

# Xin-Ming Wang

## List of Publications by Citations

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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	The Model of Emissions of Gases and Aerosols from Nature version 2.1 (MEGAN2.1): an extended and updated framework for modeling biogenic emissions. <i>Geoscientific Model Development</i> , <b>2012</b> , 5, 1471-1492	6.3	1751
430	Particle-associated polycyclic aromatic hydrocarbons in urban air of Hong Kong. <i>Atmospheric Environment</i> , <b>2003</b> , 37, 5307-5317	5.3	463
429	The health effects of ambient PM <sub>2.5</sub> and potential mechanisms. <i>Ecotoxicology and Environmental Safety</i> , <b>2016</b> , 128, 67-74	7	379
428	Synthesis of Nanoparticles with Novel Technology: High-Gravity Reactive Precipitation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2000</b> , 39, 948-954	3.9	361
427	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
426	Systematic review of Chinese studies of short-term exposure to air pollution and daily mortality. <i>Environment International</i> , <b>2013</b> , 54, 100-111	12.9	329
425	Volatile organic compounds in 43 Chinese cities. <i>Atmospheric Environment</i> , <b>2005</b> , 39, 5979-5990	5.3	282
424	Air pollution and control action in Beijing. <i>Journal of Cleaner Production</i> , <b>2016</b> , 112, 1519-1527	10.3	236
423	Volatile organic compounds (VOCs) in urban atmosphere of Hong Kong. <i>Chemosphere</i> , <b>2002</b> , 48, 375-82	8.4	228
422	Enhanced photocatalytic performance of nanosized coupled ZnO/SnO <sub>2</sub> photocatalysts for methyl orange degradation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2004</b> , 168, 47-52	4.7	225
421	Concentration levels, compositional profiles, and gas-particle partitioning of polybrominated diphenyl ethers in the atmosphere of an urban city in South China. <i>Environmental Science &amp; Technology</i> , <b>2006</b> , 40, 1190-6	10.3	205
420	Atmospheric polycyclic aromatic hydrocarbons observed over the North Pacific Ocean and the Arctic area: Spatial distribution and source identification. <i>Atmospheric Environment</i> , <b>2007</b> , 41, 2061-2072	5.3	166
419	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
418	Simultaneous removal of SO <sub>2</sub> , NO and Hg <sup>0</sup> by wet scrubbing using urea+KMnO <sub>4</sub> solution. <i>Fuel Processing Technology</i> , <b>2013</b> , 106, 645-653	7.2	153
417	Variations of ground-level O <sub>3</sub> and its precursors in Beijing in summertime between 2005 and 2011. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 6089-6101	6.8	148
416	Seasonal variations and chemical characteristics of PM <sub>2.5</sub> in Wuhan, central China. <i>Science of the Total Environment</i> , <b>2015</b> , 518-519, 97-105	10.2	136
415	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

