

# Xinlei Ge

## List of Publications by Year in descending order

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161  
papers

7,911  
citations

41344

49  
h-index

60623

81  
g-index

184  
all docs

184  
docs citations

184  
times ranked

6992  
citing authors

#	ARTICLE	IF	CITATIONS
1	Atmospheric amines – Part I. A review. <i>Atmospheric Environment</i> , 2011, 45, 524-546.	4.1	725
2	The impact of relative humidity on aerosol composition and evolution processes during wintertime in Beijing, China. <i>Atmospheric Environment</i> , 2013, 77, 927-934.	4.1	330
3	Primary and secondary aerosols in Beijing in winter: sources, variations and processes. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 8309-8329.	4.9	288
4	Activated bio-chars derived from rice husk via one- and two-step KOH-catalyzed pyrolysis for phenol adsorption. <i>Science of the Total Environment</i> , 2019, 646, 1567-1577.	8.0	248
5	Atmospheric amines – Part II. Thermodynamic properties and gas/particle partitioning. <i>Atmospheric Environment</i> , 2011, 45, 561-577.	4.1	231
6	Puzzling Haze Events in China During the Coronavirus (COVID-19) Shutdown. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088533.	4.0	165
7	Fast sulfate formation from oxidation of SO <sub>2</sub> by NO <sub>2</sub> and HONO observed in Beijing haze. <i>Nature Communications</i> , 2020, 11, 2844.	12.8	161
8	Effect of aqueous-phase processing on aerosol chemistry and size distributions in Fresno, California, during wintertime. <i>Environmental Chemistry</i> , 2012, 9, 221.	1.5	159
9	Changes in Aerosol Chemistry From 2014 to 2016 in Winter in Beijing: Insights From High-Resolution Aerosol Mass Spectrometry. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 1132-1147.	3.3	155
10	Hydrothermal carbonization of medical wastes and lignocellulosic biomass for solid fuel production from lab-scale to pilot-scale. <i>Energy</i> , 2017, 118, 312-323.	8.8	137
11	Modeling biogenic and anthropogenic secondary organic aerosol in China. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 77-92.	4.9	137
12	Primary and secondary organic aerosols in Fresno, California during wintertime: Results from high resolution aerosol mass spectrometry. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	133
13	Chemical composition, sources, and processes of urban aerosols during summertime in northwest China: insights from high-resolution aerosol mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 12593-12611.	4.9	132
14	An unexpected catalyst dominates formation and radiative forcing of regional haze. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 3960-3966.	7.1	132
15	Temporal variations of six ambient criteria air pollutants from 2015 to 2018, their spatial distributions, health risks and relationships with socioeconomic factors during 2018 in China. <i>Environment International</i> , 2020, 137, 105556.	10.0	122
16	By-products recycling for syngas cleanup in biomass pyrolysis – An overview. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 59, 1246-1268.	16.4	109
17	Carbon-Based Electrocatalysts for Efficient Hydrogen Peroxide Production. <i>Advanced Materials</i> , 2021, 33, e2103266.	21.0	104
18	Air pollution characteristics and health risks in Henan Province, China. <i>Environmental Research</i> , 2017, 156, 625-634.	7.5	101

