

Siyu Chen

List of Publications by Year in descending order

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papers

1,426
citations

361296

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docs citations

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times ranked

1403
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling the transport and radiative forcing of Taklimakan dust over the Tibetan Plateau: A case study in the summer of 2006. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 797-812.	1.2	136
2	Uncertainty in modeling dust mass balance and radiative forcing from size parameterization. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 10733-10753.	1.9	128
3	Comparison of dust emissions, transport, and deposition between the Taklimakan Desert and Gobi Desert from 2007 to 2011. <i>Science China Earth Sciences</i> , 2017, 60, 1338-1355.	2.3	127
4	Emission, transport, and radiative effects of mineral dust from the Taklimakan and Gobi deserts: comparison of measurements and model results. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 2401-2421.	1.9	115
5	Regional modeling of dust mass balance and radiative forcing over East Asia using WRF-Chem. <i>Aeolian Research</i> , 2014, 15, 15-30.	1.1	112
6	Fugitive Road Dust PM _{2.5} Emissions and Their Potential Health Impacts. <i>Environmental Science & Technology</i> , 2019, 53, 8455-8465.	4.6	91
7	Long-term trends of dust events over Tibetan Plateau during 1961–2010. <i>Atmospheric Environment</i> , 2016, 125, 188-198.	1.9	78
8	An overview of mineral dust modeling over East Asia. <i>Journal of Meteorological Research</i> , 2017, 31, 633-653.	0.9	61
9	Quantifying contributions of natural and anthropogenic dust emission from different climatic regions. <i>Atmospheric Environment</i> , 2018, 191, 94-104.	1.9	56
10	Effects of atmospheric dynamics and aerosols on the fraction of supercooled water clouds. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 1847-1863.	1.9	49
11	Sensitivity of simulating a dust storm over Central Asia to different dust schemes using the WRF-Chem model. <i>Atmospheric Environment</i> , 2019, 207, 16-29.	1.9	45
12	The Spatial and Temporal Distributions of Absorbing Aerosols over East Asia. <i>Remote Sensing</i> , 2017, 9, 1050.	1.8	44
13	Influence of Dynamic and Thermal Forcing on the Meridional Transport of Taklimakan Desert Dust in Spring and Summer. <i>Journal of Climate</i> , 2019, 32, 749-767.	1.2	42
14	Modeling the contributions of Northern Hemisphere dust sources to dust outflow from East Asia. <i>Atmospheric Environment</i> , 2019, 202, 234-243.	1.9	39
15	Vertical Structures of Dust Aerosols over East Asia Based on CALIPSO Retrievals. <i>Remote Sensing</i> , 2019, 11, 701.	1.8	39
16	Impact of Arctic amplification on declining spring dust events in East Asia. <i>Climate Dynamics</i> , 2020, 54, 1913-1935.	1.7	39
17	Dust modeling over East Asia during the summer of 2010 using the WRF-Chem model. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 213, 1-12.	1.1	29
18	Estimations of indirect and direct anthropogenic dust emission at the global scale. <i>Atmospheric Environment</i> , 2019, 200, 50-60.	1.9	26

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19	Double Trouble of Air Pollution by Anthropogenic Dust. <i>Environmental Science & Technology</i> , 2022, 56, 761-769.	4.6	21
20	Three-Year Continuous Observation of Pure and Polluted Dust Aerosols Over Northwest China Using the Ground-Based Lidar and Sun Photometer Data. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 1118-1131.	1.2	20
21	WRF-Chem v3.9 simulations of the East Asian dust storm in May 2017: modeling sensitivities to dust emission and dry deposition schemes. <i>Geoscientific Model Development</i> , 2020, 13, 2125-2147.	1.3	20
22	Spatio-temporal trends of dust emissions triggered by desertification in China. <i>Catena</i> , 2021, 200, 105160.	2.2	18
23	Sources, characteristics and climate impact of light-absorbing aerosols over the Tibetan Plateau. <i>Earth-Science Reviews</i> , 2022, 232, 104111.	4.0	18
24	Ambient PM _{2.5} and Related Health Impacts of Spontaneous Combustion of Coal and Coal Gangue. <i>Environmental Science & Technology</i> , 2021, 55, 5763-5771.	4.6	16
25	Desert dust as a significant carrier of atmospheric mercury. <i>Environmental Pollution</i> , 2020, 267, 115442.	3.7	15
26	Impacts of Two East Asian Atmospheric Circulation Modes on Black Carbon Aerosol Over the Tibetan Plateau in Winter. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032458.	1.2	10
27	Direct Radiative Forcing Induced by Light-Absorbing Aerosols in Different Climate Regions Over East Asia. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD032228.	1.2	10
28	Protective potential of <i>Angelica sinensis</i> polysaccharide extract against ethylene glycol-induced calcium oxalate urolithiasis. <i>Renal Failure</i> , 2018, 40, 618-627.	0.8	6
29	The role of boundary layer height in India on transboundary pollutions to the Tibetan Plateau. <i>Science of the Total Environment</i> , 2022, 837, 155816.	3.9	4
30	Differences in Sulfate Aerosol Radiative Forcing between the Daytime and Nighttime over East Asia Using the Weather Research and Forecasting model coupled with Chemistry (WRF-Chem) Model. <i>Atmosphere</i> , 2018, 9, 441.	1.0	3
31	Influence of Dust Aerosols on Snow Cover Over the Tibetan Plateau. <i>Frontiers in Environmental Science</i> , 2022, 10, .	1.5	3
32	Aerosol optical properties and its direct radiative forcing over Tibetan Plateau from 2006 to 2017. <i>Particuology</i> , 2023, 74, 64-73.	2.0	2
33	Dynamic Dust Source Regions and the Associated Natural and Anthropogenic Dust Emissions at the Global Scale. <i>Frontiers in Earth Science</i> , 2022, 10, .	0.8	0