

# Xin-Ming Wang

## List of Publications by Year in Descending Order

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

431  
papers

16,630  
citations

67  
h-index

112  
g-index

556  
ext. papers

19,964  
ext. citations

6.7  
avg, IF

6.7  
L-index

#	Paper	IF	Citations
431	Measurement report: Particle-size-dependent fluorescence properties of water-soluble organic compounds (WSOCs) and their atmospheric implications for the aging of WSOCs. <i>Atmospheric Chemistry and Physics</i> , <b>2022</b> , 22, 465-479	6.8	1
430	Design and characterization of a semi-open dynamic chamber for measuring biogenic volatile organic compound (BVOC) emissions from plants. <i>Atmospheric Measurement Techniques</i> , <b>2022</b> , 15, 79-93 <sup>4</sup>		0
429	N <sub>2</sub> O <sub>5</sub> uptake onto saline mineral dust: a potential missing source of tropospheric ClNO <sub>2</sub> in inland China. <i>Atmospheric Chemistry and Physics</i> , <b>2022</b> , 22, 1845-1859	6.8	1
428	Decrease in ambient volatile organic compounds during the COVID-19 lockdown period in the Pearl River Delta region, south China.. <i>Science of the Total Environment</i> , <b>2022</b> , 823, 153720	10.2	0
427	Application of smog chambers in atmospheric process studies.. <i>National Science Review</i> , <b>2022</b> , 9, nwab1033.8	3.8	3
426	Ozone episodes during and after the 2018 Chinese National Day holidays in Guangzhou: Implications for the control of precursor VOCs.. <i>Journal of Environmental Sciences</i> , <b>2022</b> , 114, 322-333	6.4	2
425	Direct observations indicate photodegradable oxygenated volatile organic compounds (OVOCs) as larger contributors to radicals and ozone production in the atmosphere. <i>Atmospheric Chemistry and Physics</i> , <b>2022</b> , 22, 4117-4128	6.8	1
424	The formation and mitigation of nitrate pollution: comparison between urban and suburban environments. <i>Atmospheric Chemistry and Physics</i> , <b>2022</b> , 22, 4539-4556	6.8	1
423	Chemical composition and sources of amines in PM in an urban site of PRD, China.. <i>Environmental Research</i> , <b>2022</b> , 113261	7.9	1
422	Evaluation on the enhanced solid biofuel from co-hydrothermal carbonization of pharmaceutical biowastes with lignite. <i>Fuel</i> , <b>2022</b> , 318, 123626	7.1	1
421	Hygroscopicity and cloud condensation nucleation activities of hydroxyalkylsulfonates.. <i>Science of the Total Environment</i> , <b>2022</b> , 154767	10.2	0
420	Secondary organic aerosol formation from photooxidation of CH under the presence of NH: Effects of seed particles.. <i>Environmental Research</i> , <b>2022</b> , 113064	7.9	0
419	Influence of meteorological parameters and oxidizing capacity on characteristics of airborne particulate amines in an urban area of the Pearl River Delta, China.. <i>Environmental Research</i> , <b>2022</b> , 212, 113212	7.9	0
418	Characteristics of Volatile Organic Compounds in the Pearl River Delta Region, China: Chemical Reactivity, Source, and Emission Regions. <i>Atmosphere</i> , <b>2022</b> , 13, 9	2.7	0
417	Abundance and Fractional Solubility of Aerosol Iron During Winter at a Coastal City in Northern China: Similarities and Contrasts Between Fine and Coarse Particles. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2022</b> , 127,	4.4	3
416	The optical properties and in-situ observational evidence for the formation of brown carbon in clouds. <i>Atmospheric Chemistry and Physics</i> , <b>2022</b> , 22, 4827-4839	6.8	0
415	Temporal Distribution and Source Apportionment of Composition of Ambient PM <sub>2.5</sub> in Urumqi, North-West China. <i>Atmosphere</i> , <b>2022</b> , 13, 781	2.7	0