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19	CO <sub>2</sub> -looping in biomass pyrolysis or gasification. <i>Sustainable Energy and Fuels</i> , 2017, 1, 1700-1729.	4.9	98
20	Highly time-resolved urban aerosol characteristics during springtime in Yangtze River Delta, China: insights from soot particle aerosol mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 9109-9127.	4.9	96
21	Regional Influence of Aerosol Emissions from Wildfires Driven by Combustion Efficiency: Insights from the BBOP Campaign. <i>Environmental Science &amp; Technology</i> , 2016, 50, 8613-8622.	10.0	89
22	Contrasting physical properties of black carbon in urban Beijing between winter and summer. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 6749-6769.	4.9	89
23	Waste-to-energy: Dehalogenation of plastic-containing wastes. <i>Waste Management</i> , 2016, 49, 287-303.	7.4	86
24	Chemical characterization of fine particulate matter in Changzhou, China, and source apportionment with offline aerosol mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 2573-2592.	4.9	86
25	Characterization of black carbon-containing fine particles in Beijing during wintertime. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 447-458.	4.9	84
26	Wintertime organic and inorganic aerosols in Lanzhou, China: sources, processes, and comparison with the results during summer. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 14937-14957.	4.9	83
27	In vitro toxicity evaluation of heavy metals in urban air particulate matter on human lung epithelial cells. <i>Science of the Total Environment</i> , 2019, 678, 301-308.	8.0	83
28	Aerosol characteristics and sources in Yangzhou, China resolved by offline aerosol mass spectrometry and other techniques. <i>Environmental Pollution</i> , 2017, 225, 74-85.	7.5	82
29	Seasonal light absorption properties of water-soluble brown carbon in atmospheric fine particles in Nanjing, China. <i>Atmospheric Environment</i> , 2018, 187, 230-240.	4.1	80
30	Chemical composition and size distribution of summertime PM <sub>2.5</sub> at a high altitude remote location in the northeast of the Qinghai "Xizang (Tibet) Plateau: insights into aerosol sources and processing in free troposphere. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 5069-5081.	4.9	77
31	Aqueous Hg(II) immobilization by chitosan stabilized magnetic iron sulfide nanoparticles. <i>Science of the Total Environment</i> , 2018, 621, 1074-1083.	8.0	75
32	Aqueous production of secondary organic aerosol from fossil-fuel emissions in winter Beijing haze. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	75
33	Vertical characterization of aerosol optical properties and brown carbon in winter in urban Beijing, China. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 165-179.	4.9	73
34	Micro-mesoporous carbons from original and pelletized rice husk via one-step catalytic pyrolysis. <i>Bioresource Technology</i> , 2018, 269, 67-73.	9.6	72
35	Characteristics, sources and health risks of toxic species (PCDD/Fs, PAHs and heavy metals) in PM <sub>2.5</sub> during fall and winter in an industrial area. <i>Chemosphere</i> , 2020, 238, 124620.	8.2	68
36	Observation of Fullerene Soot in Eastern China. <i>Environmental Science and Technology Letters</i> , 2016, 3, 121-126.	8.7	67

