

Jianmin Chen

List of Publications by Citations

Source: <https://exaly.com/author-pdf/411254/jianmin-chen-publications-by-citations.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

508
papers

18,801
citations

68
h-index

109
g-index

637
ext. papers

22,713
ext. citations

7.5
avg, IF

7
L-index

#	Paper	IF	Citations
508	A review of biomass burning: Emissions and impacts on air quality, health and climate in China. <i>Science of the Total Environment</i> , 2017 , 579, 1000-1034	10.2	551
507	Hydrothermal Liquefaction of Macroalgae <i>Enteromorpha prolifera</i> to Bio-oil. <i>Energy & Fuels</i> , 2010 , 24, 4054-4061	4.1	421
506	The ion chemistry, seasonal cycle, and sources of PM _{2.5} and TSP aerosol in Shanghai. <i>Atmospheric Environment</i> , 2006 , 40, 2935-2952	5.3	399
505	Photocatalytic degradation of RhB by fluorinated Bi ₂ WO ₆ and distributions of the intermediate products. <i>Environmental Science & Technology</i> , 2008 , 42, 2085-91	10.3	321
504	Atmospheric new particle formation from sulfuric acid and amines in a Chinese megacity. <i>Science</i> , 2018 , 361, 278-281	33.3	265
503	Atmospheric chemistry of oxygenated volatile organic compounds: impacts on air quality and climate. <i>Chemical Reviews</i> , 2015 , 115, 3984-4014	68.1	258
502	Particulate Matter Exposure and Stress Hormone Levels: A Randomized, Double-Blind, Crossover Trial of Air Purification. <i>Circulation</i> , 2017 , 136, 618-627	16.7	254
501	Preparation of magnetic porous carbon from waste hydrochar by simultaneous activation and magnetization for tetracycline removal. <i>Bioresource Technology</i> , 2014 , 154, 209-14	11	252
500	Macroalgae for biofuels production: Progress and perspectives. <i>Renewable and Sustainable Energy Reviews</i> , 2015 , 47, 427-437	16.2	219
499	A lead isotope record of shanghai atmospheric lead emissions in total suspended particles during the period of phasing out of leaded gasoline. <i>Atmospheric Environment</i> , 2005 , 39, 1245-1253	5.3	219
498	Controllable and repeatable synthesis of thermally stable anatase nanocrystal-silica composites with highly ordered hexagonal mesostructures. <i>Journal of the American Chemical Society</i> , 2007 , 129, 13894-904 ²¹⁶	16.4	216
497	Insights into summertime haze pollution events over Shanghai based on online water-soluble ionic composition of aerosols. <i>Atmospheric Environment</i> , 2011 , 45, 5131-5137	5.3	203
496	Mechanism of poisoning of the V ₂ O ₅ /TiO ₂ catalyst for the reduction of NO by NH ₃ . <i>Journal of Catalysis</i> , 1990 , 125, 411-420	7.3	198
495	A novel porous carbon derived from hydrothermal carbon for efficient adsorption of tetracycline. <i>Carbon</i> , 2014 , 77, 627-636	10.4	197
494	Formation, features and controlling strategies of severe haze-fog pollutions in China. <i>Science of the Total Environment</i> , 2017 , 578, 121-138	10.2	190
493	Subinhibitory Concentrations of Disinfectants Promote the Horizontal Transfer of Multidrug Resistance Genes within and across Genera. <i>Environmental Science & Technology</i> , 2017 , 51, 570-580	10.3	181
492	Heterogeneous Uptake and Oxidation of SO ₂ on Iron Oxides. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 6077-6085	3.8	172

491	A review of single aerosol particle studies in the atmosphere of East Asia: morphology, mixing state, source, and heterogeneous reactions. <i>Journal of Cleaner Production</i> , 2016 , 112, 1330-1349	10.3	166
490	A laboratory study of agricultural crop residue combustion in China: Emission factors and emission inventory. <i>Atmospheric Environment</i> , 2008 , 42, 8432-8441	5.3	163
489	Particle size distribution and polycyclic aromatic hydrocarbons emissions from agricultural crop residue burning. <i>Environmental Science & Technology</i> , 2011 , 45, 5477-82	10.3	160
488	Heterogeneous reactions of methylglyoxal in acidic media: implications for secondary organic aerosol formation. <i>Environmental Science & Technology</i> , 2006 , 40, 7682-7	10.3	156
487	Molecular characterization of urban organic aerosol in tropical India: contributions of primary emissions and secondary photooxidation. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 2663-2689	6.8	151
486	Hydrothermal liquefaction of agricultural and forestry wastes: state-of-the-art review and future prospects. <i>Bioresource Technology</i> , 2017 , 245, 1184-1193	11	147
485	Sub-inhibitory concentrations of heavy metals facilitate the horizontal transfer of plasmid-mediated antibiotic resistance genes in water environment. <i>Environmental Pollution</i> , 2018 , 237, 74-82	9.3	143
484	Synchronous role of coupled adsorption and photocatalytic oxidation on ordered mesoporous anatase TiO ₂ /BiO ₂ nanocomposites generating excellent degradation activity of RhB dye. <i>Applied Catalysis B: Environmental</i> , 2010 , 95, 197-207	21.8	137
483	Significant increase of summertime ozone at Mount Tai in Central Eastern China. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 10637-10650	6.8	132
482	Air pollution-aerosol interactions produce more bioavailable iron for ocean ecosystems. <i>Science Advances</i> , 2017 , 3, e1601749	14.3	128
481	Facile fabrication of magnetic carbon composites from hydrochar via simultaneous activation and magnetization for triclosan adsorption. <i>Environmental Science & Technology</i> , 2014 , 48, 5840-8	10.3	119
480	Strong atmospheric new particle formation in winter in urban Shanghai, China. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 1769-1781	6.8	116
479	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	10.2	115
478	Diurnal variations of organic molecular tracers and stable carbon isotopic composition in atmospheric aerosols over Mt. Tai in the North China Plain: an influence of biomass burning. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 8359-8375	6.8	112
477	Characteristics of trace elements and lead isotope ratios in PM(2.5) from four sites in Shanghai. <i>Journal of Hazardous Materials</i> , 2008 , 156, 36-43	12.8	112
476	Heterogeneous reactions of sulfur dioxide on typical mineral particles. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 12588-96	3.4	110
475	Megacity impacts on regional ozone formation: observations and WRF-Chem modeling for the MIRAGE-Shanghai field campaign. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 5655-5669	6.8	109
474	Novel and High-Performance Magnetic Carbon Composite Prepared from Waste Hydrochar for Dye Removal. <i>ACS Sustainable Chemistry and Engineering</i> , 2014 , 2, 969-977	8.3	106

473	Source apportionment of lead-containing aerosol particles in Shanghai using single particle mass spectrometry. <i>Chemosphere</i> , 2009 , 74, 501-7	8.4	104
472	A parameterization of low visibilities for hazy days in the North China Plain. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 4935-4950	6.8	102
471	Spatial and temporal variation of particulate matter and gaseous pollutants in China during 2014-2016. <i>Atmospheric Environment</i> , 2017 , 161, 235-246	5.3	101
470	Liquefaction of Macroalgae <i>Enteromorpha prolifera</i> in Sub-/Supercritical Alcohols: Direct Production of Ester Compounds. <i>Energy & Fuels</i> , 2012 , 26, 2342-2351	4.1	100
469	An estimation of CO ₂ emission via agricultural crop residue open field burning in China from 1996 to 2013. <i>Journal of Cleaner Production</i> , 2016 , 112, 2625-2631	10.3	99
468	A study of aerosol liquid water content based on hygroscopicity measurements at high relative humidity in the North China Plain. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 6417-6426	6.8	97
467	Size-resolved and bulk activation properties of aerosols in the North China Plain. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 3835-3846	6.8	95
466	Chemical composition of PM _{2.5} and meteorological impact among three years in urban Shanghai, China. <i>Journal of Cleaner Production</i> , 2016 , 112, 1302-1311	10.3	91
465	Single particle mass spectrometry of oxalic acid in ambient aerosols in Shanghai: Mixing state and formation mechanism. <i>Atmospheric Environment</i> , 2009 , 43, 3876-3882	5.3	91
464	Fabrication, characterization, and stability of supported single-atom catalysts. <i>Catalysis Science and Technology</i> , 2017 , 7, 4250-4258	5.5	90
463	Conducting polymers in environmental analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2012 , 39, 163-179	14.6	90
462	Important role of ammonia on haze formation in Shanghai. <i>Environmental Research Letters</i> , 2011 , 6, 024019	10.9	86
461	Enhanced formation of fine particulate nitrate at a rural site on the North China Plain in summer: The important roles of ammonia and ozone. <i>Atmospheric Environment</i> , 2015 , 101, 294-302	5.3	85
460	Physical characterization of aerosol particles during the Chinese New Year's firework events. <i>Atmospheric Environment</i> , 2010 , 44, 5191-5198	5.3	85
459	Controllable synthesis of magnetic carbon composites with high porosity and strong acid resistance from hydrochar for efficient removal of organic pollutants: An overlooked influence. <i>Carbon</i> , 2016 , 99, 338-347	10.4	84
458	Morphology, composition and mixing state of individual carbonaceous aerosol in urban Shanghai. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 693-707	6.8	80
457	Evidence for high molecular weight nitrogen-containing organic salts in urban aerosols. <i>Environmental Science & Technology</i> , 2010 , 44, 4441-6	10.3	79
456	Particulate nitrate formation in a highly polluted urban area: a case study by single-particle mass spectrometry in Shanghai. <i>Environmental Science & Technology</i> , 2009 , 43, 3061-6	10.3	79