414	Nitrogen isotopic signature of soil-released nitric oxide (NO) after fertilizer application. <i>Atmospheric Environment</i> , <b>2008</b> , 42, 4747-4754	5.3	125
413	Spatial and seasonal trends in biogenic secondary organic aerosol tracers and water-soluble organic carbon in the southeastern United States. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 5171-6	10.3	125
412	Tracer-based estimation of secondary organic carbon in the Pearl River Delta, south China. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		121
411	The major components of particles emitted during recycling of waste printed circuit boards in a typical e-waste workshop of South China. <i>Atmospheric Environment</i> , <b>2010</b> , 44, 4440-4445	5.3	119
410	Mixing state of biomass burning particles by single particle aerosol mass spectrometer in the urban area of PRD, China. <i>Atmospheric Environment</i> , <b>2011</b> , 45, 3447-3453	5.3	116
409	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
408	Observations of atmospheric mercury in China: a critical review. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 9455-9476	6.8	112
407	Industrial sector-based volatile organic compound (VOC) source profiles measured in manufacturing facilities in the Pearl River Delta, China. <i>Science of the Total Environment</i> , <b>2013</b> , 456-457, 127-36	10.2	108
406	Source apportionment using radiocarbon and organic tracers for PM <sub>2.5</sub> carbonaceous aerosols in Guangzhou, South China: contrasting local- and regional-scale haze events. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 12002-11	10.3	104
405	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. <i>Atmospheric Environment</i> , <b>2011</b> , 45, 1303-1311	5.3	104
404	Ambient levels of carbonyl compounds and their sources in Guangzhou, China. <i>Atmospheric Environment</i> , <b>2005</b> , 39, 1789-1800	5.3	101
403	An estimation of CO <sub>2</sub> emission via agricultural crop residue open field burning in China from 1996 to 2013. <i>Journal of Cleaner Production</i> , <b>2016</b> , 112, 2625-2631	10.3	99
402	Headspace liquid-phase microextraction using ionic liquid as extractant for the preconcentration of dichlorodiphenyltrichloroethane and its metabolites at trace levels in water samples. <i>Analytica Chimica Acta</i> , <b>2006</b> , 572, 165-71	6.6	99
401	The Campaign on Atmospheric Aerosol Research Network of China: CARE-China. <i>Bulletin of the American Meteorological Society</i> , <b>2015</b> , 96, 1137-1155	6.1	98
400	Impacts of aerosols on summertime tropospheric photolysis frequencies and photochemistry over Central Eastern China. <i>Atmospheric Environment</i> , <b>2011</b> , 45, 1817-1829	5.3	97
399	Exposure to hazardous volatile organic compounds, PM <sub>10</sub> and CO while walking along streets in urban Guangzhou, China. <i>Atmospheric Environment</i> , <b>2004</b> , 38, 6177-6184	5.3	97
398	Novel preparation of nanosized ZnO/nO <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
397	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 GC-MS. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 4854-61	10.3	96

396	Polybrominated diphenyl ethers in airborne particulates collected during a research expedition from the Bohai Sea to the Arctic. <i>Environmental Science &amp; Technology</i> , <b>2005</b> , 39, 7803-9	10.3	96
395	Characteristics of nonmethane hydrocarbons (NMHCs) in industrial, industrial-urban, and industrial-suburban atmospheres of the Pearl River Delta (PRD) region of south China. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		95
394	Improved single-drop microextraction for high sensitive analysis. <i>Journal of Chromatography A</i> , <b>2007</b> , 1139, 7-13	4.5	92
393	Volatile organic compounds in roadside microenvironments of metropolitan Hong Kong. <i>Atmospheric Environment</i> , <b>2002</b> , 36, 2039-2047	5.3	92
392	Emission of volatile organic sulfur compounds (VOSCs) during aerobic decomposition of food wastes. <i>Atmospheric Environment</i> , <b>2010</b> , 44, 5065-5071	5.3	89
391	Source attributions of hazardous aromatic hydrocarbons in urban, suburban and rural areas in the Pearl River Delta (PRD) region. <i>Journal of Hazardous Materials</i> , <b>2013</b> , 250-251, 403-11	12.8	88
390	Role of aryl hydrocarbon receptor in cancer. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , <b>2013</b> , 1836, 197-210	11.2	88
389	Heterogeneous reactions of mineral dust aerosol: implications for tropospheric oxidation capacity. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 11727-11777	6.8	85
388	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. <i>Atmospheric Chemistry and Physics</i> , <b>2010</b> , 10, 4423-4437	6.8	84
387	Assessing photochemical ozone formation in the Pearl River Delta with a photochemical trajectory model. <i>Atmospheric Environment</i> , <b>2010</b> , 44, 4199-4208	5.3	84
386	Indoor and outdoor carbonyl compounds in the hotel ballrooms in Guangzhou, China. <i>Atmospheric Environment</i> , <b>2004</b> , 38, 103-112	5.3	80
385	On the relationship between ozone and its precursors in the Pearl River Delta: application of an observation-based model (OBM). <i>Environmental Science and Pollution Research</i> , <b>2010</b> , 17, 547-60	5.1	79
384	Acute toxicity and genotoxicity of two novel pesticides on amphibian, Rana N. Hallowell. <i>Chemosphere</i> , <b>2004</b> , 56, 457-63	8.4	79
383	VOCs and OVOCs distribution and control policy implications in Pearl River Delta region, China. <i>Atmospheric Environment</i> , <b>2013</b> , 76, 125-135	5.3	78
382	Emission characterization, environmental impact, and control measure of PM2.5 emitted from agricultural crop residue burning in China. <i>Journal of Cleaner Production</i> , <b>2017</b> , 149, 629-635	10.3	77
381	Haze insights and mitigation in China: an overview. <i>Journal of Environmental Sciences</i> , <b>2014</b> , 26, 2-12	6.4	77
380	Species profiles and normalized reactivity of volatile organic compounds from gasoline evaporation in China. <i>Atmospheric Environment</i> , <b>2013</b> , 79, 110-118	5.3	77
379	Secondary organic aerosols over oceans via oxidation of isoprene and monoterpenes from Arctic to Antarctic. <i>Scientific Reports</i> , <b>2013</b> , 3, 2280	4.9	77

