic aromatic hydrocarbons in total suspended particulates from the southeastern Tibetan Plateau: Concentrations, seasonal variations, and sources. Science of the Total Environment, 2014, 470-471, 9-18.	3.9	77
130	Climate effect of black carbon aerosol in a Tibetan Plateau glacier. Atmospheric Environment, 2015, 111, 71-78.	1.9	77
131	Characterization and cytotoxicity of PAHs in PM2.5 emitted from residential solid fuel burning in the Guanzhong Plain, China. Environmental Pollution, 2018, 241, 359-368.	3.7	77
132	PM2.5 from the Guanzhong Plain: Chemical composition and implications for emission reductions. Atmospheric Environment, 2016, 147, 458-469.	1.9	77
133	Carbonaceous aerosols in PM10 and pollution gases in winter in Beijing. Journal of Environmental Sciences, 2007, 19, 564-571.	3.2	76
134	Comparison of abundances, compositions and sources of elements, inorganic ions and organic compounds in atmospheric aerosols from Xi'an and New Delhi, two megacities in China and India. Science of the Total Environment, 2014, 476-477, 485-495.	3.9	75
135	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
136	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
137	Comparison of Elemental Carbon in Lake Sediments Measured by Three Different Methods and 150-Year Pollution History in Eastern China. Environmental Science & Technology, 2011, 45, 5287-5293.	4.6	74
138	Precautions for in-injection port thermal desorption-gas chromatography/mass spectrometry (TD-GC/MS) as applied to aerosol filter samples. Atmospheric Environment, 2011, 45, 1491-1496.	1.9	74
139	Primary emissions versus secondary formation of fine particulate matter in the most polluted city (Shijiazhuang) in North China. Atmospheric Chemistry and Physics, 2019, 19, 2283-2298.	1.9	74
140	Carbonaceous aerosols recorded in a southeastern Tibetan glacier: analysis of temporal variations and model estimates of sources and radiative forcing. Atmospheric Chemistry and Physics, 2015, 15, 1191-1204.	1.9	72
141	Regional modeling of organic aerosols over China in summertime. Journal of Geophysical Research, 2008, 113, .	3.3	71
142	Chemical composition and bioreactivity of PM2.5 during 2013 haze events in China. Atmospheric Environment, 2016, 126, 162-170.	1.9	71
143	Comparison of dicarboxylic acids and related compounds in aerosol samples collected in Xi'an, China during haze and clean periods. Atmospheric Environment, 2013, 81, 443-449.	1.9	70
144	High Contribution of Secondary Brown Carbon to Aerosol Light Absorption in the Southeastern Margin of Tibetan Plateau. Geophysical Research Letters, 2019, 46, 4962-4970.	1.5	70

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145	Impact of crop field burning and mountains on heavy haze in the North China Plain: a case study. Atmospheric Chemistry and Physics, 2016, 16, 9675-9691.	1.9	69
146	Composition and size distribution of airborne particulate PAHs and oxygenated PAHs in two Chinese megacities. Atmospheric Research, 2017, 183, 322-330.	1.8	69
147	Contributions of trans-boundary transport to summertime air quality in Beijing, China. Atmospheric Chemistry and Physics, 2017, 17, 2035-2051.	1.9	69
148	Long-term trends in visibility and impacts of aerosol composition on visibility impairment in Baoji, China. Atmospheric Research, 2014, 149, 88-95.	1.8	68
149	A Biomass Combustion Chamber: Design, Evaluation, and a Case Study of Wheat Straw Combustion Emission Tests. Aerosol and Air Quality Research, 2015, 15, 2104-2114.	0.9	68
150	Characterization and source apportionment of aerosol light extinction in Chengdu, southwest China. Atmospheric Environment, 2014, 95, 552-562.	1.9	67
151	Characteristics of water-soluble organic nitrogen in fine particulate matter in the continental area of China. Atmospheric Environment, 2015, 106, 252-261.	1.9	67
152	Seasonal and Annual Variations in Atmospheric Hg and Pb Isotopes in Xiâ€™an, China. Environmental Science & Technology, 2017, 51, 3759-3766.	4.6	67
153	Effect of agricultural waste burning season on PM 2.5 -bound polycyclic aromatic hydrocarbon (PAH) levels in Northern Thailand. Atmospheric Pollution Research, 2017, 8, 1069-1080.	1.8	67
154	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
155	Impacts of PM2.5 sources on variations in particulate chemical compounds in ambient air of Bangkok, Thailand. Atmospheric Pollution Research, 2020, 11, 1657-1667.	1.8	67
156	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
157	Controllable Synthesis of Coreâ€“Shell Bi@Amorphous Bi₂O₃ Nanospheres with Tunable Optical and Photocatalytic Activity for NO Removal. Industrial & Engineering Chemistry Research, 2017, 56, 10251-10258.	1.8	66
158	Impacts of biogenic and anthropogenic emissions on summertime ozone formation in the Guanzhong Basin, China. Atmospheric Chemistry and Physics, 2018, 18, 7489-7507.	1.9	66
159	In situ Fabrication of Î±-Bi2O3/(BiO)2CO3 Nanoplate Heterojunctions with Tunable Optical Property and Photocatalytic Activity. Scientific Reports, 2016, 6, 23435.	1.6	65
160	Characterization of volatile organic compounds at a roadside environment in Hong Kong: An investigation of influences after air pollution control strategies. Atmospheric Environment, 2015, 122, 809-818.	1.9	64
161	Contribution of regional transport to the black carbon aerosol during winter haze period in Beijing. Atmospheric Environment, 2016, 132, 11-18.	1.9	64
162	Summertime ozone formation in Xi'an and surrounding areas, China. Atmospheric Chemistry and Physics, 2016, 16, 4323-4342.	1.9	64

#	Article	IF	Citations
163	Characterization of Atmospheric Ammonia over Xiâ€™an, China. Aerosol and Air Quality Research, 2009, 9, 277-289.	0.9	64
164	Abundance, composition and source of atmospheric PM_{2.5} at a remote site in the Tibetan Plateau, China. Tellus, Series B: Chemical and Physical Meteorology, 2022, 65, 20281.	0.8	63
165	Investigation of Primary and Secondary Particulate Brown Carbon in Two Chinese Cities of Xiâ€™an and Hong Kong in Wintertime. Environmental Science & Technology, 2020, 54, 3803-3813.	4.6	63
166	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
167	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
168	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
169	Source apportionment of carbonaceous aerosols in Xi'an, China: insights from a full year of measurements of radiocarbon and the stable isotope ¹³C. Atmospheric Chemistry and Physics, 2018, 18, 16363-16383.	1.9	62
170	UHPLC-Orbitrap mass spectrometric characterization of organic aerosol from a central European city (Mainz, Germany) and a Chinese megacity (Beijing). Atmospheric Environment, 2018, 189, 22-29.	1.9	62
171	Emission Characteristics of Primary Brown Carbon Absorption From Biomass and Coal Burning: Development of an Optical Emission Inventory for China. Journal of Geophysical Research D: Atmospheres, 2019, 124, 1879-1893.	1.2	62
172	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
173	Spectral dependence of aerosol light absorption at an urban and a remote site over the Tibetan Plateau. Science of the Total Environment, 2017, 590-591, 14-21.	3.9	60
174	Contributions of residential coal combustion to the air quality in Beijingâ€“Tianjinâ€“Hebei (BTH), China: a case study. Atmospheric Chemistry and Physics, 2018, 18, 10675-10691.	1.9	60
175	Constructing Z-scheme SnO₂/N-doped carbon quantum dots/ZnSn(OH)₆ nanohybrids with high redox ability for NOx removal under VIS-NIR light. Journal of Materials Chemistry A, 2019, 7, 15782-15793.	5.2	60
176	Highly Selective Photocatalytic CO₂ Methanation with Water Vapor on Singleâ€Atom Platinumâ€Decorated Defective Carbon Nitride. Angewandte Chemie - International Edition, 2022, 61, .	7.2	60
177	Hierarchical porous ZnWO4 microspheres synthesized by ultrasonic spray pyrolysis: Characterization, mechanistic and photocatalytic NO removal studies. Applied Catalysis A: General, 2016, 515, 170-178.	2.2	59
178	Optical characteristics and source apportionment of brown carbon in winter PM2.5 over Yulin in Northern China. Atmospheric Research, 2018, 213, 27-33.	1.8	59
179	Chemical characterization of aerosol collected at Mt. Yulong in wintertime on the southeastern Tibetan Plateau. Atmospheric Research, 2012, 107, 76-85.	1.8	58
180	Black carbon aerosol characterization in a remote area of Qinghaiâ€“Tibetan Plateau, western China. Science of the Total Environment, 2014, 479-480, 151-158.	3.9	58

#	Article	IF	Citations
181	Characteristics and major sources of carbonaceous aerosols in PM 2.5 from Sanya, China. Science of the Total Environment, 2015, 530-531, 110-119.	3.9	58
182	Characteristics of carbonaceous particles from residential coal combustion and agricultural biomass burning in China. Atmospheric Pollution Research, 2017, 8, 521-527.	1.8	58
183	Spatially explicit analysis identifies significant potential for bioenergy with carbon capture and storage in China. Nature Communications, 2021, 12, 3159.	5.8	58
184	Sources of secondary organic aerosols in the Pearl River Delta region in fall: Contributions from the aqueous reactive uptake of dicarbonyls. Atmospheric Environment, 2013, 76, 200-207.	1.9	57
185	Personal exposure of PM2.5 emitted from solid fuels combustion for household heating and cooking in rural Guanzhong Plain, northwestern China. Atmospheric Environment, 2018, 185, 196-206.	1.9	57
186	Simulation and optimization of the post plasma-catalytic system for toluene degradation by a hybrid ANN and NSGA-II method. Applied Catalysis B: Environmental, 2019, 244, 107-119.	10.8	57
187	Aerosolâ€“photolysis interaction reduces particulate matter during wintertime haze events. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 9755-9761.	3.3	57
188	Long-term trends in chemical composition of precipitation at Lijiang, southeast Tibetan Plateau, southwestern China. Atmospheric Research, 2012, 106, 50-60.	1.8	56
189	Chemical characteristics of PM2.5 during dust storms and air pollution events in Chengdu, China. Particuology, 2013, 11, 70-77.	2.0	56
190	Impacts of meteorological uncertainties on the haze formation in Beijingâ€“Tianjinâ€“Hebei (BTH) during wintertime: a case study. Atmospheric Chemistry and Physics, 2017, 17, 14579-14591.	1.9	56
191	Optical source profiles of brown carbon in size-resolved particulate matter from typical domestic biofuel burning over Guanzhong Plain, China. Science of the Total Environment, 2018, 622-623, 244-251.	3.9	56
192	Evaluation and characterization of volatile air toxics indoors in a heavy polluted city of northwestern China in wintertime. Science of the Total Environment, 2019, 662, 470-480.	3.9	56
193	Effects of H2O2 generation over visible light-responsive Bi/Bi2O2â€²CO3 nanosheets on their photocatalytic NO removal performance. Chemical Engineering Journal, 2019, 363, 374-382.	6.6	56
194	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
195	Characteristics of surface ozone at an urban site of Xi'an in Northwest China. Journal of Environmental Monitoring, 2012, 14, 116-126.	2.1	55
196	Seasonal variations of anhydrosugars in PM_{2.5} in the Pearl River Delta Region, China. Tellus, Series B: Chemical and Physical Meteorology, 2022, 66, 22577.	0.8	55
197	Characterization and seasonal variations of levoglucosan in fine particulate matter in Xiâ€™an, China. Journal of the Air and Waste Management Association, 2014, 64, 1317-1327.	0.9	55
198	Black carbon aerosol in winter northeastern Qinghaiâ€“Tibetan Plateau, China: the source, mixing state and optical property. Atmospheric Chemistry and Physics, 2015, 15, 13059-13069.	1.9	55

#	Article	IF	Citations
199	Microscale spatial distribution and health assessment of PM2.5-bound polycyclic aromatic hydrocarbons (PAHs) at nine communities in Xi'an, China. Environmental Pollution, 2016, 218, 1065-1073.	3.7	55
200	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
201	Characterization of PM2.5 source profiles from typical biomass burning of maize straw, wheat straw, wood branch, and their processed products (briquette and charcoal) in China. Atmospheric Environment, 2019, 205, 36-45.	1.9	55
202	Summertime and wintertime atmospheric processes of secondary aerosol in Beijing. Atmospheric Chemistry and Physics, 2020, 20, 3793-3807.	1.9	55
203	Chemical Composition and Light Extinction Contribution of PM2.5 in Urban Beijing for a 1-Year Period. Aerosol and Air Quality Research, 2015, 15, 2200-2211.	0.9	55
204	Characteristics of indoor/outdoor PM2.5 and elemental components in generic urban, roadside and industrial plant areas of Guangzhou City, China. Journal of Environmental Sciences, 2007, 19, 35-43.	3.2	54
205	Warming Effects on Ecosystem Carbon Fluxes Are Modulated by Plant Functional Types. Ecosystems, 2017, 20, 515-526.	1.6	54
206	Light absorption properties of brown carbon over the southeastern Tibetan Plateau. Science of the Total Environment, 2018, 625, 246-251.	3.9	54
207	Sources and physicochemical characteristics of black carbon aerosol from the southeastern Tibetan Plateau: internal mixing enhances light absorption. Atmospheric Chemistry and Physics, 2018, 18, 4639-4656.	1.9	54
208	In situ g-C₃N₄ self-sacrificial synthesis of a g-C₃N₄/LaCO₃OH heterostructure with strong interfacial charge transfer and separation for photocatalytic NO removal. Journal of Materials Chemistry A, 2018, 6, 972-981.	5.2	54
209	Impacts of primary emissions and secondary aerosol formation on air pollution in an urban area of China during the COVID-19 lockdown. Environment International, 2021, 150, 106426.	4.8	54
210	Chemical Characteristics of Submicron Particles in Winter in Xiâ€™an. Aerosol and Air Quality Research, 2009, 9, 80-93.	0.9	54
211	Observation of atmospheric aerosols at Mt. Hua and Mt. Tai in central and east China during spring 2009 â€“ Part 1: EC, OC and inorganic ions. Atmospheric Chemistry and Physics, 2011, 11, 4221-4235.	1.9	53
212	Holocene wildfire history and human activity from high-resolution charcoal and elemental black carbon records in the Guanzhong Basin of the Loess Plateau, China. Quaternary Science Reviews, 2015, 109, 76-87.	1.4	53
213	Grazing exclusion reduced soil respiration but increased its temperature sensitivity in a <scp>M</scp>eadow <scp>G</scp>rassland on the <scp>T</scp>ibetan <scp>P</scp>lateau. Ecology and Evolution, 2016, 6, 675-687.	0.8	53
214	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
215	Characteristics of Traffic-related Emissions: A Case Study in Roadside Ambient Air over Xiâ€™an, China. Aerosol and Air Quality Research, 2010, 10, 292-300.	0.9	53
216	Concentrations, sources and health effects of parent, oxygenated- and nitrated- polycyclic aromatic hydrocarbons (PAHs) in middle-school air in Xi'an, China. Atmospheric Research, 2017, 192, 1-10.	1.8	52

