Xin-Ming Wang

List of Publications by Year
in descending order

418 papers	23,054 citations	8755 75 h-index	15266 126 g-index
557 all docs	557 docs citations	557 times ranked	17506 citing authors

#	Article	IF	Citations
1	The Model of Emissions of Gases and Aerosols from Nature version 2.1 (MEGAN2.1): an extended and updated framework for modeling biogenic emissions. Geoscientific Model Development, 2012, 5, 1471-1492.	3.6	2,535
2	The health effects of ambient PM2.5 and potential mechanisms. Ecotoxicology and Environmental Safety, 2016, 128, 67-74.	6.0	660
3	Particle-associated polycyclic aromatic hydrocarbons in urban air of Hong Kong. Atmospheric Environment, 2003, 37, 5307-5317.	4.1	537
4	Systematic review of Chinese studies of short-term exposure to air pollution and daily mortality. Environment International, 2013, 54, 100-111.	10.0	413
5	Synthesis of Nanoparticles with Novel Technology:Â High-Gravity Reactive Precipitation. Industrial & Engineering Chemistry Research, 2000, 39, 948-954.	3.7	409
6	Persistent organic pollutants in environment of the Pearl River Delta, China: an overview. Chemosphere, 2003, 52, 1411-1422.	8.2	370
7	Volatile organic compounds in 43 Chinese cities. Atmospheric Environment, 2005, 39, 5979-5990.	4.1	345
8	Air pollution and control action in Beijing. Journal of Cleaner Production, 2016, 112, 1519-1527.	9.3	329
9	Volatile organic compounds (VOCs) in urban atmosphere of Hong Kong. Chemosphere, 2002, 48, 375-382.	8.2	295
10	Enhanced photocatalytic performance of nanosized coupled ZnO/SnO2 photocatalysts for methyl orange degradation. Journal of Photochemistry and Photobiology A: Chemistry, 2004, 168, 47-52.	3.9	245
11	Concentration Levels, Compositional Profiles, and Gas-Particle Partitioning of Polybrominated Diphenyl Ethers in the Atmosphere of an Urban City in South China. Environmental Science & Technology, 2006, 40, 1190-1196.	10.0	223
12	Atmospheric polycyclic aromatic hydrocarbons observed over the North Pacific Ocean and the Arctic area: Spatial distribution and source identification. Atmospheric Environment, 2007, 41, 2061-2072.	4.1	187
13	Simultaneous removal of SO2, NO and Hg0 by wet scrubbing using urea + KMnO4 solution. Fuel Processing Technology, 2013, 106, 645-653.	7.2	180
14	Preparation and photocatalytic activity of ZnO/TiO2/SnO2 mixture. Journal of Solid State Chemistry, 2005, 178, 3500-3506.	2.9	176
15	Variations of ground-level O₃ and its precursors in Beijing in summertime between 2005 and 2011. Atmospheric Chemistry and Physics, 2014, 14, 6089-6101.	4.9	168
16	Seasonal variations and chemical characteristics of PM2.5 in Wuhan, central China. Science of the Total Environment, 2015, 518-519, 97-105.	8.0	158
17	Urban roadside aromatic hydrocarbons in three cities of the Pearl River Delta, People's Republic of China. Atmospheric Environment, 2002, 36, 5141-5148.	4.1	155
18	Observations of atmospheric mercury in China: a critical review. Atmospheric Chemistry and Physics, 2015, 15, 9455-9476.	4.9	152

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19	Industrial sector-based volatile organic compound (VOC) source profiles measured in manufacturing facilities in the Pearl River Delta, China. Science of the Total Environment, 2013, 456-457, 127-136.	8.0	151
20	Mixing state of biomass burning particles by single particle aerosol mass spectrometer in the urban area of PRD, China. Atmospheric Environment, 2011, 45, 3447-3453.	4.1	150
21	Nitrogen isotopic signature of soil-released nitric oxide (NO) after fertilizer application. Atmospheric Environment, 2008, 42, 4747-4754.	4.1	149
22	The major components of particles emitted during recycling of waste printed circuit boards in a typical e-waste workshop of South China. Atmospheric Environment, 2010, 44, 4440-4445.	4.1	149
