

Yan-Lin Zhang

List of Publications by Year in descending order

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2495
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#	ARTICLE	IF	CITATIONS
1	Important Role of NO ₃ Radical to Nitrate Formation Aloft in Urban Beijing: Insights from Triple Oxygen Isotopes Measured at the Tower. <i>Environmental Science & Technology</i> , 2022, 56, 6870-6879.	10.0	34
2	Improvement of inorganic aerosol component in PM _{2.5} by constraining aqueous-phase formation of sulfate in cloud with satellite retrievals: WRF-Chem simulations. <i>Science of the Total Environment</i> , 2022, 804, 150229.	8.0	8
3	Impacts of chemical degradation of levoglucosan on quantifying biomass burning contribution to carbonaceous aerosols: A case study in Northeast China. <i>Science of the Total Environment</i> , 2022, 819, 152007.	8.0	13
4	Light absorption and source apportionment of water soluble humic-like substances (HULIS) in PM _{2.5} at Nanjing, China. <i>Environmental Research</i> , 2022, 206, 112554.	7.5	12
5	Decrease of atmospheric black carbon and CO ₂ concentrations due to COVID-19 lockdown at the Mt. Waliguan WMO/GAW baseline station in China. <i>Environmental Research</i> , 2022, 211, 112984.	7.5	4
6	A diurnal story of δ ¹⁷ O($\delta^{17}\text{O}$) in urban Nanjing and its implication for nitrate aerosol formation. <i>Npj Climate and Atmospheric Science</i> , 2022, 5, .	6.8	15
7	Extremely high abundance of polycyclic aromatic hydrocarbons in aerosols from a typical coal-combustion rural site in China: Size distribution, source identification and cancer risk assessment. <i>Atmospheric Research</i> , 2021, 248, 105192.	4.1	11
8	Source apportionments of atmospheric volatile organic compounds in Nanjing, China during high ozone pollution season. <i>Chemosphere</i> , 2021, 263, 128025.	8.2	57
9	Specific sources of health risks induced by metallic elements in PM _{2.5} during the wintertime in Beijing, China. <i>Atmospheric Environment</i> , 2021, 246, 118112.	4.1	42
10	Determination of ¹⁷ O Anomaly in Atmospheric Aerosol Nitrate. <i>Chinese Journal of Analytical Chemistry</i> , 2021, 49, 253-262.	1.7	5
11	Substantial decreases of light absorption, concentrations and relative contributions of fossil fuel to light-absorbing carbonaceous aerosols attributed to the COVID-19 lockdown in east China. <i>Environmental Pollution</i> , 2021, 275, 116615.	7.5	15
12	Characteristics and source apportionment of non-polar organic compounds in PM _{2.5} from the three megacities in Yangtze River Delta region, China. <i>Atmospheric Research</i> , 2021, 252, 105443.	4.1	20
13	The mass-independent oxygen isotopic composition in sulfate aerosol—a useful tool to identify sulfate formation: a review. <i>Atmospheric Research</i> , 2021, 253, 105447.	4.1	7
14	Convergent evidence for the pervasive but limited contribution of biomass burning to atmospheric ammonia in peninsular Southeast Asia. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 7187-7198.	4.9	8
15	Highly time-resolved characterization of carbonaceous aerosols using a two-wavelength Sunset thermal-optical carbon analyzer. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 4053-4068.	3.1	4
16	Contribution of brown carbon to the light absorption and radiative effect of carbonaceous aerosols from biomass burning emissions in Chiang Mai, Thailand. <i>Atmospheric Environment</i> , 2021, 260, 118544.	4.1	15
17	Formation Mechanisms and Source Apportionments of Airborne Nitrate Aerosols at a Himalayan-Tibetan Plateau Site: Insights from Nitrogen and Oxygen Isotopic Compositions. <i>Environmental Science & Technology</i> , 2021, 55, 12261-12271.	10.0	17
18	Nitrate aerosol formation and source assessment in winter at different regions in Northeast China. <i>Atmospheric Environment</i> , 2021, 267, 118767.	4.1	13