4 <sup>14</sup>	Physical and chemical characterization of urban grime: An impact on the NO uptake coefficients and N-containing product compounds.. <i>Science of the Total Environment</i> , <b>2022</b> , 155973	10.2	2
4 <sup>13</sup>	Measurement report: Hygroscopic growth of ambient fine particles measured at five sites in China. <i>Atmospheric Chemistry and Physics</i> , <b>2022</b> , 22, 6773-6786	6.8	0
4 <sup>12</sup>	Evolution of light absorption properties during photochemical aging of straw open burning aerosols. <i>Science of the Total Environment</i> , <b>2022</b> , 838, 156431	10.2	0
4 <sup>11</sup>	Effects of pH on light absorption properties of water-soluble organic compounds in particulate matter emitted from typical emission sources. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 424, 127688	12.8	1
4 <sup>10</sup>	Contribution of Vehicle Emission and NO Surface Conversion to Nitrous Acid (HONO) in Urban Environments: Implications from Tests in a Tunnel. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 15616-15624	10.3	1
4 <sup>09</sup>	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> , <b>2021</b> , 21, 16631-16644	6.8	0
4 <sup>08</sup>	Morphology, composition and mixing state of individual airborne particles: Effects of the 2017 Action Plan in Beijing, China. <i>Journal of Cleaner Production</i> , <b>2021</b> , 329, 129748	10.3	6
4 <sup>07</sup>	Distribution and sources of PM-bound free silica in the atmosphere of hyper-arid regions in Hotan, North-West China.. <i>Science of the Total Environment</i> , <b>2021</b> , 810, 152368	10.2	1
4 <sup>06</sup>	Photochemical Aging of Atmospheric Fine Particles as a Potential Source for Gas-Phase Hydrogen Peroxide. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 15063-15071	10.3	2
4 <sup>05</sup>	Volatile Organic Compounds Monitored Online at Three Photochemical Assessment Monitoring Stations in the Pearl River Delta (PRD) Region during Summer 2016: Sources and Emission Areas. <i>Atmosphere</i> , <b>2021</b> , 12, 327	2.7	2
4 <sup>04</sup>	Observations of speciated isoprene nitrates in Beijing: implications for isoprene chemistry. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 6315-6330	6.8	0
4 <sup>03</sup>	Technical note: Measurement of chemically resolved volume equivalent diameter and effective density of particles by AAC-SPAMS. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 5605-5613	6.8	3
4 <sup>02</sup>	Seasonal Variations of Carbonyls and Their Contributions to the Ozone Formation in Urban Atmosphere of Taiyuan, China. <i>Atmosphere</i> , <b>2021</b> , 12, 510	2.7	2
4 <sup>01</sup>	Ambient naphthalene and methylnaphthalenes observed at an urban site in the Pearl River Delta region: Sources and contributions to secondary organic aerosol. <i>Atmospheric Environment</i> , <b>2021</b> , 252, 118295	5.3	3
4 <sup>00</sup>	Interactions of organosulfates with water vapor under sub- and supersaturated conditions. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 7135-7148	6.8	6
399	Detection of organosulfates and nitrooxy-organosulfates in Arctic and Antarctic atmospheric aerosols, using ultra-high resolution FT-ICR mass spectrometry. <i>Science of the Total Environment</i> , <b>2021</b> , 767, 144339	10.2	10
398	Decabromodiphenyl Ether versus Decabromodiphenyl Ethane: Source, Fate, and Influencing Factors in a Coastal Sea Nearing Source Region. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 7376-7385	10.3	2
397	Heterogeneous Reaction of CaCO <sub>3</sub> With NO <sub>2</sub> at Different Relative Humidities: Kinetics, Mechanisms, and Impacts on Aerosol Hygroscopicity. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2021JD034826	4.4	1