23	Tracerâ€based estimation of secondary organic carbon in the Pearl River Delta, south China. Journal of Geophysical Research, 2012, 117, .	3.3	149
24	An estimation of CO 2 emission via agricultural crop residue open field burning in China from 1996 to 2013. Journal of Cleaner Production, 2016, 112, 2625-2631.	9.3	141
25	Spatial and Seasonal Trends in Biogenic Secondary Organic Aerosol Tracers and Water-Soluble Organic Carbon in the Southeastern United States. Environmental Science & Technology, 2008, 42, 5171-5176.	10.0	139
26	Characterization of ambient volatile organic compounds at a landfill site in Guangzhou, South China. Chemosphere, 2003, 51, 1015-1022.	8.2	136
27	Source Apportionment Using Radiocarbon and Organic Tracers for PM_{2.5} Carbonaceous Aerosols in Guangzhou, South China: Contrasting Local- and Regional-Scale Haze Events. Environmental Science & Technology, 2014, 48, 12002-12011.	10.0	132
28	The influence of temperature and aerosol acidity on biogenic secondary organic aerosol tracers: Observations at a rural site in the central Pearl River Delta region, South China. Atmospheric Environment, 2011, 45, 1303-1311.	4.1	131
29	Heterogeneous reactions of mineral dust aerosol: implications for tropospheric oxidation capacity. Atmospheric Chemistry and Physics, 2017, 17, 11727-11777.	4.9	129
30	Impacts of aerosols on summertime tropospheric photolysis frequencies and photochemistry over Central Eastern China. Atmospheric Environment, 2011, 45, 1817-1829.	4.1	127
31	Emission of volatile organic sulfur compounds (VOSCs) during aerobic decomposition of food wastes. Atmospheric Environment, 2010, 44, 5065-5071.	4.1	122
32	Source attributions of hazardous aromatic hydrocarbons in urban, suburban and rural areas in the Pearl River Delta (PRD) region. Journal of Hazardous Materials, 2013, 250-251, 403-411.	12.4	120
33	Characteristics of nonmethane hydrocarbons (NMHCs) in industrial, industrial-urban, and industrial-suburban atmospheres of the Pearl River Delta (PRD) region of south China. Journal of Geophysical Research, 2006, 111, .	3.3	119
34	Exposure to hazardous volatile organic compounds, PM10 and CO while walking along streets in urban Guangzhou, China. Atmospheric Environment, 2004, 38, 6177-6184.	4.1	117
35	Ambient levels of carbonyl compounds and their sources in Guangzhou, China. Atmospheric Environment, 2005, 39, 1789-1800.	4.1	117
36	Species profiles and normalized reactivity of volatile organic compounds from gasoline evaporation in China. Atmospheric Environment, 2013, 79, 110-118.	4.1	115

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37	The Campaign on Atmospheric Aerosol Research Network of China: CARE-China. Bulletin of the American Meteorological Society, 2015, 96, 1137-1155.	3.3	115
38	Characterization and Source Apportionment of Water-Soluble Organic Matter in Atmospheric Fine Particles (PM‹sub›2.5‹/sub›) with High-Resolution Aerosol Mass Spectrometry and GCâ€“MS. Environmental Science & Technology, 2011, 45, 4854-4861.	10.0	114
39	Role of aryl hydrocarbon receptor in cancer. Biochimica Et Biophysica Acta: Reviews on Cancer, 2013, 1836, 197-210.	7.4	113
40	Improvement of a Global High-Resolution Ammonia Emission Inventory for Combustion and Industrial Sources with New Data from the Residential and Transportation Sectors. Environmental Science & Technology, 2017, 51, 2821-2829.	10.0	113
41	Novel preparation of nanosized ZnOâ€“SnO2 with high photocatalytic activity by homogeneous co-precipitation method. Materials Letters, 2005, 59, 3641-3644.	2.6	110
42	Emission of PAHs, NPAHs and OPAHs from residential honeycomb coal briquette combustion. Energy & Fuels, 2014, 28, 636-642.	5.1	109