#	Article	IF	Citations
217	Enhanced photocatalytic removal of NO over titania/hydroxyapatite (TiO₂/HAp) composites with improved adsorption and charge mobility ability. RSC Advances, 2017, 7, 24683-24689.	1.7	52
218	Cobalt nanoparticles encapsulated in porous nitrogen-doped carbon: Oxygen activation and efficient catalytic removal of formaldehyde at room temperature. Applied Catalysis B: Environmental, 2019, 258, 117981.	10.8	52
219	Aerosolâ€“radiation feedback deteriorates the wintertime haze in the North China Plain. Atmospheric Chemistry and Physics, 2019, 19, 8703-8719.	1.9	52
220	Parent, alkylated, oxygenated and nitrated polycyclic aromatic hydrocarbons in PM2.5 emitted from residential biomass burning and coal combustion: A novel database of 14 heating scenarios. Environmental Pollution, 2021, 268, 115881.	3.7	52
221	Spatiotemporal variation, sources, and secondary transformation potential of volatile organic compounds in Xi'an, China. Atmospheric Chemistry and Physics, 2021, 21, 4939-4958.	1.9	52
222	The Influence of Dust on Quantitative Measurements of Black Carbon in Ice and Snow when Using a Thermal Optical Method. Aerosol Science and Technology, 2012, 46, 60-69.	1.5	51
223	Characterization of chemical components and bioreactivity of fine particulate matter (PM2.5) during incense burning. Environmental Pollution, 2016, 213, 524-532.	3.7	51
224	Visible-light-driven N-(BiO) 2 CO 3 /Graphene oxide composites with improved photocatalytic activity and selectivity for NO x removal. Applied Surface Science, 2018, 430, 137-144.	3.1	51
225	Differing toxicity of ambient particulate matter (PM) in global cities. Atmospheric Environment, 2019, 212, 305-315.	1.9	51
226	Chemical etching fabrication of uniform mesoporous Bi@Bi2O3 nanospheres with enhanced visible light-induced photocatalytic oxidation performance for NOx. Chemical Engineering Journal, 2021, 406, 126910.	6.6	51
227	High loadings and source strengths of organic aerosols in China. Geophysical Research Letters, 2006, 33, .	1.5	50
228	Seasonal and diurnal variations of mono- and di-carbonyls in Xi'an, China. Atmospheric Research, 2012, 113, 102-112.	1.8	50
229	Chemical composition and sources of PM2.5 and TSP collected at Qinghai Lake during summertime. Atmospheric Research, 2014, 138, 213-222.	1.8	50
230	China-U.S. cooperation to advance nuclear power. Science, 2016, 353, 547-548.	6.0	50
231	PM2.5 emissions and source profiles from open burning of crop residues. Atmospheric Environment, 2017, 169, 229-237.	1.9	50
232	Pulmonary inflammation induced by low-dose particulate matter exposure in mice. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 317, L424-L430.	1.3	50
233	Secondary organic aerosol enhanced by increasing atmospheric oxidizing capacity in Beijingâ€“Tianjinâ€“Hebei (BTH), China. Atmospheric Chemistry and Physics, 2019, 19, 7429-7443.	1.9	50
234	Impacts of natural and socioeconomic factors on PM2.5 from 2014 to 2017. Journal of Environmental Management, 2021, 284, 112071.	3.8	50

#	Article	IF	Citations
235	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
236	Indoor and Outdoor Chemical Components of PM2.5 in the Rural Areas of Northwestern China. Aerosol and Air Quality Research, 2012, 12, 1157-1165.	0.9	50
237	Atmospheric oxalic acid and related secondary organic aerosols inÂQinghai Lake, a continental background site in Tibet Plateau. Atmospheric Environment, 2013, 79, 582-589.	1.9	49
238	Evolution of aerosol chemistry in Xi'an, inland China, during the dust storm period of 2013 â€“ Part 1: Sources, chemical forms and formation mechanisms of nitrate and sulfate. Atmospheric Chemistry and Physics, 2014, 14, 11571-11585.	1.9	49
239	Physicochemical characteristics of black carbon aerosol and its radiative impact in a polluted urban area of China. Journal of Geophysical Research D: Atmospheres, 2016, 121, 12,505.	1.2	49
240	Characterization of parent and oxygenated-polycyclic aromatic hydrocarbons (PAHs) in Xiâ€™an, China during heating period: An investigation of spatial distribution and transformation. Chemosphere, 2016, 159, 367-377.	4.2	49
241	Cancer risk from polycyclic aromatic compounds in fine particulate matter generated from household coal combustion in Xuanwei, China. Chemosphere, 2017, 169, 660-668.	4.2	49
242	Impact of Climate Change on Siberian High and Wintertime Air Pollution in China in Past Two Decades. Earth's Future, 2018, 6, 118-133.	2.4	49
243	Large contribution of fossil fuel derived secondary organic carbon to water soluble organic aerosols in winter haze in China. Atmospheric Chemistry and Physics, 2018, 18, 4005-4017.	1.9	49
244	Polycyclic aromatic compounds (PAHs, oxygenated PAHs, nitrated PAHs and azaarenes) in soils from China and their relationship with geographic location, land use and soil carbon fractions. Science of the Total Environment, 2019, 690, 1268-1276.	3.9	49
245	Spectroscopic analysis of iron-oxide minerals in aerosol particles from northern China. Science of the Total Environment, 2006, 367, 899-907.	3.9	48
246	Chemical composition and size distribution of wintertime aerosols in the atmosphere of Mt. Hua in central China. Atmospheric Environment, 2011, 45, 1251-1258.	1.9	48
247	Simulations of organic aerosol concentrations during springtime in the Guanzhong Basin, China. Atmospheric Chemistry and Physics, 2016, 16, 10045-10061.	1.9	48
248	Increased secondary aerosol contribution and possible processing on polluted winter days in China. Environment International, 2019, 127, 78-84.	4.8	48
249	Effects of biomass briquetting and carbonization on PM2.5 emission from residential burning in Guanzhong Plain, China. Fuel, 2019, 244, 379-387.	3.4	48
250	Emission factors, characteristics, and gas-particle partitioning of polycyclic aromatic hydrocarbons in PM2.5 emitted for the typical solid fuel combustions in rural Guanzhong Plain, China. Environmental Pollution, 2021, 286, 117573.	3.7	48
251	Indoor/Outdoor Relationships for Organic and Elemental Carbon in PM2.5 at Residential Homes in Guangzhou, China. Aerosol and Air Quality Research, 2012, 12, 902-910.	0.9	48
252	Seasonal characteristics of oxalic acid and related SOA in the free troposphere of Mt. Hua, central China: Implications for sources and formation mechanisms. Science of the Total Environment, 2014, 493, 1088-1097.	3.9	47

#	Article	IF	Citations
253	Size-resolved airborne particulate oxalic and related secondary organic aerosol species in the urban atmosphere of Chengdu, China. Atmospheric Research, 2015, 161-162, 134-142.	1.8	47
254	Source apportionment of VOCs and their impacts on surface ozone in an industry city of Baoji, Northwestern China. Scientific Reports, 2017, 7, 9979.	1.6	47
255	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
256	Impact of Meteorological Parameters and Gaseous Pollutants on PM2.5 and PM10 Mass Concentrations during 2010 in Xiâ€™an, China. Aerosol and Air Quality Research, 2015, 15, 1844-1854.	0.9	47
257	Synthesis of SrFexTi1-xO3-Î´ nanocubes with tunable oxygen vacancies for selective and efficient photocatalytic NO oxidation. Applied Catalysis B: Environmental, 2018, 239, 1-9.	10.8	46
258	Primary PM2.5 and trace gas emissions from residential coal combustion: assessing semi-coke briquette for emission reduction in the Beijing-Tianjin-Hebei region, China. Atmospheric Environment, 2018, 191, 378-386.	1.9	46
259	Urban VOC profiles, possible sources, and its role in ozone formation for a summer campaign over Xiâ€™an, China. Environmental Science and Pollution Research, 2019, 26, 27769-27782.	2.7	46
260	Optical properties and molecular compositions of water-soluble and water-insoluble brown carbon (BrC) aerosols in northwest China. Atmospheric Chemistry and Physics, 2020, 20, 4889-4904.	1.9	46
261	On the potential high acid deposition in northeastern China. Journal of Geophysical Research D: Atmospheres, 2013, 118, 4834-4846.	1.2	45
262	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
263	Characteristics of polycyclic aromatic hydrocarbons in PM2.5 emitted from different cooking activities in China. Environmental Science and Pollution Research, 2018, 25, 4750-4760.	2.7	45
264	Is water vapor a key player of the wintertime haze in North China Plain?. Atmospheric Chemistry and Physics, 2019, 19, 8721-8739.	1.9	45
265	Characterization of urban amine-containing particles in southwestern China: seasonal variation, source, and processing. Atmospheric Chemistry and Physics, 2019, 19, 3245-3255.	1.9	45
266	Effects of rainfall amount and frequency on vegetation growth in a Tibetan alpine meadow. Climatic Change, 2013, 118, 197-212.	1.7	44
267	Effects of day-of-week trends and vehicle types on PM2.5-bounded carbonaceous compositions. Science of the Total Environment, 2015, 532, 484-494.	3.9	44
268	Effect of hydrolysis of N2O5 on nitrate and ammonium formation in Beijing China: WRF-Chem model simulation. Science of the Total Environment, 2017, 579, 221-229.	3.9	44
269	Step pyrolysis of N-rich industrial biowastes: Regulatory mechanism of NO precursor formation via exploring decisive reaction pathways. Chemical Engineering Journal, 2018, 344, 320-331.	6.6	44
270	Organosulfates in atmospheric aerosol: synthesis and quantitative analysis of PM_{2.5} from Xi'an, northwestern China. Atmospheric Measurement Techniques, 2018, 11, 3447-3456.	1.2	44

#	Article	IF	Citations
271	Determinants of personal exposure to fine particulate matter (PM2.5) in adult subjects in Hong Kong. Science of the Total Environment, 2018, 628-629, 1165-1177.	3.9	44
272	Spatial and seasonal variability of water-soluble ions in PM2.5 aerosols in 14 major cities in China. Atmospheric Environment, 2012, 60, 182-192.	1.9	43
273	Multi-wavelength light absorption of black and brown carbon at a high-altitude site on the Southeastern margin of the Tibetan Plateau, China. Atmospheric Environment, 2019, 212, 54-64.	1.9	43
274	Elemental profiles and signatures of fugitive dusts from Chinese deserts. Science of the Total Environment, 2014, 472, 1121-1129.	3.9	42
275	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
276	Distinctions in source regions and formation mechanisms of secondary aerosol in Beijing from summer to winter. Atmospheric Chemistry and Physics, 2019, 19, 10319-10334.	1.9	42
277	Characteristics of atmospheric PM2.5 composition during the implementation of stringent pollution control measures in shanghai for the 2016 G20 summit. Science of the Total Environment, 2019, 648, 1121-1129.	3.9	42
278	Indoor Air Pollution Levels in Decorated Residences and Public Places over Xiâ€™an, China. Aerosol and Air Quality Research, 2017, 17, 2197-2205.	0.9	42
279	Spatial and seasonal distributions of atmospheric carbonaceous aerosols in pearl river delta region, china. Particuology: Science and Technology of Particles, 2003, 1, 33-37.	0.4	41
280	Exposure to PM2.5 and PAHs from the Tong Liang, China Epidemiological Study. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2006, 41, 517-542.	0.9	41
281	Polycyclic aromatic hydrocarbons (PAHs) in atmospheric dustfall from the industrial corridor in Hubei Province, Central China. Environmental Geochemistry and Health, 2015, 37, 891-903.	1.8	41
282	Two distinct patterns of seasonal variation of airborne black carbon over Tibetan Plateau. Science of the Total Environment, 2016, 573, 1041-1052.	3.9	41
283	Seasonal variation, spatial distribution and source apportionment for polycyclic aromatic hydrocarbons (PAHs) at nineteen communities in Xi'an, China: The effects of suburban scattered emissions in winter. Environmental Pollution, 2017, 231, 1330-1343.	3.7	41
284	Molecular distribution and stable carbon isotopic compositions of dicarboxylic acids and related SOA from biogenic sources in the summertime atmosphere of Mt. Tai in the North China Plain. Atmospheric Chemistry and Physics, 2018, 18, 15069-15086.	1.9	41
285	Volatile organic compounds emissions from traditional and clean domestic heating appliances in Guanzhong Plain, China: Emission factors, source profiles, and effects on regional air quality. Environment International, 2019, 133, 105252.	4.8	41
286	Late Neogene loess deposition in southern Tarim Basin: tectonic and palaeoenvironmental implications. Tectonophysics, 2003, 375, 49-59.	0.9	40
287	Effects of Grazing on Ecosystem CO2 Exchange in a Meadow Grassland on the Tibetan Plateau During the Growing Season. Environmental Management, 2015, 55, 347-359.	1.2	40
288	Estimation of residential fine particulate matter infiltration in Shanghai, China. Environmental Pollution, 2018, 233, 494-500.	3.7	40