378	Improvement of a Global High-Resolution Ammonia Emission Inventory for Combustion and Industrial Sources with New Data from the Residential and Transportation Sectors. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 2821-2829	10.3	76
377	Fine particles (PM <sub>2.5</sub> ) at a CAWNET background site in Central China: Chemical compositions, seasonal variations and regional pollution events. <i>Atmospheric Environment</i> , <b>2014</b> , 86, 193-202	5.3	76
376	Phase distribution, sources and risk assessment of PAHs, NPAHs and OPAHs in a rural site of Pearl River Delta region, China. <i>Atmospheric Pollution Research</i> , <b>2014</b> , 5, 210-218	4.5	76
375	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
374	Photocatalytic degradation of mixed gaseous carbonyl compounds at low level on adsorptive TiO <sub>2</sub> /SiO <sub>2</sub> photocatalyst using a fluidized bed reactor. <i>Chemosphere</i> , <b>2006</b> , 64, 423-31	8.4	75
373	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
372	Introduction to the special issue In-depth study of air pollution sources and processes within Beijing and its surrounding region (APHH-Beijing) <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 7519-7546	6.8	73
371	Airborne submicron particulate (PM <sub>1</sub> ) 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> , <b>2014</b> , 473-474, 199-206	10.2	73
370	Emission of PAHs, NPAHs and OPAHs from residential honeycomb coal briquette combustion. <i>Energy &amp; Fuels</i> , <b>2014</b> , 28, 636-642	4.1	72
369	Ambient halocarbon mixing ratios in 45 Chinese cities. <i>Atmospheric Environment</i> , <b>2006</b> , 40, 7706-7719	5.3	71
368	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
367	Organosulfates from pinene and isoprene over the Pearl River Delta, South China: seasonal variation and implication in formation mechanisms. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 9236-45	10.3	70
366	Emission factor of ammonia (NH <sub>3</sub> ) from on-road vehicles in China: tunnel tests in urban Guangzhou. <i>Environmental Research Letters</i> , <b>2014</b> , 9, 064027	6.2	69
365	Levoglucosan indicates high levels of biomass burning aerosols over oceans from the Arctic to Antarctic. <i>Scientific Reports</i> , <b>2013</b> , 3, 3119	4.9	68
364	Spatial distributions of secondary organic aerosols from isoprene, monoterpenes, Caryophyllene, and aromatics over China during summer. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2014</b> , 119, 11,877-11,891	4.4	65
363	Polycyclic aromatic hydrocarbons in PM <sub>2.5</sub> in Guangzhou, southern China: spatiotemporal patterns and emission sources. <i>Journal of Hazardous Materials</i> , <b>2012</b> , 239-240, 78-87	12.8	65
362	Determination of phenols in environmental water samples by ionic liquid-based headspace liquid-phase microextraction coupled with high-performance liquid chromatography. <i>Journal of Separation Science</i> , <b>2007</b> , 30, 42-7	3.4	65
361	Severe haze episodes and seriously polluted fog water in Ji'nan, China. <i>Science of the Total Environment</i> , <b>2014</b> , 493, 133-7	10.2	64