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37	Chemical processing of water-soluble species and formation of secondary organic aerosol in fogs. <i>Atmospheric Environment</i> , 2019, 200, 158-166.	4.1	66
38	Statistical Mechanics of Multilayer Sorption: Extension of the Brunauer–Emmett–Teller (BET) and Guggenheim–Anderson–de Boer (GAB) Adsorption Isotherms. <i>Journal of Physical Chemistry C</i> , 2011, 115, 16474-16487.	3.1	64
39	Changes of air quality and its associated health and economic burden in 31 provincial capital cities in China during COVID-19 pandemic. <i>Atmospheric Research</i> , 2021, 249, 105328.	4.1	60
40	Production of $\text{N}_2\text{O}$ and $\text{ClNO}_2$ in summer in urban Beijing, China. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 11581-11597.	4.9	57
41	Organic aerosol source apportionment in Zurich using an extractive electrospray ionization time-of-flight mass spectrometer (EESI-TOF-MS) – Part 2: Biomass burning influences in winter. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 8037-8062.	4.9	57
42	Facile fabrication of direct solid-state Z-scheme $\text{g-C}_3\text{N}_4/\text{Fe}_2\text{O}_3$ heterojunction: a cost-effective photocatalyst with high efficiency for the degradation of aqueous organic pollutants. <i>Dalton Transactions</i> , 2018, 47, 15382-15390.	3.3	56
43	Organic Aerosol Processing During Winter Severe Haze Episodes in Beijing. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 10248-10263.	3.3	56
44	Dissolved Organic Matter and Inorganic Ions in a Central Himalayan Glacier – Insights into Chemical Composition and Atmospheric Sources. <i>Environmental Science &amp; Technology</i> , 2013, 47, 6181-6188.	10.0	55
45	First Chemical Characterization of Refractory Black Carbon Aerosols and Associated Coatings over the Tibetan Plateau (4730 m a.s.l.). <i>Environmental Science &amp; Technology</i> , 2017, 51, 14072-14082.	10.0	55
46	A highly efficient composite cathode for proton-conducting solid oxide fuel cells. <i>Journal of Power Sources</i> , 2020, 451, 227812.	7.8	54
47	Light-absorbing and fluorescent properties of atmospheric brown carbon: A case study in Nanjing, China. <i>Chemosphere</i> , 2020, 251, 126350.	8.2	53
48	Toward Understanding Amines and Their Degradation Products from Postcombustion $\text{CO}_2$ Capture Processes with Aerosol Mass Spectrometry. <i>Environmental Science &amp; Technology</i> , 2014, 48, 5066-5075.	10.0	52
49	Characteristics and Formation Mechanisms of Fine Particulate Nitrate in Typical Urban Areas in China. <i>Atmosphere</i> , 2017, 8, 62.	2.3	52
50	Investigating the PM <sub>2.5</sub> mass concentration growth processes during 2013–2016 in Beijing and Shanghai. <i>Chemosphere</i> , 2019, 221, 452-463.	8.2	50
51	Thermochemical treatment of non-metallic residues from waste printed circuit board: Pyrolysis vs. combustion. <i>Journal of Cleaner Production</i> , 2018, 176, 1045-1053.	9.3	49
52	Responses of secondary aerosols to relative humidity and photochemical activities in an industrialized environment during late winter. <i>Atmospheric Environment</i> , 2018, 193, 66-78.	4.1	49
53	Light absorption enhancement of black carbon in urban Beijing in summer. <i>Atmospheric Environment</i> , 2019, 213, 499-504.	4.1	49
54	Source identification of trace elements in the atmosphere during the second Asian Youth Games in Nanjing, China: Influence of control measures on air quality. <i>Atmospheric Pollution Research</i> , 2016, 7, 547-556.	3.8	47

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55	Oil sludge recycling by ash-catalyzed pyrolysis-reforming processes. <i>Fuel</i> , 2016, 182, 871-878.	6.4	47
56	Chemical pyrolysis of E-waste plastics: Char characterization. <i>Journal of Environmental Management</i> , 2018, 214, 94-103.	7.8	46
57	Summertime aerosol volatility measurements in Beijing, China. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 10205-10216.	4.9	45
58	Correlation and Prediction of Activity and Osmotic Coefficients of Aqueous Electrolytes at 298.15 K by the Modified TCPC Model. <i>Journal of Chemical &amp; Engineering Data</i> , 2007, 52, 538-547.	1.9	43
59	Seasonal Characterization of Organic Nitrogen in Atmospheric Aerosols Using High Resolution Aerosol Mass Spectrometry in Beijing, China. <i>ACS Earth and Space Chemistry</i> , 2017, 1, 673-682.	2.7	42
60	Chemical characteristics of submicron particles at the central Tibetan Plateau: insights from aerosol mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 427-443.	4.9	42
61	Brown carbon in atmospheric fine particles in Yangzhou, China: Light absorption properties and source apportionment. <i>Atmospheric Research</i> , 2020, 244, 105028.	4.1	42
62	Copper extraction from copper ore by electro-reduction in molten CaCl <sub>2</sub> -NaCl. <i>Electrochimica Acta</i> , 2009, 54, 4397-4402.	5.2	41
63	Seasonal Variations and Sources of 17 Aerosol Metal Elements in Suburban Nanjing, China. <i>Atmosphere</i> , 2016, 7, 153.	2.3	41
64	Catalytic oxidation of nitric oxide (NO) with carbonaceous materials. <i>RSC Advances</i> , 2016, 6, 8469-8482.	3.6	40
65	Characterization of Fine Particulate Matter and Associated Health Burden in Nanjing. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 602.	2.6	40
66	An Isotherm-Based Thermodynamic Model of Multicomponent Aqueous Solutions, Applicable Over the Entire Concentration Range. <i>Journal of Physical Chemistry A</i> , 2013, 117, 3198-3213.	2.5	39
67	Investigation of submicron aerosol characteristics in Changzhou, China: Composition, source, and comparison with co-collected PM <sub>2.5</sub> . <i>Chemosphere</i> , 2017, 183, 176-185.	8.2	37
68	Estimation of Freezing Point Depression, Boiling Point Elevation, and Vaporization Enthalpies of Electrolyte Solutions. <i>Industrial &amp; Engineering Chemistry Research</i> , 2009, 48, 2229-2235.	3.7	34
69	Bioaccessibility and health risk of trace elements in fine particulate matter in different simulated body fluids. <i>Atmospheric Environment</i> , 2018, 186, 1-8.	4.1	34
70	Co-pyrolysis of E-Waste Nonmetallic Residues with Biowastes. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 9086-9093.	6.7	33
71	COVID-19 Impact on the Concentration and Composition of Submicron Particulate Matter in a Typical City of Northwest China. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089035.	4.0	33
72	Statistical Mechanics of Multilayer Sorption: 2. Systems Containing Multiple Solutes. <i>Journal of Physical Chemistry C</i> , 2012, 116, 1850-1864.	3.1	32