#	Article	IF	Citations
289	Current Status, Characteristics and Causes of Particulate Air Pollution in the Fenwei Plain, China: A Review. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD034472.	1.2	40
290	Atmospheric Cu and Pb Deposition and Transport in Lake Sediments in a Remote Mountain Area, Northern China. Water, Air, and Soil Pollution, 2007, 179, 167-181.	1.1	39
291	Mineralogical characteristics of soil dust from source regions in northern China. Particuology, 2009, 7, 507-512.	2.0	39
292	Dayâ€“night differences and seasonal variations of chemical species in PM10 over Xiâ€™an, northwest China. Environmental Science and Pollution Research, 2014, 21, 3697-3705.	2.7	39
293	Constraining black carbon aerosol over Asia using OMI aerosol absorption optical depth and the adjoint of GEOS-Chem. Atmospheric Chemistry and Physics, 2015, 15, 10281-10308.	1.9	39
294	Methanol Extracted Brown Carbon in PM2.5 Over Xiâ€™an, China: Seasonal Variation of Optical Properties and Sources Identification. Aerosol Science and Engineering, 2017, 1, 57-65.	1.1	39
295	Characterization of isoprene-derived secondary organic aerosols at a rural site in North China Plain with implications for anthropogenic pollution effects. Scientific Reports, 2018, 8, 535.	1.6	39
296	Wintertime nitrate formation during haze days in the Guanzhong basin, China: A case study. Environmental Pollution, 2018, 243, 1057-1067.	3.7	39
297	Long-range Transboundary Atmospheric Transport of Polycyclic Aromatic Hydrocarbons, Carbonaceous Compositions, and Water-soluble Ionic Species in Southern Thailand. Aerosol and Air Quality Research, 2020, 20, 1591-1606.	0.9	39
298	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
299	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
300	Characterization and health risk assessment of airborne pollutants in commercial restaurants in northwestern China: Under a low ventilation condition in wintertime. Science of the Total Environment, 2018, 633, 308-316.	3.9	38
301	Effect of biomass burning on black carbon (BC) in South Asia and Tibetan Plateau: The analysis of WRF-Chem modeling. Science of the Total Environment, 2018, 645, 901-912.	3.9	38
302	Characteristics and sources of hourly elements in PM10 and PM2.5 during wintertime in Beijing. Environmental Pollution, 2021, 278, 116865.	3.7	38
303	High Selectivity of Visible-Light-Driven La-doped TiO2 Photocatalysts for NO Removal. Aerosol and Air Quality Research, 2017, 17, 2555-2565.	0.9	38
304	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
305	Concentrations, particle-size distributions, and indoor/outdoor differences of polycyclic aromatic hydrocarbons (PAHs) in a middle school classroom in Xiâ€™an, China. Environmental Geochemistry and Health, 2015, 37, 861-873.	1.8	37
306	Characterization, mixing state, and evolution of urban single particles in Xi'an (China) during wintertime haze days. Science of the Total Environment, 2016, 573, 937-945.	3.9	37

#	Article	IF	Citations
307	Selected water-soluble organic compounds found in size-resolved aerosols collected from urban, mountain and marine atmospheres over East Asia. Tellus, Series B: Chemical and Physical Meteorology, 2022, 63, 371.	0.8	36
308	Observation of atmospheric aerosols at Mt. Hua and Mt. Tai in central and east China during spring 2009 â€“ Part 2: Impact of dust storm on organic aerosol composition and size distribution. Atmospheric Chemistry and Physics, 2012, 12, 4065-4080.	1.9	36
309	Determination of alkylamines in atmospheric aerosol particles: a comparison of gas chromatographyâ€“mass spectrometry and ion chromatography approaches. Atmospheric Measurement Techniques, 2014, 7, 2027-2035.	1.2	36
310	Black carbon aerosol and its radiative impact at a highâ€altitude remote site on the southeastern Tibet Plateau. Journal of Geophysical Research D: Atmospheres, 2017, 122, 5515-5530.	1.2	36
311	Source, health risk and composition impact of outdoor very fine particles (VFPs) to school indoor environment in Xi'an, Northwestern China. Science of the Total Environment, 2018, 612, 238-246.	3.9	36
312	Active Complexes on Engineered Crystal Facets of MnO_xâ€“CeO₂ and Scale-Up Demonstration on an Air Cleaner for Indoor Formaldehyde Removal. Environmental Science & Technology, 2019, 53, 10906-10916.	4.6	36
313	Volatile organic compounds from residential solid fuel burning in Guanzhong Plain, China: Source-related profiles and risks. Chemosphere, 2019, 221, 184-192.	4.2	36
314	Emission reduction effect on PM2.5, SO2 and NOx by using red mud as additive in clean coal briquetting. Atmospheric Environment, 2020, 223, 117203.	1.9	36
315	Asian inland wildfires driven by glacialâ€interglacial climate change. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 5184-5189.	3.3	36
316	Improved photocatalytic activity of BaTiO3/La2Ti2O7 heterojunction composites via piezoelectric-enhanced charge transfer. Applied Surface Science, 2021, 570, 151146.	3.1	36
317	Characterization of winter airborne particles at Emperor Qin's Terra-cotta Museum, China. Science of the Total Environment, 2009, 407, 5319-5327.	3.9	35
318	Organic carbon and elemental carbon associated with PM10 in Beijing during spring time. Journal of Hazardous Materials, 2009, 172, 970-977.	6.5	35
319	Assessing human exposure to PM 10 -bound polycyclic aromatic hydrocarbons during fireworks displays. Atmospheric Pollution Research, 2017, 8, 816-827.	1.8	35
320	Variation in Day-of-Week and Seasonal Concentrations of Atmospheric PM2.5-Bound Metals and Associated Health Risks in Bangkok, Thailand. Archives of Environmental Contamination and Toxicology, 2017, 72, 364-379.	2.1	35
321	Effects of photochemical oxidation on the mixing state and light absorption of black carbon in the urban atmosphere of China. Environmental Research Letters, 2017, 12, 044012.	2.2	35
322	Source characterization of urban particles from meat smoking activities in Chongqing, China using single particle aerosol mass spectrometry. Environmental Pollution, 2017, 228, 92-101.	3.7	35
323	Parent, alkylated, oxygenated and nitro polycyclic aromatic hydrocarbons from raw coal chunks and clean coal combustion: Emission factors, source profiles, and health risks. Science of the Total Environment, 2020, 721, 137696.	3.9	35
324	Transformation of amorphous Bi2O3 to crystal Bi2O2CO3 on Bi nanospheres surface for photocatalytic NOx oxidation: Intensified hot-electron transfer and reactive oxygen species generation. Chemical Engineering Journal, 2021, 420, 129814.	6.6	35

#	Article	IF	Citations
325	The Indoor and Outdoor Carbonaceous Pollution during Winter and Summer in Rural Areas of Shaanxi, China. Aerosol and Air Quality Research, 2010, 10, 550-558.	0.9	35
326	Spatial distributions and sequestrations of organic carbon and black carbon in soils from the Chinese loess plateau. Science of the Total Environment, 2013, 465, 255-266.	3.9	34
327	Comparison and implications of PM2.5 carbon fractions in different environments. Science of the Total Environment, 2014, 466-467, 203-209.	3.9	34
328	Insight into the Photocatalytic Removal of NO in Air over Nanocrystalline Bi₂Sn₂O₇ under Simulated Solar Light. Industrial & Engineering Chemistry Research, 2016, 55, 10609-10617.	1.8	34
329	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
330	Molecular characteristics and stable carbon isotope compositions of dicarboxylic acids and related compounds in the urban atmosphere of the North China Plain: Implications for aqueous phase formation of SOA during the haze periods. Science of the Total Environment, 2020, 705, 135256.	3.9	34
331	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
332	Effects of Aerosol Water Content on the formation of secondary inorganic aerosol during a Winter Heavy PM2.5 Pollution Episode in Xi'an, China. Atmospheric Environment, 2021, 252, 118304.	1.9	34
333	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
334	Seasonal variation and four-year trend of black carbon in the Mid-west China: The analysis of the ambient measurement and WRF-Chem modeling. Atmospheric Environment, 2015, 123, 430-439.	1.9	33
335	Changes in concentration, composition and source contribution of atmospheric organic aerosols by shifting coal to natural gas in Urumqi. Atmospheric Environment, 2017, 148, 306-315.	1.9	33
336	Effects of Agricultural Waste Burning on PM2.5-Bound Polycyclic Aromatic Hydrocarbons, Carbonaceous Compositions, and Water-Soluble Ionic Species in the Ambient Air of Chiang-Mai, Thailand. Polycyclic Aromatic Compounds, 2022, 42, 749-770.	1.4	33
337	Long-Term Trends in Visibility and at Chengdu, China. PLoS ONE, 2013, 8, e68894.	1.1	32
338	Observational evidence of cloud processes contributing to daytime elevated nitrate in an urban atmosphere. Atmospheric Environment, 2018, 186, 209-215.	1.9	32
339	Visible-Light-Driven Nitrogen-Doped Carbon Quantum Dots/CaTiO₃ Composite Catalyst with Enhanced NO Adsorption for NO Removal. Industrial & Engineering Chemistry Research, 2018, 57, 10226-10233.	1.8	32
340	Distribution of airborne SARS-CoV-2 and possible aerosol transmission in Wuhan hospitals, China. National Science Review, 2020, 7, 1865-1867.	4.6	32
341	Characterizations of PM2.5-bound organic compounds and associated potential cancer risks on cooking emissions from dominated types of commercial restaurants in northwestern China. Chemosphere, 2020, 261, 127758.	4.2	32
342	Distribution and ecotoxicological significance of trace element contamination in a â¼150 yr record of sediments in Lake Chaohu, Eastern China. Journal of Environmental Monitoring, 2011, 13, 743.	2.1	31

#	Article	IF	Citations
343	Particle size distribution and air pollution patterns in three urban environments in Xiâ€™an, China. Environmental Geochemistry and Health, 2015, 37, 801-812.	1.8	31
344	Impacts of mountains on black carbon aerosol under different synoptic meteorology conditions in the Guanzhong region, China. Atmospheric Research, 2015, 164-165, 286-296.	1.8	31
345	Size distribution and mixing state of refractory black carbon aerosol from a coastal city in South China. Atmospheric Research, 2016, 181, 163-171.	1.8	31
346	Influences of relative humidities and temperatures on the collection of C2-C5 aliphatic hydrocarbons with multi-bed (Tenax TA, Carbograph 1TD, Carboxen 1003) sorbent tube method. Atmospheric Environment, 2017, 151, 45-51.	1.9	31
347	Hazard Quotients, Hazard Indexes, and Cancer Risks of Toxic Metals in PM10 during Firework Displays. Atmosphere, 2018, 9, 144.	1.0	31
348	Personal exposure to PM2.5-bound organic species from domestic solid fuel combustion in rural Guanzhong Basin, China: Characteristics and health implication. Chemosphere, 2019, 227, 53-62.	4.2	31
349	Predominance of secondary organic aerosol to particle-bound reactive oxygen species activity in fine ambient aerosol. Atmospheric Chemistry and Physics, 2019, 19, 14703-14720.	1.9	31
350	Estimation of personal exposure to fine particles (PM2.5) of ambient origin for healthy adults in Hong Kong. Science of the Total Environment, 2019, 654, 514-524.	3.9	31
351	Brown Carbon in Primary and Aged Coal Combustion Emission. Environmental Science & Technology, 2021, 55, 5701-5710.	4.6	31
352	Chemical Composition of Indoor and Outdoor Atmospheric Particles at Emperor Qin's Terra-cotta Museum, Xiâ€™an, China. Aerosol and Air Quality Research, 2011, 11, 70-79.	0.9	31
353	The Chinese Carbon-Neutral Goal: Challenges and Prospects. Advances in Atmospheric Sciences, 2022, 39, 1229-1238.	1.9	31
354	Soilâ€derived sulfate in atmospheric dust particles at Taklimakan desert. Geophysical Research Letters, 2012, 39, .	1.5	30
355	Seasonal variations of monocarbonyl and dicarbonyl in urban and sub-urban sites of Xiâ€™an, China. Environmental Monitoring and Assessment, 2014, 186, 2835-2849.	1.3	30
356	Retrieving historical ambient PM2.5 concentrations using existing visibility measurements in Xi'an, Northwest China. Atmospheric Environment, 2016, 126, 15-20.	1.9	30
357	Characterization of Gas-Phase Organics Using Proton Transfer Reaction Time-of-Flight Mass Spectrometry: Residential Coal Combustion. Environmental Science & Technology, 2018, 52, 2612-2617.	4.6	30
358	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
359	Mercury stable isotope compositions of Chinese urban fine particulates in winter haze days: Implications for Hg sources and transformations. Chemical Geology, 2019, 504, 267-275.	1.4	30
360	The Roles of N, S, and O in Molecular Absorption Features of Brown Carbon in PM_{2.5} in a Typical Semiâ€Arid Megacity in Northwestern China. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD034791.	1.2	30