455	A conceptual framework for mixing structures in individual aerosol particles. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 13,784-13,798	4.4	78
454	Emission characterization, environmental impact, and control measure of PM _{2.5} emitted from agricultural crop residue burning in China. <i>Journal of Cleaner Production</i> , 2017 , 149, 629-635	10.3	77
453	Role of water molecule in the gas-phase formation process of nitrated polycyclic aromatic hydrocarbons in the atmosphere: a computational study. <i>Environmental Science & Technology</i> , 2014 , 48, 5051-7	10.3	77
452	Associations between short-term exposure to ambient sulfur dioxide and increased cause-specific mortality in 272 Chinese cities. <i>Environment International</i> , 2018 , 117, 33-39	12.9	76
451	Hygroscopicity of Inorganic Aerosols: Size and Relative Humidity Effects on the Growth Factor. <i>Aerosol and Air Quality Research</i> , 2010 , 10, 255-264	4.6	76
450	Tracking the conversion of nitrogen during pyrolysis of antibiotic mycelial fermentation residues using XPS and TG-FTIR-MS technology. <i>Environmental Pollution</i> , 2016 , 211, 20-7	9.3	75
449	Photosensitized Production of Atmospherically Reactive Organic Compounds at the Air/Aqueous Interface. <i>Journal of the American Chemical Society</i> , 2015 , 137, 8348-51	16.4	74
448	Airborne submicron particulate (PM ₁) pollution in Shanghai, China: chemical variability, formation/dissociation of associated semi-volatile components and the impacts on visibility. <i>Science of the Total Environment</i> , 2014 , 473-474, 199-206	10.2	73
447	Continuous measurement of peroxyacetyl nitrate (PAN) in suburban and remote areas of western China. <i>Atmospheric Environment</i> , 2009 , 43, 228-237	5.3	73
446	Role of Hydrochar Properties on the Porosity of Hydrochar-based Porous Carbon for Their Sustainable Application. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 833-840	8.3	72
445	Diastereomers of dibromo-7-epi-10-deacetylcephalomannine: crowded and cytotoxic taxanes exhibit halogen bonds. <i>Journal of Medicinal Chemistry</i> , 2006 , 49, 1891-9	8.3	72
444	Intense secondary aerosol formation due to strong atmospheric photochemical reactions in summer: observations at a rural site in eastern Yangtze River Delta of China. <i>Science of the Total Environment</i> , 2016 , 571, 1454-66	10.2	72
443	Combustion of hazardous biological waste derived from the fermentation of antibiotics using TG-FTIR and Py-GC/MS techniques. <i>Bioresource Technology</i> , 2015 , 193, 156-63	11	71
442	Radiative absorption enhancement from coatings on black carbon aerosols. <i>Science of the Total Environment</i> , 2016 , 551-552, 51-6	10.2	70
441	Detection of atmospheric gaseous amines and amides by a high-resolution time-of-flight chemical ionization mass spectrometer with protonated ethanol reagent ions. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 14527-14543	6.8	69
440	Hygroscopicity and evaporation of ammonium chloride and ammonium nitrate: Relative humidity and size effects on the growth factor. <i>Atmospheric Environment</i> , 2011 , 45, 2349-2355	5.3	66
439	Single Silver Adatoms on Nanostructured Manganese Oxide Surfaces: Boosting Oxygen Activation for Benzene Abatement. <i>Environmental Science & Technology</i> , 2017 , 51, 2304-2311	10.3	64
438	Enhanced Performance of Ceria-Based NO Reduction Catalysts by Optimal Support Effect. <i>Environmental Science & Technology</i> , 2017 , 51, 473-478	10.3	64

437	Observations of N ₂ O ₅ and ClNO ₂ at a polluted urban surface site in North China: High N ₂ O ₅ uptake coefficients and low ClNO ₂ product yields. <i>Atmospheric Environment</i> , 2017 , 156, 125-134	5.3	64
436	Severe haze episodes and seriously polluted fog water in Ji'nan, China. <i>Science of the Total Environment</i> , 2014 , 493, 133-7	10.2	64
435	Aerosol hygroscopicity parameter derived from the light scattering enhancement factor measurements in the North China Plain. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 8105-8118	6.8	64
434	Secondary organic aerosol formation from photochemical aging of light-duty gasoline vehicle exhausts in a smog chamber. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 9049-9062	6.8	64
433	Modeling secondary organic aerosol formation through cloud processing of organic compounds. <i>Atmospheric Chemistry and Physics</i> , 2007 , 7, 5343-5355	6.8	64
432	Magnetic activated carbon prepared from rice straw-derived hydrochar for triclosan removal. <i>RSC Advances</i> , 2014 , 4, 63620-63626	3.7	63
431	Seasonal variation and difference of aerosol optical properties in columnar and surface atmospheres over Shanghai. <i>Atmospheric Environment</i> , 2015 , 123, 315-326	5.3	62
430	Evolution of the mixing state of fine aerosols during haze events in Shanghai. <i>Atmospheric Research</i> , 2012 , 104-105, 193-201	5.4	62
429	Preventing smog crises in China and globally. <i>Journal of Cleaner Production</i> , 2016 , 112, 1261-1271	10.3	61
428	Chemical composition, source, and process of urban aerosols during winter haze formation in Northeast China. <i>Environmental Pollution</i> , 2017 , 231, 357-366	9.3	59
427	Design and characterization of a smog chamber for studying gas-phase chemical mechanisms and aerosol formation. <i>Atmospheric Measurement Techniques</i> , 2014 , 7, 301-313	4	59
426	Alkali- and Sulfur-Resistant Tungsten-Based Catalysts for NO _x Emissions Control. <i>Environmental Science & Technology</i> , 2015 , 49, 14460-5	10.3	58
425	Atmospheric outflow of PM _{2.5} saccharides from megacity Shanghai to East China Sea: Impact of biological and biomass burning sources. <i>Atmospheric Environment</i> , 2016 , 143, 1-14	5.3	58
424	Molecular characterization of atmospheric particulate organosulfates in three megacities at the middle and lower reaches of the Yangtze River. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 2285-2298	6.8	58
423	Size distribution and mixing state of black carbon particles during a heavy air pollution episode in Shanghai. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 5399-5411	6.8	58
422	Effect of glycerol as co-solvent on yields of bio-oil from rice straw through hydrothermal liquefaction. <i>Bioresource Technology</i> , 2016 , 220, 471-478	11	58
421	Solubility of iron from combustion source particles in acidic media linked to iron speciation. <i>Environmental Science & Technology</i> , 2012 , 46, 11119-27	10.3	57
420	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	4.4	56

4 ¹⁹	Bacterial characterization in ambient submicron particles during severe haze episodes at Ji'nan, China. <i>Science of the Total Environment</i> , 2017 , 580, 188-196	10.2	55
4 ¹⁸	Size distribution of particle-phase sugar and nitrophenol tracers during severe urban haze episodes in Shanghai. <i>Atmospheric Environment</i> , 2016 , 145, 115-127	5.3	54
4 ¹⁷	Sea salt aerosols as a reactive surface for inorganic and organic acidic gases in the Arctic troposphere. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 11341-11353	6.8	54
4 ¹⁶	Measurements of surface aerosol optical properties in winter of Shanghai. <i>Atmospheric Research</i> , 2012 , 109-110, 25-35	5.4	54
4 ¹⁵	Dimethyl Sulfide Photocatalytic Degradation in a Light-Emitting-Diode Continuous Reactor: Kinetic and Mechanistic Study. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 7977-7984	3.9	54
4 ¹⁴	Analysis of chloro- and nitrobenzenes in water by a simple polyaniline-based solid-phase microextraction coupled with gas chromatography. <i>Journal of Chromatography A</i> , 2007 , 1140, 21-8	4.5	53
4 ¹³	Fine particulate matter constituents and stress hormones in the hypothalamus-pituitary-adrenal axis. <i>Environment International</i> , 2018 , 119, 186-192	12.9	53
4 ¹²	Formation of secondary aerosols from gasoline vehicle exhaust when mixing with SO ₂ . <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 675-689	6.8	52
4 ¹¹	Mixing state and hygroscopicity of dust and haze particles before leaving Asian continent. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 1044-1059	4.4	52
4 ¹⁰	Hygroscopic growth of urban aerosol particles during the 2009 Mirage-Shanghai Campaign. <i>Atmospheric Environment</i> , 2013 , 64, 263-269	5.3	52
4 ⁰⁹	Polythiophene as a novel fiber coating for solid-phase microextraction. <i>Journal of Chromatography A</i> , 2008 , 1198-1199, 7-13	4.5	52
4 ⁰⁸	Agricultural Fire Impacts on the Air Quality of Shanghai during Summer Harvesttime. <i>Aerosol and Air Quality Research</i> , 2010 , 10, 95-101	4.6	52
4 ⁰⁷	Particle number concentration, size distribution and chemical composition during haze and photochemical smog episodes in Shanghai. <i>Journal of Environmental Sciences</i> , 2014 , 26, 1894-902	6.4	51
4 ⁰⁶	Concentrations and solubility of trace elements in fine particles at a mountain site, southern China: regional sources and cloud processing. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 8987-9002	6.8	51
4 ⁰⁵	Identification of the typical metal particles among haze, fog, and clear episodes in the Beijing atmosphere. <i>Science of the Total Environment</i> , 2015 , 511, 369-80	10.2	51
4 ⁰⁴	Characteristics and sources of nitrous acid in an urban atmosphere of northern China: Results from 1-yr continuous observations. <i>Atmospheric Environment</i> , 2018 , 182, 296-306	5.3	50
4 ⁰³	Chemical characterization and toxicity assessment of fine particulate matters emitted from the combustion of petrol and diesel fuels. <i>Science of the Total Environment</i> , 2017 , 605-606, 172-179	10.2	50
4 ⁰²	Morphology, composition, and mixing state of primary particles from combustion sources - crop residue, wood, and solid waste. <i>Scientific Reports</i> , 2017 , 7, 5047	4.9	49

