

Tianning Su

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,621
citations

471061

17
h-index

676716

22
g-index

28
all docs

28
docs citations

28
times ranked

1362
citing authors

#	ARTICLE	IF	CITATIONS
1	The different sensitivities of aerosol optical properties to particle concentration, humidity, and hygroscopicity between the surface level and the upper boundary layer in Guangzhou, China. <i>Science of the Total Environment</i> , 2022, 803, 150010.	3.9	9
2	Methodology to determine the coupling of continental clouds with surface and boundary layer height under cloudy conditions from lidar and meteorological data. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 1453-1466.	1.9	6
3	Reconstructing 1-km-resolution high-quality PM2.5 data records from 2000 to 2018 in China: spatiotemporal variations and policy implications. <i>Remote Sensing of Environment</i> , 2021, 252, 112136.	4.6	429
4	The ChinaHighPM10 dataset: generation, validation, and spatiotemporal variations from 2015 to 2019 across China. <i>Environment International</i> , 2021, 146, 106290.	4.8	168
5	Idealized Large-Eddy Simulations of Stratocumulus Advecting over Cold Water. Part I: Boundary Layer Decoupling. <i>Journals of the Atmospheric Sciences</i> , 2021, 78, 4089-4102.	0.6	3
6	Investigation of near-global daytime boundary layer height using high-resolution radiosondes: first results and comparison with ERA5, MERRA-2, JRA-55, and NCEP-2 reanalyses. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 17079-17097.	1.9	99
7	A new method to retrieve the diurnal variability of planetary boundary layer height from lidar under different thermodynamic stability conditions. <i>Remote Sensing of Environment</i> , 2020, 237, 111519.	4.6	44
8	Abnormally Shallow Boundary Layer Associated With Severe Air Pollution During the COVID-19 Lockdown in China. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090041.	1.5	54
9	Refining aerosol optical depth retrievals over land by constructing the relationship of spectral surface reflectances through deep learning: Application to Himawari-8. <i>Remote Sensing of Environment</i> , 2020, 251, 112093.	4.6	14
10	The Urban-Rural Heterogeneity of Air Pollution in 35 Metropolitan Regions across China. <i>Remote Sensing</i> , 2020, 12, 2320.	1.8	22
11	The mechanisms and seasonal differences of the impact of aerosols on daytime surface urban heat island effect. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 6479-6493.	1.9	44
12	The significant impact of aerosol vertical structure on lower atmosphere stability and its critical role in aerosol-planetary boundary layer (PBL) interactions. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 3713-3724.	1.9	79
13	The Climatology of Lower Tropospheric Temperature Inversions in China from Radiosonde Measurements: Roles of Black Carbon, Local Meteorology, and Large-Scale Subsidence. <i>Journal of Climate</i> , 2020, 33, 9327-9350.	1.2	42
14	Declining Summertime Local-Scale Precipitation Frequency Over China and the United States, 1981-2012: The Disparate Roles of Aerosols. <i>Geophysical Research Letters</i> , 2019, 46, 13281-13289.	1.5	48
15	Evaluation and uncertainty estimate of next-generation geostationary meteorological Himawari-8/AHI aerosol products. <i>Science of the Total Environment</i> , 2019, 692, 879-891.	3.9	46
16	Seasonal and diurnal variability of planetary boundary layer height in Beijing: Intercomparison between MPL and WRF results. <i>Atmospheric Research</i> , 2019, 227, 1-13.	1.8	37
17	Relationships between the planetary boundary layer height and surface pollutants derived from lidar observations over China: regional pattern and influencing factors. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 15921-15935.	1.9	195
18	The Evolution of Springtime Water Vapor Over Beijing Observed by a High Dynamic Raman Lidar System: Case Studies. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017, 10, 1715-1726.	2.3	7

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19	An intercomparison of long-term planetary boundary layer heights retrieved from CALIPSO, ground-based lidar, and radiosonde measurements over Hong Kong. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 3929-3943.	1.2	72
20	An intercomparison of AOD-converted PM2.5 concentrations using different approaches for estimating aerosol vertical distribution. <i>Atmospheric Environment</i> , 2017, 166, 531-542.	1.9	31
21	Declining frequency of summertime local-scale precipitation over eastern China from 1970 to 2010 and its potential link to aerosols. <i>Geophysical Research Letters</i> , 2017, 44, 5700-5708.	1.5	113
22	Changes in surface aerosol extinction trends over China during 1980–2013 inferred from quality-controlled visibility data. <i>Geophysical Research Letters</i> , 2016, 43, 8713-8719.	1.5	55