#	Article	IF	Citations
361	The chemical composition and toxicological effects of fine particulate matter (PM2.5) emitted from different cooking styles. Environmental Pollution, 2021, 288, 117754.	3.7	30
362	Experimental and numerical studies for applying hybrid solar chimney and photovoltaic system to the solar-assisted air cleaning system. Applied Energy, 2020, 269, 115150.	5.1	30
363	Composition of indoor aerosols at emperor qin's terra-cotta museum, xi'an, china, during summer, 2004. Particuology: Science and Technology of Particles, 2005, 3, 170-175.	0.4	29
364	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
365	Methionine oxidation in albumin by fine haze particulate matter: An in vitro and in vivo study. Journal of Hazardous Materials, 2014, 274, 384-391.	6.5	29
366	PM_{2.5} Source Apportionment Using a Hybrid Environmental Receptor Model. Environmental Science & Technology, 2018, 52, 6357-6369.	4.6	29
367	Widespread air pollutants of the North China Plain during the Asian summer monsoon season: a case study. Atmospheric Chemistry and Physics, 2018, 18, 8491-8504.	1.9	29
368	A Review of Aerosol Chemical Composition and Sources in Representative Regions of China during Wintertime. Atmosphere, 2019, 10, 277.	1.0	29
369	Cytotoxicity of PM2.5 vehicular emissions in the Shing Mun Tunnel, Hong Kong. Environmental Pollution, 2020, 263, 114386.	3.7	29
370	Characteristics of indoor and personal exposure to particulate organic compounds emitted from domestic solid fuel combustion in rural areas of northwest China. Atmospheric Research, 2021, 248, 105181.	1.8	29
371	Volatile Organic Compounds in Roadside Environment of Hong Kong. Aerosol and Air Quality Research, 2013, 13, 1331-1347.	0.9	29
372	Characteristics of clay minerals in asian dust and their environmental significance. Particuology: Science and Technology of Particles, 2005, 3, 260-264.	0.4	28
373	Mass concentration and mineralogical characteristics of aerosol particles collected at Dunhuang during ACE-Asia. Advances in Atmospheric Sciences, 2006, 23, 291-298.	1.9	28
374	Indoor air pollutant exposure and determinant factors controlling household air quality for elderly people in Hong Kong. Air Quality, Atmosphere and Health, 2018, 11, 695-704.	1.5	28
375	Characterization of particulate-bound polycyclic aromatic compounds (PACs) and their oxidations in heavy polluted atmosphere: A case study in urban Beijing, China during haze events. Science of the Total Environment, 2019, 660, 1392-1402.	3.9	28
376	Holocene chemical weathering and climatic oscillations in north China: evidence from lacustrine sediments. Boreas, 2004, 33, 260-266.	1.2	27
377	Airborne particulate organics at the summit (2060m, a.s.l.) of Mt. Hua in central China during winter: Implications for biofuel and coal combustion. Atmospheric Research, 2012, 106, 108-119.	1.8	27
378	Variability of SO2 in an intensive fog in North China Plain: Evidence of high solubility of SO2. Particuology, 2013, 11, 41-47.	2.0	27

#	Article	IF	Citations
379	Personal exposure to PM_{2.5} emitted from typical anthropogenic sources in southern West Africa: chemical characteristics and associated health risks. Atmospheric Chemistry and Physics, 2019, 19, 6637-6657.	1.9	27
380	PM2.5 Humic-like substances over Xi'an, China: Optical properties, chemical functional group, and source identification. Atmospheric Research, 2020, 234, 104784.	1.8	27
381	Molecular Absorption and Evolution Mechanisms of PM_{2.5} Brown Carbon Revealed by Electrospray Ionization Fourier Transformâ€“Ion Cyclotron Resonance Mass Spectrometry During a Severe Winter Pollution Episode in Xi'an, China. Geophysical Research Letters, 2020, 47, e2020GL087977.	1.5	27
382	Light absorption properties and molecular profiles of HULIS in PM2.5 emitted from biomass burning in traditional â€œHeated Kangâ€•in Northwest China. Science of the Total Environment, 2021, 776, 146014.	3.9	27
383	PM2.5-Bound Polycyclic Aromatic Hydrocarbons (PAHs), Oxygenated-PAHs and Phthalate Esters (PAEs) inside and outside Middle School Classrooms in Xiâ€™an, China: Concentration, Characteristics and Health Risk Assessment. Aerosol and Air Quality Research, 2017, 17, 1811-1824.	0.9	27
384	Characteristics and Source Identification of Polycyclic Aromatic Hydrocarbons and n-Alkanes in PM2.5 in Xiamen. Aerosol and Air Quality Research, 2018, 18, 1673-1683.	0.9	27
385	Urban-scale SALSCS, Part I: Experimental Evaluation and Numerical Modeling of a Demonstration Unit. Aerosol and Air Quality Research, 2018, 18, 2865-2878.	0.9	27
386	Characterization of Dust Storms to Hong Kong in April 1998. Water, Air and Soil Pollution, 2003, 3, 213-229.	0.8	26
387	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
388	Indoor secondary organic aerosols formation from ozonolysis of monoterpene: An example of d-limonene with ammonia and potential impacts on pulmonary inflammations. Science of the Total Environment, 2017, 579, 212-220.	3.9	26
389	A 10-year observation of PM2.5-bound nickel in Xiâ€™an, China: Effects of source control on its trend and associated health risks. Scientific Reports, 2017, 7, 41132.	1.6	26
390	Stable carbon isotopes and levoglucosan for PM2.5 elemental carbon source apportionments in the largest city of Northwest China. Atmospheric Environment, 2018, 185, 253-261.	1.9	26
391	Characterization of the chemical components and bioreactivity of fine particulate matter produced during crop-residue burning in China. Environmental Pollution, 2019, 245, 226-234.	3.7	26
392	Chemical nature and sources of fine particles in urban Beijing: Seasonality and formation mechanisms. Environment International, 2020, 140, 105732.	4.8	26
393	Indoor, outdoor, and personal exposure to PM2.5 and their bioreactivity among healthy residents of Hong Kong. Environmental Research, 2020, 188, 109780.	3.7	26
394	Characteristics and toxicological effects of commuter exposure to black carbon and metal components of fine particles (PM2.5) in Hong Kong. Science of the Total Environment, 2020, 742, 140501.	3.9	26
395	Effects of NH3 and alkaline metals on the formation of particulate sulfate and nitrate in wintertime Beijing. Science of the Total Environment, 2020, 717, 137190.	3.9	26
396	A comprehensive study on ozone pollution in a megacity in North China Plain during summertime: Observations, source attributions and ozone sensitivity. Environment International, 2021, 146, 106279.	4.8	26

#	Article	IF	Citations
397	Gaseous, PM_{2.5} mass, and speciated emission factors from laboratory chamber peat combustion. Atmospheric Chemistry and Physics, 2019, 19, 14173-14193.	1.9	26
398	Elemental composition of aerosols in Daihai, a rural area in the front boundary of the summer Asian monsoon. Atmospheric Research, 2009, 92, 229-235.	1.8	25
399	Molecular distribution and seasonal variation of hydrocarbons in PM2.5 from Beijing during 2006. Particuology, 2013, 11, 78-85.	2.0	25
400	Chemical composition of PM2.5 at a highâ€“altitude regional background site over Northeast of Tibet Plateau. Atmospheric Pollution Research, 2015, 6, 815-823.	1.8	25
401	Risk Assessment of Indoor Formaldehyde and Other Carbonyls in Campus Environments in Northwestern China. Aerosol and Air Quality Research, 2016, 16, 1967-1980.	0.9	25
402	The rural carbonaceous aerosols in coarse, fine, and ultrafine particles during haze pollution in northwestern China. Environmental Science and Pollution Research, 2016, 23, 4569-4575.	2.7	25
403	Comparisons of Formation Characteristics of NO_x Precursors during Pyrolysis of Lignocellulosic Industrial Biomass Wastes. Energy & Fuels, 2017, 31, 9557-9567.	2.5	25
404	High time resolution observation of PM2.5 Brown carbon over Xi'an in northwestern China: Seasonal variation and source apportionment. Chemosphere, 2019, 237, 124530.	4.2	25
405	Characterization of polycyclic aromatic hydrocarbon (PAHs) source profiles in urban PM2.5 fugitive dust: A large-scale study for 20 Chinese cites. Science of the Total Environment, 2019, 687, 188-197.	3.9	25
406	Daily CO2 Emission Reduction Indicates the Control of Activities to Contain COVID-19 in China. Innovation(China), 2020, 1, 100062.	5.2	25
407	Characteristics of Organic and Elemental Carbon in PM2.5 and PM0.25 in Indoor and Outdoor Environments of a Middle School: Secondary Formation of Organic Carbon and Sources Identification. Atmosphere, 2015, 6, 361-379.	1.0	24
408	Controllable synthesis of phosphate-modified BiPO₄ nanorods with high photocatalytic activity: surface hydroxyl groups concentrations effects. RSC Advances, 2015, 5, 99712-99721.	1.7	24
409	Impacts of meteorological parameters and emissions on decadal and interannual variations of black carbon in China for 1980â€“2010. Journal of Geophysical Research D: Atmospheres, 2016, 121, 1822-1843.	1.2	24
410	Characteristics and source apportionment of winter black carbon aerosols in two Chinese megacities of Xiâ€™an and Hong Kong. Environmental Science and Pollution Research, 2018, 25, 33783-33793.	2.7	24
411	Contributions of local pollution emissions to particle bioreactivity in downwind cities in China during Asian dust periods. Environmental Pollution, 2019, 245, 675-683.	3.7	24
412	Vapor isotopic evidence for the worsening of winter air quality by anthropogenic combustion-derived water. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 33005-33010.	3.3	24
413	Relationships between Outdoor and Personal Exposure of Carbonaceous Species and Polycyclic Aromatic Hydrocarbons (PAHs) in Fine Particulate Matter (PM2.5) at Hong Kong. Aerosol and Air Quality Research, 2017, 17, 666-679.	0.9	24
414	Estimation of Gas-particle partitioning Coefficients (K_p) of Carcinogenic polycyclic Aromatic hydrocarbons in Carbonaceous Aerosols Collected at Chiang - Mai, Bangkok and hat-Yai, Thailand. Asian Pacific Journal of Cancer Prevention, 2013, 14, 2461-2476.	0.5	24

#	Article	IF	Citations
415	Seasonal and diurnal variation of PM2.5 HULIS over Xi'an in Northwest China: Optical properties, chemical functional group, and relationship with reactive oxygen species (ROS). Atmospheric Environment, 2022, 268, 118782.	1.9	24
416	Sulfate Formation Apportionment during Winter Haze Events in North China. Environmental Science & Technology, 2022, 56, 7771-7778.	4.6	24
417	Indoor air quality at five site museums of Yangtze River civilization. Atmospheric Environment, 2015, 123, 449-454.	1.9	23
418	Biomass burning tracers in rural and urban ultrafine particles in Xi'an, China. Atmospheric Pollution Research, 2017, 8, 614-618.	1.8	23
419	Aerosol effects on the development of cumulus clouds over the Tibetan Plateau. Atmospheric Chemistry and Physics, 2017, 17, 7423-7434.	1.9	23
420	Post Plasma Catalysis for the Removal of Acetaldehyde Using Mnâ€“Co/HZSM-5 Catalysts. Industrial & Engineering Chemistry Research, 2019, 58, 14719-14728.	1.8	23
421	Mechanistic and kinetics investigations of oligomer formation from Criegee intermediate reactions with hydroxyalkyl hydroperoxides. Atmospheric Chemistry and Physics, 2019, 19, 4075-4091.	1.9	23
422	Chemical characteristics of airborne particles in Xi'an, inland China during dust storm episodes: Implications for heterogeneous formation of ammonium nitrate and enhancement of N-deposition. Environmental Pollution, 2019, 244, 877-884.	3.7	23
423	gâ€‹₃N₄/TiO₂ Composite Film in the Fabrication of a Photocatalytic Airâ€Purifying Pavements. Solar Rrl, 2020, 4, 2000170.	3.1	23
424	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
425	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
426	Self-supporting smart air filters based on PZT/PVDF electrospun nanofiber composite membrane. Chemical Engineering Journal, 2021, 423, 130247.	6.6	23
427	Chemical composition of rainwater at Lijiang on the Southeast Tibetan Plateau: influences from various air mass sources. Journal of Atmospheric Chemistry, 2014, 71, 157-174.	1.4	22
428	The optical properties of urban aerosol in northern China: A case study at Xi'an. Atmospheric Research, 2015, 160, 59-67.	1.8	22
429	Urban dust in the Guanzhong basin of China, part II: A case study of urban dust pollution using the WRF-Dust model. Science of the Total Environment, 2016, 541, 1614-1624.	3.9	22
430	Urban dust in the Guanzhong Basin of China, part I: A regional distribution of dust sources retrieved using satellite data. Science of the Total Environment, 2016, 541, 1603-1613.	3.9	22
431	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
432	Characterizing the composition and evolution of and urban particles in Chongqing (China) during summertime. Atmospheric Research, 2017, 187, 84-94.	1.8	22