396	Palladium Nanoparticles on Covalent Organic Framework Supports as Catalysts for SuzukiMiyaura Cross-Coupling Reactions. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 6239-6249	5.6	7
395	Chemical characterization of oxygenated organic compounds in the gas phase and particle phase using iodide CIMS with FIGAERO in urban air. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 8455-8478	6.8	8
394	Effect of Inorganic Salts on N-Containing Organic Compounds Formed by Heterogeneous Reaction of NO with Oleic Acid. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 7831-7840	10.3	4
393	Higher contribution of coking sources to ozone formation potential from volatile organic compounds in summer in Taiyuan, China. <i>Atmospheric Pollution Research</i> , <b>2021</b> , 12, 101083	4.5	1
392	Importance of secondary organic aerosol formation of $\alpha$ -pinene, limonene, and m-cresol comparing day- and nighttime radical chemistry. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 8479-8498	6.8	2
391	Unexpected enhancement of ozone exposure and health risks during National Day in China. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 10347-10356	6.8	3
390	A review of measurement techniques for aerosol effective density. <i>Science of the Total Environment</i> , <b>2021</b> , 778, 146248	10.2	5
389	Emission factors of ammonia for on-road vehicles in urban areas from a tunnel study in south China with laser-absorption based measurements. <i>Environmental Pollution</i> , <b>2021</b> , 280, 116972	9.3	0
388	Measurement report: Emissions of intermediate-volatility organic compounds from vehicles under real-world driving conditions in an urban tunnel. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 10005-10013	6.8	5
387	Dietary supplementation with Bacillus mixture modifies the intestinal ecosystem of weaned piglets in an overall beneficial way. <i>Journal of Applied Microbiology</i> , <b>2021</b> , 130, 233-246	4.7	7
386	Atmospheric PM blocking up autophagic flux in HUVECs via inhibiting Sntaxin-17 and LAMP2. <i>Ecotoxicology and Environmental Safety</i> , <b>2021</b> , 208, 111450	7	3
385	Photochemistry of ozone pollution in autumn in Pearl River Estuary, South China. <i>Science of the Total Environment</i> , <b>2021</b> , 754, 141812	10.2	4
384	pH-Responsive Fluorescence EEM to Titrate the Interaction between Fluorophores and Acid/Base Groups in Water-Soluble Organic Compounds of PM2.5. <i>Environmental Science and Technology Letters</i> , <b>2021</b> , 8, 108-113	11	2
383	Heterogeneous activation of peroxymonosulfate for bisphenol A degradation using CoFe2O4 derived by hybrid cobalt-ion hexacyanoferrate nanoparticles. <i>Chemical Engineering Journal</i> , <b>2021</b> , 404, 127052	14.7	25
382	13-year nitrogen addition increases nonstructural carbon pools in subtropical forest trees in southern China. <i>Forest Ecology and Management</i> , <b>2021</b> , 481, 118748	3.9	3
381	Identification of PM2.5 sources contributing to both Brown carbon and reactive oxygen species generation in winter in Beijing, China. <i>Atmospheric Environment</i> , <b>2021</b> , 246, 118069	5.3	4
380	Filter-based absorption enhancement measurement for internally mixed black carbon particles over southern China. <i>Science of the Total Environment</i> , <b>2021</b> , 762, 144194	10.2	2
379	Evidence for the Formation of Imidazole from Carbonyls and Reduced Nitrogen Species at the Individual Particle Level in the Ambient Atmosphere. <i>Environmental Science and Technology Letters</i> , <b>2021</b> , 8, 9-15	11	6

