

# Jianmin Chen

## List of Publications by Year in descending order

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Version: 2024-02-01

510  
papers

26,378  
citations

8755

77  
h-index

17373

126  
g-index

638  
all docs

638  
docs citations

638  
times ranked

23540  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigating aldehyde and ketone compounds produced from indoor cooking emissions and assessing their health risk to human beings. <i>Journal of Environmental Sciences</i> , 2023, 127, 389-398.	3.2	14
2	A critical review of sulfate aerosol formation mechanisms during winter polluted periods. <i>Journal of Environmental Sciences</i> , 2023, 123, 387-399.	3.2	20
3	Sources of variation in simulated ecosystem carbon storage capacity from the 5th Climate Model Intercomparison Project (CMIP5). <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 66, 22568.	0.8	17
4	Application of smog chambers in atmospheric process studies. <i>National Science Review</i> , 2022, 9, nwab103.	4.6	21
5	<i>p</i> -Phenylenediamine Antioxidants in PM <sub>2.5</sub> : The Underestimated Urban Air Pollutants. <i>Environmental Science &amp; Technology</i> , 2022, 56, 6914-6921.	4.6	61
6	Atmospheric gaseous organic acids in winter in a rural site of the North China Plain. <i>Journal of Environmental Sciences</i> , 2022, 113, 190-203.	3.2	5
7	Mechanistic toxicity assessment of fine particulate matter emitted from fuel combustion via pathway-based approaches in human cells. <i>Science of the Total Environment</i> , 2022, 806, 150214.	3.9	4
8	Source apportionment of PM <sub>2.5</sub> during haze episodes in Shanghai by the PMF model with PAHs. <i>Journal of Cleaner Production</i> , 2022, 330, 129850.	4.6	30
9	An online technology for effectively monitoring inorganic condensable particulate matter emitted from industrial plants. <i>Journal of Hazardous Materials</i> , 2022, 428, 128221.	6.5	9
10	Toxic potency-adjusted control of air pollution for solid fuel combustion. <i>Nature Energy</i> , 2022, 7, 194-202.	19.8	59
11	Absorption Enhancement of Black Carbon Aerosols Constrained by Mixing-State Heterogeneity. <i>Environmental Science &amp; Technology</i> , 2022, 56, 1586-1593.	4.6	18
12	Connecting the Oxidative Potential of Fractionated Particulate Matter With Chromophoric Substances. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	1.2	5
13	Existence and Formation Pathways of High- and Low-Maturity Elemental Carbon from Solid Fuel Combustion by a Time-Resolved Study. <i>Environmental Science &amp; Technology</i> , 2022, 56, 2551-2561.	4.6	15
14	Significant impactor sampling artifacts of ammonium, nitrate, and organic acids. <i>Atmospheric Environment</i> , 2022, 274, 118985.	1.9	2
15	Regional Transport of PM <sub>2.5</sub> and O <sub>3</sub> Based on Complex Network Method and Chemical Transport Model in the Yangtze River Delta, China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	1.2	5
16	Photodissociation of particulate nitrate as a source of daytime tropospheric Cl <sub>2</sub> . <i>Nature Communications</i> , 2022, 13, 939.	5.8	26
17	Characterization of peroxyacetyl nitrate (PAN) under different PM <sub>2.5</sub> concentration in wintertime at a North China rural site. <i>Journal of Environmental Sciences</i> , 2022, 114, 221-232.	3.2	5
18	More Than Concentration Reduction: Contributions of Oxidation Technologies to Alleviating Aerosol Toxicity from Diesel Engines. <i>Environmental Science and Technology Letters</i> , 2022, 9, 280-285.	3.9	5

