Yan-Lin Zhang

List of Publications by Year
in descending order

59 papers	2,373 citations	257450 24 h-index	214800 47 g-index
64 all docs	64 docs citations	64 times ranked	2495 citing authors

#	Article	IF	Citations
1	Fine particulate matter (PM2.5) in China at a city level. Scientific Reports, 2015, 5, 14884.	3.3	595
2	Atmospheric Volatile Organic Compounds (VOCs) in China: a Review. Current Pollution Reports, 2020, 6, 250-263.	6.6	106
3	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
4	Source Apportionment of Elemental Carbon in Beijing, China: Insights from Radiocarbon and Organic Marker Measurements. Environmental Science & Technology, 2015, 49, 8408-8415.	10.0	83
5	Characteristics of summertime ambient VOCs and their contributions to O3 and SOA formation in a suburban area of Nanjing, China. Atmospheric Research, 2020, 240, 104923.	4.1	73
6	Chemical characteristics of dicarboxylic acids and related organic compounds in PM2.5 during biomass-burning and non-biomass-burning seasons at a rural site of Northeast China. Environmental Pollution, 2017, 231, 654-662.	7.5	72
7	Inorganic markers, carbonaceous components and stable carbon isotope from biomass burning aerosols in Northeast China. Science of the Total Environment, 2016, 572, 1244-1251.	8.0	71
8	Is it time to tackle PM2.5 air pollutions in China from biomass-burning emissions?. Environmental Pollution, 2015, 202, 217-219.	7.5	65
9	Stable Sulfur Isotopes Revealed a Major Role of Transition-Metal Ion-Catalyzed SO₂ Oxidation in Haze Episodes. Environmental Science & Technology, 2020, 54, 2626-2634.	10.0	63
10	Source apportionments of atmospheric volatile organic compounds in Nanjing, China during high ozone pollution season. Chemosphere, 2021, 263, 128025.	8.2	57
11	Large contribution of fossil fuel derived secondary organic carbon to water soluble organic aerosols in winter haze in China. Atmospheric Chemistry and Physics, 2018, 18, 4005-4017.	4.9	49
12	Isotope-based source apportionment of nitrogen-containing aerosols: A case study in an industrial city in China. Atmospheric Environment, 2019, 212, 96-105.	4.1	47
13	Chemical and optical properties of carbonaceous aerosols in Nanjing, eastern China: regionally transported biomass burning contribution. Atmospheric Chemistry and Physics, 2019, 19, 11213-11233.	4.9	46
14	Heterogeneous formation of particulate nitrate under ammonium-rich regimes during the high-PM_{2.5} events in Nanjing, China. Atmospheric Chemistry and Physics, 2020, 20, 3999-4011.	4.9	46
15	Fossil and Nonfossil Sources of Organic and Elemental Carbon Aerosols in the Outflow from Northeast China. Environmental Science & Technology, 2016, 50, 6284-6292.	10.0	45
16	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. Science of the Total Environment, 2020, 734, 138651.	8.0	45
17	Characterization of organic aerosols from a Chinese megacity during winter: predominance of fossil fuel combustion. Atmospheric Chemistry and Physics, 2019, 19, 5147-5164.	4.9	42
18	Specific sources of health risks induced by metallic elements in PM2.5 during the wintertime in Beijing, China. Atmospheric Environment, 2021, 246, 118112.	4.1	42

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19	Stable carbon isotopic compositions of lowâ€molecularâ€weight dicarboxylic acids, oxocarboxylic acids, Î±â€dicarbonyls, and fatty acids: Implications for atmospheric processing of organic aerosols. Journal of Geophysical Research D: Atmospheres, 2016, 121, 3707-3717.	3.3	41
20	Changes of Emission Sources to Nitrate Aerosols in Beijing After the Clean Air Actions: Evidence From Dual Isotope Compositions. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031998.	3.3	41
21	Sizeâ€Resolved Characterization of the Chromophores in Atmospheric Particulate Matter From a Typical Coalâ€Burning City in China. Journal of Geophysical Research D: Atmospheres, 2019, 124, 10546-10563.	3.3	39
22	Coal and biomass burning as major emissions of NOX in Northeast China: Implication from dual isotopes analysis of fine nitrate aerosols. Atmospheric Environment, 2020, 242, 117762.	4.1	34
23	Important Role of NO₃ Radical to Nitrate Formation Aloft in Urban Beijing: Insights from Triple Oxygen Isotopes Measured at the Tower. Environmental Science & Technology, 2022, 56, 6870-6879.	10.0	34
24	Micro-scale (Î¼g) radiocarbon analysis of water-soluble organic carbon in aerosol samples. Atmospheric Environment, 2014, 97, 1-5.	4.1	27
25	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
26	Regional haze formation enhanced the atmospheric pollution levels in the Yangtze River Delta region, China: Implications for anthropogenic sources and secondary aerosol formation. Science of the Total Environment, 2020, 728, 138013.	8.0	22
27	Characteristics and origins of air pollutants and carbonaceous aerosols during wintertime haze episodes at a rural site in the Yangtze River Delta, China. Atmospheric Pollution Research, 2017, 8, 900-911.	3.8	21
28	Roles of Sulfur Oxidation Pathways in the Variability in Stable Sulfur Isotopic Composition of Sulfate Aerosols at an Urban Site in Beijing, China. Environmental Science and Technology Letters, 2020, 7, 883-888.	8.7	21
29	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. Atmospheric Chemistry and Physics, 2019, 19, 11071-11087.	4.9	20
30	Characteristics and source apportionment of non-polar organic compounds in PM2.5 from the three megacities in Yangtze River Delta region, China. Atmospheric Research, 2021, 252, 105443.	4.1	20
31	Size-resolved exposure risk of persistent free radicals (PFRs) in atmospheric aerosols and their potential sources. Atmospheric Chemistry and Physics, 2020, 20, 14407-14417.	4.9	20
32	New directions: Need for better understanding of source and formation process of phthalic acid in aerosols as inferred from aircraft observations over China. Atmospheric Environment, 2016, 140, 147-149.	4.1	19
33	Isotopic constraints on the atmospheric sources and formation of nitrogenous species in clouds influenced by biomass burning. Atmospheric Chemistry and Physics, 2019, 19, 12221-12234.	4.9	19
34	Online coupling of pure O2 thermo-optical methods â€“ 14C AMS for source apportionment of carbonaceous aerosols. Nuclear Instruments & Methods in Physics Research B, 2015, 361, 288-293.	1.4	18
35	Implications for biomass/coal combustion emissions and secondary formation of carbonaceous aerosols in North China. RSC Advances, 2018, 8, 38108-38117.	3.6	17
36	Molecular composition and source apportionment of fine organic aerosols in Northeast China. Atmospheric Environment, 2020, 239, 117722.	4.1	17