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73	Summertime Day-Night Differences of PM <sub>2.5</sub> Components (Inorganic Ions, OC, EC, WSOC, WSON, HULIS,) Tj ETQq <sub>2.3</sub> 1.0784314 rgB	10.0	27
74	Recent progress in Bi <sub>2</sub> WO <sub>6</sub> -Based photocatalysts for clean energy and environmental remediation: Competitiveness, challenges, and future perspectives. Nano Select, 2021, 2, 187-215.	3.7	31
75	C1-C2 alkyl aminiums in urban aerosols: Insights from ambient and fuel combustion emission measurements in the Yangtze River Delta region of China. Environmental Pollution, 2017, 230, 12-21.	7.5	29
76	Mixing state and light absorption enhancement of black carbon aerosols in summertime Nanjing, China. Atmospheric Environment, 2020, 222, 117141.	4.1	29
77	Light absorption by water-soluble organic carbon in atmospheric fine particles in the central Tibetan Plateau. Environmental Science and Pollution Research, 2017, 24, 21386-21397.	5.3	28
78	Vertical Characterization and Source Apportionment of Water-Soluble Organic Aerosol with High-resolution Aerosol Mass Spectrometry in Beijing, China. ACS Earth and Space Chemistry, 2019, 3, 273-284.	2.7	28
79	Pyrite transformation and sulfur dioxide release during calcination of coal gangue. RSC Advances, 2014, 4, 42506-42513.	3.6	27
80	Characterization of Size-Resolved Hygroscopicity of Black Carbon-Containing Particle in Urban Environment. Environmental Science & Technology, 2019, 53, 14212-14221.	10.0	27
81	A comprehensive investigation of aqueous-phase photochemical oxidation of 4-ethylphenol. Science of the Total Environment, 2019, 685, 976-985.	8.0	25
82	Manganese oxide catalysts supported on zinc oxide nanorod arrays: A new composite for selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> at low temperature. Applied Surface Science, 2019, 491, 579-589.	6.1	25
83	Laboratory observations of temperature and humidity dependencies of nucleation and growth rates of sub- $\mu\text{m}$ particles. Journal of Geophysical Research D: Atmospheres, 2017, 122, 1919-1929.	3.3	24
84	Fuel nitrogen conversion and release of nitrogen oxides during coal gangue calcination. Environmental Science and Pollution Research, 2015, 22, 7139-7146.	5.3	23
85	Promotional effect of rare earth-doped manganese oxides supported on activated semi-coke for selective catalytic reduction of NO with NH <sub>3</sub> . Environmental Science and Pollution Research, 2017, 24, 24473-24484.	5.3	23
86	Correlation and Prediction of Thermodynamic Properties of Some Complex Aqueous Electrolytes by the Modified Three-Characteristic-Parameter Correlation Model. Journal of Chemical & Engineering Data, 2008, 53, 950-958.	1.9	22
87	Calculations of Freezing Point Depression, Boiling Point Elevation, Vapor Pressure and Enthalpies of Vaporization of Electrolyte Solutions by a Modified Three-Characteristic Parameter Correlation Model. Journal of Solution Chemistry, 2009, 38, 1097-1117.	1.2	22
88	Catalytic CO <sub>2</sub> Gasification of Rice Husk Char for Syngas and Silica-Based Nickel Nanoparticles Production. Industrial & Engineering Chemistry Research, 2015, 54, 8919-8928.	3.7	22
89	Significant secondary organic aerosol production from aqueous-phase processing of two intermediate volatility organic compounds. Atmospheric Environment, 2019, 211, 63-68.	4.1	22
90	Aqueous-phase oxidation of three phenolic compounds by hydroxyl radical: Insight into secondary organic aerosol formation yields, mechanisms, products and optical properties. Atmospheric Environment, 2020, 223, 117240.	4.1	20