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19	Atmospheric measurements at Mt. Tai – Part I: HONO formation and its role in the oxidizing capacity of the upper boundary layer. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 3149-3167.	1.9	12
20	Characteristics of aerosol chemistry and acidity in Shanghai after PM2.5 satisfied national guideline: Insight into future emission control. <i>Science of the Total Environment</i> , 2022, 827, 154319.	3.9	13
21	pH modifies the oxidative potential and peroxide content of biomass burning HULIS under dark aging. <i>Science of the Total Environment</i> , 2022, 834, 155365.	3.9	13
22	Accurate observation of black and brown carbon in atmospheric fine particles via a versatile aerosol concentration enrichment system (VACES). <i>Science of the Total Environment</i> , 2022, 837, 155817.	3.9	4
23	Formation of Secondary Nitroaromatic Compounds in Polluted Urban Environments. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	1.2	11
24	Molecular characterization of nitrogen-containing organic compounds in the winter North China Plain. <i>Science of the Total Environment</i> , 2022, 838, 156189.	3.9	5
25	Constraining Microplastic Particle Emission Flux from the Ocean. <i>Environmental Science and Technology Letters</i> , 2022, 9, 513-519.	3.9	13
26	Field Detection of Highly Oxygenated Organic Molecules in Shanghai by Chemical Ionization – Orbitrap. <i>Environmental Science &amp; Technology</i> , 2022, 56, 7608-7617.	4.6	11
27	Liquid-liquid phase separation reduces radiative absorption by aged black carbon aerosols. <i>Communications Earth &amp; Environment</i> , 2022, 3, .	2.6	16
28	Real-time single particle characterization of oxidized organic aerosols in the East China Sea. <i>Npj Climate and Atmospheric Science</i> , 2022, 5, .	2.6	4
29	Polycyclic aromatic hydrocarbons (PAHs) in gas, PM2.5, and frost samples in a severely polluted rural site of the North China Plain: Distribution, source, and risk assessment. <i>Science of the Total Environment</i> , 2022, 844, 156919.	3.9	11
30	Characterizing Atmospheric Brown Carbon and Its Emission Sources during Wintertime in Shanghai, China. <i>Atmosphere</i> , 2022, 13, 991.	1.0	7
31	Spatiotemporal variation, source and secondary transformation potential of volatile organic compounds (VOCs) during the winter days in Shanghai, China. <i>Atmospheric Environment</i> , 2022, 286, 119203.	1.9	11
32	Nano-Al2O3 particles affect gut microbiome and resistome in an in vitro simulator of the human colon microbial ecosystem. <i>Journal of Hazardous Materials</i> , 2022, 439, 129513.	6.5	4
33	Metals, PAHs and oxidative potential of size-segregated particulate matter and inhalational carcinogenic risk of cooking at a typical university canteen in Shanghai, China. <i>Atmospheric Environment</i> , 2022, 287, 119250.	1.9	4
34	Size distributions of particle-generated hydroxyl radical ( $\dot{\text{A}}\text{OH}$ ) in surrogate lung fluid (SLF) solution and their potential sources. <i>Environmental Pollution</i> , 2021, 268, 115582.	3.7	11
35	On-site analysis of COVID-19 on the surfaces in wards. <i>Science of the Total Environment</i> , 2021, 753, 141758.	3.9	16
36	Diverse bacterial populations of PM2.5 in urban and suburb Shanghai, China. <i>Frontiers of Environmental Science and Engineering</i> , 2021, 15, 1.	3.3	12

