

Sunling Gong

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,358
citations

623734

14
h-index

610901

24
g-index

24
all docs

24
docs citations

24
times ranked

1507
citing authors

#	ARTICLE	IF	CITATIONS
1	Air pollution characteristics and their relation to meteorological conditions during 2014â€“2015 in major Chinese cities. <i>Environmental Pollution</i> , 2017, 223, 484-496.	7.5	511
2	Attributions of meteorological and emission factors to the 2015 winter severe haze pollution episodes in China's Jing-Jin-Ji area. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 2971-2980.	4.9	127
3	Emission inventories of primary particles and pollutant gases for China. <i>Science Bulletin</i> , 2011, 56, 781-788.	1.7	120
4	Characterization of VOCs and their related atmospheric processes in a central Chinese city during severe ozone pollution periods. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 617-638.	4.9	118
5	A modelling study of the terrain effects on haze pollution in the Sichuan Basin. <i>Atmospheric Environment</i> , 2019, 196, 77-85.	4.1	97
6	Towards the improvements of simulating the chemical and optical properties of Chinese aerosols using an online coupled model â€“ CUACE/Aero. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 64, 18965.	1.6	78
7	Analyses of winter circulation types and their impacts on haze pollution in Beijing. <i>Atmospheric Environment</i> , 2018, 192, 94-103.	4.1	46
8	Multi-scale analysis of the impacts of meteorology and emissions on PM2.5 and O3 trends at various regions in China from 2013 to 2020 2. Key weather elements and emissions. <i>Science of the Total Environment</i> , 2022, 824, 153847.	8.0	42
9	Influences of meteorological conditions on interannual variations of particulate matter pollution during winter in the Beijingâ€“Tianjinâ€“Hebei area. <i>Journal of Meteorological Research</i> , 2017, 31, 1062-1069.	2.4	31
10	Spatial and temporal distribution of open bio-mass burning in China from 2013 to 2017. <i>Atmospheric Environment</i> , 2019, 210, 156-165.	4.1	27
11	Development of WRF/CUACE v1.0 model and its preliminary application in simulating air quality in China. <i>Geoscientific Model Development</i> , 2021, 14, 703-718.	3.6	26
12	Assessment of meteorology vs. control measures in the China fine particular matter trend from 2013 to 2019 by an environmental meteorology index. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 2999-3013.	4.9	23
13	Multi-scale analysis of the impacts of meteorology and emissions on PM2.5 and O3 trends at various regions in China from 2013 to 2020 1: Synoptic circulation patterns and pollution. <i>Science of the Total Environment</i> , 2022, 815, 152770.	8.0	22
14	Development and application of an automated air quality forecasting system based on machine learning. <i>Science of the Total Environment</i> , 2022, 806, 151204.	8.0	21
15	Impacts of long-range transports from Central and South Asia on winter surface PM2.5 concentrations in China. <i>Science of the Total Environment</i> , 2021, 777, 146243.	8.0	11
16	Influence of Atmospheric Circulation on Aerosol and its Optical Characteristics in the Pearl River Delta Region. <i>Atmosphere</i> , 2020, 11, 288.	2.3	10
17	Influence of Arctic Oscillation abnormalities on spatio-temporal haze distributions in China. <i>Atmospheric Environment</i> , 2020, 223, 117282.	4.1	10
18	Impact of Arctic Oscillation anomalies on winter PM2.5 in China via a numerical simulation. <i>Science of the Total Environment</i> , 2021, 779, 146390.	8.0	9

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19	Temporal and spatial discrepancies of VOCs in an industrial-dominant city in China during summertime. <i>Chemosphere</i> , 2021, 264, 128536.	8.2	8
20	Effect of vegetation seasonal cycle alterations to aerosol dry deposition on PM2.5 concentrations in China. <i>Science of the Total Environment</i> , 2022, 828, 154211.	8.0	7
21	Uncertainty analysis of spatiotemporal characteristics of haze pollution from 1961 to 2017 in China. <i>Atmospheric Pollution Research</i> , 2020, 11, 310-318.	3.8	6
22	A new parameterization of uptake coefficients for heterogeneous reactions on multi-component atmospheric aerosols. <i>Science of the Total Environment</i> , 2021, 781, 146372.	8.0	4
23	A teleconnection between sea surface temperature in the central and eastern Pacific and wintertime haze variations in southern China. <i>Theoretical and Applied Climatology</i> , 2021, 143, 349-359.	2.8	3
24	Quantification of SO2 Emission Variations and the Corresponding Prediction Improvements Made by Assimilating Ground-Based Observations. <i>Atmosphere</i> , 2022, 13, 470.	2.3	1