

Jianmin Chen

List of Publications by Year in descending order

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510
papers

26,378
citations

7568

77
h-index

15266

126
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638
all docs

638
docs citations

638
times ranked

21039
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.	6.1	14
2	A critical review of sulfate aerosol formation mechanisms during winter polluted periods. <i>Journal of Environmental Sciences</i> , 2023, 123, 387-399.	6.1	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.	1.6	17
4	Application of smog chambers in atmospheric process studies. <i>National Science Review</i> , 2022, 9, nwab103.	9.5	21
5	<i>p</i> -Phenylenediamine Antioxidants in PM _{2.5} : The Underestimated Urban Air Pollutants. <i>Environmental Science & Technology</i> , 2022, 56, 6914-6921.	10.0	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.	6.1	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.	8.0	4
8	Source apportionment of PM _{2.5} during haze episodes in Shanghai by the PMF model with PAHs. <i>Journal of Cleaner Production</i> , 2022, 330, 129850.	9.3	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.	12.4	9
10	Toxic potency-adjusted control of air pollution for solid fuel combustion. <i>Nature Energy</i> , 2022, 7, 194-202.	39.5	59
11	Absorption Enhancement of Black Carbon Aerosols Constrained by Mixing-State Heterogeneity. <i>Environmental Science & Technology</i> , 2022, 56, 1586-1593.	10.0	18
12	Connecting the Oxidative Potential of Fractionated Particulate Matter With Chromophoric Substances. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	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 & Technology</i> , 2022, 56, 2551-2561.	10.0	15
14	Significant impactor sampling artifacts of ammonium, nitrate, and organic acids. <i>Atmospheric Environment</i> , 2022, 274, 118985.	4.1	2
15	Regional Transport of PM _{2.5} and O ₃ 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, .	3.3	5
16	Photodissociation of particulate nitrate as a source of daytime tropospheric Cl ₂ . <i>Nature Communications</i> , 2022, 13, 939.	12.8	26
17	Characterization of peroxyacetyl nitrate (PAN) under different PM _{2.5} concentration in wintertime at a North China rural site. <i>Journal of Environmental Sciences</i> , 2022, 114, 221-232.	6.1	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.	8.7	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.	4.9	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.	8.0	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.	8.0	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.	8.0	4
23	Formation of Secondary Nitroaromatic Compounds in Polluted Urban Environments. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	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.	8.0	5
25	Constraining Microplastic Particle Emission Flux from the Ocean. <i>Environmental Science and Technology Letters</i> , 2022, 9, 513-519.	8.7	13
26	Field Detection of Highly Oxygenated Organic Molecules in Shanghai by Chemical Ionization – Orbitrap. <i>Environmental Science & Technology</i> , 2022, 56, 7608-7617.	10.0	11
27	Liquid-liquid phase separation reduces radiative absorption by aged black carbon aerosols. <i>Communications Earth & Environment</i> , 2022, 3, .	6.8	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, .	6.8	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.	8.0	11
30	Characterizing Atmospheric Brown Carbon and Its Emission Sources during Wintertime in Shanghai, China. <i>Atmosphere</i> , 2022, 13, 991.	2.3	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.	4.1	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.	12.4	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.	4.1	4
34	Size distributions of particle-generated hydroxyl radical ($\cdot\text{OH}$) in surrogate lung fluid (SLF) solution and their potential sources. <i>Environmental Pollution</i> , 2021, 268, 115582.	7.5	11
35	On-site analysis of COVID-19 on the surfaces in wards. <i>Science of the Total Environment</i> , 2021, 753, 141758.	8.0	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.	6.0	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.	4.1	11
38	Increased new particle yields with largely decreased probability of survival to CCN size at the summit of Mt. Tai under reduced SO ₂ and NO _x emissions. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 1305-1323.	4.9	8
39	Fuel Aromaticity Promotes Low-Temperature Nucleation Processes of Elemental Carbon from Biomass and Coal Combustion. <i>Environmental Science & Technology</i> , 2021, 55, 2532-2540.	10.0	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.	3.1	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.	4.0	17
42	Magnetic Particles Unintentionally Emitted from Anthropogenic Sources: Iron and Steel Plants. <i>Environmental Science and Technology Letters</i> , 2021, 8, 295-300.	8.7	15
43	Chemical Fingerprinting of HULIS in Particulate Matters Emitted from Residential Coal and Biomass Combustion. <i>Environmental Science & Technology</i> , 2021, 55, 3593-3603.	10.0	41
44	Intermediate Volatile Organic Compound Emissions from Residential Solid Fuel Combustion Based on Field Measurements in Rural China. <i>Environmental Science & Technology</i> , 2021, 55, 5689-5700.	10.0	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.	3.3	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.	3.3	0
47	Spatially explicit analysis identifies significant potential for bioenergy with carbon capture and storage in China. <i>Nature Communications</i> , 2021, 12, 3159.	12.8	58
48	Molecular composition and optical property of humic-like substances (HULIS) in winter-time PM _{2.5} in the rural area of North China Plain. <i>Atmospheric Environment</i> , 2021, 252, 118316.	4.1	18
49	Particle-Phase Photoreactions of HULIS and TMs Establish a Strong Source of H ₂ O ₂ and Particulate Sulfate in the Winter North China Plain. <i>Environmental Science & Technology</i> , 2021, 55, 7818-7830.	10.0	24
50	Extreme Exposure Levels of PCDD/Fs Inhaled from Biomass Burning Activity for Cooking in Typical Rural Households. <i>Environmental Science & Technology</i> , 2021, 55, 7299-7306.	10.0	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.	3.8	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.	4.9	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 & Technology</i> , 2021, 55, 6884-6896.	10.0	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.	4.9	22