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91	Secondary organic aerosol formation from 3C <sup>+</sup> -initiated oxidation of 4-ethylguaiacol in atmospheric aqueous-phase. <i>Science of the Total Environment</i> , 2020, 723, 137953.	8.0	20
92	A 1-year characterization of organic aerosol composition and sources using an extractive electrospray ionization time-of-flight mass spectrometer (EESI-TOF). <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 7875-7893.	4.9	20
93	Spatial and temporal characteristics of air pollutants and their health effects in China during 2019–2020. <i>Journal of Environmental Management</i> , 2022, 317, 115460.	7.8	20
94	Aqueous-Phase Secondary Organic Aerosol Formation Via Reactions with Organic Triplet Excited States—a Short Review. <i>Current Pollution Reports</i> , 2018, 4, 8-12.	6.6	19
95	Evaluation of particulate matter deposition in the human respiratory tract during winter in Nanjing using size and chemically resolved ambient measurements. <i>Air Quality, Atmosphere and Health</i> , 2019, 12, 529-538.	3.3	19
96	Characterization of submicron organic particles in Beijing during summertime: comparison between SP-AMS and HR-AMS. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 14091-14102.	4.9	19
97	Quantitative Relationship between Cadmium Uptake and the Kinetics of Phytochelatin Induction by Cadmium in a Marine Diatom. <i>Scientific Reports</i> , 2016, 6, 35935.	3.3	18
98	Characterization of PM <sub>10</sub> surrounding a cement plant with integrated facilities for co-processing of hazardous wastes. <i>Journal of Cleaner Production</i> , 2018, 186, 831-839.	9.3	18
99	Chemical Characteristics of PM <sub>2.5</sub> and Water-Soluble Organic Nitrogen in Yangzhou, China. <i>Atmosphere</i> , 2019, 10, 178.	2.3	18
100	Characteristics and potential sources of black carbon particles in suburban Nanjing, China. <i>Atmospheric Pollution Research</i> , 2020, 11, 981-991.	3.8	18
101	A Simple Two-Parameter Correlation Model for Aqueous Electrolyte Solutions across a Wide Range of Temperatures. <i>Journal of Chemical &amp; Engineering Data</i> , 2009, 54, 179-186.	1.9	17
102	Characteristics of Air Pollution and Their Relationship with Meteorological Parameters: Northern Versus Southern Cities of China. <i>Atmosphere</i> , 2020, 11, 253.	2.3	17
103	Chemical Characterization of Seasonal PM <sub>2.5</sub> Samples and Their Cytotoxicity in Human Lung Epithelial Cells (A549). <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 4599.	2.6	17
104	Recent advances in bismuth-based multimetal oxide photocatalysts for hydrogen production from water splitting: Competitiveness, challenges, and future perspectives. <i>Materials Reports Energy</i> , 2021, 1, 100019.	3.2	17
105	Correlation and Prediction of Thermodynamic Properties of Nonaqueous Electrolytes by the Modified TCPC Model. <i>Journal of Chemical &amp; Engineering Data</i> , 2008, 53, 149-159.	1.9	16
106	Characteristics and sources of ambient refractory black carbon aerosols: Insights from soot particle aerosol mass spectrometer. <i>Atmospheric Environment</i> , 2018, 185, 147-152.	4.1	16
107	Characteristics and potential source areas of aliphatic amines in PM <sub>2.5</sub> in Yangzhou, China. <i>Atmospheric Pollution Research</i> , 2020, 11, 296-302.	3.8	16
108	Role of biochar in biodegradation of nonylphenol in sediment: Increasing microbial activity versus decreasing bioavailability. <i>Scientific Reports</i> , 2017, 7, 4726.	3.3	15

