Chunlei Cheng

List of Publications by Year
in descending order

32 papers	2,176 citations	361413 20 h-index	414414 32 g-index
38 all docs	38 docs citations	38 times ranked	2233 citing authors

#	Article	IF	Citations
1	Persistent sulfate formation from London Fog to Chinese haze. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13630-13635.	7.1	1,044
2	Molecular Distribution and Stable Carbon Isotopic Composition of Dicarboxylic Acids, Ketocarboxylic Acids, and Î±-Dicarbonyls in Size-Resolved Atmospheric Particles From Xiâ€™an City, China. Environmental Science & Technology, 2012, 46, 4783-4791.	10.0	118
3	Impact of Gobi desert dust on aerosol chemistry of Xi'an, inland China during spring 2009: differences in composition and size distribution between the urban ground surface and the mountain atmosphere. Atmospheric Chemistry and Physics, 2013, 13, 819-835.	4.9	118
4	Possible heterogeneous chemistry of hydroxymethanesulfonate (HMS) in northern China winter haze. Atmospheric Chemistry and Physics, 2019, 19, 1357-1371.	4.9	97
5	Comparison of dicarboxylic acids and related compounds in aerosol samples collected in Xi'an, China during haze and clean periods. Atmospheric Environment, 2013, 81, 443-449.	4.1	70
6	Observation of atmospheric aerosols at Mt. Hua and Mt. Tai in central and east China during spring 2009 â€“ Part 1: EC, OC and inorganic ions. Atmospheric Chemistry and Physics, 2011, 11, 4221-4235.	4.9	53
7	Atmospheric oxalic acid and related secondary organic aerosols inÂQinghai Lake, a continental background site in Tibet Plateau. Atmospheric Environment, 2013, 79, 582-589.	4.1	49
8	Evolution of aerosol chemistry in Xi'an, inland China, during the dust storm period of 2013 â€“ Part 1: Sources, chemical forms and formation mechanisms of nitrate and sulfate. Atmospheric Chemistry and Physics, 2014, 14, 11571-11585.	4.9	49
9	Chemical composition and size distribution of wintertime aerosols in the atmosphere of Mt. Hua in central China. Atmospheric Environment, 2011, 45, 1251-1258.	4.1	48
10	Seasonal characteristics of oxalic acid and related SOA in the free troposphere of Mt. Hua, central China: Implications for sources and formation mechanisms. Science of the Total Environment, 2014, 493, 1088-1097.	8.0	47
11	Size-resolved airborne particulate oxalic and related secondary organic aerosol species in the urban atmosphere of Chengdu, China. Atmospheric Research, 2015, 161-162, 134-142.	4.1	47
12	Field observation on secondary organic aerosols during Asian dust storm periods: Formation mechanism of oxalic acid and related compounds on dust surface. Atmospheric Environment, 2015, 113, 169-176.	4.1	46
13	Identification of chemical compositions and sources of atmospheric aerosols in Xi'an, inland China during two types of haze events. Science of the Total Environment, 2016, 566-567, 230-237.	8.0	40
14	Amplification of black carbon light absorption induced by atmospheric aging: temporal variation at seasonal and diel scales in urban Guangzhou. Atmospheric Chemistry and Physics, 2020, 20, 2445-2470.	4.9	38
15	Observation of atmospheric aerosols at Mt. Hua and Mt. Tai in central and east China during spring 2009 â€“ Part 2: Impact of dust storm on organic aerosol composition and size distribution. Atmospheric Chemistry and Physics, 2012, 12, 4065-4080.	4.9	36
16	Mixing state of oxalic acid containing particles in the rural area of Pearl River Delta, China: implications for the formation mechanism of oxalic acid. Atmospheric Chemistry and Physics, 2017, 17, 9519-9533.	4.9	36
17	Field comparison of electrochemical gas sensor data correction algorithms for ambient air measurements. Sensors and Actuators B: Chemical, 2021, 327, 128897.	7.8	36
18	Characteristics and mixing state of amine-containing particles at a rural site in the Pearl River Delta, China. Atmospheric Chemistry and Physics, 2018, 18, 9147-9159.	4.9	31

#	Article	IF	Citations
19	Airborne particulate organics at the summit (2060m, a.s.l.) of Mt. Hua in central China during winter: Implications for biofuel and coal combustion. Atmospheric Research, 2012, 106, 108-119.	4.1	27
20	The formation and mitigation of nitrate pollution: comparison between urban and suburban environments. Atmospheric Chemistry and Physics, 2022, 22, 4539-4556.	4.9	27
21	Summertime atmospheric dicarboxylic acids and related SOA in the background region of Yangtze River Delta, China: Implications for heterogeneous reaction of oxalic acid with sea salts. Science of the Total Environment, 2021, 757, 143741.	8.0	15
22	Real-time chemical characterization of single ambient particles at a port city in Chinese domestic emission control area â€" Impacts of ship emissions on urban air quality. Science of the Total Environment, 2022, 819, 153117.	8.0	15
23	Single particle diversity and mixing state of carbonaceous aerosols in Guangzhou, China. Science of the Total Environment, 2021, 754, 142182.	8.0	14
24	Real time analysis of lead-containing atmospheric particles in Guangzhou during wintertime using single particle aerosol mass spectrometry. Ecotoxicology and Environmental Safety, 2019, 168, 53-63.	6.0	12
25	Exploration of O3-precursor relationship and observation-oriented O3 control strategies in a non-provincial capital city, southwestern China. Science of the Total Environment, 2021, 800, 149422.	8.0	12
26	Source-oriented characterization of single particles from in-port ship emissions in Guangzhou, China. Science of the Total Environment, 2020, 724, 138179.	8.0	11
27	The enhanced mixing states of oxalate with metals in single particles in Guangzhou, China. Science of the Total Environment, 2021, 783, 146962.	8.0	10
28	Diverse mixing states of amine-containing single particles in Nanjing, China. Atmospheric Chemistry and Physics, 2021, 21, 17953-17967.	4.9	9
29	Characteristics and source apportionment of ambient single particles in Tianjin, China: The close association between oxalic acid and biomass burning. Atmospheric Research, 2020, 237, 104843.	4.1	8
30	Enhanced mixing state of black carbon with nitrate in single particles during haze periods in Zhengzhou, China. Journal of Environmental Sciences, 2022, 111, 185-196.	6.1	4
31	Insights into the different mixing states and formation processes of amine-containing single particles in Guangzhou, China. Science of the Total Environment, 2022, 846, 157440.	8.0	4
32	Primary emissions and secondary production of organic aerosols from heated animal fats. Science of the Total Environment, 2021, 794, 148638.	8.0	2