

# Sunling Gong

## List of Publications by Year in descending order

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24  
papers

1,358  
citations

623734

14  
h-index

610901

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g-index

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24  
docs citations

24  
times ranked

1507  
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards the improvements of simulating the chemical and optical properties of Chinese aerosols using an online coupled model “CUACE/Aero. Tellus, Series B: Chemical and Physical Meteorology, 2022, 64, 18965.	1.6	78
2	Development and application of an automated air quality forecasting system based on machine learning. Science of the Total Environment, 2022, 806, 151204.	8.0	21
3	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. Science of the Total Environment, 2022, 815, 152770.	8.0	22
4	Quantification of SO2 Emission Variations and the Corresponding Prediction Improvements Made by Assimilating Ground-Based Observations. Atmosphere, 2022, 13, 470.	2.3	1
5	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. Science of the Total Environment, 2022, 824, 153847.	8.0	42
6	Effect of vegetation seasonal cycle alterations to aerosol dry deposition on PM2.5 concentrations in China. Science of the Total Environment, 2022, 828, 154211.	8.0	7
7	Temporal and spatial discrepancies of VOCs in an industrial-dominant city in China during summertime. Chemosphere, 2021, 264, 128536.	8.2	8
8	A teleconnection between sea surface temperature in the central and eastern Pacific and wintertime haze variations in southern China. Theoretical and Applied Climatology, 2021, 143, 349-359.	2.8	3
9	Development of WRF/CUACE v1.0 model and its preliminary application in simulating air quality in China. Geoscientific Model Development, 2021, 14, 703-718.	3.6	26
10	Assessment of meteorology vs. control measures in the China fine particular matter trend from 2013 to 2019 by an environmental meteorology index. Atmospheric Chemistry and Physics, 2021, 21, 2999-3013.	4.9	23
11	Impacts of long-range transports from Central and South Asia on winter surface PM2.5 concentrations in China. Science of the Total Environment, 2021, 777, 146243.	8.0	11
12	Impact of Arctic Oscillation anomalies on winter PM2.5 in China via a numerical simulation. Science of the Total Environment, 2021, 779, 146390.	8.0	9
13	A new parameterization of uptake coefficients for heterogeneous reactions on multi-component atmospheric aerosols. Science of the Total Environment, 2021, 781, 146372.	8.0	4
14	Uncertainty analysis of spatiotemporal characteristics of haze pollution from 1961 to 2017 in China. Atmospheric Pollution Research, 2020, 11, 310-318.	3.8	6
15	Influence of Atmospheric Circulation on Aerosol and its Optical Characteristics in the Pearl River Delta Region. Atmosphere, 2020, 11, 288.	2.3	10
16	Influence of Arctic Oscillation abnormalities on spatio-temporal haze distributions in China. Atmospheric Environment, 2020, 223, 117282.	4.1	10
17	Spatial and temporal distribution of open bio-mass burning in China from 2013 to 2017. Atmospheric Environment, 2019, 210, 156-165.	4.1	27
18	Characterization of VOCs and their related atmospheric processes in a central Chinese city during severe ozone pollution periods. Atmospheric Chemistry and Physics, 2019, 19, 617-638.	4.9	118

#	ARTICLE	IF	CITATIONS
19	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
20	Analyses of winter circulation types and their impacts on haze pollution in Beijing. <i>Atmospheric Environment</i> , 2018, 192, 94-103.	4.1	46
21	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
22	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
23	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
24	Emission inventories of primary particles and pollutant gases for China. <i>Science Bulletin</i> , 2011, 56, 781-788.	1.7	120