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19	Measurement report: High contributions of halocarbon and aromatic compounds to atmospheric volatile organic compounds in an industrial area. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 18087-18099.	4.9	14
20	Coal and biomass burning as major emissions of NOX in Northeast China: Implication from dual isotopes analysis of fine nitrate aerosols. <i>Atmospheric Environment</i> , 2020, 242, 117762.	4.1	34
21	Atmospheric Volatile Organic Compounds (VOCs) in China: a Review. <i>Current Pollution Reports</i> , 2020, 6, 250-263.	6.6	106
22	Development of a Monitoring System for Semicontinuous Measurements of Stable Carbon Isotope Ratios in Atmospheric Carbonaceous Aerosols: Optimized Methods and Application to Field Measurements. <i>Analytical Chemistry</i> , 2020, 92, 14373-14382.	6.5	6
23	Roles of Sulfur Oxidation Pathways in the Variability in Stable Sulfur Isotopic Composition of Sulfate Aerosols at an Urban Site in Beijing, China. <i>Environmental Science and Technology Letters</i> , 2020, 7, 883-888.	8.7	21
24	Isomerization and Degradation of Levoglucosan via the Photo-Fenton Process: Insights from Aqueous-Phase Experiments and Atmospheric Particulate Matter. <i>Environmental Science & Technology</i> , 2020, 54, 11789-11797.	10.0	7
25	Specific sources of health risks caused by size-resolved PM-bound metals in a typical coal-burning city of northern China during the winter haze event. <i>Science of the Total Environment</i> , 2020, 734, 138651.	8.0	45
26	Molecular composition and source apportionment of fine organic aerosols in Northeast China. <i>Atmospheric Environment</i> , 2020, 239, 117722.	4.1	17
27	Characteristics of summertime ambient VOCs and their contributions to O3 and SOA formation in a suburban area of Nanjing, China. <i>Atmospheric Research</i> , 2020, 240, 104923.	4.1	73
28	Insight into the photochemistry of atmospheric oxalate through hourly measurements in the northern suburbs of Nanjing, China. <i>Science of the Total Environment</i> , 2020, 719, 137416.	8.0	7
29	Stable Sulfur Isotopes Revealed a Major Role of Transition-Metal Ion-Catalyzed SO ₂ Oxidation in Haze Episodes. <i>Environmental Science & Technology</i> , 2020, 54, 2626-2634.	10.0	63
30	Regional haze formation enhanced the atmospheric pollution levels in the Yangtze River Delta region, China: Implications for anthropogenic sources and secondary aerosol formation. <i>Science of the Total Environment</i> , 2020, 728, 138013.	8.0	22
31	Heterogeneous formation of particulate nitrate under ammonium-rich regimes during the high-PM _{2.5} events in Nanjing, China. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 3999-4011.	4.9	46
32	Changes of Emission Sources to Nitrate Aerosols in Beijing After the Clean Air Actions: Evidence From Dual Isotope Compositions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031998.	3.3	41
33	Size-resolved exposure risk of persistent free radicals (PFRs) in atmospheric aerosols and their potential sources. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 14407-14417.	4.9	20
34	Size-Resolved Characterization of the Chromophores in Atmospheric Particulate Matter From a Typical Coal-Burning City in China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 10546-10563.	3.3	39
35	Characterization of Secondary Organic Aerosol Tracers over Tianjin, North China during Summer to Autumn. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 2339-2352.	2.7	11
36	High time-resolved measurement of stable carbon isotope composition in water-soluble organic aerosols: method optimization and a case study during winter haze in eastern China. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 11071-11087.	4.9	20