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109	Chemical and Light Extinction Characteristics of Atmospheric Aerosols in Suburban Nanjing, China. <i>Atmosphere</i> , 2017, 8, 149.	2.3	15
110	Investigation of formation mechanism of particulate matter in a laboratory-scale simulated cement kiln co-processing municipal sewage sludge. <i>Journal of Cleaner Production</i> , 2019, 234, 822-831.	9.3	15
111	Aqueous-Phase Production of Secondary Organic Aerosols from Oxidation of Dibenzothiophene (DBT). <i>Atmosphere</i> , 2020, 11, 151.	2.3	15
112	Comparison of air pollutants and their health effects in two developed regions in China during the COVID-19 pandemic. <i>Journal of Environmental Management</i> , 2021, 287, 112296.	7.8	15
113	One-Year Real-Time Measurement of Black Carbon in the Rural Area of Qingdao, Northeastern China: Seasonal Variations, Meteorological Effects, and the COVID-19 Case Analysis. <i>Atmosphere</i> , 2021, 12, 394.	2.3	14
114	Ambient marine shipping emissions determined by vessel operation mode along the East China Sea. <i>Science of the Total Environment</i> , 2021, 769, 144713.	8.0	14
115	Characteristics of Black Carbon Particle-Bound Polycyclic Aromatic Hydrocarbons in Two Sites of Nanjing and Shanghai, China. <i>Atmosphere</i> , 2020, 11, 202.	2.3	13
116	Seasonal variation of oxidative potential of water-soluble components in PM <sub>2.5</sub> and PM <sub>1</sub> in the Yangtze River Delta, China. <i>Air Quality, Atmosphere and Health</i> , 2021, 14, 1825-1836.	3.3	13
117	Performance of Two Bioswales on Urban Runoff Management. <i>Infrastructures</i> , 2017, 2, 12.	2.8	12
118	Aerosol Measurements by Soot Particle Aerosol Mass Spectrometer: a Review. <i>Current Pollution Reports</i> , 2020, 6, 440-451.	6.6	12
119	Comparative analysis of the chemical characteristics and sources of fine atmospheric particulate matter (PM <sub>2.5</sub> ) at two sites in Changzhou, China. <i>Atmospheric Pollution Research</i> , 2021, 12, 101124.	3.8	12
120	A new three-particle-interaction model to predict the thermodynamic properties of different electrolytes. <i>Journal of Chemical Thermodynamics</i> , 2007, 39, 602-612.	2.0	11
121	Chemical Records in Snowpits from High Altitude Glaciers in the Tibetan Plateau and Its Surroundings. <i>PLoS ONE</i> , 2016, 11, e0155232.	2.5	11
122	Exploration of biodegradation mechanisms of black carbon-bound nonylphenol in black carbon-amended sediment. <i>Environmental Pollution</i> , 2017, 231, 752-760.	7.5	11
123	Prediction of water quality based on SVR by fluorescence excitation-emission matrix and UV-Vis absorption spectrum. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 273, 121059.	3.9	11
124	Estimation of secondary PM <sub>2.5</sub> in China and the United States using a multi-tracer approach. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 5495-5514.	4.9	11
125	Comparative Toxic Effects of Manufactured Nanoparticles and Atmospheric Particulate Matter in Human Lung Epithelial Cells. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 22.	2.6	10
126	Influence of regional emission controls on the chemical composition, sources, and size distributions of submicron aerosols: Insights from the 2014 Nanjing Youth Olympic Games. <i>Science of the Total Environment</i> , 2022, 807, 150869.	8.0	10