360	Secondary organic aerosol formation from photochemical aging of light-duty gasoline vehicle exhausts in a smog chamber. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 9049-9062	6.8	64
359	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. <i>Atmospheric Environment</i> , <b>2015</b> , 122, 876-884	5.3	64
358	Aromatic hydrocarbons as ozone precursors before and after outbreak of the 2008 financial crisis in the Pearl River Delta region, south China. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		62
357	Leachates of municipal solid waste incineration bottom ash from Macao: heavy metal concentrations and genotoxicity. <i>Chemosphere</i> , <b>2007</b> , 67, 1133-7	8.4	61
356	Ambient air benzene at background sites in China's most developed coastal regions: exposure levels, source implications and health risks. <i>Science of the Total Environment</i> , <b>2015</b> , 511, 792-800	10.2	60
355	Design and characterization of a smog chamber for studying gas-phase chemical mechanisms and aerosol formation. <i>Atmospheric Measurement Techniques</i> , <b>2014</b> , 7, 301-313	4	59
354	Mixing state of individual submicron carbon-containing particles during spring and fall seasons in urban Guangzhou, China: a case study. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 4723-4735	6.8	59
353	Indoor and outdoor carbonyl compounds and BTEX in the hospitals of Guangzhou, China. <i>Science of the Total Environment</i> , <b>2006</b> , 368, 574-84	10.2	58
352	Partitioning soil respiration of subtropical forests with different successional stages in south China. <i>Forest Ecology and Management</i> , <b>2007</b> , 243, 178-186	3.9	58
351	Chemical and stable carbon isotopic composition of PM <sub>2.5</sub> from on-road vehicle emissions in the PRD region and implications for vehicle emission control policy. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 3097-3108	6.8	57
350	Impacts of seasonal and regional variability in biogenic VOC emissions on surface ozone in the Pearl River delta region, China. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 11803-11817	6.8	57
349	Enhanced trimethylamine-containing particles during fog events detected by single particle aerosol mass spectrometry in urban Guangzhou, China. <i>Atmospheric Environment</i> , <b>2012</b> , 55, 121-126	5.3	56
348	Characterization and source analysis of water-soluble inorganic ionic species in PM <sub>2.5</sub> in Taiyuan city, China. <i>Atmospheric Research</i> , <b>2017</b> , 184, 48-55	5.4	55
347	Brominated flame retardants, polychlorinated biphenyls, and organochlorine pesticides in bird eggs from the Yellow River Delta, North China. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 6956-62	10.3	55
346	Release of isoprene and monoterpenes during the aerobic decomposition of orange wastes from laboratory incubation experiments. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 3265-70	10.3	55
345	Source apportionment of atmospheric PAHs and their toxicity using PMF: Impact of gas/particle partitioning. <i>Atmospheric Environment</i> , <b>2015</b> , 103, 114-120	5.3	54
344	Aerosol scattering coefficients and major chemical compositions of fine particles observed at a rural site in the central Pearl River Delta, south China. <i>Journal of Environmental Sciences</i> , <b>2012</b> , 24, 72-7	6.4	54
343	Characterization of photochemical pollution at different elevations in mountainous areas in Hong Kong. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 3881-3898	6.8	54