378	Humidity and PM composition determine atmospheric light extinction in the arid region of northwest China. <i>Journal of Environmental Sciences</i> , <b>2021</b> , 100, 279-286	6.4	6
377	Stage-resolved in-cloud scavenging of submicron and BC-containing particles: A case study. <i>Atmospheric Environment</i> , <b>2021</b> , 244, 117883	5.3	3
376	Source, fate and budget of Dieldrin Plus (DP) in a typical semi-closed sea, China. <i>Environmental Pollution</i> , <b>2021</b> , 269, 116214	9.3	2
375	Using highly time-resolved online mass spectrometry to examine biogenic and anthropogenic contributions to organic aerosol in Beijing. <i>Faraday Discussions</i> , <b>2021</b> , 226, 382-408	3.6	3
374	Low-NO atmospheric oxidation pathways in a polluted megacity. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 1613-1625	6.8	6
373	Evaluating the sensitivity of radical chemistry and ozone formation to ambient VOCs and NO <sub>x</sub> in Beijing. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 2125-2147	6.8	22
372	Optical Properties of Secondary Organic Aerosol Produced by Nitrate Radical Oxidation of Biogenic Volatile Organic Compounds. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 2878-2889	10.3	10
371	Real-world emissions of carbonyls from vehicles in an urban tunnel in south China. <i>Atmospheric Environment</i> , <b>2021</b> , 258, 118491	5.3	3
370	Variation of Particle-Induced Oxidative Potential of PM <sub>2.5</sub> in Xinjiang, NW-China. <i>Atmosphere</i> , <b>2021</b> , 12, 1028	2.7	
369	Real-Time Characterization of Aerosol Compositions, Sources, and Aging Processes in Guangzhou During PRIDE-GBA 2018 Campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2021JD035114	4.4	6
368	Contributions of aerosol chemical composition and sources to light extinction during haze and non-haze days in Taiyuan, China. <i>Atmospheric Pollution Research</i> , <b>2021</b> , 12, 101140	4.5	1
367	Substantial changes of chemical composition and sources of fine particles during the period of COVID-19 pandemic in Taiyuan, Northern China. <i>Air Quality, Atmosphere and Health</i> , <b>2021</b> , 1-12	5.6	1
366	Spatio-temporal variations and input patterns on the legacy and novel brominated flame retardants (BFRs) in coastal rivers of North China. <i>Environmental Pollution</i> , <b>2021</b> , 283, 117093	9.3	7
365	Oxygen vacancies-enriched CoFeO for peroxydisulfate activation: The reactivity between radical-nonradical coupling way and bisphenol A. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 418, 126357	12.8	16
364	Source apportionment of VOCs in a typical medium-sized city in North China Plain and implications on control policy. <i>Journal of Environmental Sciences</i> , <b>2021</b> , 107, 26-37	6.4	6
363	Black Carbon Involved Photochemistry Enhances the Formation of Sulfate in the Ambient Atmosphere: Evidence From In Situ Individual Particle Investigation. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2021JD035226	4.4	2
362	Importance of Oxidants and Temperature in the Formation of Biogenic Organosulfates and Nitrooxy Organosulfates. <i>ACS Earth and Space Chemistry</i> , <b>2021</b> , 5, 2291-2306	3.2	5
361	Emissions and light absorption of carbonaceous aerosols from on-road vehicles in an urban tunnel in south China. <i>Science of the Total Environment</i> , <b>2021</b> , 790, 148220	10.2	1

360	Particles liquid water and acidity determine formation of secondary inorganic ions in Urumqi, NW China. <i>Atmospheric Research</i> , <b>2021</b> , 260, 105622	5.4	1
359	Secondary organic aerosols produced from photochemical oxidation of secondarily evaporated biomass burning organic gases: Chemical composition, toxicity, optical properties, and climate effect. <i>Environment International</i> , <b>2021</b> , 157, 106801	12.9	2
358	Role of Manganese Doping TiO <sub>2</sub> Hollow Spheres under Vacuum Ultraviolet Irradiation. <i>Kinetics and Catalysis</i> , <b>2021</b> , 62, 74-81	1.5	
357	Oxidation Flow Reactor Results in a Chinese Megacity Emphasize the Important Contribution of S/IVOCs to Ambient SOA Formation.. <i>Environmental Science &amp; Technology</i> , <b>2021</b> ,	10.3	3
356	Evaluating the effectiveness of multiple emission control measures on reducing volatile organic compounds in ambient air based on observational data: A case study during the 2010 Guangzhou Asian Games. <i>Science of the Total Environment</i> , <b>2020</b> , 723, 138171	10.2	4
355	Aromatic Photo-oxidation, A New Source of Atmospheric Acidity. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 7798-7806	10.3	19
354	The reductions of oxalate and its precursors in cloud droplets relative to wet particles. <i>Atmospheric Environment</i> , <b>2020</b> , 235, 117632	5.3	4
353	Significant Contribution of Primary Sources to Water-Soluble Organic Carbon During Spring in Beijing, China. <i>Atmosphere</i> , <b>2020</b> , 11, 395	2.7	2
352	Torrefaction of waste wood-based panels: More understanding from the combination of upgrading and denitrogenation properties. <i>Fuel Processing Technology</i> , <b>2020</b> , 206, 106462	7.2	9
351	Tuning of the Oxygen Species Linker on the Surface of Polymeric Carbon Nitride to Promote the Photocatalytic Hydrogen Evolution Performance. <i>ChemSusChem</i> , <b>2020</b> , 13, 3605-3613	8.3	5
350	Vertical profiles of biogenic volatile organic compounds as observed online at a tower in Beijing. <i>Journal of Environmental Sciences</i> , <b>2020</b> , 95, 33-42	6.4	9
349	Elevated levels of OH observed in haze events during wintertime in central Beijing <b>2020</b> ,		2
348	Methane emissions from on-road vehicles in China: a case study in an urban tunnel. <i>Environmental Research Communications</i> , <b>2020</b> , 2, 061005	3.1	1
347	Molecular composition and photochemical evolution of water-soluble organic carbon (WSOC) extracted from field biomass burning aerosols using high-resolution mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 6115-6128	6.8	6
346	Pyrolysis of hydrothermally pretreated biowastes: The controllability on the formation of NO <sub>x</sub> precursors. <i>Chemical Engineering Journal</i> , <b>2020</b> , 393, 124727	14.7	7
345	Light-Enhanced Heterogeneous Conversion of NO to HONO on Solid Films Consisting of Fluorene and Fluorene/NaSO: An Impact on Urban and Indoor Atmosphere. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 11079-11086	10.3	10
344	Legacy and novel halogenated flame retardants in seawater and atmosphere of the Bohai Sea: Spatial trends, seasonal variations, and influencing factors. <i>Water Research</i> , <b>2020</b> , 184, 116117	12.5	8
343	Tuning of the Oxygen Species Linker on the Surface of Polymeric Carbon Nitride to Promote the Photocatalytic Hydrogen Evolution Performance. <i>ChemSusChem</i> , <b>2020</b> , 13, 3543	8.3	1