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55	High Pressure Inside Nanometer-Sized Particles Influences the Rate and Products of Chemical Reactions. Environmental Science & Technology, 2021, 55, 7786-7793.	10.0	12
56	Atmospheric Nitrate Formation through Oxidation by Carbonate Radical. ACS Earth and Space Chemistry, 2021, 5, 1801-1811.	2.7	5
57	Characterization of a Kanomax® fast condensation particle counter in the sub-10 nm range. Journal of Aerosol Science, 2021, 155, 105772.	3.8	8
58	PM _{1.0} -Nitrite Heterogeneous Formation Demonstrated via a Modified Versatile Aerosol Concentration Enrichment System Coupled with Ion Chromatography. Environmental Science & Technology, 2021, 55, 9794-9804.	10.0	6
59	Association of PM _{2.5} with Insulin Resistance Signaling Pathways on a Microfluidic Liver-Kidney Microphysiological System (LK-MPS) Device. Analytical Chemistry, 2021, 93, 9835-9844.	6.5	5
60	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, .	7.1	16
61	Atmospheric Hydrogen Peroxide (H ₂ O ₂) at the Foot and Summit of Mt. Tai: Variations, Sources and Sinks, and Implications for Ozone Formation Chemistry. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033975.	3.3	7
62	Measurement report: Biogenic volatile organic compound emission profiles of rapeseed leaf litter and its secondary organic aerosol formation potential. Atmospheric Chemistry and Physics, 2021, 21, 12613-12629.	4.9	4
63	Commodity plastic burning as a source of inhaled toxic aerosols. Journal of Hazardous Materials, 2021, 416, 125820.	12.4	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. Atmospheric Chemistry and Physics, 2021, 21, 12227-12241.	4.9	7
65	Halogens Enhance Haze Pollution in China. Environmental Science & Technology, 2021, 55, 13625-13637.	10.0	22
66	The roles of aqueous-phase chemistry and photochemical oxidation in oxygenated organic aerosols formation. Atmospheric Environment, 2021, 266, 118738.	4.1	14
67	Fine particle pH and its influencing factors during summer at Mt. Tai: Comparison between mountain and urban sites. Atmospheric Environment, 2021, 261, 118607.	4.1	7
68	Compositions, sources, and potential health risks of volatile organic compounds in the heavily polluted rural North China Plain during the heating season. Science of the Total Environment, 2021, 789, 147956.	8.0	25
69	The decay of airborne bacteria and fungi in a constant temperature and humidity test chamber. Environment International, 2021, 157, 106816.	10.0	10
70	An unexpected large continental source of reactive bromine and chlorine with significant impact on wintertime air quality. National Science Review, 2021, 8, nwaa304.	9.5	42
71	Secondary Inorganic Ions Characteristics in PM _{2.5} Along Offshore and Coastal Areas of the Megacity Shanghai. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD035139.	3.3	9
72	Photochemical Aging of Atmospheric Fine Particles as a Potential Source for Gas-Phase Hydrogen Peroxide. Environmental Science & Technology, 2021, 55, 15063-15071.	10.0	8