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127	Chemical Characterization of Two Seasonal PM <sub>2.5</sub> Samples in Nanjing and Its Toxicological Properties in Three Human Cell Lines. <i>Environments - MDPI</i> , 2019, 6, 42.	3.3	9
128	Recent Progress in Impacts of Mixing State on Optical Properties of Black Carbon Aerosol. <i>Current Pollution Reports</i> , 2020, 6, 380-398.	6.6	9
129	Chemical and Optical Characteristics and Sources of PM <sub>2.5</sub> Humic-Like Substances at Industrial and Suburban Sites in Changzhou, China. <i>Atmosphere</i> , 2021, 12, 276.	2.3	9
130	Chemical Characteristics and Sources of Water-Soluble Organic Nitrogen Species in PM <sub>2.5</sub> in Nanjing, China. <i>Atmosphere</i> , 2021, 12, 574.	2.3	9
131	The partitioning behavior of trace element and its distribution in the surrounding soil of a cement plant integrated utilization of hazardous wastes. <i>Environmental Science and Pollution Research</i> , 2016, 23, 13943-13953.	5.3	7
132	Adsorption-Desorption Characteristics of Nonylphenol on Two Different Origins of Black Carbon. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	2.4	7
133	Molecular characterization of biomass burning tracer compounds in fine particles in Nanjing, China. <i>Atmospheric Environment</i> , 2020, 240, 117837.	4.1	7
134	Validation of a sensitive high performance liquid chromatography tandem mass spectrometric method for measuring carbohydrates in aerosol samples. <i>Journal of Chromatography A</i> , 2020, 1619, 460941.	3.7	7
135	Sources and processes of organic aerosol in non-refractory PM <sub>1</sub> and PM <sub>2.5</sub> during foggy and haze episodes in an urban environment of the Yangtze River Delta, China. <i>Environmental Research</i> , 2022, 212, 113557.	7.5	7
136	Chemical properties, sources and size-resolved hygroscopicity of submicron black-carbon-containing aerosols in urban Shanghai. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 8073-8096.	4.9	7
137	Impacts of relative humidity on fine aerosol properties via environmental wind tunnel experiments. <i>Atmospheric Environment</i> , 2019, 206, 21-29.	4.1	6
138	The Relative Contributions of Different Chemical Components to the Oxidative Potential of Ambient Fine Particles in Nanjing Area. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 2789.	2.6	6
139	Secondary organic aerosol formation from monocyclic aromatic hydrocarbons—insights from laboratory studies. <i>Environmental Sciences: Processes and Impacts</i> , 2022, , .	3.5	6
140	Decay Kinetics and Absorption Changes of Methoxyphenols and Nitrophenols during Nitrate-Mediated Aqueous Photochemical Oxidation at 254 and 313 nm. <i>ACS Earth and Space Chemistry</i> , 2022, 6, 1115-1125.	2.7	6
141	Characteristics, formation, and sources of PM <sub>2.5</sub> in 2020 in Suzhou, Yangtze River Delta, China. <i>Environmental Research</i> , 2022, 212, 113545.	7.5	6
142	Optical and chemical properties and oxidative potential of aqueous-phase products from OH and $\text{NO}_3$ -initiated photooxidation of eugenol. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 7793-7814.	4.9	6
143	Disentangling drivers of air pollutant and health risk changes during the COVID-19 lockdown in China. <i>Npj Climate and Atmospheric Science</i> , 2022, 5, .	6.8	6
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