401	FORest Canopy Atmosphere Transfer (FORCAST) 1.0: a 1-D model of biosphere-atmosphere chemical exchange. <i>Geoscientific Model Development</i> , 2015 , 8, 3765-3784	6.3	49
400	Insights into Ammonium Particle-to-Gas Conversion: Non-sulfate Ammonium Coupling with Nitrate and Chloride. <i>Aerosol and Air Quality Research</i> , 2010 , 10, 589-595	4.6	49
399	A comparison of dust properties between China continent and Korea, Japan in East Asia. <i>Atmospheric Environment</i> , 2006 , 40, 5787-5797	5.3	49
398	Emissions of fine particulate nitrated phenols from the burning of five common types of biomass. <i>Environmental Pollution</i> , 2017 , 230, 405-412	9.3	48
397	Fog water chemistry in Shanghai. <i>Atmospheric Environment</i> , 2011 , 45, 4034-4041	5.3	48
396	Electrodeposited polyaniline as a fiber coating for solid-phase microextraction of organochlorine pesticides from water. <i>Journal of Separation Science</i> , 2008 , 31, 2839-45	3.4	48
395	Production Temperature Effects on the Structure of Hydrochar-Derived Dissolved Organic Matter and Associated Toxicity. <i>Environmental Science & Technology</i> , 2018 , 52, 7486-7495	10.3	48
394	Chemical Characteristics of Organic Aerosols in Shanghai: A Study by Ultrahigh-Performance Liquid Chromatography Coupled With Orbitrap Mass Spectrometry. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 11,703-11,722	4.4	47
393	CFD modeling of a UV-LED photocatalytic odor abatement process in a continuous reactor. <i>Journal of Hazardous Materials</i> , 2012 , 215-216, 25-31	12.8	47
392	Separation of phenolic compounds with modified adsorption resin from aqueous phase products of hydrothermal liquefaction of rice straw. <i>Bioresource Technology</i> , 2015 , 182, 160-168	11	47
391	Single particle analysis of amines in ambient aerosol in Shanghai. <i>Environmental Chemistry</i> , 2012 , 9, 202	3.2	47
390	The effects of firework regulation on air quality and public health during the Chinese Spring Festival from 2013 to 2017 in a Chinese megacity. <i>Environment International</i> , 2019 , 126, 96-106	12.9	47
389	Impact of quarantine measures on chemical compositions of PM during the COVID-19 epidemic in Shanghai, China. <i>Science of the Total Environment</i> , 2020 , 743, 140758	10.2	46
388	Characteristics of ambient volatile organic compounds and the influence of biomass burning at a rural site in Northern China during summer 2013. <i>Atmospheric Environment</i> , 2016 , 124, 156-165	5.3	46
387	Characteristics and chemical compositions of particulate matter collected at the selected metro stations of Shanghai, China. <i>Science of the Total Environment</i> , 2014 , 496, 443-452	10.2	46
386	Consecutive transport of anthropogenic air masses and dust storm plume: Two case events at Shanghai, China. <i>Atmospheric Research</i> , 2013 , 127, 22-33	5.4	46
385	Investigation on the Physical and Chemical Properties of Hydrochar and Its Derived Pyrolysis Char for Their Potential Application: Influence of Hydrothermal Carbonization Conditions. <i>Energy & Fuels</i> , 2015 , 29, 5222-5230	4.1	45
384	Pollutant emissions from residential combustion and reduction strategies estimated via a village-based emission inventory in Beijing. <i>Environmental Pollution</i> , 2018 , 238, 230-237	9.3	45

383	Using hourly measurements to explore the role of secondary inorganic aerosol in PM _{2.5} during haze and fog in Hangzhou, China. <i>Advances in Atmospheric Sciences</i> , 2014 , 31, 1427-1434	2.9	45
382	A case study of the highly time-resolved evolution of aerosol chemical and optical properties in urban Shanghai, China. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 3931-3944	6.8	45
381	Computational evidence for the detoxifying mechanism of epsilon class glutathione transferase toward the insecticide DDT. <i>Environmental Science & Technology</i> , 2014 , 48, 5008-16	10.3	44
380	Mesoporous bismuth titanate with visible-light photocatalytic activity. <i>Chemical Communications</i> , 2008 , 4977-9	5.8	44
379	Studies on SO ₂ promoted mixed oxide superacids. <i>Catalysis Letters</i> , 1996 , 37, 187-191	2.8	44
378	Light absorption enhancement of black carbon from urban haze in Northern China winter. <i>Environmental Pollution</i> , 2017 , 221, 418-426	9.3	43
377	Direct observations of organic aerosols in common wintertime hazes in North China: insights into direct emissions from Chinese residential stoves. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 1259-1270	6.8	43
376	Observations of fine particulate nitrated phenols in four sites in northern China: concentrations, source apportionment, and secondary formation. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 4349-4359	6.8	43
375	Size distributions of polycyclic aromatic hydrocarbons in urban atmosphere: sorption mechanism and source contributions to respiratory deposition. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 2971-2983	6.8	43
374	The effects of nitrate on the heterogeneous uptake of sulfur dioxide on hematite. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 9451-9467	6.8	43
373	Microscopic evaluation of trace metals in cloud droplets in an acid precipitation region. <i>Environmental Science & Technology</i> , 2013 , 47, 4172-80	10.3	43
372	Reactions of Atmospheric Particulate Stabilized Criegee Intermediates Lead to High-Molecular-Weight Aerosol Components. <i>Environmental Science & Technology</i> , 2016 , 50, 5702-10	10.3	43
371	Sub-lethal concentrations of heavy metals induce antibiotic resistance via mutagenesis. <i>Journal of Hazardous Materials</i> , 2019 , 369, 9-16	12.8	42
370	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	10.3	42
369	HONO and its potential source particulate nitrite at an urban site in North China during the cold season. <i>Science of the Total Environment</i> , 2015 , 538, 93-101	10.2	42
368	Organosulfate Formation through the Heterogeneous Reaction of Sulfur Dioxide with Unsaturated Fatty Acids and Long-Chain Alkenes. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 10336-9	16.4	42
367	Open burning of rice, corn and wheat straws: primary emissions, photochemical aging, and secondary organic aerosol formation. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 14821-14839	6.8	42
366	Heterogeneous photocatalytic decomposition of benzene on lanthanum-doped TiO ₂ film at ambient temperature. <i>Chemosphere</i> , 2006 , 65, 2282-8	8.4	42

365	Sodium Rivals Silver as Single-Atom Active Centers for Catalyzing Abatement of Formaldehyde. <i>Environmental Science & Technology</i> , 2017 , 51, 7084-7090	10.3	42
364	Primary Particulate Matter Emitted from Heavy Fuel and Diesel Oil Combustion in a Typical Container Ship: Characteristics and Toxicity. <i>Environmental Science & Technology</i> , 2018 , 52, 12943-12951	10.3	42
363	Agricultural Fires and Their Potential Impacts on Regional Air Quality over China. <i>Aerosol and Air Quality Research</i> , 2013 , 13, 992-1001	4.6	41
362	Effects of amines on particle growth observed in new particle formation events. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 324-335	4.4	41
361	Atmospheric PAHs, NPAHs, and OPAHs at an urban, mountainous, and marine sites in Northern China: Molecular composition, sources, and ageing. <i>Atmospheric Environment</i> , 2018 , 173, 256-264	5.3	41
360	PM 2.5 pollution episode and its contributors from 2011 to 2013 in urban Shanghai, China. <i>Atmospheric Environment</i> , 2015 , 123, 298-305	5.3	40
359	Influences of Temperature and Metal on Subcritical Hydrothermal Liquefaction of Hyperaccumulator: Implications for the Recycling of Hazardous Hyperaccumulators. <i>Environmental Science & Technology</i> , 2018 , 52, 2225-2234	10.3	40
358	Observations of linear dependence between sulfate and nitrate in atmospheric particles. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 341-361	4.4	40
357	Size-resolved hygroscopicity of submicrometer urban aerosols in Shanghai during wintertime. <i>Atmospheric Research</i> , 2011 , 99, 353-364	5.4	40
356	Selective Extraction of Bio-oil from Hydrothermal Liquefaction of <i>Salix psammophila</i> by Organic Solvents with Different Polarities through Multistep Extraction Separation. <i>BioResources</i> , 2014 , 9,	1.3	39
355	Six sources mainly contributing to the haze episodes and health risk assessment of PM at Beijing suburb in winter 2016. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 166, 146-156	7	39
354	Surface-Enhanced Raman Spectroscopy: A Facile and Rapid Method for the Chemical Component Study of Individual Atmospheric Aerosol. <i>Environmental Science & Technology</i> , 2017 , 51, 6260-6267	10.3	38
353	In situ remediation of subsurface contamination: opportunities and challenges for nanotechnology and advanced materials. <i>Environmental Science: Nano</i> , 2019 , 6, 1283-1302	7.1	38
352	Size-resolved effective density of urban aerosols in Shanghai. <i>Atmospheric Environment</i> , 2015 , 100, 133-140	5.4	38
351	Chemical composition and droplet size distribution of cloud at the summit of Mount Tai, China. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 9885-9896	6.8	38
350	Polycyclic aromatic hydrocarbons in dust from computers: one possible indoor source of human exposure. <i>Atmospheric Environment</i> , 2006 , 40, 6956-6965	5.3	38
349	Hydrothermal Liquefaction of Desert Shrub <i>Salix psammophila</i> to High Value-added Chemicals and Hydrochar with Recycled Processing Water. <i>BioResources</i> , 2013 , 8,	1.3	37
348	Self-Protection Mechanism of Hexagonal WO-Based DeNO Catalysts against Alkali Poisoning. <i>Environmental Science & Technology</i> , 2016 , 50, 11951-11956	10.3	37

347	Abundant NH in China Enhances Atmospheric HONO Production by Promoting the Heterogeneous Reaction of SO with NO. <i>Environmental Science & Technology</i> , 2019 , 53, 14339-14347	10.3	36
346	Atmospheric Photosensitization: A New Pathway for Sulfate Formation. <i>Environmental Science & Technology</i> , 2020 , 54, 3114-3120	10.3	35
345	An observational study of nitrous acid (HONO) in Shanghai, China: The aerosol impact on HONO formation during the haze episodes. <i>Science of the Total Environment</i> , 2018 , 630, 1057-1070	10.2	35
344	Characteristics and sources of atmospheric volatile organic compounds (VOCs) along the mid-lower Yangtze River in China. <i>Atmospheric Environment</i> , 2018 , 190, 232-240	5.3	35
343	Indoor PM2.5 and its chemical composition during a heavy haze fog episode at Jinan, China. <i>Atmospheric Environment</i> , 2014 , 99, 641-649	5.3	35
342	Contributions and source identification of biogenic and anthropogenic hydrocarbons to secondary organic aerosols at Mt. Tai in 2014. <i>Environmental Pollution</i> , 2017 , 220, 863-872	9.3	34
341	Multi-pollutant emissions from the burning of major agricultural residues in China and the related health-economic effects. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 4957-4988	6.8	34
340	Insights into different nitrate formation mechanisms from seasonal variations of secondary inorganic aerosols in Shanghai. <i>Atmospheric Environment</i> , 2016 , 145, 1-9	5.3	34
339	Photochemical Aging of Guaiacol by Fe(III)-Oxalate Complexes in Atmospheric Aqueous Phase. <i>Environmental Science & Technology</i> , 2019 , 53, 127-136	10.3	34
338	Carbonyl compounds at Mount Tai in the North China Plain: Characteristics, sources, and effects on ozone formation. <i>Atmospheric Research</i> , 2017 , 196, 53-61	5.4	33
337	Effects of aerosol pollution on PM-associated bacteria in typical inland and coastal cities of northern China during the winter heating season. <i>Environmental Pollution</i> , 2020 , 262, 114188	9.3	33
336	CO2 activation promotes available carbonate and phosphorus of antibiotic mycelial fermentation residue-derived biochar support for increased lead immobilization. <i>Chemical Engineering Journal</i> , 2018 , 334, 1101-1107	14.7	33
335	Characteristics of carbonaceous aerosols: Impact of biomass burning and secondary formation in summertime in a rural area of the North China Plain. <i>Science of the Total Environment</i> , 2016 , 557-558, 520-30	10.2	33
334	Analysis of human breath samples of lung cancer patients and healthy controls with solid-phase microextraction (SPME) and flow-modulated comprehensive two-dimensional gas chromatography (GC GC). <i>Analytical Methods</i> , 2014 , 6, 6841	3.2	33
333	Characteristics and relevant remote sources of black carbon aerosol in Shanghai. <i>Atmospheric Research</i> , 2014 , 135-136, 159-171	5.4	33
332	Aerosol Size Spectra and Particle Formation Events at Urban Shanghai in Eastern China. <i>Aerosol and Air Quality Research</i> , 2012 , 12, 1362-1372	4.6	33
331	Online single particle measurement of fireworks pollution during Chinese New Year in Nanning. <i>Journal of Environmental Sciences</i> , 2017 , 53, 184-195	6.4	32
330	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	10.2	32