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37	Nitrous acid emission from open burning of major crop residues in mainland China. <i>Atmospheric Environment</i> , 2021, 244, 117950.	1.9	11
38	Increased new particle yields with largely decreased probability of survival to CCN size at the summit of Mt. Tai under reduced SO <sub>2</sub> and NO <sub>x</sub> emissions. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 1305-1323.	1.9	8
39	Fuel Aromaticity Promotes Low-Temperature Nucleation Processes of Elemental Carbon from Biomass and Coal Combustion. <i>Environmental Science &amp; Technology</i> , 2021, 55, 2532-2540.	4.6	17
40	A semicontinuous study on the ecotoxicity of atmospheric particles using a versatile aerosol concentration enrichment system (VACES): development and field characterization. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 1037-1045.	1.2	5
41	Direct Observation of Sulfate Explosive Growth in Wet Plumes Emitted From Typical Coal-Fired Stationary Sources. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL092071.	1.5	17
42	Magnetic Particles Unintentionally Emitted from Anthropogenic Sources: Iron and Steel Plants. <i>Environmental Science and Technology Letters</i> , 2021, 8, 295-300.	3.9	15
43	Chemical Fingerprinting of HULIS in Particulate Matters Emitted from Residential Coal and Biomass Combustion. <i>Environmental Science &amp; Technology</i> , 2021, 55, 3593-3603.	4.6	41
44	Intermediate Volatile Organic Compound Emissions from Residential Solid Fuel Combustion Based on Field Measurements in Rural China. <i>Environmental Science &amp; Technology</i> , 2021, 55, 5689-5700.	4.6	39
45	Characterizing Black Carbon and Gaseous Pollutants on the Yangtze River Across Eastern China Continent. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033488.	1.2	1
46	Ice-Nucleating Particle Concentrations and Sources in Rainwater Over the Third Pole, Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033864.	1.2	0
47	Spatially explicit analysis identifies significant potential for bioenergy with carbon capture and storage in China. <i>Nature Communications</i> , 2021, 12, 3159.	5.8	58
48	Molecular composition and optical property of humic-like substances (HULIS) in winter-time PM <sub>2.5</sub> in the rural area of North China Plain. <i>Atmospheric Environment</i> , 2021, 252, 118316.	1.9	18
49	Particle-Phase Photoreactions of HULIS and TMs Establish a Strong Source of H <sub>2</sub> O <sub>2</sub> and Particulate Sulfate in the Winter North China Plain. <i>Environmental Science &amp; Technology</i> , 2021, 55, 7818-7830.	4.6	24
50	Extreme Exposure Levels of PCDD/Fs Inhaled from Biomass Burning Activity for Cooking in Typical Rural Households. <i>Environmental Science &amp; Technology</i> , 2021, 55, 7299-7306.	4.6	14
51	Performance comparison of SMPSs with soft X-ray and Kr-85 neutralizers in a humid atmosphere. <i>Journal of Aerosol Science</i> , 2021, 154, 105756.	1.8	3
52	Modeled changes in source contributions of particulate matter during the COVID-19 pandemic in the Yangtze River Delta, China. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 7343-7355.	1.9	23
53	Toxicity Assessment of Nano-ZnO Exposure on the Human Intestinal Microbiome, Metabolic Functions, and Resistome Using an In Vitro Colon Simulator. <i>Environmental Science &amp; Technology</i> , 2021, 55, 6884-6896.	4.6	24
54	Substantial changes in gaseous pollutants and chemical compositions in fine particles in the North China Plain during the COVID-19 lockdown period: anthropogenic vs. meteorological influences. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 8677-8692.	1.9	22

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55	High Pressure Inside Nanometer-Sized Particles Influences the Rate and Products of Chemical Reactions. <i>Environmental Science &amp; Technology</i> , 2021, 55, 7786-7793.	4.6	12
56	Atmospheric Nitrate Formation through Oxidation by Carbonate Radical. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 1801-1811.	1.2	5
57	Characterization of a Kanomax <sup>®</sup> fast condensation particle counter in the sub-10 nm range. <i>Journal of Aerosol Science</i> , 2021, 155, 105772.	1.8	8
58	PM <sub>1.0</sub> -Nitrite Heterogeneous Formation Demonstrated via a Modified Versatile Aerosol Concentration Enrichment System Coupled with Ion Chromatography. <i>Environmental Science &amp; Technology</i> , 2021, 55, 9794-9804.	4.6	6
59	Association of PM <sub>2.5</sub> with Insulin Resistance Signaling Pathways on a Microfluidic Liver <sup>®</sup> Kidney Microphysiological System (LK-MPS) Device. <i>Analytical Chemistry</i> , 2021, 93, 9835-9844.	3.2	5
60	Predicting the effect of confinement on the COVID-19 spread using machine learning enriched with satellite air pollution observations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	16
61	Atmospheric Hydrogen Peroxide (H <sub>2</sub> O <sub>2</sub> ) at the Foot and Summit of Mt. Tai: Variations, Sources and Sinks, and Implications for Ozone Formation Chemistry. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033975.	1.2	7
62	Measurement report: Biogenic volatile organic compound emission profiles of rapeseed leaf litter and its secondary organic aerosol formation potential. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 12613-12629.	1.9	4
63	Commodity plastic burning as a source of inhaled toxic aerosols. <i>Journal of Hazardous Materials</i> , 2021, 416, 125820.	6.5	39
64	Measurement report: Saccharide composition in atmospheric fine particulate matter during spring at the remote sites of southwest China and estimates of source contributions. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 12227-12241.	1.9	7
65	Halogens Enhance Haze Pollution in China. <i>Environmental Science &amp; Technology</i> , 2021, 55, 13625-13637.	4.6	22
66	The roles of aqueous-phase chemistry and photochemical oxidation in oxygenated organic aerosols formation. <i>Atmospheric Environment</i> , 2021, 266, 118738.	1.9	14
67	Fine particle pH and its influencing factors during summer at Mt. Tai: Comparison between mountain and urban sites. <i>Atmospheric Environment</i> , 2021, 261, 118607.	1.9	7
68	Compositions, sources, and potential health risks of volatile organic compounds in the heavily polluted rural North China Plain during the heating season. <i>Science of the Total Environment</i> , 2021, 789, 147956.	3.9	25
69	The decay of airborne bacteria and fungi in a constant temperature and humidity test chamber. <i>Environment International</i> , 2021, 157, 106816.	4.8	10
70	An unexpected large continental source of reactive bromine and chlorine with significant impact on wintertime air quality. <i>National Science Review</i> , 2021, 8, nwaa304.	4.6	42
71	Secondary Inorganic Ions Characteristics in PM <sub>2.5</sub> Along Offshore and Coastal Areas of the Megacity Shanghai. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD035139.	1.2	9
72	Photochemical Aging of Atmospheric Fine Particles as a Potential Source for Gas-Phase Hydrogen Peroxide. <i>Environmental Science &amp; Technology</i> , 2021, 55, 15063-15071.	4.6	8

