

Li Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

624
citations

623734

14
h-index

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28
all docs

28
docs citations

28
times ranked

720
citing authors

#	ARTICLE	IF	CITATIONS
1	Sulfate formation is dominated by manganese-catalyzed oxidation of SO ₂ on aerosol surfaces during haze events. <i>Nature Communications</i> , 2021, 12, 1993.	12.8	128
2	Dual drug delivery and sequential release by amphiphilic Janus nanoparticles for liver cancer theranostics. <i>Biomaterials</i> , 2018, 181, 113-125.	11.4	97
3	Temporal and spatial distribution characteristics and source origins of volatile organic compounds in a megacity of Sichuan Basin, China. <i>Environmental Research</i> , 2020, 185, 109478.	7.5	34
4	Component characteristics and source apportionment of volatile organic compounds during summer and winter in downtown Chengdu, southwest China. <i>Atmospheric Environment</i> , 2021, 258, 118485.	4.1	34
5	The Optical Properties of Limonene Secondary Organic Aerosols: The Role of NO ₃ , OH, and O ₃ in the Oxidation Processes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 3292-3303.	3.3	25
6	Temperature Dependence of Heterogeneous Uptake of Hydrogen Peroxide on Silicon Dioxide and Calcium Carbonate. <i>Journal of Physical Chemistry A</i> , 2012, 116, 7959-7964.	2.5	22
7	Kinetics of the Reactions of NO ₃ Radical with Methacrylate Esters. <i>Journal of Physical Chemistry A</i> , 2017, 121, 4464-4474.	2.5	22
8	Characteristics of indoor dust in an industrial city: Comparison with outdoor dust and atmospheric particulates. <i>Chemosphere</i> , 2021, 272, 129952.	8.2	21
9	Knudsen cell and smog chamber study of the heterogeneous uptake of sulfur dioxide on Chinese mineral dust. <i>Journal of Environmental Sciences</i> , 2014, 26, 2423-2433.	6.1	20
10	Kinetics and mechanisms of the gas-phase reactions of OH radicals with three C ₁₅ alkanes. <i>Atmospheric Environment</i> , 2019, 207, 75-81.	4.1	19
11	High-density gold nanoparticles on multi-walled carbon nanotube films: a sensitive electrochemical nonenzymatic platform of glucose. <i>Journal of Experimental Nanoscience</i> , 2012, 7, 263-273.	2.4	18
12	Effects of SO ₂ on optical properties of secondary organic aerosol generated from photooxidation of toluene under different relative humidity conditions. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 4477-4492.	4.9	18
13	Heterogeneous uptake of nitrogen dioxide on Chinese mineral dust. <i>Journal of Environmental Sciences</i> , 2015, 38, 110-118.	6.1	16
14	Potential ecological and health risks of heavy metals for indoor and corresponding outdoor dust in Hefei, Central China. <i>Chemosphere</i> , 2022, 302, 134864.	8.2	16
15	Important Oxidants and Their Impact on the Environmental Effects of Aerosols. <i>Journal of Physical Chemistry A</i> , 2021, 125, 3813-3825.	2.5	15
16	Temperature effects on optical properties and chemical composition of secondary organic aerosol derived from n-dodecane. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 8123-8137.	4.9	14
17	Photoswitchable Fluorescent Crystals Obtained by the Photoreversible Coassembly of a Nucleobase and an Azobenzene Intercalator. <i>Journal of the American Chemical Society</i> , 2019, 141, 9321-9329.	13.7	12
18	Kinetics of the reactions of NO ₃ radical with alkanes. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 4246-4257.	2.8	12

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19	Characteristics of ambient volatile organic compounds during spring O ₃ pollution episode in Chengdu, China. <i>Journal of Environmental Sciences</i> , 2022, 114, 115-125.	6.1	12
20	Heterogeneous uptake of gaseous hydrogen peroxide on mineral dust. <i>Journal of Environmental Sciences</i> , 2016, 40, 44-50.	6.1	11
21	Intramolecularly Protein-Crosslinked DNA Gels: New Biohybrid Nanomaterials with Controllable Size and Catalytic Activity. <i>Small</i> , 2017, 13, 1700706.	10.0	11
22	Biogenic volatile organic compound emission patterns and secondary pollutant formation potentials of dominant greening trees in Chengdu, southwest China. <i>Journal of Environmental Sciences</i> , 2022, 114, 179-193.	6.1	10
23	Observation-Based Summer O ₃ Control Effect Evaluation: A Case Study in Chengdu, a Megacity in Sichuan Basin, China. <i>Atmosphere</i> , 2020, 11, 1278.	2.3	9
24	Effect of chemical structure on optical properties of secondary organic aerosols derived from C ₁₂ alkanes. <i>Science of the Total Environment</i> , 2021, 751, 141620.	8.0	9
25	Progressively narrow the gap of PM _{2.5} pollution characteristics at urban and suburban sites in a megacity of Sichuan Basin, China. <i>Journal of Environmental Sciences</i> , 2023, 126, 708-721.	6.1	9
26	Atmospheric loss of nitrous oxide (N ₂ O) is not influenced by its potential reactions with OH and NO ₃ radicals. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 24592-24600.	2.8	4
27	Chemical composition of different size ultrafine particulate matter measured by nanoparticle chemical ionization mass spectrometer. <i>Journal of Environmental Sciences</i> , 2022, 114, 434-443.	6.1	4
28	Real-World Vehicle Volatile Organic Compound Emissions and Their Source Profile in Chengdu Based on a Roadside and Tunnel Study. <i>Atmosphere</i> , 2021, 12, 861.	2.3	2