329	Variations of cloud condensation nuclei (CCN) and aerosol activity during fog haze episode: a case study from Shanghai. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 12499-12512	6.8	32
328	Characteristics of bacterial community in cloud water at Mt Tai: similarity and disparity under polluted and non-polluted cloud episodes. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 5253-5270	6.8	32
327	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	6.8	32
326	Observation and analysis of atmospheric volatile organic compounds in a typical petrochemical area in Yangtze River Delta, China. <i>Journal of Environmental Sciences</i> , 2018 , 71, 233-248	6.4	32
325	Characteristics of size-resolved atmospheric inorganic and carbonaceous aerosols in urban Shanghai. <i>Atmospheric Environment</i> , 2017 , 167, 625-641	5.3	31
324	The spatiotemporal variation and key factors of SO ₂ in 336 cities across China. <i>Journal of Cleaner Production</i> , 2019 , 210, 602-611	10.3	31
323	Physiochemical properties of carbonaceous aerosol from agricultural residue burning: Density, volatility, and hygroscopicity. <i>Atmospheric Environment</i> , 2016 , 140, 94-105	5.3	30
322	Highly Dense Isolated Metal Atom Catalytic Sites: Dynamic Formation and In Situ Observations. <i>Chemistry - A European Journal</i> , 2015 , 21, 17397-402	4.8	30
321	Characterization of polycyclic aromatic hydrocarbons in fog-rain events. <i>Journal of Environmental Monitoring</i> , 2011 , 13, 2988-93		30
320	Active Tetrahedral Iron Sites of Fe ₂ O ₃ Catalyzing NO Reduction by NH ₃ . <i>Environmental Science and Technology Letters</i> , 2017 , 4, 246-250	11	29
319	Impact of emission controls on air quality in Beijing during APEC 2014: Implications from water-soluble ions and carbonaceous aerosol in PM _{2.5} and their precursors. <i>Atmospheric Environment</i> , 2019 , 210, 241-252	5.3	29
318	Environmental performances of hydrochar-derived magnetic carbon composite affected by its carbonaceous precursor. <i>RSC Advances</i> , 2015 , 5, 60713-60722	3.7	29
317	Non-agricultural sources dominate the atmospheric NH in Xi'an, a megacity in the semi-arid region of China. <i>Science of the Total Environment</i> , 2020 , 722, 137756	10.2	29
316	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	10.3	29
315	Fractional iron solubility of aerosol particles enhanced by biomass burning and ship emission in Shanghai, East China. <i>Science of the Total Environment</i> , 2014 , 481, 377-91	10.2	29
314	Measurements of surface cloud condensation nuclei and aerosol activity in downtown Shanghai. <i>Atmospheric Environment</i> , 2013 , 69, 354-361	5.3	29
313	Demethanation Trend of Hydrochar Induced by Organic Solvent Washing and Its Influence on Hydrochar Activation. <i>Environmental Science & Technology</i> , 2017 , 51, 10756-10764	10.3	29
312	Online hygroscopicity and chemical measurement of urban aerosol in Shanghai, China. <i>Atmospheric Environment</i> , 2014 , 95, 318-326	5.3	28

311	Size distribution of water-soluble inorganic ions in urban aerosols in Shanghai. <i>Atmospheric Pollution Research</i> , 2014 , 5, 639-647	4.5	28
310	Size-resolved chemical composition, effective density, and optical properties of biomass burning particles. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 7481-7493	6.8	28
309	Nitrite-Mediated Photooxidation of Vanillin in the Atmospheric Aqueous Phase. <i>Environmental Science & Technology</i> , 2019 , 53, 14253-14263	10.3	28
308	Long-range and regional transported size-resolved atmospheric aerosols during summertime in urban Shanghai. <i>Science of the Total Environment</i> , 2017 , 583, 334-343	10.2	27
307	Investigation of diverse bacteria in cloud water at Mt. Tai, China. <i>Science of the Total Environment</i> , 2017 , 580, 258-265	10.2	27
306	Clean production pathways for regional power-generation system under emission constraints: A case study of Shanghai, China. <i>Journal of Cleaner Production</i> , 2017 , 143, 989-1000	10.3	27
305	Individual particle analysis of aerosols collected at Lhasa City in the Tibetan Plateau. <i>Journal of Environmental Sciences</i> , 2015 , 29, 165-77	6.4	27
304	Two-stage nanofiltration process for high-value chemical production from hydrolysates of lignocellulosic biomass through hydrothermal liquefaction. <i>Separation and Purification Technology</i> , 2015 , 147, 276-283	8.3	27
303	Carbon transmission of CO ₂ activated nano-MgO carbon composites enhances phosphate immobilization. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 3705-3713	13	27
302	Bio-oil production from eight selected green landscaping wastes through hydrothermal liquefaction. <i>RSC Advances</i> , 2016 , 6, 15260-15270	3.7	27
301	Chemistry-triggered events of PM explosive growth during late autumn and winter in Shanghai, China. <i>Environmental Pollution</i> , 2019 , 254, 112864	9.3	27
300	Impacts of new particle formation on aerosol cloud condensation nuclei (CCN) activity in Shanghai: case study. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 11353-11365	6.8	27
299	Influence of fireworks displays on the chemical characteristics of PM in rural and suburban areas in Central and East China. <i>Science of the Total Environment</i> , 2017 , 578, 476-484	10.2	27
298	Ion exchange separation for recovery of monosaccharides, organic acids and phenolic compounds from hydrolysates of lignocellulosic biomass. <i>Separation and Purification Technology</i> , 2017 , 172, 100-106	8.3	27
297	Evolution of biomass burning smoke particles in the dark. <i>Atmospheric Environment</i> , 2015 , 120, 244-252	5.3	27
296	Nano-metal oxides induce antimicrobial resistance via radical-mediated mutagenesis. <i>Environment International</i> , 2018 , 121, 1162-1171	12.9	27
295	Counteractive effects of regional transport and emission control on the formation of fine particles: a case study during the Hangzhou G20 summit. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 13581-13600	6.8	27
294	Impacts of six potential HONO sources on HO 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	10.2	26

293	Nitrated phenols and the phenolic precursors in the atmosphere in urban Jinan, China. <i>Science of the Total Environment</i> , 2020 , 714, 136760	10.2	26
292	Catalytic hydrothermal liquefaction of rice straw in water/ethanol mixtures for high yields of monomeric phenols using reductive CuZnAl catalyst. <i>Fuel Processing Technology</i> , 2016 , 154, 1-6	7.2	26
291	Composition and hygroscopicity of aerosol particles at Mt. Lu in South China: Implications for acid precipitation. <i>Atmospheric Environment</i> , 2014 , 94, 626-636	5.3	26
290	Removal of SO ₂ on a nanoporous photoelectrode with simultaneous H ₂ production. <i>Environmental Science: Nano</i> , 2017 , 4, 834-842	7.1	25
289	Petrol and diesel exhaust particles accelerate the horizontal transfer of plasmid-mediated antimicrobial resistance genes. <i>Environment International</i> , 2018 , 114, 280-287	12.9	25
288	Synthesis, characterization and adsorption capacity of magnetic carbon composites activated by CO ₂ : implication for the catalytic mechanisms of iron salts. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 18942-18951	13	25
287	Mixing state and sources of submicron regional background aerosols in the northern Qinghai-Tibet Plateau and the influence of biomass burning. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 13365-13376	6.8	25
286	Direct quantification of organic acids in aerosols by desorption electrospray ionization mass spectrometry. <i>Atmospheric Environment</i> , 2009 , 43, 2717-2720	5.3	25
285	Satellite-based estimation of full-coverage ozone (O ₃) concentration and health effect assessment across Hainan Island. <i>Journal of Cleaner Production</i> , 2020 , 244, 118773	10.3	25
284	Interfacial photochemistry of biogenic surfactants: a major source of abiotic volatile organic compounds. <i>Faraday Discussions</i> , 2017 , 200, 59-74	3.6	24
283	The effect and mechanism of urban fine particulate matter (PM) on horizontal transfer of plasmid-mediated antimicrobial resistance genes. <i>Science of the Total Environment</i> , 2019 , 683, 116-123	10.2	24
282	Interactions between Heterogeneous Uptake and Adsorption of Sulfur Dioxide and Acetaldehyde on Hematite. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 4001-8	2.8	24
281	Mechanistic and kinetic studies on OH-initiated atmospheric oxidation degradation of benzo[<i>a</i>]pyrene in the presence of O ₂ and NO(x). <i>Chemosphere</i> , 2015 , 119, 387-393	8.4	24
280	Characteristics of atmospheric ammonia and its relationship with vehicle emissions in a megacity in China. <i>Atmospheric Environment</i> , 2018 , 182, 97-104	5.3	24
279	Diurnal concentrations, sources, and cancer risk assessments of PM-bound PAHs, NPAHs, and OPAHs in urban, marine and mountain environments. <i>Chemosphere</i> , 2018 , 209, 147-155	8.4	24
278	Rapid analysis of SVOC in aerosols by desorption electrospray ionization mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2008 , 19, 450-4	3.5	24
277	HONO Budget and Its Role in Nitrate Formation in the Rural North China Plain. <i>Environmental Science & Technology</i> , 2020 , 54, 11048-11057	10.3	24
276	Deciphering the aqueous chemistry of glyoxal oxidation with hydrogen peroxide using molecular imaging. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 20357-20366	3.6	23