43	Headspace liquid-phase microextraction using ionic liquid as extractant for the preconcentration of dichlorodiphenyltrichloroethane and its metabolites at trace levels in water samples. Analytica Chimica Acta, 2006, 572, 165-171.	5.4	107
44	VOCs and OVOCs distribution and control policy implications in Pearl River Delta region, China. Atmospheric Environment, 2013, 76, 125-135.	4.1	107
45	Emission characterization, environmental impact, and control measure of PM2.5 emitted from agricultural crop residue burning in China. Journal of Cleaner Production, 2017, 149, 629-635.	9.3	107
46	Volatile organic compounds in roadside microenvironments of metropolitan Hong Kong. Atmospheric Environment, 2002, 36, 2039-2047.	4.1	103
47	Process analysis and sensitivity study of regional ozone formation over the Pearl River Delta, China, during the PRIDE-PRD2004 campaign using the Community Multiscale Air Quality modeling system. Atmospheric Chemistry and Physics, 2010, 10, 4423-4437.	4.9	102
48	Polybrominated Diphenyl Ethers in Airborne Particulates Collected during a Research Expedition from the Bohai Sea to the Arctic. Environmental Science & Technology, 2005, 39, 7803-7809.	10.0	99
49	Acute toxicity and genotoxicity of two novel pesticides on amphibian, Rana N. Hallowell. Chemosphere, 2004, 56, 457-463.	8.2	98
50	Secondary organic aerosols over oceans via oxidation of isoprene and monoterpenes from Arctic to Antarctic. Scientific Reports, 2013, 3, 2280.	3.3	98
51	Phase distribution, sources and risk assessment of PAHs, NPAHs and OPAHs in a rural site of Pearl River Delta region, China. Atmospheric Pollution Research, 2014, 5, 210-218.	3.8	98
52	Improved single-drop microextraction for high sensitive analysis. Journal of Chromatography A, 2007, 1139, 7-13.	3.7	96
53	On the relationship between ozone and its precursors in the Pearl River Delta: application of an observation-based model (OBM). Environmental Science and Pollution Research, 2010, 17, 547-560.	5.3	95
54	Introduction to the special issue â€œIn-depth study of air pollution sources and processes within Beijing and its surrounding region (APHH-Beijing)â€• Atmospheric Chemistry and Physics, 2019, 19, 7519-7546.	4.9	95

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55	Assessing photochemical ozone formation in the Pearl River Delta with a photochemical trajectory model. Atmospheric Environment, 2010, 44, 4199-4208.	4.1	94
56	Fine particles (PM2.5) at a CAWNET background site in Central China: Chemical compositions, seasonal variations and regional pollution events. Atmospheric Environment, 2014, 86, 193-202.	4.1	92
57	Indoor and outdoor carbonyl compounds in the hotel ballrooms in Guangzhou, China. Atmospheric Environment, 2004, 38, 103-112.	4.1	91
58	Haze insights and mitigation in China: An overview. Journal of Environmental Sciences, 2014, 26, 2-12.	6.1	91
59	Spatial distributions of secondary organic aerosols from isoprene, monoterpenes,Î²-caryophyllene, and aromatics over China during summer. Journal of Geophysical Research D: Atmospheres, 2014, 119, 11,877-11,891.	3.3	91
60	Secondary organic aerosol formation from photochemical aging of light-duty gasoline vehicle exhausts in a smog chamber. Atmospheric Chemistry and Physics, 2015, 15, 9049-9062.	4.9	90
61	Design and characterization of a smog chamber for studying gas-phase chemical mechanisms and aerosol formation. Atmospheric Measurement Techniques, 2014, 7, 301-313.	3.1	89
62	Emission factor of ammonia (NH ₃) from on-road vehicles in China: tunnel tests in urban Guangzhou. Environmental Research Letters, 2014, 9, 064027.	5.2	89
63	Organosulfates from Pinene and Isoprene over the Pearl River Delta, South China: Seasonal Variation and Implication in Formation Mechanisms. Environmental Science & Technology, 2014, 48, 9236-9245.	10.0	89