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73	Winter ClNO <sub>2</sub> formation in the region of fresh anthropogenic emissions: seasonal variability and insights into daytime peaks in northern China. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 15985-16000.	1.9	8
74	Overlooked Significant Impact of Trace Metals on the Bacterial Community of PM <sub>2.5</sub> in High-Time Resolution. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD035408.	1.2	3
75	Measurement report: Molecular characteristics of cloud water in southern China and insights into aqueous-phase processes from Fourier transform ion cyclotron resonance mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 16631-16644.	1.9	11
76	Addressing Unresolved Complex Mixture of I/SVOCs Emitted From Incomplete Combustion of Solid Fuels by Nontarget Analysis. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD035835.	1.2	18
77	Satellite-based estimation of full-coverage ozone (O <sub>3</sub> ) concentration and health effect assessment across Hainan Island. <i>Journal of Cleaner Production</i> , 2020, 244, 118773.	4.6	54
78	Separation and quantification of imidazoles in atmospheric particles using LC-Orbitrap-MS. <i>Journal of Separation Science</i> , 2020, 43, 577-589.	1.3	17
79	Different formation mechanisms of PAH during wood and coal combustion under different temperatures. <i>Atmospheric Environment</i> , 2020, 222, 117084.	1.9	48
80	Klarite as a label-free SERS-based assay: a promising approach for atmospheric bioaerosol detection. <i>Analyst</i> , 2020, 145, 277-285.	1.7	26
81	Enhanced aqueous-phase formation of secondary organic aerosols due to the regional biomass burning over North China Plain. <i>Environmental Pollution</i> , 2020, 256, 113401.	3.7	30
82	Satellite-Based Estimates of Wet Ammonium (NH <sub>4</sub> -N) Deposition Fluxes Across China during 2011-2016 Using a Space-Time Ensemble Model. <i>Environmental Science &amp; Technology</i> , 2020, 54, 13419-13428.	4.6	8
83	Preface. <i>Journal of Environmental Sciences</i> , 2020, 95, 1.	3.2	0
84	Inorganic composition and occult deposition of frost collected under severe polluted area in winter in the North China Plain. <i>Science of the Total Environment</i> , 2020, 722, 137911.	3.9	5
85	Production Flux and Chemical Characteristics of Spray Aerosol Generated From Raindrop Impact on Seawater and Soil. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD032052.	1.2	3
86	Effects of cleaner ship fuels on air quality and implications for future policy: A case study of Chongming Ecological Island in China. <i>Journal of Cleaner Production</i> , 2020, 267, 122088.	4.6	23
87	Photochemical Oxidation of Water-Soluble Organic Carbon (WSOC) on Mineral Dust and Enhanced Organic Ammonium Formation. <i>Environmental Science &amp; Technology</i> , 2020, 54, 15631-15642.	4.6	14
88	Daily CO <sub>2</sub> Emission Reduction Indicates the Control of Activities to Contain COVID-19 in China. <i>Innovation(China)</i> , 2020, 1, 100062.	5.2	25
89	Chemical Characteristics and Brown Carbon Chromophores of Atmospheric Organic Aerosols Over the Yangtze River Channel: A Cruise Campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032497.	1.2	16
90	Gaseous and Particulate Chlorine Emissions From Typical Iron and Steel Industry in China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032729.	1.2	13