275	Effects of particulate matter from straw burning on lung fibrosis in mice. <i>Environmental Toxicology and Pharmacology</i> , 2017 , 56, 249-258	5.8	23
274	Insight into winter haze formation mechanisms based on aerosol hygroscopicity and effective density measurements. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 7277-7290	6.8	23
273	Direct quantification of PAHs in biomass burning aerosols by desorption electrospray ionization mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2009 , 281, 31-36	1.9	23
272	Heterogeneous chemistry of organic acids on soot surfaces. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 4804-14	2.8	23
271	Profile of inhalable bacteria in PM at Mt. Tai, China: Abundance, community, and influence of air mass trajectories. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 168, 110-119	7	23
270	Understanding unusually high levels of peroxyacetyl nitrate (PAN) in winter in Urban Jinan, China. <i>Journal of Environmental Sciences</i> , 2018 , 71, 249-260	6.4	23
269	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	6.8	22
268	Trends in heterogeneous aqueous reaction in continuous haze episodes in suburban Shanghai: An in-depth case study. <i>Science of the Total Environment</i> , 2018 , 634, 1192-1204	10.2	22
267	A novel process for obtaining high quality cellulose acetate from green landscaping waste. <i>Journal of Cleaner Production</i> , 2018 , 176, 338-347	10.3	22
266	The variation of characteristics of individual particles during the haze evolution in the urban Shanghai atmosphere. <i>Atmospheric Research</i> , 2016 , 181, 95-105	5.4	22
265	Identification of concentrations and sources of PM _{2.5} -bound PAHs in North China during haze episodes in 2013. <i>Air Quality, Atmosphere and Health</i> , 2016 , 9, 823-833	5.6	22
264	The active sites of supported silver particle catalysts in formaldehyde oxidation. <i>Chemical Communications</i> , 2016 , 52, 9996-9	5.8	22
263	Improved performance of supported single-atom catalysts via increased surface active sites. <i>Catalysis Communications</i> , 2016 , 75, 74-77	3.2	22
262	Does interfacial photochemistry play a role in the photolysis of pyruvic acid in water?. <i>Atmospheric Environment</i> , 2018 , 191, 36-45	5.3	22
261	Aerosol single scattering albedo affected by chemical composition: An investigation using CRDS combined with MARGA. <i>Atmospheric Research</i> , 2013 , 124, 149-157	5.4	22
260	Chemical characteristics of PM ₁₀ /PM _{2.5} and influence on visual range at the summit of Mount Tai, North China. <i>Science of the Total Environment</i> , 2017 , 575, 458-466	10.2	22
259	Monitoring optical properties of aerosols with cavity ring-down spectroscopy. <i>Journal of Aerosol Science</i> , 2011 , 42, 277-284	4.3	22
258	Carbonyl sulfide derived from catalytic oxidation of carbon disulfide over atmospheric particles. <i>Environmental Science & Technology</i> , 2001 , 35, 2543-7	10.3	22

257	Emission factors and environmental implication of organic pollutants in PM emitted from various vessels in China. <i>Atmospheric Environment</i> , 2019 , 200, 302-311	5.3	22
256	Inherent Metals of a Phytoremediation Plant Influence Its Recyclability by Hydrothermal Liquefaction. <i>Environmental Science & Technology</i> , 2019 , 53, 6580-6586	10.3	21
255	Personal Ozone Exposure and Respiratory Inflammatory Response: The Role of DNA Methylation in the Arginase-Nitric Oxide Synthase Pathway. <i>Environmental Science & Technology</i> , 2018 , 52, 8785-8791	10.3	21
254	Theoretical study for OH radical-initiated atmospheric oxidation of ethyl acrylate. <i>Chemosphere</i> , 2015 , 119, 626-633	8.4	21
253	Chemical characterization of aerosols over the Atlantic Ocean and the Pacific Ocean during two cruises in 2007 and 2008. <i>Journal of Geophysical Research</i> , 2010 , 115,		21
252	Heterogeneous uptake of carbonyl sulfide on hematite and hematite-NaCl mixtures. <i>Environmental Science & Technology</i> , 2007 , 41, 6484-90	10.3	21
251	Different formation mechanisms of PAH during wood and coal combustion under different temperatures. <i>Atmospheric Environment</i> , 2020 , 222, 117084	5.3	21
250	Size distribution of particle-associated polybrominated diphenyl ethers (PBDEs) and their implications for health. <i>Atmospheric Measurement Techniques</i> , 2016 , 9, 1025-1037	4	21
249	Atmospheric emissions of Cu and Zn from coal combustion in China: Spatio-temporal distribution, human health effects, and short-term prediction. <i>Environmental Pollution</i> , 2017 , 229, 724-734	9.3	20
248	Cloud scavenging of anthropogenic refractory particles at a mountain site in North China. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 14681-14693	6.8	20
247	Observations of atmospheric pollutants at Lhasa during 2014-2015: Pollution status and the influence of meteorological factors. <i>Journal of Environmental Sciences</i> , 2018 , 63, 28-42	6.4	19
246	Molecular distributions of dicarboxylic acids, oxocarboxylic acids and <i>i></i>-dicarbonyls in PM_{2.5} 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	6.8	19
245	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	10.3	19
244	Evolution of aqSOA from the Air-Liquid Interfacial Photochemistry of Glyoxal and Hydroxyl Radicals. <i>Environmental Science & Technology</i> , 2019 , 53, 10236-10245	10.3	19
243	Source and deposition of polycyclic aromatic hydrocarbons to Shanghai, China. <i>Journal of Environmental Sciences</i> , 2012 , 24, 116-23	6.4	19
242	Determination of organic pollutants in coking wastewater by dispersive liquid-liquid microextraction/GC/MS. <i>Journal of Separation Science</i> , 2013 , 36, 1644-51	3.4	19
241	Trash to treasure: Use flue gas SO ₂ to produce H ₂ via a photoelectrochemical process. <i>Chemical Engineering Journal</i> , 2018 , 335, 231-235	14.7	18
240	Monophenols separation from monosaccharides and acids by two-stage nanofiltration and reverse osmosis in hydrothermal liquefaction hydrolysates. <i>Journal of Membrane Science</i> , 2016 , 504, 141-152	9.6	18

239	Emerging investigator series: heterogeneous reactions of sulfur dioxide on mineral dust nanoparticles: from single component to mixed components. <i>Environmental Science: Nano</i> , 2018 , 5, 1821-1833	7.1	18
238	Mechanistic and kinetic studies on the OH-initiated atmospheric oxidation of fluoranthene. <i>Science of the Total Environment</i> , 2014 , 490, 639-46	10.2	18
237	Real-time aerosol optical properties, morphology and mixing states under clear, haze and fog episodes in the summer of urban Beijing. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 5079-5093	6.8	18
236	Distribution and source of alkyl polycyclic aromatic hydrocarbons in dustfall in Shanghai, China: the effect on the coastal area. <i>Journal of Environmental Monitoring</i> , 2009 , 11, 187-92		18
235	Distribution and source of polycyclic aromatic hydrocarbons (PAHs) on dust collected in Shanghai, People's Republic of China. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2006 , 76, 442-9	2.7	18
234	Mixed Chloride Aerosols and their Atmospheric Implications: A Review. <i>Aerosol and Air Quality Research</i> , 2017 , 17, 878-887	4.6	18
233	Seasonal contributions to size-resolved n-alkanes (C-C) in the Shanghai atmosphere from regional anthropogenic activities and terrestrial plant waxes. <i>Science of the Total Environment</i> , 2017 , 579, 1918-1928	10.2	17
232	Activating Inert Alkali-Metal Ions by Electron Transfer from Manganese Oxide for Formaldehyde Abatement. <i>Chemistry - A European Journal</i> , 2018 , 24, 681-689	4.8	17
231	Distribution and sources of air pollutants in the North China Plain based on on-road mobile measurements. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 12551-12565	6.8	17
230	Measurements of nitrous acid (HONO) in urban area of Shanghai, China. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 5818-29	5.1	17
229	Rush-hour aromatic and chlorinated hydrocarbons in selected subway stations of Shanghai, China. <i>Journal of Environmental Sciences</i> , 2012 , 24, 131-41	6.4	17
228	Fungi diversity in PM _{2.5} and PM ₁₀ at the summit of Mt. Tai: abundance, size distribution, and seasonal variation. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 11247-11260	6.8	17
227	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	9.3	17
226	Nonthermal air plasma dehydration of hydrochar improves its carbon sequestration potential and dissolved organic matter molecular characteristics. <i>Science of the Total Environment</i> , 2019 , 659, 655-663	10.2	17
225	Chromatographic separation of glucose, xylose and arabinose from lignocellulosic hydrolysates using cation exchange resin. <i>Separation and Purification Technology</i> , 2018 , 195, 288-294	8.3	17
224	The changing ambient mixing ratios of long-lived halocarbons under Montreal Protocol in China. <i>Journal of Cleaner Production</i> , 2018 , 188, 774-785	10.3	17
223	Ligand-Promoted Photoreductive Dissolution of Goethite by Atmospheric Low-Molecular Dicarboxylates. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 1647-1656	2.8	16
222	Pollutants emitted from typical Chinese vessels: Potential contributions to ozone and secondary organic aerosols. <i>Journal of Cleaner Production</i> , 2019 , 238, 117862	10.3	16