342	Atmospheric Photosensitization: A New Pathway for Sulfate Formation. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 3114-3120	10.3	35
341	High secondary formation of nitrogen-containing organics (NOCs) and its possible link to oxidized organics and ammonium. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 1469-1481	6.8	9
340	Comprehensive characterization of hygroscopic properties of methanesulfonates. <i>Atmospheric Environment</i> , <b>2020</b> , 224, 117349	5.3	3
339	Observations of speciated isoprene nitrates in Beijing: implications for isoprene chemistry <b>2020</b> ,		3
338	Mechanisms of lung toxicity induced by biomass burning aerosols. <i>Particle and Fibre Toxicology</i> , <b>2020</b> , 17, 4	8.4	20
337	Evolution of Indoor Cooking Emissions Captured by Using Secondary Electrospray Ionization High-Resolution Mass Spectrometry. <i>Environmental Science and Technology Letters</i> , <b>2020</b> , 7, 76-81	11	16
336	Wet and Dry Nitrogen Depositions in the Pearl River Delta, South China: Observations at Three Typical Sites With an Emphasis on Water-Soluble Organic Nitrogen. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2019JD030983	4.4	7
335	Carbonaceous Aerosol Emitted from Biofuel Household Stove Combustion in South China. <i>Atmosphere</i> , <b>2020</b> , 11, 112	2.7	2
334	Comparison between idling and cruising gasoline vehicles in primary emissions and secondary organic aerosol formation during photochemical ageing. <i>Science of the Total Environment</i> , <b>2020</b> , 722, 137934	10.2	9
333	The large proportion of black carbon (BC)-containing aerosols in the urban atmosphere. <i>Environmental Pollution</i> , <b>2020</b> , 263, 114507	9.3	10
332	Source-oriented characterization of single particles from in-port ship emissions in Guangzhou, China. <i>Science of the Total Environment</i> , <b>2020</b> , 724, 138179	10.2	6
331	Dramatic increase in reactive volatile organic compound (VOC) emissions from ships at berth after implementing the fuel switch policy in the Pearl River Delta Emission Control Area. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 1887-1900	6.8	15
330	On mineral dust aerosol hygroscopicity. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 13611-13626	6.8	10
329	Tropospheric aerosol hygroscopicity in China. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 13877-13903	6.8	8
328	Impact of in-cloud aqueous processes on the chemical compositions and morphology of individual atmospheric aerosols. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 14063-14075	6.8	7
327	Measurements of higher alkanes using NO <sub>2</sub> <sup>+</sup> chemical ionization in PTR-ToF-MS: important contributions of higher alkanes to secondary organic aerosols in China. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 14123-14138	6.8	12
326	Nationwide increase of polycyclic aromatic hydrocarbons in ultrafine particles during winter over China revealed by size-segregated measurements. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 14581-14595	6.8	8
325	Measurement report: Important contributions of oxygenated compounds to emissions and chemistry of volatile organic compounds in urban air. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 14769-14785	6.8	17