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91	Water/Methanol-Insoluble Brown Carbon Can Dominate Aerosol-Enhanced Light Absorption in Port Cities. <i>Environmental Science &amp; Technology</i> , 2020, 54, 14889-14898.	4.6	26
92	The pollution levels, variation characteristics, sources and implications of atmospheric carbonyls in a typical rural area of North China Plain during winter. <i>Journal of Environmental Sciences</i> , 2020, 95, 256-265.	3.2	15
93	Tris(2,4-di- <i>tert</i> -butylphenyl)phosphate: An Unexpected Abundant Toxic Pollutant Found in PM <sub>2.5</sub> . <i>Environmental Science &amp; Technology</i> , 2020, 54, 10570-10576.	4.6	39
94	Study of Secondary Organic Aerosol Formation from Chlorine Radical-Initiated Oxidation of Volatile Organic Compounds in a Polluted Atmosphere Using a 3D Chemical Transport Model. <i>Environmental Science &amp; Technology</i> , 2020, 54, 13409-13418.	4.6	24
95	A More Important Role for the Ozone-IV Oxidation Pathway Due to Decreasing Acidity in Clouds. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD033220.	1.2	15
96	HONO Budget and Its Role in Nitrate Formation in the Rural North China Plain. <i>Environmental Science &amp; Technology</i> , 2020, 54, 11048-11057.	4.6	74
97	Size-Resolved Mixing States and Sources of Amine-Containing Particles in the East China Sea. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD033162.	1.2	10
98	Detection of gaseous dimethylamine using vocus proton-transfer-reaction time-of-flight mass spectrometry. <i>Atmospheric Environment</i> , 2020, 243, 117875.	1.9	18
99	ROS-generation potential of Humic-like substances (HULIS) in ambient PM2.5 in urban Shanghai: Association with HULIS concentration and light absorbance. <i>Chemosphere</i> , 2020, 256, 127050.	4.2	26
100	Pollution levels, composition characteristics and sources of atmospheric PM2.5 in a rural area of the North China Plain during winter. <i>Journal of Environmental Sciences</i> , 2020, 95, 172-182.	3.2	22
101	Simultaneous determination of nine atmospheric amines and six inorganic ions by non-suppressed ion chromatography using acetonitrile and 18-crown-6 as eluent additive. <i>Journal of Chromatography A</i> , 2020, 1624, 461234.	1.8	11
102	Assessing the Effect of Reactive Oxygen Species and Volatile Organic Compound Profiles Coming from Certain Types of Chinese Cooking on the Toxicity of Human Bronchial Epithelial Cells. <i>Environmental Science &amp; Technology</i> , 2020, 54, 8868-8877.	4.6	30
103	Marine organic matter in the remote environment of the Cape Verde islands – an introduction and overview to the MarParCloud campaign. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 6921-6951.	1.9	21
104	Nocturnal PM2.5 explosive growth dominates severe haze in the rural North China Plain. <i>Atmospheric Research</i> , 2020, 242, 105020.	1.8	20
105	Increasing surface ozone and enhanced secondary organic carbon formation at a city junction site: An epitome of the Yangtze River Delta, China (2014–2017). <i>Environmental Pollution</i> , 2020, 265, 114847.	3.7	16
106	The characteristics of atmospheric brown carbon in Xi'an, inland China: sources, size distributions and optical properties. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 2017-2030.	1.9	47
107	Forward ultra-low emission for power plants via wet electrostatic precipitators and newly developed demisters: Filterable and condensable particulate matters. <i>Atmospheric Environment</i> , 2020, 225, 117372.	1.9	36
108	Significant impact of coal combustion on VOCs emissions in winter in a North China rural site. <i>Science of the Total Environment</i> , 2020, 720, 137617.	3.9	63