221	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	5.3	16
220	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	10.2	16
219	Flavonoid triglycosides from the seeds of <i>Camellia oleifera</i> Abel. <i>Chinese Chemical Letters</i> , 2008 , 19, 1318-1318i6		
218	Levels, indoor-outdoor relationships and exposure risks of airborne particle-associated perchlorate and chlorate in two urban areas in Eastern Asia. <i>Chemosphere</i> , 2015 , 135, 31-7	8.4	15
217	Investigation of new particle formation at the summit of Mt. Tai, China. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 2243-2258	6.8	15
216	Investigating particles, VOCs, ROS produced from mosquito-repellent incense emissions and implications in SOA formation and human health. <i>Building and Environment</i> , 2018 , 143, 645-651	6.5	15
215	A multifunctional HTDMA system with a robust temperature control. <i>Advances in Atmospheric Sciences</i> , 2009 , 26, 1235-1240	2.9	15
214	Tris(2,4-di- <i>n</i> -butylphenyl)phosphate: An Unexpected Abundant Toxic Pollutant Found in PM. <i>Environmental Science & Technology</i> , 2020 , 54, 10570-10576	10.3	15
213	Characterization of typical metal particles during haze episodes in Shanghai, China. <i>Chemosphere</i> , 2017 , 181, 259-269	8.4	14
212	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	6.8	14
211	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	5.3	14
210	Adsorption of SO ₂ on mineral dust particles influenced by atmospheric moisture. <i>Atmospheric Environment</i> , 2018 , 191, 153-161	5.3	14
209	Hydrothermal Liquefaction of Water Hyacinth: Product Distribution and Identification. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2013 , 35, 1349-1357	1.6	14
208	Photoinduced Formation of Fe(III) Sulfate Complexes on the Surface of Fe ₂ O ₃ and Their Photochemical Performance. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 11316-11322	3.8	14
207	Daily CO Emission Reduction Indicates the Control of Activities to Contain COVID-19 in China. <i>Innovation(China)</i> , 2020 , 1, 100062	17.8	14
206	Spatially explicit analysis identifies significant potential for bioenergy with carbon capture and storage in China. <i>Nature Communications</i> , 2021 , 12, 3159	17.4	14
205	Isotopic constraints on the atmospheric sources and formation of nitrogenous species in clouds influenced by biomass burning. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 12221-12234	6.8	14
204	Temporal variations in the hygroscopicity and mixing state of black carbon aerosols in a polluted megacity area. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 15201-15218	6.8	14

203	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	10.2	13
202	Contribution of transregional transport to particle pollution and health effects in Shanghai during 2013-2017. <i>Science of the Total Environment</i> , 2019 , 677, 564-570	10.2	13
201	Modification in light absorption cross section of laboratory-generated black carbon-brown carbon particles upon surface reaction and hydration. <i>Atmospheric Environment</i> , 2015 , 116, 253-261	5.3	13
200	Nocturnal PM _{2.5} explosive growth dominates severe haze in the rural North China Plain. <i>Atmospheric Research</i> , 2020 , 242, 105020	5.4	13
199	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	4.4	13
198	ToF-SIMS characterization of glyoxal surface oxidation products by hydrogen peroxide: A comparison between dry and liquid samples. <i>Surface and Interface Analysis</i> , 2018 , 50, 927-938	1.5	13
197	The effects of acetaldehyde, glyoxal and acetic acid on the heterogeneous reaction of nitrogen dioxide on gamma-alumina. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 9367-76	3.6	13
196	Uptake of Gaseous Alkylamides by Suspended Sulfuric Acid Particles: Formation of Ammonium/Aminium Salts. <i>Environmental Science & Technology</i> , 2017 , 51, 11710-11717	10.3	13
195	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> , 2014 , 66, 22568	3.3	13
194	Urban Aerosol Characteristics during the World Expo 2010 in Shanghai. <i>Aerosol and Air Quality Research</i> , 2013 , 13, 36-48	4.6	13
193	Chemical Fingerprinting of HULIS in Particulate Matters Emitted from Residential Coal and Biomass Combustion. <i>Environmental Science & Technology</i> , 2021 , 55, 3593-3603	10.3	13
192	Nitrogen-containing secondary organic aerosol formation by acrolein reaction with ammonia/ammonium. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 1343-1356	6.8	13
191	Reconciling modeling with observations of radiative absorption of black carbon aerosols. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 5932-5942	4.4	12
190	Evaluation and potential improvements of WRF/CMAQ in simulating multi-levels air pollution in megacity Shanghai, China. <i>Stochastic Environmental Research and Risk Assessment</i> , 2017 , 31, 2513-2526	3.5	12
189	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	10.2	12
188	Atmospheric degradation of lindane and 1,3-dichloroacetone in the gas phase. Studies at the EUPHORE simulation chamber. <i>Chemosphere</i> , 2015 , 138, 112-9	8.4	12
187	Dark air-liquid interfacial chemistry of glyoxal and hydrogen peroxide. <i>Npj Climate and Atmospheric Science</i> , 2019 , 2,	8	12
186	Do vehicular emissions dominate the source of C6-C8 aromatics in the megacity Shanghai of eastern China?. <i>Journal of Environmental Sciences</i> , 2015 , 27, 290-7	6.4	12

185	Hygroscopicity of ambient submicron particles in urban Hangzhou, China. <i>Frontiers of Environmental Science and Engineering in China</i> , 2011 , 5, 342-347		12
184	Synthesis of small crystal zeolite beta in a biphasic H ₂ O/TAB/Alcohol system. <i>Materials Letters</i> , 2009 , 63, 343-345	3.3	12
183	Spectral Light Absorption of Ambient Aerosols in Urban Beijing during Summer: An Intercomparison of Measurements from a Range of Instruments. <i>Aerosol and Air Quality Research</i> , 2015 , 15, 1178-1187	4.6	12
182	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	10.3	12
181	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	10.3	12
180	On-site analysis of COVID-19 on the surfaces in wards. <i>Science of the Total Environment</i> , 2021 , 753, 141758.2	10.2	12
179	Effect of Formaldehyde on the Heterogeneous Reaction of Nitrogen Dioxide on γ -Alumina. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 9317-24	2.8	11
178	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	10.3	11
177	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	6.8	11
176	First results from light scattering enhancement factor over central Indian Himalayas during GVAX campaign. <i>Science of the Total Environment</i> , 2017 , 605-606, 124-138	10.2	11
175	Determination of alkyl polycyclic aromatic hydrocarbons in dustfall by supercritical fluid extraction followed by gas chromatography/mass spectrum. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2009 , 82, 189-93	2.7	11
174	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	6.8	11
173	Oxygenated products formed from OH-initiated reactions of trimethylbenzene: autoxidation and accretion. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 9563-9579	6.8	11
172	Klarite as a label-free SERS-based assay: a promising approach for atmospheric bioaerosol detection. <i>Analyst, The</i> , 2019 , 145, 277-285	5	11
171	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	10.3	11
170	Decarbonylation reaction of saturated and oxidized tar from pyrolysis of low aromaticity biomass boost reduction of hexavalent chromium. <i>Chemical Engineering Journal</i> , 2019 , 360, 1042-1050	14.7	11
169	ROS-generation potential of Humic-like substances (HULIS) in ambient PM in urban Shanghai: Association with HULIS concentration and light absorbance. <i>Chemosphere</i> , 2020 , 256, 127050	8.4	10
168	Pollution levels, composition characteristics and sources of atmospheric PM in a rural area of the North China Plain during winter. <i>Journal of Environmental Sciences</i> , 2020 , 95, 172-182	6.4	10

167	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	4.4	10
166	Characterization and acid-mobilization study for typical iron-bearing clay mineral. <i>Journal of Environmental Sciences</i> , 2018 , 71, 222-232	6.4	10
165	Thermal desorption single particle mass spectrometry of ambient aerosol in Shanghai. <i>Atmospheric Environment</i> , 2015 , 123, 407-414	5.3	10
164	Chemical Composition and Bacterial Community in Size-Resolved Cloud Water at the Summit of Mt. Tai, China. <i>Aerosol and Air Quality Research</i> , 2018 , 18, 1-14	4.6	10
163	An unexpected large continental source of reactive bromine and chlorine with significant impact on wintertime air quality. <i>National Science Review</i> , 2021 , 8, nwa304	10.8	10
162	Effect of relative humidity and the presence of aerosol particles on the Pinene ozonolysis. <i>Journal of Environmental Sciences</i> , 2018 , 71, 99-107	6.4	10
161	Physiochemical characteristics of aerosol particles in the typical microenvironment of hospital in Shanghai, China. <i>Science of the Total Environment</i> , 2017 , 580, 651-659	10.2	9
160	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	4.3	9
159	Fog composition along the Yangtze River basin: Detecting emission sources of pollutants in fog water. <i>Journal of Environmental Sciences</i> , 2018 , 71, 2-12	6.4	9
158	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	6.8	9
157	Rate coefficients for the reaction of ozone with 2- and 3-carene. <i>Chemical Physics Letters</i> , 2015 , 621, 71-77	2.5	9
156	Potential particulate pollution derived from UV-induced degradation of odorous dimethyl sulfide. <i>Journal of Environmental Sciences</i> , 2011 , 23, 51-9	6.4	9
155	Benz[a]anthracene Heterogeneous Photochemical Reaction on the Surface of TiO ₂ Particles. <i>Acta Physico-chimica Sinica</i> , 2007 , 23, 1531-1536		9
154	Toxic potency-adjusted control of air pollution for solid fuel combustion. <i>Nature Energy</i> ,	62.3	9
153	Influence of Cloud/Fog on Atmospheric VOCs in the Free Troposphere: A Case Study at Mount Tai in Eastern China. <i>Aerosol and Air Quality Research</i> , 2017 , 17, 2401-2412	4.6	9
152	Aerosol optical properties at urban and coastal sites in Shandong Province, Northern China. <i>Atmospheric Research</i> , 2017 , 188, 39-47	5.4	8
151	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	5.3	8
150	Physiochemical characteristics of aerosol particles collected from the Jokhang Temple indoors and the implication to human exposure. <i>Environmental Pollution</i> , 2018 , 236, 992-1003	9.3	8

