

Fang Cao

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,495
citations

471509

17
h-index

361022

35
g-index

37
all docs

37
docs citations

37
times ranked

2059
citing authors

#	ARTICLE	IF	CITATIONS
1	Fine particulate matter (PM _{2.5}) in China at a city level. <i>Scientific Reports</i> , 2015, 5, 14884.	3.3	595
2	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
3	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
4	Is it time to tackle PM _{2.5} air pollutions in China from biomass-burning emissions?. <i>Environmental Pollution</i> , 2015, 202, 217-219.	7.5	65
5	Nitrogen isotope fractionation during gas-to-particle conversion of NO _x to NO ₃ in the atmosphere: implications for isotope-based source apportionment. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 11647-11661.	4.9	65
6	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
7	High Contribution of Nonfossil Sources to Submicrometer Organic Aerosols in Beijing, China. <i>Environmental Science & Technology</i> , 2017, 51, 7842-7852.	10.0	58
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	High Time- and Size-Resolved Measurements of PM and Chemical Composition from Coal Combustion: Implications for the EC Formation Process. <i>Environmental Science & Technology</i> , 2018, 52, 6676-6685.	10.0	55
10	Non-agricultural sources dominate the atmospheric NH ₃ in Xi'an, a megacity in the semi-arid region of China. <i>Science of the Total Environment</i> , 2020, 722, 137756.	8.0	50
11	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
12	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
13	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
14	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
15	Nitrogen Speciation and Isotopic Composition of Aerosols Collected at Himalayan Forest (3326 m). <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD035114.	10.0	27
16	New insights into the sources and formation of carbonaceous aerosols in China: potential applications of dual-carbon isotopes. <i>National Science Review</i> , 2017, 4, 804-806.	9.5	21
17	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
18	Nitrogen isotope characteristics and source apportionment of atmospheric ammonium in urban cities during a haze event in Northern China Plain. <i>Atmospheric Environment</i> , 2022, 269, 118800.	4.1	16

#	ARTICLE	IF	CITATIONS
19	Nitrate aerosol formation and source assessment in winter at different regions in Northeast China. <i>Atmospheric Environment</i> , 2021, 267, 118767.	4.1	13
20	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
21	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
22	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
23	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
24	Tightening nonfossil emissions control: A potential opportunity for PM _{2.5} mitigation in China. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E1402.	7.1	7
25	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
26	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
27	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
28	Atmospheric Chemistry of Oxalate: Insight Into the Role of Relative Humidity and Aerosol Acidity From High-Resolution Observation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	3