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73	Winter ClONO ₂ and HNO ₃ formation in the region of fresh anthropogenic emissions: seasonal variability and insights into daytime peaks in northern China. Atmospheric Chemistry and Physics, 2021, 21, 15985-16000.	4.9	8
74	Overlooked Significant Impact of Trace Metals on the Bacterial Community of PM _{2.5} in High-Time Resolution. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD035408.	3.3	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. Atmospheric Chemistry and Physics, 2021, 21, 16631-16644.	4.9	11
76	Addressing Unresolved Complex Mixture of I/SVOCs Emitted From Incomplete Combustion of Solid Fuels by Nontarget Analysis. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD035835.	3.3	18
77	Satellite-based estimation of full-coverage ozone (O ₃) concentration and health effect assessment across Hainan Island. Journal of Cleaner Production, 2020, 244, 118773.	9.3	54
78	Separation and quantification of imidazoles in atmospheric particles using LC-Orbitrap-MS. Journal of Separation Science, 2020, 43, 577-589.	2.5	17
79	Different formation mechanisms of PAH during wood and coal combustion under different temperatures. Atmospheric Environment, 2020, 222, 117084.	4.1	48
80	Klarite as a label-free SERS-based assay: a promising approach for atmospheric bioaerosol detection. Analyst, The, 2020, 145, 277-285.	3.5	26
81	Enhanced aqueous-phase formation of secondary organic aerosols due to the regional biomass burning over North China Plain. Environmental Pollution, 2020, 256, 113401.	7.5	30
82	Satellite-Based Estimates of Wet Ammonium (NH ₄ -N) Deposition Fluxes Across China during 2011-2016 Using a Space-Time Ensemble Model. Environmental Science & Technology, 2020, 54, 13419-13428.	10.0	8
83	Preface. Journal of Environmental Sciences, 2020, 95, 1.	6.1	0
84	Inorganic composition and occult deposition of frost collected under severe polluted area in winter in the North China Plain. Science of the Total Environment, 2020, 722, 137911.	8.0	5
85	Production Flux and Chemical Characteristics of Spray Aerosol Generated From Raindrop Impact on Seawater and Soil. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD032052.	3.3	3
86	Effects of cleaner ship fuels on air quality and implications for future policy: A case study of Chongming Ecological Island in China. Journal of Cleaner Production, 2020, 267, 122088.	9.3	23
87	Photochemical Oxidation of Water-Soluble Organic Carbon (WSOC) on Mineral Dust and Enhanced Organic Ammonium Formation. Environmental Science & Technology, 2020, 54, 15631-15642.	10.0	14
88	Daily CO ₂ Emission Reduction Indicates the Control of Activities to Contain COVID-19 in China. Innovation(China), 2020, 1, 100062.	9.1	25
89	Chemical Characteristics and Brown Carbon Chromophores of Atmospheric Organic Aerosols Over the Yangtze River Channel: A Cruise Campaign. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032497.	3.3	16
90	Gaseous and Particulate Chlorine Emissions From Typical Iron and Steel Industry in China. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032729.	3.3	13