149	Identification and semi-quantification of biogenic organic nitrates in ambient particulate matters by UHPLC/ESI-MS. <i>Atmospheric Environment</i> , 2018 , 176, 140-147	5.3	8
148	The influence of temperature on the heterogeneous uptake of SO on hematite particles. <i>Science of the Total Environment</i> , 2018 , 644, 1493-1502	10.2	8
147	Top-down synthesis strategies: Maximum noble-metal atom efficiency in catalytic materials. <i>Chinese Journal of Catalysis</i> , 2017 , 38, 1588-1596	11.3	8
146	The Impact of Nonlocal Ammonia on Submicron Particulate Matter and Visibility Degradation in Urban Shanghai. <i>Advances in Meteorology</i> , 2014 , 2014, 1-12	1.7	8
145	Characterization of aerosol optical properties, chemical composition and mixing states in the winter season in Shanghai, China. <i>Journal of Environmental Sciences</i> , 2014 , 26, 2412-22	6.4	8
144	Hygroscopicity and optical properties of alkylammonium sulfates. <i>Journal of Environmental Sciences</i> , 2014 , 26, 37-43	6.4	8
143	An Improved Oddy Test Using Metal Films. <i>Studies in Conservation</i> , 2011 , 56, 138-153	0.6	8
142	Climatology of aerosol radiative properties in northern China. <i>Atmospheric Research</i> , 2007 , 84, 132-141	5.4	8
141	Mechanism of the heterogeneous reaction of carbonyl sulfide with typical components of atmospheric aerosol. <i>Science Bulletin</i> , 2004 , 49, 1231		8
140	Synthesis and crystal structure of 2-debenzoyl and 4-deacetyl 1-deoxybaccatin VI derivatives. <i>Journal of Molecular Structure</i> , 2005 , 738, 59-65	3.4	8
139	Comparative Study of PAHs in PM1 and PM2.5 at a Background Site in the North China Plain. <i>Aerosol and Air Quality Research</i> , 2019 , 19, 2281-2293	4.6	8
138	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	6.8	8
137	A method for particulate matter 2.5 (PM) biotoxicity assay using luminescent bacterium. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 170, 796-803	7	8
136	Impact of adsorbed nitrate on the heterogeneous conversion of SO on α -FeO in the absence and presence of simulated solar irradiation. <i>Science of the Total Environment</i> , 2019 , 649, 1393-1402	10.2	8
135	Commodity plastic burning as a source of inhaled toxic aerosols. <i>Journal of Hazardous Materials</i> , 2021 , 416, 125820	12.8	8
134	-Phenylenediamine Antioxidants in PM: The Underestimated Urban Air Pollutants. <i>Environmental Science & Technology</i> , 2021 ,	10.3	8
133	Detection of gaseous dimethylamine using vocus proton-transfer-reaction time-of-flight mass spectrometry. <i>Atmospheric Environment</i> , 2020 , 243, 117875	5.3	7
132	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	9.3	7

131	Nitro and oxy-PAHs bounded in PM and PM under different weather conditions at Mount Tai in Eastern China: Sources, long-distance transport, and cancer risk assessment. <i>Science of the Total Environment</i> , 2018 , 622-623, 1400-1407	10.2	7
130	Reaction pathway for reactivation and aging of paraoxon-inhibited-acetylcholinesterase: A QM/MM study. <i>Computational and Theoretical Chemistry</i> , 2014 , 1035, 44-50	2	7
129	A simplified electrospray ionization source based on electrostatic field induction for mass spectrometric analysis of droplet samples. <i>Analyst, The</i> , 2012 , 137, 5743-8	5	7
128	Reaction of NO(2) with selected conjugated alkenes. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 14132-40.8	4.8	7
127	Determination of PAHs in dust from Shanghai by optimized SFE and GC/MS. <i>Annali Di Chimica</i> , 2006 , 96, 669-80		7
126	Conversion of taxane glycosides to 10-deacetylbaaccatin III. <i>Natural Product Research</i> , 2006 , 20, 119-24	2.3	7
125	Synthesis and crystal structure of 7,9-dideacetyl-1-deoxybaaccatinVI. <i>Journal of Chemical Crystallography</i> , 2006 , 36, 337-341	0.5	7
124	Crystallographic determination of stereochemistry of biologically active 2'',3''-dibromo-7-epi-10-deacetylcephalomannine. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005 , 15, 839-42	2.9	7
123	Photooxidation of carbonyl sulfide in the presence of the typical oxides in atmospheric aerosol. <i>Science in China Series B: Chemistry</i> , 2005 , 48, 31-37		7
122	Water/Methanol-Insoluble Brown Carbon Can Dominate Aerosol-Enhanced Light Absorption in Port Cities. <i>Environmental Science & Technology</i> , 2020 , 54, 14889-14898	10.3	7
121	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	6.4	7
120	Molecular composition and optical property of humic-like substances (HULIS) in winter-time PM2.5 in the rural area of North China Plain. <i>Atmospheric Environment</i> , 2021 , 252, 118316	5.3	7
119	Aromatic Hydrocarbons and Halocarbons at a Mountaintop in Southern China. <i>Aerosol and Air Quality Research</i> , 2016 , 16, 478-491	4.6	7
118	Separation of high-purity syringol and acetosyringone from rice straw-derived bio-oil by combining the basification-acidification process and column chromatography. <i>Electrophoresis</i> , 2016 , 37, 2522-2530	3.6	7
117	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	10.2	7
116	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	6.8	6
115	Sources and health risks of PM-bound polychlorinated biphenyls (PCBs) and organochlorine pesticides (OCPs) in a North China rural area. <i>Journal of Environmental Sciences</i> , 2020 , 95, 240-247	6.4	6
114	Baosteel emission control significantly benefited air quality in Shanghai. <i>Journal of Environmental Sciences</i> , 2018 , 71, 127-135	6.4	6

113	Online single particle analysis of chemical composition and mixing state of crop straw burning particles: from laboratory study to field measurement. <i>Frontiers of Environmental Science and Engineering</i> , 2016 , 10, 244-252	5.8	6
112	Impact of heterogeneous uptake of nitrogen dioxide on the conversion of acetaldehyde on gamma-alumina in the absence and presence of simulated solar irradiation. <i>Atmospheric Environment</i> , 2018 , 187, 282-291	5.3	6
111	A Large Scale Separation of Taxanes from the Bark Extract of <i>Taxus yunnanesis</i> and ¹ H- and ¹³ C-NMR Assignments for 7-epi-10-Deacetyltaxol. <i>Chinese Journal of Chemistry</i> , 2010 , 19, 82-90	4.9	6
110	A More Important Role for the Ozone-S(IV) Oxidation Pathway Due to Decreasing Acidity in Clouds. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2020JD033220	4.4	6
109	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	4.4	6
108	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	10.3	6
107	Characteristics of the pollutant emissions in a tunnel of Shanghai on a weekday. <i>Journal of Environmental Sciences</i> , 2018 , 71, 136-149	6.4	6
106	Air quality in the middle and lower reaches of the Yangtze River channel: a cruise campaign. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 14445-14464	6.8	6
105	Tuning electronic states of catalytic sites enhances SCR activity of hexagonal WO ₃ by Mo framework substitution. <i>Catalysis Science and Technology</i> , 2017 , 7, 2467-2473	5.5	5
104	Design and application of a novel integrated microsampling system for simultaneous collection of gas- and particle-phase semivolatile organic compounds. <i>Atmospheric Environment</i> , 2017 , 149, 1-11	5.3	5
103	Cytotoxicity analysis of ambient fine particle in BEAS-2B cells on an air-liquid interface (ALI) microfluidics system. <i>Science of the Total Environment</i> , 2019 , 677, 108-119	10.2	5
102	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	4.5	5
101	Pollution characteristics of particulate matters emitted from outdoor barbecue cooking in urban Jinan in eastern China. <i>Frontiers of Environmental Science and Engineering</i> , 2018 , 12, 1	5.8	5
100	Correction to Microscopic Evaluation of Trace Metals in Cloud Droplets in an Acid Precipitation Region. <i>Environmental Science & Technology</i> , 2013 , 47, 6067-6067	10.3	5
99	Synthesis and Antitumor Activity of 20-O-Linked Succinate-Based Camptothecin Ester Derivatives. <i>Letters in Drug Design and Discovery</i> , 2006 , 3, 83-86	0.8	5
98	Catalytic oxidation of CS ₂ over atmospheric particles and oxide catalysts. <i>Science in China Series B: Chemistry</i> , 2001 , 44, 587-595		5
97	Size distributions of polycyclic aromatic hydrocarbons in urban atmosphere: sorption mechanism and source contributions to respiratory deposition		5
96	Insights into a historic severe haze weather in Shanghai: synoptic situation, boundary layer and pollutants		5

95	Separation and quantification of imidazoles in atmospheric particles using LC-Orbitrap-MS. <i>Journal of Separation Science</i> , 2020 , 43, 577-589	3-4	5
94	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	4-4	5
93	Gaseous and Particulate Chlorine Emissions From Typical Iron and Steel Industry in China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2020JD032729	4-4	5
92	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	10-3	5
91	Size distributions of particle-generated hydroxyl radical (OH) in surrogate lung fluid (SLF) solution and their potential sources. <i>Environmental Pollution</i> , 2021 , 268, 115582	9-3	5
90	Diverse bacterial populations of PM _{2.5} in urban and suburb Shanghai, China. <i>Frontiers of Environmental Science and Engineering</i> , 2021 , 15, 1	5-8	5
89	Heterogeneous Nucleation of Trichloroethylene Ozonation Products in the Formation of New Fine Particles. <i>Scientific Reports</i> , 2017 , 7, 42600	4-9	4
88	Observation of nitrate dominant PM _{2.5} and particle pH elevation in urban Beijing during the winter of 2017 2019 ,		4
87	N-acetylcysteine attenuates cigaret smoke-induced pulmonary exacerbation in a mouse model of emphysema. <i>Inhalation Toxicology</i> , 2015 , 27, 802-9	2-7	4
86	Laboratory simulation of SO ₂ heterogeneous reactions on hematite surface under different SO ₂ concentrations. <i>Journal of Environmental Sciences</i> , 2009 , 21, 1103-7	6-4	4
85	LARGE-SCALE PROCESS FOR HIGH PURITY TAXOL FROM BARK EXTRACT OF TAXUS YUNNANENSIS. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2000 , 23, 2499-2512	1-3	4
84	Temperature-programmed desorption of pyridine on solid superacids. <i>Materials Chemistry and Physics</i> , 1996 , 45, 220-222	4-4	4
83	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	10-3	4
82	Columnar Optical Depth and Vertical Distribution of Aerosols over Shanghai. <i>Aerosol and Air Quality Research</i> , 2012 , 12, 320-330	4-6	4
81	The evolution of cloud and aerosol microphysics at the summit of Mt. Tai, China. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 13735-13751	6-8	4
80	Direct Observation of Sulfate Explosive Growth in Wet Plumes Emitted From Typical Coal-Fired Stationary Sources. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL092071	4-9	4
79	Particle-Phase Photoreactions of HULIS and TMs Establish a Strong Source of HO and Particulate Sulfate in the Winter North China Plain. <i>Environmental Science & Technology</i> , 2021 , 55, 7818-7830	10-3	4
78	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	6-8	4