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37	Formation Mechanisms and Source Apportionments of Airborne Nitrate Aerosols at a Himalayan-Tibetan Plateau Site: Insights from Nitrogen and Oxygen Isotopic Compositions. Environmental Science & Technology, 2021, 55, 12261-12271.	10.0	17
38	Wet deposition of fossil and non-fossil derived particulate carbon: Insights from radiocarbon measurement. Atmospheric Environment, 2015, 115, 257-262.	4.1	15
39	Aircraft observations of water-soluble dicarboxylic acids in the aerosols over China. Atmospheric Chemistry and Physics, 2016, 16, 6407-6419.	4.9	15
40	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. Environmental Pollution, 2021, 275, 116615.	7.5	15
41	Contribution of brown carbon to the light absorption and radiative effect of carbonaceous aerosols from biomass burning emissions in Chiang Mai, Thailand. Atmospheric Environment, 2021, 260, 118544.	4.1	15
42	A diurnal story of Î”17O($$m{NO}_{3}^{-}$$) in urban Nanjing and its implication for nitrate aerosol formation. Npj Climate and Atmospheric Science, 2022, 5, .	6.8	15
43	Measurement report: High contributions of halocarbon and aromatic compounds to atmospheric volatile organic compounds in an industrial area. Atmospheric Chemistry and Physics, 2021, 21, 18087-18099.	4.9	14
44	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
45	Nitrate aerosol formation and source assessment in winter at different regions in Northeast China. Atmospheric Environment, 2021, 267, 118767.	4.1	13
46	Impacts of chemical degradation of levoglucosan on quantifying biomass burning contribution to carbonaceous aerosols: A case study in Northeast China. Science of the Total Environment, 2022, 819, 152007.	8.0	13
47	Light absorption and source apportionment of water soluble humic-like substances (HULIS) in PM2.5 at Nanjing, China. Environmental Research, 2022, 206, 112554.	7.5	12
48	Characterization of Secondary Organic Aerosol Tracers over Tianjin, North China during Summer to Autumn. ACS Earth and Space Chemistry, 2019, 3, 2339-2352.	2.7	11
49	Determination of Stable Nitrogen and Oxygen Isotope Ratios in Atmospheric Aerosol Nitrates. Chinese Journal of Analytical Chemistry, 2019, 47, 907-915.	1.7	11
50	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. Atmospheric Research, 2021, 248, 105192.	4.1	11
51	Convergent evidence for the pervasive but limited contribution of biomass burning to atmospheric ammonia in peninsular Southeast Asia. Atmospheric Chemistry and Physics, 2021, 21, 7187-7198.	4.9	8
52	Improvement of inorganic aerosol component in PM2.5 by constraining aqueous-phase formation of sulfate in cloud with satellite retrievals: WRF-Chem simulations. Science of the Total Environment, 2022, 804, 150229.	8.0	8
53	Isomerization and Degradation of Levoglucosan via the Photo-Fenton Process: Insights from Aqueous-Phase Experiments and Atmospheric Particulate Matter. Environmental Science & Technology, 2020, 54, 11789-11797.	10.0	7
54	Insight into the photochemistry of atmospheric oxalate through hourly measurements in the northern suburbs of Nanjing, China. Science of the Total Environment, 2020, 719, 137416.	8.0	7

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55	The mass-independent oxygen isotopic composition in sulfate aerosol-a useful tool to identify sulfate formation: a review. Atmospheric Research, 2021, 253, 105447.	4.1	7
56	Development of a Monitoring System for Semicontinuous Measurements of Stable Carbon Isotope Ratios in Atmospheric Carbonaceous Aerosols: Optimized Methods and Application to Field Measurements. Analytical Chemistry, 2020, 92, 14373-14382.	6.5	6
57	Determination of 17O Anomaly in Atmospheric Aerosol Nitrate. Chinese Journal of Analytical Chemistry, 2021, 49, 253-262.	1.7	5
58	Highly time-resolved characterization of carbonaceous aerosols using a two-wavelength Sunset thermalâ€“optical carbon analyzer. Atmospheric Measurement Techniques, 2021, 14, 4053-4068.	3.1	4
59	Decrease of atmospheric black carbon and CO2 concentrations due to COVID-19 lockdown at the Mt. Waliguan WMO/GAW baseline station in China. Environmental Research, 2022, 211, 112984.	7.5	4