64	Emission factors of fine particles, carbonaceous aerosols and traces gases from road vehicles: Recent tests in an urban tunnel in the Pearl River Delta, China. Atmospheric Environment, 2015, 122, 876-884.	4.1	89
65	Assessing the genotoxicity of imidacloprid and RH-5849 in human peripheral blood lymphocytes in vitro with comet assay and cytogenetic tests. Ecotoxicology and Environmental Safety, 2005, 61, 239-246.	6.0	86
66	Preliminary measurements of aromatic VOCs in public transportation modes in Guangzhou, China. Environment International, 2003, 29, 429-435.	10.0	85
67	Ambient halocarbon mixing ratios in 45 Chinese cities. Atmospheric Environment, 2006, 40, 7706-7719.	4.1	84
68	Airborne submicron particulate (PM1) pollution in Shanghai, China: Chemical variability, formation/dissociation of associated semi-volatile components and the impacts on visibility. Science of the Total Environment, 2014, 473-474, 199-206.	8.0	84
69	Spatiotemporal patterns and source implications of aromatic hydrocarbons at six rural sites across China's developed coastal regions. Journal of Geophysical Research D: Atmospheres, 2016, 121, 6669-6687.	3.3	84
70	Photocatalytic degradation of mixed gaseous carbonyl compounds at low level on adsorptive TiO2/SiO2 photocatalyst using a fluidized bed reactor. Chemosphere, 2006, 64, 423-431.	8.2	83
71	Vertical distribution of PAHs in the indoor and outdoor PM2.5 in Guangzhou, China. Building and Environment, 2005, 40, 329-341.	6.9	81
72	Polycyclic aromatic hydrocarbons in PM2.5 in Guangzhou, southern China: Spatiotemporal patterns and emission sources. Journal of Hazardous Materials, 2012, 239-240, 78-87.	12.4	81

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73	Oxygen vacancies-enriched CoFe2O4 for peroxymonosulfate activation: The reactivity between radical-nonradical coupling way and bisphenol A. Journal of Hazardous Materials, 2021, 418, 126357.	12.4	81
74	A review of experimental techniques for aerosol hygroscopicity studies. Atmospheric Chemistry and Physics, 2019, 19, 12631-12686.	4.9	80
75	Characterization and source analysis of water-soluble inorganic ionic species in PM2.5 in Taiyuan city, China. Atmospheric Research, 2017, 184, 48-55.	4.1	79
76	Leachates of municipal solid waste incineration bottom ash from Macao: Heavy metal concentrations and genotoxicity. Chemosphere, 2007, 67, 1133-1137.	8.2	78
77	Levoglucosan indicates high levels of biomass burning aerosols over oceans from the Arctic to Antarctic. Scientific Reports, 2013, 3, 3119.	3.3	78
78	Impacts of seasonal and regional variability in biogenic VOC emissions on surface ozone in the Pearl River delta region, China. Atmospheric Chemistry and Physics, 2013, 13, 11803-11817.	4.9	78
79	Air quality improvement in response to intensified control strategies in Beijing during 2013â€“2019. Science of the Total Environment, 2020, 744, 140776.	8.0	78
80	Ambient air benzene at background sites in China's most developed coastal regions: Exposure levels, source implications and health risks. Science of the Total Environment, 2015, 511, 792-800.	8.0	77
81	Aromatic hydrocarbons as ozone precursors before and after outbreak of the 2008 financial crisis in the Pearl River Delta region, south China. Journal of Geophysical Research, 2012, 117, .	3.3	74
82	Enhanced trimethylamine-containing particles during fog events detected by single particle aerosol mass spectrometry in urban Guangzhou, China. Atmospheric Environment, 2012, 55, 121-126.	4.1	74
83	Ozone pollution around a coastal region of South China Sea: interaction between marine and continental air. Atmospheric Chemistry and Physics, 2018, 18, 4277-4295.	4.9	74