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37	Chemical and optical properties of carbonaceous aerosols in Nanjing, eastern China: regionally transported biomass burning contribution. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 11213-11233.	4.9	46
38	Determination of Stable Nitrogen and Oxygen Isotope Ratios in Atmospheric Aerosol Nitrates. <i>Chinese Journal of Analytical Chemistry</i> , 2019, 47, 907-915.	1.7	11
39	Nitrogen Speciation and Isotopic Composition of Aerosols Collected at Himalayan Forest (3326 m) Tj ETQq1 1 0.784314 rgBT /Overlo 12247-12256.	10.0	27
40	Characterization of organic aerosols from a Chinese megacity during winter: predominance of fossil fuel combustion. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 5147-5164.	4.9	42
41	Isotope-based source apportionment of nitrogen-containing aerosols: A case study in an industrial city in China. <i>Atmospheric Environment</i> , 2019, 212, 96-105.	4.1	47
42	Isotopic constraints on the atmospheric sources and formation of nitrogenous species in clouds influenced by biomass burning. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 12221-12234.	4.9	19
43	Large contribution of fossil fuel derived secondary organic carbon to water soluble organic aerosols in winter haze in China. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 4005-4017.	4.9	49
44	Implications for biomass/coal combustion emissions and secondary formation of carbonaceous aerosols in North China. <i>RSC Advances</i> , 2018, 8, 38108-38117.	3.6	17
45	Characteristics and origins of air pollutants and carbonaceous aerosols during wintertime haze episodes at a rural site in the Yangtze River Delta, China. <i>Atmospheric Pollution Research</i> , 2017, 8, 900-911.	3.8	21
46	Chemical characteristics of dicarboxylic acids and related organic compounds in PM _{2.5} during biomass-burning and non-biomass-burning seasons at a rural site of Northeast China. <i>Environmental Pollution</i> , 2017, 231, 654-662.	7.5	72
47	Fossil and Nonfossil Sources of Organic and Elemental Carbon Aerosols in the Outflow from Northeast China. <i>Environmental Science & Technology</i> , 2016, 50, 6284-6292.	10.0	45
48	Aircraft observations of water-soluble dicarboxylic acids in the aerosols over China. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 6407-6419.	4.9	15
49	Stable carbon isotopic compositions of low molecular weight dicarboxylic acids, oxocarboxylic acids, dicarbonyls, and fatty acids: Implications for atmospheric processing of organic aerosols. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 3707-3717.	3.3	41
50	New directions: Need for better understanding of source and formation process of phthalic acid in aerosols as inferred from aircraft observations over China. <i>Atmospheric Environment</i> , 2016, 140, 147-149.	4.1	19
51	Inorganic markers, carbonaceous components and stable carbon isotope from biomass burning aerosols in Northeast China. <i>Science of the Total Environment</i> , 2016, 572, 1244-1251.	8.0	71
52	Fine particulate matter (PM _{2.5}) in China at a city level. <i>Scientific Reports</i> , 2015, 5, 14884.	3.3	595
53	Source Apportionment of Elemental Carbon in Beijing, China: Insights from Radiocarbon and Organic Marker Measurements. <i>Environmental Science & Technology</i> , 2015, 49, 8408-8415.	10.0	83
54	Wet deposition of fossil and non-fossil derived particulate carbon: Insights from radiocarbon measurement. <i>Atmospheric Environment</i> , 2015, 115, 257-262.	4.1	15

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55	Is it time to tackle PM2.5 air pollutions in China from biomass-burning emissions?. Environmental Pollution, 2015, 202, 217-219.	7.5	65
56	Online coupling of pure O2 thermo-optical methods with 14C AMS for source apportionment of carbonaceous aerosols. Nuclear Instruments & Methods in Physics Research B, 2015, 361, 288-293.	1.4	18
57	Micro-scale ($\hat{1}/4g$) radiocarbon analysis of water-soluble organic carbon in aerosol samples. Atmospheric Environment, 2014, 97, 1-5.	4.1	27
58	Radiocarbon-Based Source Apportionment of Carbonaceous Aerosols at a Regional Background Site on Hainan Island, South China. Environmental Science & Technology, 2014, 48, 2651-2659.	10.0	87
59	Microgram-Level Radiocarbon Determination of Carbonaceous Particles in Firn and Ice Samples: Pretreatment and OC/EC Separation. Radiocarbon, 2013, 55, 383-390.	1.8	13