342	Soil uptake of carbonyl sulfide in subtropical forests with different successional stages in south China. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		54
341	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
340	Ionic composition of submicron particles (PM <sub>1.0</sub> ) during the long-lasting haze period in January 2013 in Wuhan, central China. <i>Journal of Environmental Sciences</i> , <b>2014</b> , 26, 810-7	6.4	53
339	Impacts of Siberian biomass burning on organic aerosols over the North Pacific Ocean and the Arctic: primary and secondary organic tracers. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 3149-57	10.3	53
338	Nitric oxide emission from a typical vegetable field in the Pearl River Delta, China. <i>Atmospheric Environment</i> , <b>2007</b> , 41, 9498-9505	5.3	53
337	Formation of secondary aerosols from gasoline vehicle exhaust when mixing with SO <sub>2</sub> . <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 675-689	6.8	52
336	Particle number concentration, size distribution and chemical composition during haze and photochemical smog episodes in Shanghai. <i>Journal of Environmental Sciences</i> , <b>2014</b> , 26, 1894-902	6.4	51
335	Modelling VOC source impacts on high ozone episode days observed at a mountain summit in Hong Kong under the influence of mountain-valley breezes. <i>Atmospheric Environment</i> , <b>2013</b> , 81, 166-176	5.3	51
334	Spatiotemporal patterns and source implications of aromatic hydrocarbons at six rural sites across China's developed coastal regions. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 6669-6687	7.4	51
333	Roadside and rooftop measurements of polycyclic aromatic hydrocarbons in PM <sub>2.5</sub> in urban Guangzhou: Evaluation of vehicular and regional combustion source contributions. <i>Atmospheric Environment</i> , <b>2011</b> , 45, 7184-7191	5.3	50
332	Seasonal variation of secondary organic aerosol tracers in Central Tibetan Plateau. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 8781-8793	6.8	49
331	Sources and spatial distribution of particulate polycyclic aromatic hydrocarbons in Shanghai, China. <i>Science of the Total Environment</i> , <b>2017</b> , 584-585, 307-317	10.2	48
330	Composition profiles of organic aerosols from Chinese residential cooking: case study in urban Guangzhou, south China. <i>Journal of Atmospheric Chemistry</i> , <b>2015</b> , 72, 1-18	3.2	48
329	Abundance, composition and source of atmospheric PM <sub>2.5</sub> at a remote site in the Tibetan Plateau, China. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>2013</b> , 65, 20281	3.3	48
328	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. <i>Environmental Pollution</i> , <b>2018</b> , 233, 806-819	9.3	48
327	Accumulation and translocation of <sup>198</sup> Hg in four crop species. <i>Environmental Toxicology and Chemistry</i> , <b>2014</b> , 33, 334-40	3.8	47
326	A review of experimental techniques for aerosol hygroscopicity studies. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 12631-12686	6.8	46
325	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> , <b>2013</b> , 13, 3931-3944	6.8	45

324	PM induced apoptosis in endothelial cell through the activation of the p53-bax-caspase pathway. <i>Chemosphere</i> , <b>2017</b> , 177, 135-143	8.4	44
323	Mechanistic Insights on the Photosensitized Chemistry of a Fatty Acid at the Air/Water Interface. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 11041-11048	10.3	44
322	Implications of changing urban and rural emissions on non-methane hydrocarbons in the Pearl River Delta region of China. <i>Atmospheric Environment</i> , <b>2008</b> , 42, 3780-3794	5.3	44
321	Atmospheric Hexachlorocyclohexanes in the North Pacific Ocean and the adjacent Arctic region: spatial patterns, chiral signatures, and sea-air exchanges. <i>Environmental Science &amp; Technology</i> , <b>2007</b> , 41, 5204-9	10.3	44
320	Significant Production of Secondary Organic Aerosol from Emissions of Heated Cooking Oils. <i>Environmental Science and Technology Letters</i> , <b>2018</b> , 5, 32-37	11	43
319	Open burning of rice, corn and wheat straws: primary emissions, photochemical aging, and secondary organic aerosol formation. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 14821-14839	6.8	42
318	Observation of biogenic secondary organic aerosols in the atmosphere of a mountain site in central China: temperature and relative humidity effects. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 11535-11549	6.8	42
317	Volatile organic compounds at a rural site in Beijing: influence of temporary emission control and wintertime heating. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 12663-12682	6.8	42
316	Sources of C <sub>6</sub> -alkenes, the most important ozone nonmethane hydrocarbon precursors in the Pearl River Delta region. <i>Science of the Total Environment</i> , <b>2015</b> , 502, 236-45	10.2	41
315	Contemporary or fossil origin: split of estimated secondary organic carbon in the southeastern United States. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 9122-8	10.3	41
314	Primary particulate emissions and secondary organic aerosol (SOA) formation from idling diesel vehicle exhaust in China. <i>Science of the Total Environment</i> , <b>2017</b> , 593-594, 462-469	10.2	40
313	Spatial and seasonal variations of isoprene secondary organic aerosol in China: Significant impact of biomass burning during winter. <i>Scientific Reports</i> , <b>2016</b> , 6, 20411	4.9	40
312	Compositions and sources of organic acids in fine particles (PM <sub>2.5</sub> ) over the Pearl River Delta region, South China. <i>Journal of Environmental Sciences</i> , <b>2014</b> , 26, 110-21	6.4	39
311	Source and mixing state of iron-containing particles in Shanghai by individual particle analysis. <i>Chemosphere</i> , <b>2014</b> , 95, 9-16	8.4	39
310	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
309	Occurrence and ordination of dichlorodiphenyltrichloroethane and hexachlorocyclohexane in agricultural soils from Guangzhou, China. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2008</b> , 54, 155-66	3.2	38
308	Significant Increase of Aromatics-Derived Secondary Organic Aerosol during Fall to Winter in China. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 7432-7441	10.3	37
307	A comprehensive study of hygroscopic properties of calcium- and magnesium-containing salts: implication for hygroscopicity of mineral dust and sea salt aerosols. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 2115-2133	6.8	37