84	Decadal changes in emissions of volatile organic compounds (VOCs) from on-road vehicles with intensified automobile pollution control: Case study in a busy urban tunnel in south China. Environmental Pollution, 2018, 233, 806-819.	7.5	74
85	Indoor and outdoor carbonyl compounds and BTEX in the hospitals of Guangzhou, China. Science of the Total Environment, 2006, 368, 574-584.	8.0	73
86	Determination of phenols in environmental water samples by ionic liquid-based headspace liquid-phase microextraction coupled with high-performance liquid chromatography. Journal of Separation Science, 2007, 30, 42-47.	2.5	73
87	Mixing state of individual submicron carbon-containing particles during spring and fall seasons in urban Guangzhou, China: a case study. Atmospheric Chemistry and Physics, 2013, 13, 4723-4735.	4.9	73
88	Chemical and stable carbon isotopic composition of PM_{2.5} from on-road vehicle emissions in the PRD region and implications for vehicle emission control policy. Atmospheric Chemistry and Physics, 2015, 15, 3097-3108.	4.9	73
89	Sources and spatial distribution of particulate polycyclic aromatic hydrocarbons in Shanghai, China. Science of the Total Environment, 2017, 584-585, 307-317.	8.0	73
90	Characterization of photochemical pollution at different elevations in mountainous areas in Hong Kong. Atmospheric Chemistry and Physics, 2013, 13, 3881-3898.	4.9	72

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91	Severe haze episodes and seriously polluted fog water in Ji'nan, China. Science of the Total Environment, 2014, 493, 133-137.	8.0	71
92	Formation of secondary aerosols from gasoline vehicle exhaust when mixing with SO₂. Atmospheric Chemistry and Physics, 2016, 16, 675-689.	4.9	70
93	Aerosol scattering coefficients and major chemical compositions of fine particles observed at a rural site in the central Pearl River Delta, South China. Journal of Environmental Sciences, 2012, 24, 72-77.	6.1	69
94	Significant Production of Secondary Organic Aerosol from Emissions of Heated Cooking Oils. Environmental Science and Technology Letters, 2018, 5, 32-37.	8.7	69
95	Impacts of Siberian Biomass Burning on Organic Aerosols over the North Pacific Ocean and the Arctic: Primary and Secondary Organic Tracers. Environmental Science & Technology, 2013, 47, 3149-3157.	10.0	68
96	Seasonal variation of secondary organic aerosol tracers in Central Tibetan Plateau. Atmospheric Chemistry and Physics, 2015, 15, 8781-8793.	4.9	68
97	Heterogeneous activation of peroxymonosulfate for bisphenol A degradation using CoFe2O4 derived by hybrid cobalt-ion hexacyanoferrate nanoparticles. Chemical Engineering Journal, 2021, 404, 127052.	12.7	67
98	Ionic composition of submicron particles (PM1.0) during the long-lasting haze period in January 2013 in Wuhan, central China. Journal of Environmental Sciences, 2014, 26, 810-817.	6.1	66
99	Open burning of rice, corn and wheat straws: primary emissions, photochemical aging, and secondary organic aerosol formation. Atmospheric Chemistry and Physics, 2017, 17, 14821-14839.	4.9	66
100	Accumulation and translocation of ¹⁹⁸Hg in four crop species. Environmental Toxicology and Chemistry, 2014, 33, 334-340.	4.3	65
101	Composition profiles of organic aerosols from Chinese residential cooking: case study in urban Guangzhou, south China. Journal of Atmospheric Chemistry, 2015, 72, 1-18.	3.2	65
102	Source apportionment of atmospheric PAHs and their toxicity using PMF: Impact of gas/particle partitioning. Atmospheric Environment, 2015, 103, 114-120.	4.1	65
103	Atmospheric Photosensitization: A New Pathway for Sulfate Formation. Environmental Science & Technology, 2020, 54, 3114-3120.	10.0	65