77	High Pressure Inside Nanometer-Sized Particles Influences the Rate and Products of Chemical Reactions. <i>Environmental Science & Technology</i> , 2021 , 55, 7786-7793	10.3	4
76	Characterization of a Kanomax□ fast condensation particle counter in the sub-10 nm range. <i>Journal of Aerosol Science</i> , 2021 , 155, 105772	4.3	4
75	Fuel Aromaticity Promotes Low-Temperature Nucleation Processes of Elemental Carbon from Biomass and Coal Combustion. <i>Environmental Science & Technology</i> , 2021 , 55, 2532-2540	10.3	4
74	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,	11.5	4
73	Halogens Enhance Haze Pollution in China. <i>Environmental Science & Technology</i> , 2021 , 55, 13625-13637	10.3	4
72	The mechanism and kinetic model on the OH-initiated degradation of acetofenate in the atmosphere. <i>Atmospheric Environment</i> , 2015 , 103, 357-364	5.3	3
71	Fog Formation in Cold Season in Jiān, China: Case Analyses with Application of HYSPLIT Model. <i>Advances in Meteorology</i> , 2014 , 2014, 1-8	1.7	3
70	Transesterification of Jatropha Oil to Biodiesel by Using Catalyst Containing Ca(C ₃ H ₇ O ₃) ₂ as a Solid Base Catalyst. <i>Advanced Materials Research</i> , 2013 , 666, 93-102	0.5	3
69	Synthesis and Structural Studies of 1-Deoxybaccatin VI Derivatives. <i>Chinese Journal of Chemistry</i> , 2008 , 26, 1870-1878	4.9	3
68	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	4.4	3
67	Sea salt aerosols as a reactive surface for inorganic and organic acidic gases in the arctic troposphere		3
66	Photochemical Oxidation of Water-Soluble Organic Carbon (WSOC) on Mineral Dust and Enhanced Organic Ammonium Formation. <i>Environmental Science & Technology</i> , 2020 , 54, 15631-15642	10.3	3
65	Application of smog chambers in atmospheric process studies.. <i>National Science Review</i> , 2022 , 9, nwab103	10.8	3
64	PM-Nitrite Heterogeneous Formation Demonstrated via a Modified Versatile Aerosol Concentration Enrichment System Coupled with Ion Chromatography. <i>Environmental Science & Technology</i> , 2021 , 55, 9794-9804	10.3	3
63	Marine organic matter in the remote environment of the Cape Verde Islands □An introduction and overview to the MarParCloud campaign 2019 ,		3
62	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	4	3
61	The decay of airborne bacteria and fungi in a constant temperature and humidity test chamber. <i>Environment International</i> , 2021 , 157, 106816	12.9	3
60	An unexpected large continental source of reactive bromine and chlorine with significant impact on wintertime air quality		3

59	Significant increase of summertime ozone at Mt. Tai in Central Eastern China: 2003-2015 2016 ,		2
58	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	7	2
57	Size-segregated water-soluble N-bearing species in the land-sea boundary zone of East China. <i>Atmospheric Environment</i> , 2019 , 218, 116990	5.3	2
56	Effects of Ammonia and Amines on Heterogeneous Oxidation of Carbonyl Sulfide on Hematite. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2013 , 29, 2027-2034	3.8	2
55	Real-time, single-particle measurements of ambient aerosols in Shanghai. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , 2010 , 5, 331-341		2
54	Size Distribution and Optical Properties of Ambient Aerosols during Autumn in Orleans, France. <i>Aerosol and Air Quality Research</i> , 2014 , 14, 744-755	4.6	2
53	Trend in Fine Sulfate Concentrations and the Associated Secondary Formation Processes at an Urban Site in North China. <i>Aerosol and Air Quality Research</i> , 2018 , 18, 1519-1530	4.6	2
52	Morphology, composition and mixing state of individual carbonaceous aerosol in urban Shanghai		2
51	Impacts of new particle formation on aerosol cloud condensation nuclei (CCN) activity in Shanghai: case study		2
50	Strong atmospheric new particle formation in winter, urban Shanghai, China		2
49	Identification of particulate organosulfates in three megacities at the middle and lower reaches of the Yangtze River		2
48	Size distribution and mixing state of black carbon particles during a heavy air pollution episode in Shanghai		2
47	Particle-size distribution of polybrominated diphenyl ethers (PBDEs) and its implications for health		2
46	Secondary Inorganic Ions Characteristics in PM _{2.5} Along Offshore and Coastal Areas of the Megacity Shanghai. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2021JD035139	4.4	2
45	Photochemical Aging of Atmospheric Fine Particles as a Potential Source for Gas-Phase Hydrogen Peroxide. <i>Environmental Science & Technology</i> , 2021 , 55, 15063-15071	10.3	2
44	Winter ClNO ₂ 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	6.8	2
43	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	10.2	2
42	Characteristics of bacterial community in fog water at Mt. Tai: similarity and disparity under polluted and non-polluted fog episodes 2016 ,		2

41	Nitrous acid emission from open burning of major crop residues in mainland China. <i>Atmospheric Environment</i> , 2021 , 244, 117950	5.3	2
40	Increased new particle yields with largely decreased probability of survival to CCN size at the summit of Mt. Tai under reduced SO ₂ emissions. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 1305-1323	6.8	2
39	Measurements of nonvolatile size distribution and its link to traffic soot in urban Shanghai. <i>Science of the Total Environment</i> , 2018 , 615, 452-461	10.2	2
38	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. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2020JD033975	4.4	2
37	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	6.8	2
36	Photodissociation of particulate nitrate as a source of daytime tropospheric Cl ₂ . <i>Nature Communications</i> , 2022 , 13, 939	17.4	2
35	Reaction Mechanism of 4-Chlorobiphenyl and the NO Radical: An Experimental and Theoretical Study. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 3461-3468	2.8	1
34	Size-fractionated water-soluble ions during autumn and winter: Insights into volatile ammonium formation mechanisms in Shanghai, a megacity of China. <i>Atmospheric Environment: X</i> , 2019 , 2, 100011	2.8	1
33	Importance of Ammonia Gas-Particle Conversion Ratio in Haze Formation in the Rural Agricultural Environment 2020 ,		1
32	Real-Time Aerosol Optical Properties, Morphology and Mixing States under Clear, Haze and Fog Episodes in the Summer of Urban Beijing 2017 ,		1
31	An online technology for effectively monitoring inorganic condensable particulate matter emitted from industrial plants.. <i>Journal of Hazardous Materials</i> , 2022 , 428, 128221	12.8	1
30	A case study of the highly time-resolved evolution of aerosol chemical and optical properties in urban Shanghai, China		1
29	Variations of Cloud Condensation Nuclei (CCN) and aerosol activity during fog-haze episode: a case study from Shanghai		1
28	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	4	1
27	Satellite-Based Estimates of Wet Ammonium (NH ₄ -N) Deposition Fluxes Across China during 2011-2016 Using a Space-Time Ensemble Model. <i>Environmental Science & Technology</i> , 2020 , 54, 13419-13428	10.3	1
26	Magnetic Particles Unintentionally Emitted from Anthropogenic Sources: Iron and Steel Plants. <i>Environmental Science and Technology Letters</i> , 2021 , 8, 295-300	11	1
25	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	4.3	1
24	Distribution and Sources of Air pollutants in the North China Plain Based on On-Road Mobile Measurements 2016 ,		1

23	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	6.8	1
22	The roles of aqueous-phase chemistry and photochemical oxidation in oxygenated organic aerosols formation. <i>Atmospheric Environment</i> , 2021 , 266, 118738	5.3	1
21	More Than Concentration Reduction: Contributions of Oxidation Technologies to Alleviating Aerosol Toxicity from Diesel Engines. <i>Environmental Science and Technology Letters</i> ,	11	1
20	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	6.8	1
19	pH modifies the oxidative potential and peroxide content of biomass burning HULIS under dark aging.. <i>Science of the Total Environment</i> , 2022 , 155365	10.2	1
18	Overlooked Significant Impact of Trace Metals on the Bacterial Community of PM _{2.5} in High-Time Resolution. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2021JD035408	4.4	0
17	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	6.8	0
16	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	4.4	0
15	Atmospheric Nitrate Formation through Oxidation by Carbonate Radical. <i>ACS Earth and Space Chemistry</i> , 2021 , 5, 1801-1811	3.2	0
14	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	5.1	0
13	Association of PM with Insulin Resistance Signaling Pathways on a Microfluidic Liver-Kidney Microphysiological System (LK-MPS) Device. <i>Analytical Chemistry</i> , 2021 , 93, 9835-9844	7.8	0
12	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	5.3	0
11	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	6.4	0
10	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	10.2	0
9	Characterization of peroxyacetyl nitrate (PAN) under different PM concentration in wintertime at a North China rural site.. <i>Journal of Environmental Sciences</i> , 2022 , 114, 221-232	6.4	0
8	Characteristics of aerosol chemistry and acidity in Shanghai after PM satisfied national guideline: Insight into future emission control.. <i>Science of the Total Environment</i> , 2022 , 154319	10.2	0
7	Speciation of the elements and compositions on the surfaces of dust storm particles: The evidence for the coupling of iron with sulfur in aerosol during the long-range trans-port. <i>Science Bulletin</i> , 2005 , 50, 738		
6	Preparation and evaluation of new brominated paclitaxel analogues. <i>Journal of Asian Natural Products Research</i> , 2005 , 7, 231-6	1.5	

- 5 Electroanalytical studies of chlorophylls and their determination. *Electroanalysis*, **1991**, 3, 827-831 3
- 4 Significant impactor sampling artifacts of ammonium, nitrate, and organic acids. *Atmospheric Environment*, **2022**, 274, 118985 53
- 3 Characterizing Black Carbon and Gaseous Pollutants on the Yangtze River Across Eastern China Continent. *Journal of Geophysical Research D: Atmospheres*, **2021**, 126, e2020JD033488 44
- 2 Ice-Nucleating Particle Concentrations and Sources in Rainwater Over the Third Pole, Tibetan Plateau. *Journal of Geophysical Research D: Atmospheres*, **2021**, 126, e2020JD033864 44
- 1 Accurate observation of black and brown carbon in atmospheric fine particles via a versatile aerosol concentration enrichment system (VACES).. *Science of the Total Environment*, **2022**, 155817 10.2