#	Article	IF	Citations
433	Cancer risk from gaseous carbonyl compounds in indoor environment generated from household coal combustion in Xuanwei, China. Environmental Science and Pollution Research, 2017, 24, 17500-17510.	2.7	22
434	Enhanced light absorption due to the mixing state of black carbon in fresh biomass burning emissions. Atmospheric Environment, 2018, 180, 184-191.	1.9	22
435	Optimization and evaluation of multi-bed adsorbent tube method in collection of volatile organic compounds. Atmospheric Research, 2018, 202, 187-195.	1.8	22
436	Does afforestation deteriorate haze pollution in Beijingâ€“Tianjinâ€“Hebei (BTH), China?. Atmospheric Chemistry and Physics, 2018, 18, 10869-10879.	1.9	22
437	Effects of organic coating on the nitrate formation by suppressing the N₂O₅ heterogeneous hydrolysis: a case study during wintertime in Beijingâ€“Tianjinâ€“Hebei (BTH). Atmospheric Chemistry and Physics, 2019, 19, 8189-8207.	1.9	22
438	Bioaerosol Concentrations and Size Distributions during the Autumn and Winter Seasons in an Industrial City of Central China. Aerosol and Air Quality Research, 2019, 19, 1095-1104.	0.9	22
439	Exploring the photocatalytic conversion mechanism of gaseous formaldehyde degradation on TiO2â€“OV surface. Journal of Hazardous Materials, 2022, 424, 127217.	6.5	22
440	Positive sampling artifacts of organic carbon fractions for fine particles and nanoparticles in a tunnel environment. Atmospheric Environment, 2012, 54, 225-230.	1.9	21
441	Competition between HO₂ and H₂O₂ Reactions with CH₂OO/anti-CH₃CHOO in the Oligomer Formation: A Theoretical Perspective. Journal of Physical Chemistry A, 2017, 121, 6981-6991.	1.1	21
442	Unraveling the mechanisms of room-temperature catalytic degradation of indoor formaldehyde and its biocompatibility on colloidal TiO₂-supported MnO_xâ€“CeO₂. Environmental Science: Nano, 2018, 5, 1130-1139.	2.2	21
443	Source identification of polycyclic aromatic hydrocarbons in terrestrial soils in Chile. Journal of South American Earth Sciences, 2020, 99, 102514.	0.6	21
444	Chemical source profiles of particulate matter and gases emitted from solid fuels for residential cooking and heating scenarios in Qinghai-Tibetan Plateau. Environmental Pollution, 2021, 285, 117503.	3.7	21
445	Evaluation of Indoor Air Pollution during Decorating Process and Inhalation Health Risks in Xiâ€™an, China: A Case Study. Aerosol and Air Quality Research, 2019, 19, 854-864.	0.9	21
446	Optical source apportionment and radiative effect of light-absorbing carbonaceous aerosols in a tropical marine monsoon climate zone: the importance of ship emissions. Atmospheric Chemistry and Physics, 2020, 20, 15537-15549.	1.9	21
447	Chemical Characterisation of Organic Functional Group Compositions in PM_{2.5}Collected at Nine Administrative Provinces in Northern Thailand during the Haze Episode in 2013. Asian Pacific Journal of Cancer Prevention, 2013, 14, 3653-3661.	0.5	21
448	Elemental compositions of PM2.5 and TSP in Lijiang, southeastern edge of Tibetan Plateau during pre-monsoon period. Particuology, 2013, 11, 63-69.	2.0	20
449	Real-time measurements of PM2.5, PM10â€“2.5, and BC in an urban street canyon. Particuology, 2015, 20, 134-140.	2.0	20
450	Elemental distribution in the topsoil of the Lake Qinghai catchment, NE Tibetan Plateau, and the implications for weathering in semi-arid areas. Journal of Geochemical Exploration, 2015, 152, 1-9.	1.5	20

#	Article	IF	Citations
451	Limited production of sulfate and nitrate on front-associated dust storm particles moving from desert to distant populated areas in northwestern China. Atmospheric Chemistry and Physics, 2017, 17, 14473-14484.	1.9	20
452	Characterization of chemical components and cytotoxicity effects of indoor and outdoor fine particulate matter (PM2.5) in Xiâ€™an, China. Environmental Science and Pollution Research, 2019, 26, 31913-31923.	2.7	20
453	Ozone enhancement due to the photodissociation of nitrous acid in eastern China. Atmospheric Chemistry and Physics, 2019, 19, 11267-11278.	1.9	20
454	Effects of stabilized Criegee intermediates (sCIs) on sulfate formation: a sensitivity analysis during summertime in Beijingâ€“Tianjinâ€“Hebei (BTH), China. Atmospheric Chemistry and Physics, 2019, 19, 13341-13354.	1.9	20
455	PM2.5 source profiles from typical Chinese commercial cooking activities in northern China and its influences on bioreactivity of vascular smooth muscle cells (VSMCs). Atmospheric Environment, 2020, 239, 117750.	1.9	20
456	Comprehensive characterization and health assessment of occupational exposures to volatile organic compounds (VOCs) in Xi'an, a major city of northwestern China. Atmospheric Environment, 2021, 246, 118085.	1.9	20
457	Quantification of solid fuel combustion and aqueous chemistry contributions to secondary organic aerosol during wintertime haze events in Beijing. Atmospheric Chemistry and Physics, 2021, 21, 9859-9886.	1.9	20
458	Revealing DeNOx and DeVOC Reactions via the Study of the Surface and Bandstructure of ZnSn(OH)6 Photocatalysts. Acta Materialia, 2021, 215, 117068.	3.8	20
459	Polycyclic aromatic compounds (PAHs, oxygenated PAHs, nitrated PAHs, and azaarenes) in air from four climate zones of China: Occurrence, gas/particle partitioning, and health risks. Science of the Total Environment, 2021, 786, 147234.	3.9	20
460	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
461	Explorations of tire and road wear microplastics in road dust PM2.5 at eight megacities in China. Science of the Total Environment, 2022, 823, 153717.	3.9	20
462	Characteristics of surface O3 over Qinghai Lake area in Northeast Tibetan Plateau, China. Science of the Total Environment, 2014, 500-501, 295-301.	3.9	19
463	Characterization of Polycyclic Aromatic Hydrocarbons (PAHs), Iron and Black Carbon within Street Dust from a Steel Industrial City, Central China. Aerosol and Air Quality Research, 2016, 16, 2452-2461.	0.9	19
464	The Importance of Aerosols in the Earth System: Science and Engineering Perspectives. Aerosol Science and Engineering, 2017, 1, 1-6.	1.1	19
465	Divergent responses of ecosystem respiration components to livestock exclusion on the Qinghai Tibetan Plateau. Land Degradation and Development, 2018, 29, 1726-1737.	1.8	19
466	Characterization of carbonaceous fractions in PM2.5 and PM10 over a typical industrial city in central China. Environmental Science and Pollution Research, 2019, 26, 16855-16867.	2.7	19
467	The mechanism of room temperature catalytic Câ€“H dissociation and oxygenation of formaldehyde over nano-zirconia phase-junction. Chemical Engineering Journal, 2020, 380, 122498.	6.6	19
468	Cytotoxicity and Potential Pathway to Vascular Smooth Muscle Cells Induced by PM_{2.5} Emitted from Raw Coal Chunks and Clean Coal Combustion. Environmental Science & Technology, 2020, 54, 14482-14493.	4.6	19

#	Article	IF	Citations
469	Estimating Absorption Ã…ngstrÃ¶m Exponent of Black Carbon Aerosol by Coupling Multiwavelength Absorption with Chemical Composition. Environmental Science and Technology Letters, 2021, 8, 121-127.	3.9	19
470	Brownness of Organic Aerosol over the United States: Evidence for Seasonal Biomass Burning and Photobleaching Effects. Environmental Science & Technology, 2021, 55, 8561-8572.	4.6	19
471	Highly time-resolved measurements of element concentrations in PM₁₀ and PM_{2.5}: comparison of Delhi, Beijing, London, and Krakow. Atmospheric Chemistry and Physics, 2021, 21, 717-730.	1.9	19
472	Characteristics and Sources of Black Carbon in Atmospheric Dustfall Particles from Huangshi, China. Aerosol and Air Quality Research, 2016, 16, 2096-2106.	0.9	19
473	Constructing Pd/ferroelectric Bi4Ti3O12 nanoflake interfaces for O2 activation and boosting NO photo-oxidation. Applied Catalysis B: Environmental, 2022, 302, 120876.	10.8	19
474	Distribution of carbonaceous aerosol during spring 2005 over the horqin sandland in northeastern china. Particuology: Science and Technology of Particles, 2006, 4, 316-322.	0.4	18
475	Size-Differentiated Chemical Characteristics of Asian Paleo Dust: Records from Aeolian Deposition on Chinese Loess Plateau. Journal of the Air and Waste Management Association, 2011, 61, 180-189.	0.9	18
476	Hazardous airborne carbonyls emissions in industrial workplaces in China. Journal of the Air and Waste Management Association, 2013, 63, 864-877.	0.9	18
477	An analytical solution for the population balance equation using a moment method. Particuology, 2015, 18, 194-200.	2.0	18
478	Effects of non-protein-type amino acids of fine particulate matter on E-cadherin and inflammatory responses in mice. Toxicology Letters, 2015, 237, 174-180.	0.4	18
479	Azaarenes in fine particulate matter from the atmosphere of a Chinese megacity. Environmental Science and Pollution Research, 2016, 23, 16025-16036.	2.7	18
480	A two-dimensional simulation method of the solar chimney power plant with a new radiation model for the collector. International Communications in Heat and Mass Transfer, 2017, 85, 100-106.	2.9	18
481	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
482	Light absorption of brown carbon in PM2.5 in the Three Gorges Reservoir region, southwestern China: Implications of biomass burning and secondary formation. Atmospheric Environment, 2020, 229, 117409.	1.9	18
483	Highly Selective Photocatalytic CO₂ Methanation with Water Vapor on Singleâ€Atom Platinumâ€Decorated Defective Carbon Nitride. Angewandte Chemie, 2022, 134, .	1.6	18
484	Effect of Quaternary climatic change on modern hydrological systems in the southern Chinese Loess Plateau. Environmental Earth Sciences, 2015, 73, 1161-1167.	1.3	17
485	Seasonal variation and health risk assessment of atmospheric PM2.5-bound polycyclic aromatic hydrocarbons in a classic agglomeration industrial city, central China. Air Quality, Atmosphere and Health, 2018, 11, 683-694.	1.5	17
486	Day-Night Differences, Seasonal Variations and Source Apportionment of PM10-Bound PAHs over Xiâ€™an, Northwest China. Atmosphere, 2018, 9, 62.	1.0	17

#	Article	IF	Citations
487	Quantification of oxygenated polycyclic aromatic hydrocarbons in ambient aerosol samples using in-injection port thermal desorption-gas chromatography/mass spectrometry: Method exploration and validation. International Journal of Mass Spectrometry, 2018, 433, 25-30.	0.7	17
488	Effect of oligomerization reactions of Criegee intermediate with organic acid/peroxy radical on secondary organic aerosol formation from isoprene ozonolysis. Atmospheric Environment, 2018, 187, 218-229.	1.9	17
489	Origin and transformation of ambient volatile organic compounds during a dust-to-haze episode in northwest China. Atmospheric Chemistry and Physics, 2020, 20, 5425-5436.	1.9	17
490	Urban-scale SALSCS, Part II: A Parametric Study of System Performance. Aerosol and Air Quality Research, 2018, 18, 2879-2894.	0.9	17
491	Measurement report: dual-carbon isotopic characterization of carbonaceous aerosol reveals different primary and secondary sources in Beijing and Xi'an during severe haze events. Atmospheric Chemistry and Physics, 2020, 20, 16041-16053.	1.9	17
492	Oxygen vacancy engineering of photocatalytic nanomaterials for enrichment, activation, and efficient removal of nitrogen oxides with high selectivity: a review. Environmental Chemistry Letters, 2022, 20, 3905-3925.	8.3	17
493	Optical properties, chemical functional group, and oxidative activity of different polarity levels of water-soluble organic matter in PM2.5 from biomass and coal combustion in rural areas in Northwest China. Atmospheric Environment, 2022, 283, 119179.	1.9	17
494	Monitoring of atmospheric radionuclides from the Fukushima nuclear accident and assessing their impact on Xiâ€™an, China. Science Bulletin, 2013, 58, 1585-1591.	1.7	16
495	Evaluation of hazardous airborne carbonyls on a university campus in southern China. Journal of the Air and Waste Management Association, 2014, 64, 903-916.	0.9	16
496	Effect of ecological restoration programs on dust concentrations in the North China Plain: a case study. Atmospheric Chemistry and Physics, 2018, 18, 6353-6366.	1.9	16
497	Changes in PM_{2.5} peat combustion source profiles with atmospheric aging in an oxidation flow reactor. Atmospheric Measurement Techniques, 2019, 12, 5475-5501.	1.2	16
498	Characteristics and cytotoxicity of indoor fine particulate matter (PM2.5) and PM2.5-bound polycyclic aromatic hydrocarbons (PAHs) in Hong Kong. Air Quality, Atmosphere and Health, 2019, 12, 1459-1468.	1.5	16
499	A Review of Co3O4-based Catalysts for Formaldehyde Oxidation at Low Temperature: Effect Parameters and Reaction Mechanism. Aerosol Science and Engineering, 2020, 4, 147-168.	1.1	16
500	Measurement report: quantifying source contribution of fossil fuels and biomass-burning black carbon aerosol in the southeastern margin of the Tibetan Plateau. Atmospheric Chemistry and Physics, 2021, 21, 973-987.	1.9	16
501	Insights into particulate matter pollution in the North China Plain during wintertime: local contribution or regional transport?. Atmospheric Chemistry and Physics, 2021, 21, 2229-2249.	1.9	16
502	Predicting the effect of confinement on the COVID-19 spread using machine learning enriched with satellite air pollution observations. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	16
503	Oxidative stressâ€“inducing effects of various urban PM2.5 road dust on human lung epithelial cells among 10 Chinese megacities. Ecotoxicology and Environmental Safety, 2021, 224, 112680.	2.9	16
504	Water-soluble Ions in PM2.5 on the Qianhu Campus of Nanchang University, Nanchang City: Indoor-Outdoor Distribution and Source Implications. Aerosol and Air Quality Research, 2012, 12, 435-443.	0.9	16