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109	Online measurement of carbonaceous aerosols in suburban Shanghai during winter over a three-year period: Temporal variations, meteorological effects, and sources. <i>Atmospheric Environment</i> , 2020, 226, 117408.	1.9	24
110	Non-agricultural sources dominate the atmospheric NH <sub>3</sub> in Xi'an, a megacity in the semi-arid region of China. <i>Science of the Total Environment</i> , 2020, 722, 137756.	3.9	50
111	Direct links between hygroscopicity and mixing state of ambient aerosols: estimating particle hygroscopicity from their single-particle mass spectra. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 6273-6290.	1.9	12
112	Sources and health risks of PM <sub>2.5</sub> -bound polychlorinated biphenyls (PCBs) and organochlorine pesticides (OCPs) in a North China rural area. <i>Journal of Environmental Sciences</i> , 2020, 95, 240-247.	3.2	17
113	Simulating the impacts of ship emissions on coastal air quality: Importance of a high-resolution emission inventory relative to cruise- and land-based observations. <i>Science of the Total Environment</i> , 2020, 728, 138454.	3.9	37
114	Complexation of Fe(III)/Catechols in atmospheric aqueous phase and the consequent cytotoxicity assessment in human bronchial epithelial cells (BEAS-2B). <i>Ecotoxicology and Environmental Safety</i> , 2020, 202, 110898.	2.9	10
115	Impact of quarantine measures on chemical compositions of PM <sub>2.5</sub> during the COVID-19 epidemic in Shanghai, China. <i>Science of the Total Environment</i> , 2020, 743, 140758.	3.9	87
116	Size-resolved chemical composition analysis of ions produced by a commercial soft X-ray aerosol neutralizer. <i>Journal of Aerosol Science</i> , 2020, 147, 105586.	1.8	11
117	Atmospheric Photosensitization: A New Pathway for Sulfate Formation. <i>Environmental Science &amp; Technology</i> , 2020, 54, 3114-3120.	4.6	65
118	Size-segregated characteristics of organic carbon (OC), elemental carbon (EC) and organic matter in particulate matter (PM) emitted from different types of ships in China. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 1549-1564.	1.9	24
119	Nitrated phenols and the phenolic precursors in the atmosphere in urban Jinan, China. <i>Science of the Total Environment</i> , 2020, 714, 136760.	3.9	48
120	Effects of aerosol pollution on PM <sub>2.5</sub> -associated bacteria in typical inland and coastal cities of northern China during the winter heating season. <i>Environmental Pollution</i> , 2020, 262, 114188.	3.7	61
121	Estimation of Secondary Organic Aerosol Formation During a Photochemical Smog Episode in Shanghai, China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD032033.	1.2	21
122	Molecular Characterization of Organosulfates in Highly Polluted Atmosphere Using Ultra-High-Resolution Mass Spectrometry. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD032253.	1.2	18
123	Characterization of particulate matter and its extinction ability during different seasons and weather conditions in Sinkiang, China: two case studies. <i>Environmental Science and Pollution Research</i> , 2020, 27, 22414-22422.	2.7	2
124	The evolution of cloud and aerosol microphysics at the summit of Mt. Tai, China. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 13735-13751.	1.9	10
125	Nitrate-dominated PM <sub>2.5</sub> and elevation of particle pH observed in urban Beijing during the winter of 2017. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 5019-5033.	1.9	70
126	Importance of gas-particle partitioning of ammonia in haze formation in the rural agricultural environment. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 7259-7269.	1.9	31