324	Elevated levels of OH observed in haze events during wintertime in central Beijing. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 14847-14871	6.8	29
323	Surface atmosphere fluxes of volatile organic compounds in Beijing. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 15101-15125	6.8	6
322	Characterization of submicron particles by time-of-flight aerosol chemical speciation monitor (ToF-ACSM) during wintertime: aerosol composition, sources, and chemical processes in Guangzhou, China. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 7595-7615	6.8	16
321	A vacuum ultraviolet ion source (VUV-IS) for iodide chemical ionization mass spectrometry: a substitute for radioactive ion sources. <i>Atmospheric Measurement Techniques</i> , <b>2020</b> , 13, 3683-3696	4	5
320	Isoprene Mixing Ratios Measured at Twenty Sites in China During 2012–2014: Comparison With Model Simulation. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2020JD033523	4.4	3
319	A case study on the characterization of non-methane hydrocarbons over the South China Sea: Implication of land-sea air exchange. <i>Science of the Total Environment</i> , <b>2020</b> , 717, 134754	10.2	2
318	Heterogeneous reaction of NO with hematite, goethite and magnetite: Implications for nitrate formation and iron solubility enhancement. <i>Chemosphere</i> , <b>2020</b> , 242, 125273	8.4	10
317	Seasonal variation of amine-containing particles in urban Guangzhou, China. <i>Atmospheric Environment</i> , <b>2020</b> , 222, 117102	5.3	8
316	Large Variations in Hygroscopic Properties of Unconventional Mineral Dust. <i>ACS Earth and Space Chemistry</i> , <b>2020</b> , 4, 1823-1830	3.2	4
315	Air quality improvement in response to intensified control strategies in Beijing during 2013-2019. <i>Science of the Total Environment</i> , <b>2020</b> , 744, 140776	10.2	39
314	One-year characterization of organic aerosol markers in urban Beijing: Seasonal variation and spatiotemporal comparison. <i>Science of the Total Environment</i> , <b>2020</b> , 743, 140689	10.2	4
313	Impacts of water partitioning and polarity of organic compounds on secondary organic aerosol over eastern China. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 7291-7306	6.8	5
312	Emissions of nitrogen oxides and volatile organic compounds from liquefied petroleum gas-fueled taxis under idle and cruising modes. <i>Environmental Pollution</i> , <b>2020</b> , 267, 115623	9.3	11
311	Unexpectedly High Indoor HONO Concentrations Associated with Photochemical NO Transformation on Glass Windows. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 15680-15688	10.3	14
310	Predominant effects of emission reduction by recording 8-year water-soluble ions in precipitation in Taiyuan, North China. <i>Atmospheric Pollution Research</i> , <b>2020</b> , 11, 1922-1932	4.5	4
309	How efficiently can HEPA purifiers remove priority fine and ultrafine particles from indoor air?. <i>Environment International</i> , <b>2020</b> , 144, 106001	12.9	11
308	Measurements of higher alkanes using NO <sup>+</sup> -PTR-ToF-MS: significant contributions of higher alkanes to secondary organic aerosols in China <b>2020</b> ,		1
307	Measurements of traffic-dominated pollutant emissions in a Chinese megacity. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 8737-8761	6.8	17