#	Article	IF	Citations
505	Technical Note: Concerns on the Use of Ozone Scrubbers for Gaseous Carbonyl Measurement by DNPH-Coated Silica Gel Cartridge. Aerosol and Air Quality Research, 2013, 13, 1151-1160.	0.9	16
506	Seasonal Characteristics of Black Carbon Aerosol and its Potential Source Regions in Baoji, China. Aerosol and Air Quality Research, 2018, 18, 397-406.	0.9	16
507	Differential health and economic impacts from the COVID-19 lockdown between the developed and developing countries: Perspective on air pollution. Environmental Pollution, 2022, 293, 118544.	3.7	16
508	Impacts of Himalayas on black carbon over the Tibetan Plateau during summer monsoon. Science of the Total Environment, 2017, 598, 307-318.	3.9	15
509	Seasonal Transport and Dry Deposition of Black Carbon Aerosol in the Southeastern Tibetan Plateau. Aerosol Science and Engineering, 2017, 1, 160-168.	1.1	15
510	Levels, Sources, Markers and Health Risks of Heavy Metals in PM2.5 Over a Typical Mining and Metallurgical City of Central China. Aerosol Science and Engineering, 2018, 2, 1-10.	1.1	15
511	Mitigation of severe urban haze pollution by a precision air pollution control approach. Scientific Reports, 2018, 8, 8151.	1.6	15
512	Single particle characterization of summertime particles in Xi'an (China). Science of the Total Environment, 2018, 636, 1279-1290.	3.9	15
513	Determination of n-alkanes, polycyclic aromatic hydrocarbons and hopanes in atmospheric aerosol: evaluation and comparison of thermal desorption GC-MS and solvent extraction GC-MS approaches. Atmospheric Measurement Techniques, 2019, 12, 4779-4789.	1.2	15
514	Sources and formation of carbonaceous aerosols in Xi'an, China: primary emissions and secondary formation constrained by radiocarbon. Atmospheric Chemistry and Physics, 2019, 19, 15609-15628.	1.9	15
515	Dicarboxylic acids and related compounds in fine particulate matter aerosols in Huangshi, central China. Journal of the Air and Waste Management Association, 2019, 69, 513-526.	0.9	15
516	Contributions of aerosol composition and sources to particulate optical properties in a southern coastal city of China. Atmospheric Research, 2020, 235, 104744.	1.8	15
517	The characteristics and sources of roadside VOCs in Hong Kong: Effect of the LPG catalytic converter replacement programme. Science of the Total Environment, 2021, 757, 143811.	3.9	15
518	Spatially Resolved Emission Factors to Reduce Uncertainties in Air Pollutant Emission Estimates from the Residential Sector. Environmental Science & Technology, 2021, 55, 4483-4493.	4.6	15
519	Effects of Biomass and Agricultural Waste Burnings on Diurnal Variation and Vertical Distribution of OC/EC in Hat-Yai City, Thailand. Asian Journal of Applied Sciences, 2014, 7, 360-374.	0.4	15
520	Simultaneous Measurements of Surface Ozone at Two Sites over the Southern Asia: A Comparative Study. Aerosol and Air Quality Research, 2011, 11, 895-902.	0.9	15
521	Characterization of Particulate-Phase High Molecular Weight Mono-Carbonyls (C# > 5) and Dicarbonyls in Urban Atmosphere of Xiâ€™an, China. Aerosol and Air Quality Research, 2012, 12, 892-901.	0.9	15
522	Atmospheric deterioration of Qin brick in an environmental chamber at Emperor Qin's Terracotta Museum, China. Journal of Archaeological Science, 2009, 36, 2578-2583.	1.2	14

#	Article	IF	Citations
523	Elemental composition of airborne aerosols at a traffic site and a suburban site in Hong Kong. International Journal of Environment and Pollution, 2009, 36, 166.	0.2	14
524	Geochemistry and environmental assessment of major and trace elements in the surface sediments of the Wei River, China. Journal of Environmental Monitoring, 2012, 14, 2762.	2.1	14
525	Biases in ketone measurements using DNPH-coated solid sorbent cartridges. Analytical Methods, 2014, 6, 967-974.	1.3	14
526	Biomass burning influences determination based on PM 2.5 chemical composition combined with fire counts at southeastern Tibetan Plateau during pre-monsoon period. Atmospheric Research, 2018, 206, 108-116.	1.8	14
527	Quantifying the contributions of local emissions and regional transport to elemental carbon in Thailand. Environmental Pollution, 2020, 262, 114272.	3.7	14
528	High light absorption and radiative forcing contributions of primary brown carbon and black carbon to urban aerosol. Gondwana Research, 2021, 90, 159-164.	3.0	14
529	Formaldehyde Oxidation over Co@N-Doped Carbon at Room Temperature: Tunable Co Size and Intensified Surface Electron Density. ACS ES&T Engineering, 2021, 1, 917-927.	3.7	14
530	Probing the historic thermal and humid environment in a 2000-year-old ancient underground tomb and enlightenment for cultural heritage protection and preventive conservation. Energy and Buildings, 2021, 251, 111388.	3.1	14
531	Size Differentiation of Individual Atmospheric Aerosol during Winter in Xi'an, China. Aerosol and Air Quality Research, 2012, 12, 951-960.	0.9	14
532	Chromophoric dissolved organic carbon cycle and its molecular compositions and optical properties in precipitation in the Guanzhong basin, China. Science of the Total Environment, 2022, 814, 152775.	3.9	14
533	Interfacial dependent reactive oxygen species generation over Pt-ZrO2 nanoparticles for catalytic oxidation of formaldehyde at room temperature. Applied Surface Science, 2022, 600, 154056.	3.1	14
534	PM2.5 Chemical Compositions and Aerosol Optical Properties in Beijing during the Late Fall. Atmosphere, 2015, 6, 164-182.	1.0	13
535	Black Carbon Aerosols at Mt. Muztagh Ata, a High-Altitude Location in the Western Tibetan Plateau. Aerosol and Air Quality Research, 2016, 16, 752-763.	0.9	13
536	Quantifying sources of elemental carbon over the Guanzhong Basin of China: A consistent network of measurements and WRF-Chem modeling. Environmental Pollution, 2016, 214, 86-93.	3.7	13
537	Development of source profiles and their application in source apportionment of PM2.5 in Xiamen, China. Frontiers of Environmental Science and Engineering, 2016, 10, 1.	3.3	13
538	Optical Properties of Aerosols and Implications for Radiative Effects in Beijing During the Asiaâ€Pacific Economic Cooperation Summit 2014. Journal of Geophysical Research D: Atmospheres, 2017, 122, 10,119.	1.2	13
539	Morphologies and elemental compositions of local biomass burning particles at urban and glacier sites in southeastern Tibetan Plateau: Results from an expedition in 2010. Science of the Total Environment, 2018, 628-629, 772-781.	3.9	13
540	The linkages with fires, vegetation composition and human activity in response to climate changes in the Chinese Loess Plateau during the Holocene. Quaternary International, 2018, 488, 18-29.	0.7	13

#	Article	IF	Citations
541	Quantification of nitrated-polycyclic aromatic hydrocarbons in atmospheric aerosol samples with in-injection port thermal desorption-gas chromatography/ negative chemical ionization mass spectrometry method. Atmospheric Environment, 2018, 192, 84-93.	1.9	13
542	Exploring the impact of chemical composition on aerosol light extinction during winter in a heavily polluted urban area of China. Journal of Environmental Management, 2019, 247, 766-775.	3.8	13
543	Source identification of personal exposure to fine particulate matter (PM2.5) among adult residents of Hong Kong. Atmospheric Environment, 2019, 218, 116999.	1.9	13
544	Polycyclic aromatic hydrocarbons in railway stations dust of the mega traffic hub city, central China: Human health risk and relationship with black carbon. Ecotoxicology and Environmental Safety, 2020, 205, 111155.	2.9	13
545	Black carbon and mineral dust on two glaciers on the central Tibetan Plateau: sources and implications. Journal of Glaciology, 2020, 66, 248-258.	1.1	13
546	Plants with lengthened phenophases increase their dominance under warming in an alpine plant community. Science of the Total Environment, 2020, 728, 138891.	3.9	13
547	Post-fire co-stimulation of gross primary production and ecosystem respiration in a meadow grassland on the Tibetan Plateau. Agricultural and Forest Meteorology, 2021, 303, 108388.	1.9	13
548	Ambient Air Purification by Nanotechnologies: From Theory to Application. Catalysts, 2021, 11, 1276.	1.6	13
549	The seasonal variation, characteristics and secondary generation of PM2.5 in Xi'an, China, especially during pollution events. Environmental Research, 2022, 212, 113388.	3.7	13
550	Background-like nitrate in desert air. Atmospheric Environment, 2014, 84, 39-43.	1.9	12
551	Characteristics of Black Carbon Aerosol during the Chinese Lunar Year and Weekdays in Xiâ€™an, China. Atmosphere, 2015, 6, 195-208.	1.0	12
552	Light attenuation cross-section of black carbon in an urban atmosphere in northern China. Particuology, 2015, 18, 89-95.	2.0	12
553	Inhibition of the WNT/Î²-catenin pathway by fine particulate matter in haze: Roles of metals and polycyclic aromatic hydrocarbons. Atmospheric Environment, 2015, 109, 118-129.	1.9	12
554	Observations of high level of ozone at Qinghai Lake basin in the northeastern Qinghai-Tibetan Plateau, western China. Journal of Atmospheric Chemistry, 2015, 72, 19-26.	1.4	12
555	Physiochemical characteristics of indoor PM_{2.5} with combustion of dried yak dung as biofuel in Tibetan Plateau, China. Indoor and Built Environment, 2016, 25, 737-747.	1.5	12
556	Regional transport of anthropogenic pollution and dust aerosols in spring to Tianjin â€" A coastal megacity in China. Science of the Total Environment, 2017, 584-585, 381-392.	3.9	12
557	Characterization and health risk assessment of PM2.5-bound organics inside and outside of Chinese smoking lounges. Chemosphere, 2017, 186, 438-445.	4.2	12
558	Characteristics and Source Analysis of Water-Soluble Inorganic Ions in PM10 in a Typical Mining City, Central China. Atmosphere, 2017, 8, 74.	1.0	12

#	Article	IF	Citations
559	Emission Characteristics of PM2.5 and Trace Gases from Household Wood Burning in Guanzhong Plain, Northwest China. Aerosol Science and Engineering, 2018, 2, 130-140.	1.1	12
560	Variations of Particle Size Distribution, Black Carbon, and Brown Carbon during a Severe Winter Pollution Event over Xiâ€™an, China. Aerosol and Air Quality Research, 2018, 18, 1419-1430.	0.9	12
561	Comparison of cytotoxicity induced by PM2.5-bound polycyclic aromatic compounds from different environments in Xi'an, China. Atmospheric Environment, 2019, 216, 116929.	1.9	12
562	The effects of particle-induced oxidative damage from exposure to airborne fine particulate matter components in the vicinity of landfill sites on Hong Kong. Chemosphere, 2019, 230, 578-586.	4.2	12
563	Characterization of particle size distributions during winter haze episodes in urban air. Atmospheric Research, 2019, 228, 55-67.	1.8	12
564	Evaluation of the Oxidation Flow Reactor for particulate matter emission limit certification. Atmospheric Environment, 2020, 224, 117086.	1.9	12
565	Recycled moisture in an enclosed basin, Guanzhong Basin of Northern China, in the summer: Contribution to precipitation based on a stable isotope approach. Environmental Science and Pollution Research, 2020, 27, 27926-27936.	2.7	12
566	Air Pollution Zone Migrates South Driven by East Asian Winter Monsoon and Climate Change. Geophysical Research Letters, 2021, 48, e2021GL092672.	1.5	12
567	Black Carbon and Secondary Brown Carbon, the Dominant Light Absorption and Direct Radiative Forcing Contributors of the Atmospheric Aerosols Over the Tibetan Plateau. Geophysical Research Letters, 2021, 48, e2021GL092524.	1.5	12
568	Ozone Gas Inhibits SARS-CoV-2 Transmission and Provides Possible Control Measures. Aerosol Science and Engineering, 2021, 5, 516-523.	1.1	12
569	Mixing state of refractory black carbon in fog and haze at rural sites in winter on the North China Plain. Atmospheric Chemistry and Physics, 2021, 21, 17631-17648.	1.9	12
570	Emission characteristics and formation mechanisms of PM2.5 and gases from different geological maturities coals combustion. Fuel, 2022, 315, 123240.	3.4	12
571	Variations of Personal Exposure to Particulate Nitrated Phenols from Heating Energy Renovation in China: The First Assessment on Associated Toxicological Impacts with Particle Size Distributions. Environmental Science & Technology, 2022, 56, 3974-3983.	4.6	12
572	Slower than expected reduction in annual PM2.5 in Xi'an revealed by machine learning-based meteorological normalization. Science of the Total Environment, 2022, 841, 156740.	3.9	12
573	Chemical characteristics of carbonaceous aerosols during dust storms over Xiâ€™an in China. Advances in Atmospheric Sciences, 2008, 25, 847-855.	1.9	11
574	Carbonaceous Aerosol Characteristics in Outdoor and Indoor Environments of Nanchang, China, during Summer 2009. Journal of the Air and Waste Management Association, 2011, 61, 1262-1272.	0.9	11
575	Thermal/Optical Methods for Elemental Carbon Quantification in Soils and Urban Dusts: Equivalence of Different Analysis Protocols. PLoS ONE, 2013, 8, e83462.	1.1	11
576	Spatial patterns, storages and sources of black carbon in soils from the catchment of <scp>Q</scp>inghai <scp>L</scp>ake, <scp>C</scp>hina. European Journal of Soil Science, 2015, 66, 525-534.	1.8	11