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91	Water/Methanol-Insoluble Brown Carbon Can Dominate Aerosol-Enhanced Light Absorption in Port Cities. <i>Environmental Science & Technology</i> , 2020, 54, 14889-14898.	10.0	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.	6.1	15
93	Tris(2,4-di- <i>tert</i> -butylphenyl)phosphate: An Unexpected Abundant Toxic Pollutant Found in PM _{2.5} . <i>Environmental Science & Technology</i> , 2020, 54, 10570-10576.	10.0	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 & Technology</i> , 2020, 54, 13409-13418.	10.0	24
95	A More Important Role for the Ozoneâ€(IV) Oxidation Pathway Due to Decreasing Acidity in Clouds. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD033220.	3.3	15
96	HONO Budget and Its Role in Nitrate Formation in the Rural North China Plain. <i>Environmental Science & Technology</i> , 2020, 54, 11048-11057.	10.0	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.	3.3	10
98	Detection of gaseous dimethylamine using vocus proton-transfer-reaction time-of-flight mass spectrometry. <i>Atmospheric Environment</i> , 2020, 243, 117875.	4.1	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.	8.2	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.	6.1	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.	3.7	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 & Technology</i> , 2020, 54, 8868-8877.	10.0	30
103	Marine organic matter in the remote environment of the Cape Verde islands â€“ an introduction and overview to the MarParCloud campaign. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 6921-6951.	4.9	21
104	Nocturnal PM2.5 explosive growth dominates severe haze in the rural North China Plain. <i>Atmospheric Research</i> , 2020, 242, 105020.	4.1	20
105	Increasing surface ozone and enhanced secondary organic carbon formation at a city junction site: An epitome of the Yangtze River Delta, China (2014â€“2017). <i>Environmental Pollution</i> , 2020, 265, 114847.	7.5	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.	4.9	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.	4.1	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.	8.0	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.	4.1	24
110	Non-agricultural sources dominate the atmospheric NH ₃ in Xi'an, a megacity in the semi-arid region of China. <i>Science of the Total Environment</i> , 2020, 722, 137756.	8.0	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.	4.9	12
112	Sources and health risks of PM _{2.5} -bound polychlorinated biphenyls (PCBs) and organochlorine pesticides (OCPs) in a North China rural area. <i>Journal of Environmental Sciences</i> , 2020, 95, 240-247.	6.1	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.	8.0	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.	6.0	10
115	Impact of quarantine measures on chemical compositions of PM _{2.5} during the COVID-19 epidemic in Shanghai, China. <i>Science of the Total Environment</i> , 2020, 743, 140758.	8.0	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.	3.8	11
117	Atmospheric Photosensitization: A New Pathway for Sulfate Formation. <i>Environmental Science & Technology</i> , 2020, 54, 3114-3120.	10.0	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.	4.9	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.	8.0	48
120	Effects of aerosol pollution on PM _{2.5} -associated bacteria in typical inland and coastal cities of northern China during the winter heating season. <i>Environmental Pollution</i> , 2020, 262, 114188.	7.5	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.	3.3	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.	3.3	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.	5.3	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.	4.9	10
125	Nitrate-dominated PM _{2.5} and elevation of particle pH observed in urban Beijing during the winter of 2017. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 5019-5033.	4.9	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.	4.9	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.	4.9	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.	3.1	6
129	Air pollution characteristics in China during 2015â€“2016: Spatiotemporal variations and key meteorological factors. <i>Science of the Total Environment</i> , 2019, 648, 902-915.	8.0	188
130	Unexpectedly Increased Particle Emissions from the Steel Industry Determined by Wet/Semidry/Dry Flue Gas Desulfurization Technologies. <i>Environmental Science & Technology</i> , 2019, 53, 10361-10370.	10.0	39
131	Dark airâ€™liquid interfacial chemistry of glyoxal and hydrogen peroxide. <i>Npj Climate and Atmospheric Science</i> , 2019, 2, .	6.8	18
132	Chemistry-triggered events of PM _{2.5} explosive growth during late autumn and winter in Shanghai, China. <i>Environmental Pollution</i> , 2019, 254, 112864.	7.5	44
133	Evolution of aqSOA from the Airâ€™Liquid Interfacial Photochemistry of Glyoxal and Hydroxyl Radicals. <i>Environmental Science & Technology</i> , 2019, 53, 10236-10245.	10.0	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.	4.9	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.	4.1	2
136	Abundant NH ₃ in China Enhances Atmospheric HONO Production by Promoting the Heterogeneous Reaction of SO ₂ with NO ₂ . <i>Environmental Science & Technology</i> , 2019, 53, 14339-14347.	10.0	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.	9.3	27
138	Sub-lethal concentrations of heavy metals induce antibiotic resistance via mutagenesis. <i>Journal of Hazardous Materials</i> , 2019, 369, 9-16.	12.4	89
139	The effect and mechanism of urban fine particulate matter (PM _{2.5}) on horizontal transfer of plasmid-mediated antimicrobial resistance genes. <i>Science of the Total Environment</i> , 2019, 683, 116-123.	8.0	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.	8.0	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.	4.1	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.	8.0	25
143	Contribution of transregional transport to particle pollution and health effects in Shanghai during 2013â€“2017. <i>Science of the Total Environment</i> , 2019, 677, 564-570.	8.0	19
144	Impacts of six potential HONO sources on HOx budgets and SOA formation during a wintertime heavy haze period in the North China Plain. <i>Science of the Total Environment</i> , 2019, 681, 110-123.	8.0	40

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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.	8.0	20
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156	Emission factors and environmental implication of organic pollutants in PM emitted from various vessels in China. <i>Atmospheric Environment</i> , 2019, 200, 302-311.	4.1	40
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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.	9.3	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.	9.3	41
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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.	8.0	37
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