306	Electrochemical recovery of low concentrated platinum (Pt) on nickel hexacyanoferrate nanoparticles film. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2020</b> , 111, 246-251	5.3	3
305	Stabilization for the secondary species contribution to PM2.5 in the Pearl River Delta (PRD) over the past decade, China: A meta-analysis. <i>Atmospheric Environment</i> , <b>2020</b> , 242, 117817	5.3	11
304	Enhanced Wet Deposition of Water-Soluble Organic Nitrogen During the Harvest Season: Influence of Biomass Burning and In-Cloud Scavenging. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2020JD032699	4.4	8
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41	Assessing the genotoxicity of imidacloprid and RH-5849 in human peripheral blood lymphocytes in vitro with comet assay and cytogenetic tests. <i>Ecotoxicology and Environmental Safety</i> , <b>2005</b> , 61, 239-46	7	74
40	Preparation and photocatalytic activity of ZnO/TiO <sub>2</sub> /SnO <sub>2</sub> mixture. <i>Journal of Solid State Chemistry</i> , <b>2005</b> , 178, 3500-3506	3.3	156
39	Ambient levels of carbonyl compounds and their sources in Guangzhou, China. <i>Atmospheric Environment</i> , <b>2005</b> , 39, 1789-1800	5.3	101
38	Volatile organic compounds in 43 Chinese cities. <i>Atmospheric Environment</i> , <b>2005</b> , 39, 5979-5990	5.3	282
37	Volatile organic compounds in a multi-storey shopping mall in Guangzhou, South China. <i>Atmospheric Environment</i> , <b>2005</b> , 39, 7374-7383	5.3	54

36	Novel preparation of nanosized ZnO/SnO <sub>2</sub> with high photocatalytic activity by homogeneous co-precipitation method. <i>Materials Letters</i> , <b>2005</b> , 59, 3641-3644	3.3	97
35	Indoor radon levels in selected hot spring hotels in Guangdong, China. <i>Science of the Total Environment</i> , <b>2005</b> , 339, 63-70	10.2	24
34	Photocatalytic degradation of gaseous trichloroethene using immobilized ZnO/SnO <sub>2</sub> coupled oxide in a flow-through photocatalytic reactor. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2005</b> , 80, 251-258	3.5	35
33	Vertical distribution of PAHs in the indoor and outdoor PM <sub>2.5</sub> in Guangzhou, China. <i>Building and Environment</i> , <b>2005</b> , 40, 329-341	6.5	76
32	A novel method for the stable carbon isotope analysis of atmospheric formaldehyde by means of cysteamine derivatization. <i>Rapid Communications in Mass Spectrometry</i> , <b>2005</b> , 19, 2469-72	2.2	3
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26	Particle-associated polycyclic aromatic hydrocarbons in urban air of Hong Kong. <i>Atmospheric Environment</i> , <b>2003</b> , 37, 5307-5317	5.3	463
25	Characterization of ambient volatile organic compounds at a landfill site in Guangzhou, South China. <i>Chemosphere</i> , <b>2003</b> , 51, 1015-22	8.4	116
24	Persistent organic pollutants in environment of the Pearl River Delta, China: an overview. <i>Chemosphere</i> , <b>2003</b> , 52, 1411-22	8.4	332
23	Preliminary measurements of aromatic VOCs in public transportation modes in Guangzhou, China. <i>Environment International</i> , <b>2003</b> , 29, 429-35	12.9	71
22	Volatile organic compounds in roadside microenvironments of metropolitan Hong Kong. <i>Atmospheric Environment</i> , <b>2002</b> , 36, 2039-2047	5.3	92
21	Urban roadside aromatic hydrocarbons in three cities of the Pearl River Delta, People's Republic of China. <i>Atmospheric Environment</i> , <b>2002</b> , 36, 5141-5148	5.3	133
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13	Measurement Report: important contributions of oxygenated compounds to emissions and chemistry of VOCs in urban air		2
12	Rainforest-like Atmospheric Chemistry in a Polluted Megacity		4
11	Evaluating the sensitivity of radical chemistry and ozone formation to ambient VOCs and NO <sub>x</sub> in Beijing		3
10	A case study of the highly time-resolved evolution of aerosol chemical and optical properties in urban Shanghai, China		1
9	Water-soluble organic carbon over the Pearl River Delta region during fall/winter: spatial variations and source apportionment		4
8	Observation of biogenic secondary organic aerosols in the atmosphere of a mountain site in central China: temperature and relative humidity effects		1
7	Impacts of seasonal and regional variability in biogenic VOC emissions on surface ozone in the Pearl River Delta region, China		2
6	Chemical and stable carbon isotopic composition of PM <sub>2.5</sub> from on-road vehicle emissions in the PRD region and implication for vehicle emission control policy		1
5	Observations of atmospheric mercury in China: a critical review		17
4	Source apportionment and dynamic changes of carbonaceous aerosols during the haze bloom/decay process in China based on radiocarbon and organic molecular tracers		2
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