306	Ozone pollution around a coastal region of South China Sea: interaction between marine and continental air. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 4277-4295	6.8	37
305	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. <i>Science of the Total Environment</i> , <b>2014</b> , 497-498, 274-281	10.2	37
304	Tracer-based source apportionment of polycyclic aromatic hydrocarbons in PM2.5 in Guangzhou, southern China, using positive matrix factorization (PMF). <i>Environmental Science and Pollution Research</i> , <b>2013</b> , 20, 2398-409	5.1	37
303	An ozone episode in the Pearl River Delta: Field observation and model simulation. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		37
302	Changes in visibility with PM2.5 composition and relative humidity at a background site in the Pearl River Delta region. <i>Journal of Environmental Sciences</i> , <b>2016</b> , 40, 10-9	6.4	37
301	Characterizations of volatile organic compounds during high ozone episodes in Beijing, China. <i>Environmental Monitoring and Assessment</i> , <b>2012</b> , 184, 1879-89	3.1	36
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60	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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33	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
32	A case study of the highly time-resolved evolution of aerosol chemical and optical properties in urban Shanghai, China		1
31	Observation of biogenic secondary organic aerosols in the atmosphere of a mountain site in central China: temperature and relative humidity effects		1
30	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
29	Measurements of higher alkanes using NO <sub>x</sub> -PTR-ToF-MS: significant contributions of higher alkanes to secondary organic aerosols in China <b>2020</b> ,		1
28	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
27	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
26	PM <sub>2.5</sub> -bound unresolved complex mixtures (UCM) in the Pearl River Delta region: Abundance, atmospheric processes and sources. <i>Atmospheric Environment</i> , <b>2020</b> , 226, 117407	5.3	1
25	Volatile organic compounds at a rural site in Beijing: Influence of temporary emission control and wintertime heating <b>2018</b> ,		1
24	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
23	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
22	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
21	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
20	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
19	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



18	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
17	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
16	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
15	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
14	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
13	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
12	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
11	Hygroscopicity and cloud condensation nucleation activities of hydroxyalkylsulfonates.. <i>Science of the Total Environment</i> , <b>2022</b> , 154767	10.2	0
10	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
9	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
8	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
7	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
6	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
5	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	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
3	Characteristics of Non-Methane Hydrocarbons in the Atmosphere of Guangzhou. <i>Applied Mechanics and Materials</i> , <b>2011</b> , 66-68, 59-64	0.3	
2	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	
1	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	