#	Article	IF	Citations
577	Asymmetric Diurnal and Monthly Responses of Ecosystem Carbon Fluxes to Experimental Warming. Clean - Soil, Air, Water, 2017, 45, 1600557.	0.7	11
578	Evaluation of epifluorescence methods for quantifying bioaerosols in fine and coarse particulate air pollution. Atmospheric Environment, 2019, 213, 620-628.	1.9	11
579	Automated alternating sampling of PM10 and PM2.5 with an online XRF spectrometer. Atmospheric Environment: X, 2020, 5, 100065.	0.8	11
580	Oxygen vacancy-dependent photocatalytic activity of well-defined Bi₂Sn₂O_{7â^'x} hollow nanocubes for NO_x removal. Environmental Science: Nano, 2021, 8, 1927-1933.	2.2	11
581	Numerical Simulation of the Micro Environment in the Han Yang Mausoleum Museum. Aerosol and Air Quality Research, 2012, 12, 544-552.	0.9	11
582	Column-Integrated Aerosol Optical Properties during Summer and Autumn of 2012 in Xiâ€™an, China. Aerosol and Air Quality Research, 2014, 14, 850-861.	0.9	11
583	Numerical Simulation of Airflow Structure and Dust Emissions behind Porous Fences Used to Shelter Open Storage Piles. Aerosol and Air Quality Research, 2014, 14, 1584-1592.	0.9	11
584	FeCo alloy encased in nitrogen-doped carbon for efficient formaldehyde removal: Preparation, electronic structure, and d-band center tailoring. Journal of Hazardous Materials, 2022, 424, 127593.	6.5	11
585	Size distribution, community composition, and influencing factors of bioaerosols on haze and non-haze days in a megacity in Northwest China. Science of the Total Environment, 2022, 838, 155969.	3.9	11
586	A Case Study of Chemical Characteristics of Daytime and Nighttime Ambient Particles in Shanghai, China. Atmosphere, 2015, 6, 1141-1153.	1.0	10
587	Seasonal Variation, Sources and Transport of Aerosols at Lijiang, Southeast Tibetan Plateau. Aerosol and Air Quality Research, 2016, 16, 1579-1590.	0.9	10
588	Spatial distributions of airborne di-carbonyls in urban and rural areas in China. Atmospheric Research, 2017, 186, 1-8.	1.8	10
589	In Situ Intermediates Determination and Cytotoxicological Assessment in Catalytic Oxidation of Formaldehyde: Implications for Catalyst Design and Selectivity Enhancement under Ambient Conditions. Environmental Science & Technology, 2019, 53, 5230-5240.	4.6	10
590	Characteristics of PM2.5 at a High-Altitude Remote Site in the Southeastern Margin of the Tibetan Plateau in Premonsoon Season. Atmosphere, 2019, 10, 645.	1.0	10
591	Seasonal behavior of water-soluble organic nitrogen in fine particulate matter (PM2.5) at urban coastal environments in Hong Kong. Air Quality, Atmosphere and Health, 2019, 12, 389-399.	1.5	10
592	Holocene pedostratigraphic records from the southern Chinese Loess Plateau and their implications for the effects of climate on human civilization. Catena, 2020, 187, 104410.	2.2	10
593	nâ€Alkanes and PAHs in the Southeastern Tibetan Plateau: Characteristics and Correlations With Brown Carbon Light Absorption. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032666.	1.2	10
594	Toxicological effects of personal exposure to fine particles in adult residents of Hong Kong. Environmental Pollution, 2021, 275, 116633.	3.7	10

#	Article	IF	Citations
595	Diurnal Variations of Sizeâ€Resolved Bioaerosols During Autumn and Winter Over a Semiâ€Arid Megacity in Northwest China. GeoHealth, 2021, 5, e2021GH000411.	1.9	10
596	Chemical characteristics and sources of nitrogen-containing organic compounds at a regional site in the North China Plain during the transition period of autumn and winter. Science of the Total Environment, 2022, 812, 151451.	3.9	10
597	Tuning the nitrogen contents in carbon matrix encapsulating Co nanoparticles for promoting formaldehyde removal through Mott-Schottky effect. Applied Surface Science, 2022, 583, 152552.	3.1	10
598	Emission profiles of volatile organic compounds from various geological maturity coal and its clean coal briquetting in China. Atmospheric Research, 2022, 274, 106200.	1.8	10
599	Molecular compositions, optical properties, and implications of dissolved brown carbon in snow/ice on the Tibetan Plateau glaciers. Environment International, 2022, 164, 107276.	4.8	10
600	Characteristics and health risks of parent, alkylated, and oxygenated PAHs and their contributions to reactive oxygen species from PM2.5 vehicular emissions in the longest tunnel in downtown Xi'an, China. Environmental Research, 2022, 212, 113357.	3.7	10
601	Unexpected response of nitrogen deposition to nitrogen oxide controls and implications for land carbon sink. Nature Communications, 2022, 13, .	5.8	10
602	County-level of particle and gases emission inventory for animal dung burning in the Qinghaiâ€“Tibetan Plateau, China. Journal of Cleaner Production, 2022, 367, 133051.	4.6	10
603	Characteristics of hopanoid hydrocarbons in ambient PM10 and motor vehicle emissions and coal ash in Taiyuan, China. Environmental Geochemistry and Health, 2015, 37, 813-829.	1.8	9
604	Verification of size-resolved population balance modeling for engineered nanoparticles under high concentration. Chemical Engineering Journal, 2017, 323, 592-604.	6.6	9
605	Urban air quality management in Xi'an. Indoor and Built Environment, 2018, 27, 3-6.	1.5	9
606	Cellular Responses to Exposure to Outdoor Air from the Chinese Spring Festival at the Airâ€“Liquid Interface. Environmental Science & Technology, 2019, 53, 9128-9138.	4.6	9
607	Contrasting responses after fires of the source components of soil respiration and ecosystem respiration. European Journal of Soil Science, 2019, 70, 616-629.	1.8	9
608	Enhanced near-visible-light photocatalytic removal of formaldehyde over Au-assisted ZnSn(OH)6 microcubes. Environmental Technology and Innovation, 2020, 20, 101112.	3.0	9
609	Comprehensive Source Apportionment of Submicron Aerosol in Shijiazhuang, China: Secondary Aerosol Formation and Holiday Effects. ACS Earth and Space Chemistry, 2020, 4, 947-957.	1.2	9
610	Characteristics of wintertime VOCs in urban Beijing: Composition and source apportionment. Atmospheric Environment: X, 2021, 9, 100100.	0.8	9
611	Study on mitigation of automobile exhaust pollution in an urban street canyon: Emission reduction and air cleaning street lamps. Building and Environment, 2021, 193, 107651.	3.0	9
612	Intra-Urban Levels, Spatial Variability, Possible Sources and Health Risks of PM2.5 Bound Phthalate Esters in Xiâ€™an. Aerosol and Air Quality Research, 2018, 18, 485-496.	0.9	9

#	Article	IF	Citations
613	Upward trend and formation of surface ozone in the Guanzhong Basin, Northwest China. Journal of Hazardous Materials, 2022, 427, 128175.	6.5	9
614	Source profiles of molecular structure and light absorption of PM2.5 brown carbon from residential coal combustion emission in Northwestern China. Environmental Pollution, 2022, 299, 118866.	3.7	9
615	Evaluating heavy metals contamination in campus dust in Wuhan, the university cluster in Central China: distribution and potential human health risk analysis. Environmental Earth Sciences, 2022, 81, 1.	1.3	9
616	Morphology and mineralogical composition of sandblasting dust particles from the Taklimakan Desert. Science of the Total Environment, 2022, 834, 155315.	3.9	9
617	Combustion-Derived Particulate PAHs Associated with Small Airway Dysfunction in Elderly Patients with COPD. Environmental Science & Technology, 2022, 56, 10868-10878.	4.6	9
618	Morphology and elemental composition of dustfall particles inside emperor qin's terra-cotta warriors and horses museum. Particuology: Science and Technology of Particles, 2006, 4, 346-351.	0.4	8
619	The fifth paleosol layer in the southern part of China's Loess Plateau and its environmental significance. Quaternary International, 2014, 334-335, 189-196.	0.7	8
620	High contributions of fossil sources to more volatile organic aerosol. Atmospheric Chemistry and Physics, 2019, 19, 10405-10422.	1.9	8
621	Water-soluble ions and oxygen isotope in precipitation over a site in northeastern Tibetan Plateau, China. Journal of Atmospheric Chemistry, 2019, 76, 229-243.	1.4	8
622	Shortâ€Term Weather Patterns Modulate Air Quality in Eastern China During 2015â€“2016 Winter. Journal of Geophysical Research D: Atmospheres, 2019, 124, 986-1002.	1.2	8
623	Assessment of Elemental Components in Atmospheric Particulate Matter from a Typical Mining City, Central China: Size Distribution, Source Characterization and Health Risk. Bulletin of Environmental Contamination and Toxicology, 2020, 105, 941-950.	1.3	8
624	Metallic elements and Pb isotopes in PM_{2.5} in three Chinese typical megacities: spatial distribution and source apportionment. Environmental Sciences: Processes and Impacts, 2020, 22, 1718-1730.	1.7	8
625	Decreasing concentrations of carbonaceous aerosols in China from 2003 to 2013. Scientific Reports, 2021, 11, 5352.	1.6	8
626	Optical properties of mountain primary and secondary brown carbon aerosols in summertime. Science of the Total Environment, 2022, 806, 150570.	3.9	8
627	Combustion-derived particulate organic matter associated with hemodynamic abnormality and metabolic dysfunction in healthy adults. Journal of Hazardous Materials, 2021, 418, 126261.	6.5	8
628	Profiles and Source Apportionment of Nonmethane Volatile Organic Compounds in Winter and Summer in Xiâ€™an, China, based on the Hybrid Environmental Receptor Model. Advances in Atmospheric Sciences, 2021, 38, 116-131.	1.9	8
629	Comparison of analytical sensitivity and efficiency for SARS-CoV-2 primer sets by TaqMan-based and SYBR Green-based RT-qPCR. Applied Microbiology and Biotechnology, 2022, 106, 2207-2218.	1.7	8
630	Distribution and stable carbon isotopic composition of dicarboxylic acids, ketocarboxylic acids and <i>Î±</i>-dicarbonyls in fresh and aged biomass burning aerosols. Atmospheric Chemistry and Physics, 2022, 22, 7489-7504.	1.9	8

#	Article	IF	Citations
631	Validation and application of a thermalâ€“optical reflectance (TOR) method for measuring black carbon in loess sediments. Chemosphere, 2013, 91, 1462-1470.	4.2	7
632	Challenges on field monitoring of indoor air quality in china. Indoor and Built Environment, 2017, 26, 576-584.	1.5	7
633	Evaluation on exposures to particulate matter at a junior secondary school: a comprehensive study on health risks and effective inflammatory responses in Northwestern China. Environmental Geochemistry and Health, 2018, 40, 849-863.	1.8	7
634	Characteristics of single atmospheric particles in a heavily polluted urban area of China: size distributions and mixing states. Environmental Science and Pollution Research, 2019, 26, 11730-11742.	2.7	7
635	Biotoxic effects and gene expression regulation of urban PM2.5 in southwestern China. Science of the Total Environment, 2021, 753, 141774.	3.9	7
636	Loss of E-cadherin due to road dust PM2.5 activates the EGFR in human pharyngeal epithelial cells. Environmental Science and Pollution Research, 2021, 28, 53872-53887.	2.7	7
637	Photochemical aging process on PM2.5 bound PAHs emission from solid fuel combustion in traditional and improved stoves. Atmospheric Research, 2021, 263, 105807.	1.8	7
638	Molecular Compositions and Sources of Organic Aerosols from Urban Atmosphere in the North China Plain during the Wintertime of 2017. Aerosol and Air Quality Research, 2019, 19, 2267-2280.	0.9	7
639	Seasonal variation of optical properties and source apportionment of black and brown carbon in Xi'an, China. Atmospheric Pollution Research, 2022, 13, 101448.	1.8	7
640	Carbonaceous Particles in the Atmosphere: Experimental and Modelling Issues. Advances in Meteorology, 2014, 2014, 1-2.	0.6	6
641	Elements in Fine Particulate Matter (PM $$_{2.5}$$ 2.5) from Indoor Air During Household Stoves Coal Combustion at Xuanwei, China. Aerosol Science and Engineering, 2017, 1, 41-50.	1.1	6
642	Three-Dimensional Bi $$_{5}$$ 5 O $$_{7}$$ 7 I Photocatalysts for Efficient Removal of NO in Air Under Visible Light. Aerosol Science and Engineering, 2017, 1, 33-40.	1.1	6
643	A brief introduction and progress summary of the PM2.5 source profile compilation project in China. Aerosol Science and Engineering, 2018, 2, 43-50.	1.1	6
644	Optical property variations from a precursor (isoprene) to its atmospheric oxidation products. Atmospheric Environment, 2018, 193, 198-204.	1.9	6
645	Measurements of Outgassing From PM_{2.5} Collected in Xiâ€™an, China Through Soft X-Ray-Radiolysis. IEEE Transactions on Semiconductor Manufacturing, 2019, 32, 259-266.	1.4	6
646	Characteristics of fresh and aged volatile organic compounds from open burning of crop residues. Science of the Total Environment, 2020, 726, 138545.	3.9	6
647	Iron in the NEEM ice core relative to Asian loess records over the last glacialâ€“interglacial cycle. National Science Review, 2021, 8, nwaa144.	4.6	6
648	The formation and evolution of parent and oxygenated polycyclic aromatic hydrocarbons during a severe winter hazeâ€“fog event over Xiâ€™an, China. Environmental Science and Pollution Research, 2021, 28, 9165-9172.	2.7	6