104	Partitioning soil respiration of subtropical forests with different successional stages in south China. Forest Ecology and Management, 2007, 243, 178-186.	3.2	64
105	Mechanistic Insights on the Photosensitized Chemistry of a Fatty Acid at the Air/Water Interface. Environmental Science & Technology, 2016, 50, 11041-11048.	10.0	64
106	Volatile organic compounds at a rural site in Beijing: influence of temporary emission control and wintertime heating. Atmospheric Chemistry and Physics, 2018, 18, 12663-12682.	4.9	64
107	Evaluating the sensitivity of radical chemistry and ozone formation to ambient VOCs and NO_{<i>x</i>} in Beijing. Atmospheric Chemistry and Physics, 2021, 21, 2125-2147.	4.9	64
108	Release of Isoprene and Monoterpenes during the Aerobic Decomposition of Orange Wastes from Laboratory Incubation Experiments. Environmental Science & Technology, 2008, 42, 3265-3270.	10.0	63

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109	Abundance, composition and source of atmospheric PM_{2.5} at a remote site in the Tibetan Plateau, China. Tellus, Series B: Chemical and Physical Meteorology, 2022, 65, 20281.	1.6	63
110	Soil uptake of carbonyl sulfide in subtropical forests with different successional stages in south China. Journal of Geophysical Research, 2007, 112, .	3.3	62
111	Elevated levels of OH observed in haze events during wintertime in central Beijing. Atmospheric Chemistry and Physics, 2020, 20, 14847-14871.	4.9	62
112	Observation of biogenic secondary organic aerosols in the atmosphere of a mountain site in central China: temperature and relative humidity effects. Atmospheric Chemistry and Physics, 2013, 13, 11535-11549.	4.9	61
113	Sources of C2â€"C4 alkenes, the most important ozone nonmethane hydrocarbon precursors in the Pearl River Delta region. Science of the Total Environment, 2015, 502, 236-245.	8.0	61
114	Volatile organic compounds in a multi-storey shopping mall in guangzhou, South China. Atmospheric Environment, 2005, 39, 7374-7383.	4.1	60
115	Brominated Flame Retardants, Polychlorinated Biphenyls, and Organochlorine Pesticides in Bird Eggs from the Yellow River Delta, North China. Environmental Science & Technology, 2009, 43, 6956-6962.	10.0	59
116	PM 2.5 induced apoptosis in endothelial cell through the activation of the p53-bax-caspase pathway. Chemosphere, 2017, 177, 135-143.	8.2	59
117	Nitric oxide emission from a typical vegetable field in the Pearl River Delta, China. Atmospheric Environment, 2007, 41, 9498-9505.	4.1	58
118	Modelling VOC source impacts on high ozone episode days observed at a mountain summit in Hong Kong under the influence of mountain-valley breezes. Atmospheric Environment, 2013, 81, 166-176.	4.1	58
119	A comprehensive study of hygroscopic properties of calcium- and magnesium-containing salts: implication for hygroscopicity of mineral dust and sea salt aerosols. Atmospheric Chemistry and Physics, 2019, 19, 2115-2133.	4.9	58
120	Particle number concentration, size distribution and chemical composition during haze and photochemical smog episodes in Shanghai. Journal of Environmental Sciences, 2014, 26, 1894-1902.	6.1	57
121	A case study of the highly time-resolved evolution of aerosol chemical and optical properties in urban Shanghai, China. Atmospheric Chemistry and Physics, 2013, 13, 3931-3944.	4.9	56
122	Roadside and rooftop measurements of polycyclic aromatic hydrocarbons in PM2.5 in urban Guangzhou: Evaluation of vehicular and regional combustion source contributions. Atmospheric Environment, 2011, 45, 7184-7191.	4.1	53
123	Changes in visibility with PM2.5 composition and relative humidity at a background site in the Pearl River Delta region. Journal of Environmental Sciences, 2016, 40, 10-19.	6.1	53