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127	Oxygenated products formed from OH-initiated reactions of trimethylbenzene: autoxidation and accretion. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 9563-9579.	1.9	29
128	Development of an automatic linear calibration method for high-resolution single-particle mass spectrometry: improved chemical species identification for atmospheric aerosols. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 4111-4121.	1.2	6
129	Air pollution characteristics in China during 2015–2016: Spatiotemporal variations and key meteorological factors. <i>Science of the Total Environment</i> , 2019, 648, 902-915.	3.9	188
130	Unexpectedly Increased Particle Emissions from the Steel Industry Determined by Wet/Semidry/Dry Flue Gas Desulfurization Technologies. <i>Environmental Science &amp; Technology</i> , 2019, 53, 10361-10370.	4.6	39
131	Dark air–liquid interfacial chemistry of glyoxal and hydrogen peroxide. <i>Npj Climate and Atmospheric Science</i> , 2019, 2, .	2.6	18
132	Chemistry-triggered events of PM <sub>2.5</sub> explosive growth during late autumn and winter in Shanghai, China. <i>Environmental Pollution</i> , 2019, 254, 112864.	3.7	44
133	Evolution of aqSOA from the Air–Liquid Interfacial Photochemistry of Glyoxal and Hydroxyl Radicals. <i>Environmental Science &amp; Technology</i> , 2019, 53, 10236-10245.	4.6	28
134	Enhanced heterogeneous uptake of sulfur dioxide on mineral particles through modification of iron speciation during simulated cloud processing. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 12569-12585.	1.9	18
135	Size-segregated water-soluble N-bearing species in the land-sea boundary zone of East China. <i>Atmospheric Environment</i> , 2019, 218, 116990.	1.9	2
136	Abundant NH <sub>3</sub> in China Enhances Atmospheric HONO Production by Promoting the Heterogeneous Reaction of SO <sub>2</sub> with NO <sub>2</sub> . <i>Environmental Science &amp; Technology</i> , 2019, 53, 14339-14347.	4.6	73
137	Pollutants emitted from typical Chinese vessels: Potential contributions to ozone and secondary organic aerosols. <i>Journal of Cleaner Production</i> , 2019, 238, 117862.	4.6	27
138	Sub-lethal concentrations of heavy metals induce antibiotic resistance via mutagenesis. <i>Journal of Hazardous Materials</i> , 2019, 369, 9-16.	6.5	89
139	The effect and mechanism of urban fine particulate matter (PM <sub>2.5</sub> ) on horizontal transfer of plasmid-mediated antimicrobial resistance genes. <i>Science of the Total Environment</i> , 2019, 683, 116-123.	3.9	35
140	Characteristics of fine particle explosive growth events in Beijing, China: Seasonal variation, chemical evolution pattern and formation mechanism. <i>Science of the Total Environment</i> , 2019, 687, 1073-1086.	3.9	61
141	Excitation-emission matrix fluorescence, molecular characterization and compound-specific stable carbon isotopic composition of dissolved organic matter in cloud water over Mt. Tai. <i>Atmospheric Environment</i> , 2019, 213, 608-619.	1.9	25
142	Formation features of nitrous acid in the offshore area of the East China Sea. <i>Science of the Total Environment</i> , 2019, 682, 138-150.	3.9	25
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146	Size distribution and chemical composition of primary particles emitted during open biomass burning processes: Impacts on cloud condensation nuclei activation. <i>Science of the Total Environment</i> , 2019, 674, 179-188.	3.9	20
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150	<i>In situ</i> remediation of subsurface contamination: opportunities and challenges for nanotechnology and advanced materials. <i>Environmental Science: Nano</i> , 2019, 6, 1283-1302.	2.2	65
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153	Nitrite-Mediated Photooxidation of Vanillin in the Atmospheric Aqueous Phase. <i>Environmental Science &amp; Technology</i> , 2019, 53, 14253-14263.	4.6	55
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157	A method for particulate matter 2.5 (PM <sub>2.5</sub> ) biotoxicity assay using luminescent bacterium. <i>Ecotoxicology and Environmental Safety</i> , 2019, 170, 796-803.	2.9	9
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160	Profile of inhalable bacteria in PM <sub>2.5</sub> at Mt. Tai, China: Abundance, community, and influence of air mass trajectories. <i>Ecotoxicology and Environmental Safety</i> , 2019, 168, 110-119.	2.9	31
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173	A novel process for obtaining high quality cellulose acetate from green landscaping waste. <i>Journal of Cleaner Production</i> , 2018, 176, 338-347.	4.6	31
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177	Optimizing xylose production from pinewood sawdust through dilute-phosphoric-acid hydrolysis by response surface methodology. <i>Journal of Cleaner Production</i> , 2018, 178, 572-579.	4.6	41
178	Key Role of Nitrate in Phase Transitions of Urban Particles: Implications of Important Reactive Surfaces for Secondary Aerosol Formation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 1234-1243.	1.2	81
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209	Molecular distributions of dicarboxylic acids, oxocarboxylic acids and $\alpha$ -dicarbonyls in PM <sub>2.5</sub> collected at the top of Mt. Tai, North China, during the wheat burning season of 2014. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 10741-10758.	1.9	27
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224	Investigation of diverse bacteria in cloud water at Mt. Tai, China. <i>Science of the Total Environment</i> , 2017, 580, 258-265.	3.9	37
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