#	Article	IF	Citations
649	Spatial distribution of PM2.5-bound elements in eighteen cities over China: policy implication and health risk assessment. Environmental Geochemistry and Health, 2021, 43, 4771-4788.	1.8	6
650	Changes in Sourceâ€Specific Black Carbon Aerosol and the Induced Radiative Effects Due to the COVIDâ€19 Lockdown. Geophysical Research Letters, 2021, 48, e2021GL092987.	1.5	6
651	Characteristics of Surface Ozone in Five Provincial Capital Cities of China during 2014â€“2015. Atmosphere, 2020, 11, 107.	1.0	6
652	Inflammatory and oxidative stress responses of healthy elders to solar-assisted large-scale cleaning system (SALSCS) and changes in ambient air pollution: A quasi-interventional study in Xi'an, China. Science of the Total Environment, 2022, 806, 151217.	3.9	6
653	Transport Patterns and Potential Sources of Atmospheric Pollution during the XXIV Olympic Winter Games Period. Advances in Atmospheric Sciences, 2022, 39, 1608-1622.	1.9	6
654	N-Coordinated Ir single atoms anchored on carbon octahedrons for catalytic oxidation of formaldehyde under ambient conditions. Catalysis Science and Technology, 2022, 12, 4001-4011.	2.1	6
655	Emission factors of PM2.5-Bounded selected metals, organic carbon, elemental carbon, and water-soluble ionic species emitted from combustions of biomass materials for source Apportionmentâ€”A new database for 17 plant species. Atmospheric Pollution Research, 2022, 13, 101453.	1.8	6
656	Multi-Year Analyses of Columnar Aerosol Optical and Microphysical Properties in Xiâ€™an, a Megacity in Northwestern China. Remote Sensing, 2018, 10, 1169.	1.8	5
657	Black carbon (BC) in a northern Tibetan mountain: effect of Kuwait fires on glaciers. Atmospheric Chemistry and Physics, 2018, 18, 13673-13685.	1.9	5
658	PAHs in fine particles over Xi'an, a typical northwestern city in China: sources, distribution, and controlling factors. Environmental Sciences: Processes and Impacts, 2018, 20, 1262-1272.	1.7	5
659	Atmospheric Processing of Loess Particles in a Polluted Urban Area of Northwestern China. Journal of Geophysical Research D: Atmospheres, 2019, 124, 7919-7929.	1.2	5
660	Optical properties and source identification of black carbon and brown carbon: comparison of winter and summer haze episodes in Xi'an, Northwest China. Environmental Sciences: Processes and Impacts, 2019, 21, 2058-2069.	1.7	5
661	Atmospheric Concentrations and Airâ€“Soil Exchange of Polycyclic Aromatic Hydrocarbons (PAHs) in Typical Urbanâ€“Rural Fringe of Wuhanâ€“Ezhou Region, Central China. Bulletin of Environmental Contamination and Toxicology, 2020, 104, 96-106.	1.3	5
662	PM_{2.5} pollution in Chinaâ€™s Guanzhong Basin and the USAâ€™s San Joaquin Valley mega-regions. Faraday Discussions, 2021, 226, 255-289.	1.6	5
663	Organic carbon and acidic ions in PM2.5 contributed to particle bioreactivity in Chinese megacities during haze episodes. Environmental Science and Pollution Research, 2022, 29, 11865-11873.	2.7	5
664	Microanalysis of Dust Deposition inside Emperor Qin's Terra-Cotta Warriors and Horses Museum. Aerosol and Air Quality Research, 2010, 10, 59-66.	0.9	5
665	High impact of vehicle and solvent emission on the ambient volatile organic compounds in a major city of northwest China. Chinese Chemical Letters, 2022, 33, 2753-2756.	4.8	5
666	Winter and Summer Characteristics of Airborne Particles Inside Emperor Qin's Terra-Cotta Museum, China: A Study by Scanning Electron Microscopyâ€“Energy Dispersive X-Ray Spectrometry. Journal of the Air and Waste Management Association, 2011, 61, 914-922.	0.9	4

#	Article	IF	Citations
667	Discovery and study of silver sulfate mineral in S5 from the eastern suburb of Xiâ€™an. Science China Earth Sciences, 2012, 55, 456-463.	2.3	4
668	The impact of biomass burning on total suspended particulate matter in the southeastern Tibetan Plateau. Atmospheric Environment, 2018, 193, 33-39.	1.9	4
669	Chemical characterization of PM2.5 from a southern coastal city of China: applications of modeling and chemical tracers in demonstration of regional transport. Environmental Science and Pollution Research, 2018, 25, 20591-20605.	2.7	4
670	Reactive oxygen species induced by personal exposure to fine particulate matter emitted from solid fuel combustion in rural Guanzhong Basin, northwestern China. Air Quality, Atmosphere and Health, 2019, 12, 1323-1333.	1.5	4
671	Synthesis and Applications of Nanomaterials With High Photocatalytic Activity on Air Purification. , 2019, , 299-325.		4
672	Refined Source Apportionment of Atmospheric PM2.5 in a Typical City in Northwest China. Aerosol and Air Quality Research, 2021, 21, 200146.	0.9	4
673	PM2.5 Elements in the Rural Area of Jing-Jin-Ji Region in China: Source Identification and Health Risk Assessment. Aerosol Science and Engineering, 2021, 5, 429-439.	1.1	4
674	Assessment of the emission mitigation effect on the wintertime air quality in the Guanzhong Basin, China from 2013 to 2017. Atmospheric Pollution Research, 2021, 12, 101196.	1.8	4
675	Comparative observation of atmospheric nitrous acid (HONO) in Xi'an and Xianyang located in the GuanZhong basin of western China. Environmental Pollution, 2021, 289, 117679.	3.7	4
676	The mediating role of vascular inflammation in traffic-related air pollution associated changes in insulin resistance in healthy adults. International Journal of Hygiene and Environmental Health, 2022, 239, 113878.	2.1	4
677	Diurnal Variation and Spatial Distribution Effects on Sulfur Speciation in Aerosol Samples as Assessed by X-Ray Absorption Near-Edge Structure (XANES). Journal of Analytical Methods in Chemistry, 2012, 2012, 1-10.	0.7	3
678	Quantification of carbonate carbon in aerosol filter samples using a modified thermal/optical carbon analyzer (M-TOCA). Analytical Methods, 2012, 4, 2578.	1.3	3
679	Effects of volatilization on the hydrogen isotope composition of selected n-alkanes. Atmospheric Research, 2013, 132-133, 164-172.	1.8	3
680	Great wall of solar panels to mitigate yellow dust storm. Particuology, 2014, 13, 146-150.	2.0	3
681	Nuclear power: Deployment speedâ€”Response. Science, 2016, 354, 1112-1113.	6.0	3
682	Sources and Formation Processes of Short-Chain Saturated Diacids (C2â€“C4) in Inhalable Particles (PM10) from Huangshi City, Central China. Atmosphere, 2017, 8, 213.	1.0	3
683	Characteristics of Mass Absorption Efficiency of Elemental Carbon in Urban Chengdu, Southwest China: Implication for the Coating Effects on Aerosol Absorption. Aerosol Science and Engineering, 2018, 2, 33-41.	1.1	3
684	Oligomerization Reactions of Criegee Intermediates with Hydroxyalkyl Hydroperoxides: Mechanism, Kinetics, and Structure-Reactivity Relationship. Atmospheric Chemistry and Physics Discussions, 0, , 1-35.	1.0	3

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685	è¥¿å®‰å„å§æ°”è‡æ°§æ±¡æŸ“å…‰åŒ–å¦ç‰¹å¾ä¸Žæ•æ„Ÿæ€§å^†æž. Chinese Science Bulletin, 2021, , .	0.4	3
686	Real-time chemical composition of ambient fine aerosols and related cytotoxic effects in human lung epithelial cells in an urban area. Environmental Research, 2022, 209, 112792.	3.7	3
687	Insights into the day-night sources and optical properties of coastal organic aerosols in southern China. Science of the Total Environment, 2022, 830, 154663.	3.9	3
688	Emission characteristics and cytotoxic effects of PM2.5 from residential semi-coke briquette combustion. Fuel, 2022, 321, 123998.	3.4	3
689	An Application of Artificial Neural Network to Evaluate the Influence of Weather Conditions on the Variation of PM2.5-Bound Carbonaceous Compositions and Water-Soluble Ionic Species. Atmosphere, 2022, 13, 1042.	1.0	3
690	Measurement report: The importance of biomass burning in light extinction and direct radiative effect of urban aerosol during the COVID-19 lockdown in Xi'an, China. Atmospheric Chemistry and Physics, 2022, 22, 8369-8384.	1.9	3
691	Evaluation of Policy Influence on Long-Term Indoor Air Quality in Emperor Qinâ€™s Terra-Cotta Museum, China. Atmosphere, 2015, 6, 474-489.	1.0	2
692	Sources and Chemical Composition of Particulate Matter During Haze Pollution Events in China. , 2017, , 49-68.		2
693	Understanding Variability of Haze in Eastern China. Journal of Fundamentals of Renewable Energy and Applications, 2017, 07, .	0.2	2
694	Impact of the Green Light Program on haze in the North China Plain, China. Atmospheric Chemistry and Physics, 2019, 19, 11185-11197.	1.9	2
695	Indication of primary biogenic contribution to BrC over a high altitude location in the southeastern Tibet. Atmospheric Environment, 2020, 231, 117462.	1.9	2
696	Numerical study of SALSCS demonstration unit in Xi 'an, China, with non-uniform solar irradiation. International Journal of Heat and Mass Transfer, 2021, 173, 121211.	2.5	2
697	Asian Dust, Eolian Iron and Black Carbonâ€”Connections to Climate Changes. Developments in Paleoenvironmental Research, 2014, , 339-433.	7.5	2
698	HISTORY OF HEAVY ELEMENTS IN THE LAST 250 YEARS RECORDED BY SEDIMENTS IN HUGUANG MAAR LAKE (HUGUANGYAN). Marine Geology & Quaternary Geology, 2010, 30, 47-54.	0.1	2
699	Response of aerosol composition to the clean air actions in Baoji city of Fen-Wei River Basin. Environmental Research, 2022, 210, 112936.	3.7	2
700	Diurnal Variations of Isoprene, Monoterpenes, and Toluene Oxidation Products in Aerosols at a Rural Site of Guanzhong Plain, Northwest China. Atmosphere, 2022, 13, 634.	1.0	2
701	Impact of reduced anthropogenic emissions on chemical characteristics of urban aerosol by individual particle analysis. Chemosphere, 2022, 303, 135013.	4.2	2
702	Palaeoenvironmental implication of the Plio-Pleistocene loess deposits in southern Tarim Basin. Science Bulletin, 2002, 47, 700-704.	1.7	1

#	Article	IF	Citations
703	A Special Issue of JA&WMA on Papers from the â€œLeapfrogging Opportunities for Air Quality Improvement Conferenceâ€. Journal of the Air and Waste Management Association, 2011, 61, 1091-1092.	0.9	1
704	Particulate matter pollution research in the Yangtze River Delta: Observations, processes, modeling and health effects. Atmospheric Environment, 2015, 123, 285-287.	1.9	1
705	Characterizing Spatial Patterns of NO2 and SO2 in Xiâ€™an by Passive Sampling. Aerosol Science and Engineering, 2019, 3, 88-96.	1.1	1
706	Vertical profile of organic and elemental carbon in sediments of Songkhla Lake, Thailand. Limnology, 2019, 20, 203-214.	0.8	1
707	A Review of the Techniques Used for Measurements of Nitrogen Isotopes in Atmospheric Aerosols. Aerosol Science and Engineering, 2020, 4, 41-49.	1.1	1
708	Mid-Holocene soil water and vegetation in the Xiâ€™an area of the southern Chinese Loess Plateau. Geoderma, 2021, 383, 114802.	2.3	1
709	Reply to Hopke and Dai: The correlation between PM2.5 and combustion-derived water is unlikely driven by local residential coal combustion. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, e2102877118.	3.3	1
710	Active nitrogen cycle driven by solar radiation in clean desert air. Earth's Future, 0, , .	2.4	1
711	Unraveling the Reaction Mechanism of HCHO Catalytic Oxidation on Pristine Co3O4 (110) Surface: A Theoretical Study. Catalysts, 2022, 12, 560.	1.6	1
712	Assessment of the inhalation exposure and incremental lifetime cancer risk of PM2.5 bounded polycyclic aromatic hydrocarbons (PAHs) by different toxic equivalent factors and occupancy probability, in the case of Xiâ€™an. Environmental Science and Pollution Research, 2022, 29, 76378-76393.	2.7	1
713	Analysis of carbon isotopes in airborne carbonate and impli-cations for aeolian sources. Science Bulletin, 2004, 49, 1637.	1.7	0
714	Preface of Special Issue - Aerosol and Air Quality Research in Asia. Aerosol and Air Quality Research, 2012, 12, 1037-1039.	0.9	0
715	Summary of Track 5: Aerosol. Procedia Engineering, 2015, 102, 1142-1143.	1.2	0
716	Real-Time Characterization of Aerosol Particle Composition During Winter High-Pollution Events in China. , 2017, , 221-244.		0
717	The 2nd Workshop on â€œHousehold Energy, Air Pollution and Prevention Strategy (HeAPPs)â€, Xiâ€™an, China. Aerosol Science and Engineering, 2017, 1, 51-55.	1.1	0
718	The 10th Asian Aerosol Conference in Jeju, Korea. Aerosol Science and Engineering, 2017, 1, 169-170.	1.1	0
719	Data relating to carbonaceous components in Songkhla Lake sediments, Thailand. Data in Brief, 2019, 22, 1012-1017.	0.5	0
720	Chinaâ€™s EarthLabâ€”Forefront of Earth System Simulation Research. Advances in Atmospheric Sciences, 2021, 38, 1611-1620.	1.9	0

#	Article	IF	Citations
721	Development and Application of Photoionization Technology for Organic Analysis of Particulate Matter. Aerosol Science and Engineering, 0, , 1.	1.1	0
722	A Review of Data Assimilation on Aerosol Optical, Radiative, and Climatic Effects Study. Aerosol Science and Engineering, 0, , .	1.1	0