124	Primary particulate emissions and secondary organic aerosol (SOA) formation from idling diesel vehicle exhaust in China. Science of the Total Environment, 2017, 593-594, 462-469.	8.0	53
125	Temporal distribution and source apportionment of PM2.5 chemical composition in Xinjiang, NW-China. Atmospheric Research, 2019, 218, 257-268.	4.1	53
126	Significant Increase of Aromatics-Derived Secondary Organic Aerosol during Fall to Winter in China. Environmental Science & Technology, 2017, 51, 7432-7441.	10.0	52

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127	An ozone episode in the Pearl River Delta: Field observation and model simulation. Journal of Geophysical Research, 2010, 115, .	3.3	51
128	Multi-pollutant emissions from the burning of major agricultural residues in China and the related health-economic effects. Atmospheric Chemistry and Physics, 2017, 17, 4957-4988.	4.9	50
129	Measurement report: Important contributions of oxygenated compounds to emissions and chemistry of volatile organic compounds in urban air. Atmospheric Chemistry and Physics, 2020, 20, 14769-14785.	4.9	50
130	Atmospheric Hexachlorocyclohexanes in the North Pacific Ocean and the Adjacent Arctic Region:Â Spatial Patterns, Chiral Signatures, and Seaâ^'Air Exchanges. Environmental Science & Technology, 2007, 41, 5204-5209.	10.0	49
131	Source and mixing state of iron-containing particles in Shanghai by individual particle analysis. Chemosphere, 2014, 95, 9-16.	8.2	49
132	Spatial and seasonal variations of isoprene secondary organic aerosol in China: Significant impact of biomass burning during winter. Scientific Reports, 2016, 6, 20411.	3.3	49
133	Household air pollution and personal exposure to nitrated and oxygenated polycyclic aromatics (PAHs) in rural households: Influence of household cooking energies. Indoor Air, 2017, 27, 169-178.	4.3	49
134	Implications of changing urban and rural emissions on non-methane hydrocarbons in the Pearl River Delta region of China. Atmospheric Environment, 2008, 42, 3780-3794.	4.1	48
135	Variation of secondary coatings associated with elemental carbon by single particle analysis. Atmospheric Environment, 2014, 92, 162-170.	4.1	48
136	Compositions and sources of organic acids in fine particles (PM2.5) over the Pearl River Delta region, south China. Journal of Environmental Sciences, 2014, 26, 110-121.	6.1	48
137	Characteristics of individual particles in the atmosphere of Guangzhou by single particle mass spectrometry. Atmospheric Research, 2015, 153, 286-295.	4.1	48
138	Characterizations of volatile organic compounds during high ozone episodes in Beijing, China. Environmental Monitoring and Assessment, 2012, 184, 1879-1889.	2.7	47
139	Particulate Matter Measurement Indoors: A Review of Metrics, Sensors, Needs, and Applications. Environmental Science & Technology, 2019, 53, 11644-11656.	10.0	47
140	Occurrence and Ordination of Dichlorodiphenyltrichloroethane and Hexachlorocyclohexane in Agricultural Soils from Guangzhou, China. Archives of Environmental Contamination and Toxicology, 2008, 54, 155-166.	4.1	46
141	Photoenhanced Uptake of NO₂ and HONO Formation on Real Urban Grime. Environmental Science and Technology Letters, 2019, 6, 413-417.	8.7	46
142	Trends of ambient fine particles and major chemical components in the Pearl River Delta region: Observation at a regional background site in fall and winter. Science of the Total Environment, 2014, 497-498, 274-281.	8.0	44
143	Attributing risk burden of PM2.5-bound polycyclic aromatic hydrocarbons to major emission sources: Case study in Guangzhou, south China. Atmospheric Environment, 2016, 142, 313-323.	4.1	44
144	Seasonal cycles of secondary organic aerosol tracers in rural Guangzhou, Southern China: The importance of atmospheric oxidants. Environmental Pollution, 2018, 240, 884-893.	7.5	44

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145	A review on evolution of nitrogen-containing species during selective pyrolysis of waste wood-based panels. Fuel, 2019, 253, 1214-1228.	6.4	44
146	Relative contributions of secondary organic aerosol formation from toluene, xylenes, isoprene, and monoterpenes in Hong Kong and Guangzhou in the Pearl River Delta, China: an emissionâ€based box modeling study. Journal of Geophysical Research D: Atmospheres, 2013, 118, 507-519.	3.3	43
147	Aromatic Photo-oxidation, A New Source of Atmospheric Acidity. Environmental Science & Technology, 2020, 54, 7798-7806.	10.0	43
148	Contemporary or Fossil Origin: Split of Estimated Secondary Organic Carbon in the Southeastern United States. Environmental Science & Technology, 2008, 42, 9122-9128.	10.0	42
149	In situ chemical composition measurement of individual cloud residue particles at aÂmountain site, southern China. Atmospheric Chemistry and Physics, 2017, 17, 8473-8488.	4.9	42
150	The size-dependent effects of silica nanoparticles on endothelial cell apoptosis through activating the p53-caspase pathway. Environmental Pollution, 2018, 233, 218-225.	7.5	42
151	Filter-based measurement of light absorption by brown carbon in PM2.5 in a megacity in South China. Science of the Total Environment, 2018, 633, 1360-1369.	8.0	42
152	Sensitivity analysis of an updated bidirectional airâ€"surface exchange model for elemental mercury vapor. Atmospheric Chemistry and Physics, 2014, 14, 6273-6287.	4.9	41
153	Evolution of biomass burning smoke particles in the dark. Atmospheric Environment, 2015, 120, 244-252.	4.1	41
154	Physiochemical properties of carbonaceous aerosol from agricultural residue burning: Density, volatility, and hygroscopicity. Atmospheric Environment, 2016, 140, 94-105.	4.1	41
155	Insight into the in-cloud formation of oxalate based on in situ measurement by single particle mass spectrometry. Atmospheric Chemistry and Physics, 2017, 17, 13891-13901.	4.9	41
156	Ambient PM2.5-bound polycyclic aromatic hydrocarbons (PAHs) in rural Beijing: Unabated with enhanced temporary emission control during the 2014 APEC summit and largely aggravated after the start of wintertime heating. Environmental Pollution, 2018, 238, 532-542.	7.5	41
157	Tracer-based source apportionment of polycyclic aromatic hydrocarbons in PM2.5 in Guangzhou, southern China, using positive matrix factorization (PMF). Environmental Science and Pollution Research, 2013, 20, 2398-2409.	5.3	40
158	Measuring OVOCs and VOCs by PTR-MS in an urban roadside microenvironment of Hong Kong: relative humidity and temperature dependence, and field intercomparisons. Atmospheric Measurement Techniques, 2016, 9, 5763-5779.	3.1	40
159	From headwaters to estuary: Distribution and fate of halogenated flame retardants (HFRs) in a river basin near the largest HFR manufacturing base in China. Science of the Total Environment, 2018, 621, 1370-1377.	8.0	40
160	Cyclic organosilicon compounds in ambient air in Guangzhou, Macau and Nanhai, Pearl River Delta. Applied Geochemistry, 2001, 16, 1447-1454.	3.0	39
161	Size-segregated chemical characteristics of aerosol during haze in an urban area of the Pearl River Delta region, China. Urban Climate, 2013, 4, 74-84.	5.7	39
162	Concentration, size distribution and dry deposition of amines in atmospheric particles of urban Guangzhou, China. Atmospheric Environment, 2017, 171, 279-288.	4.1	39

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163	Investigation of water adsorption and hygroscopicity of atmospherically relevant particles using aÂcommercial vapor sorption analyzer. Atmospheric Measurement Techniques, 2017, 10, 3821-3832.	3.1	39
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