

Damao Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

526
citations

623734

14
h-index

642732

23
g-index

34
all docs

34
docs citations

34
times ranked

724
citing authors

#	ARTICLE	IF	CITATIONS
1	A global view of midlevel liquid-layer topped stratiform cloud distribution and phase partition from CALIPSO and CloudSat measurements. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	91
2	AWARE: The Atmospheric Radiation Measurement (ARM) West Antarctic Radiation Experiment. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, E1069-E1091.	3.3	46
3	Formation and Spread of Aircraft-Induced Holes in Clouds. <i>Science</i> , 2011, 333, 77-81.	12.6	40
4	Global dust distribution from improved thin dust layer detection using A-Train satellite lidar observations. <i>Geophysical Research Letters</i> , 2015, 42, 620-628.	4.0	37
5	Quantifying the impact of dust on heterogeneous ice generation in midlevel supercooled stratiform clouds. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	33
6	Ice particle production in mid-level stratiform mixed-phase clouds observed with collocated A-Train measurements. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 4317-4327.	4.9	31
7	Understanding Rapid Changes in Phase Partitioning between Cloud Liquid and Ice in Stratiform Mixed-Phase Clouds: An Arctic Case Study. <i>Monthly Weather Review</i> , 2016, 144, 4805-4826.	1.4	29
8	Aerosol impacts on cloud thermodynamic phase change over East Asia observed with CALIPSO and CloudSat measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 1490-1501.	3.3	28
9	Impacts of Representing Heterogeneous Distribution of Cloud Liquid and Ice on Phase Partitioning of Arctic Mixed-Phase Clouds with NCAR CAM5. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 13071-13090.	3.3	24
10	Ice Concentration Retrieval in Stratiform Mixed-Phase Clouds Using Cloud Radar Reflectivity Measurements and 1D Ice Growth Model Simulations. <i>Journals of the Atmospheric Sciences</i> , 2014, 71, 3613-3635.	1.7	22
11	Spatial scales of altocumulus clouds observed with collocated CALIPSO and CloudSat measurements. <i>Atmospheric Research</i> , 2014, 149, 58-69.	4.1	20
12	Marine boundary layer structure as observed by A-train satellites. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 5891-5903.	4.9	20
13	Distinct Contributions of Ice Nucleation, Large-Scale Environment, and Shallow Cumulus Detrainment to Cloud Phase Partitioning With NCAR CAM5. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 1132-1154.	3.3	15
14	Reconciling Differences Between Large-Eddy Simulations and Doppler Lidar Observations of Continental Shallow Cumulus Clouds Base Vertical Velocity. <i>Geophysical Research Letters</i> , 2019, 46, 11539-11547.	4.0	14
15	Comparison of Antarctic and Arctic Single-Layer Stratiform Mixed-Phase Cloud Properties Using Ground-Based Remote Sensing Measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 10186-10204.	3.3	14
16	The occurrence of ice production in slightly supercooled Arctic stratiform clouds as observed by ground-based remote sensors at the ARM NSA site. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 2867-2877.	3.3	14
17	Vertically resolved separation of dust and other aerosol types by a new lidar depolarization method. <i>Optics Express</i> , 2015, 23, 14095.	3.4	13
18	A new approach to estimate supersaturation fluctuations in stratocumulus cloud using ground-based remote-sensing measurements. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 5817-5828.	3.1	11

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19	Clouds over East Asia Observed with Collocated CloudSat and CALIPSO Measurements: Occurrence and Macrophysical Properties. <i>Atmosphere</i> , 2018, 9, 168.	2.3	10
20	Cloud Type and Life Stage Dependency of Liquid-Ice Mass Partitioning in Mixed-Phase Clouds. <i>Remote Sensing</i> , 2022, 14, 1431.	4.0	4
21	Evaluating seasonal and regional distribution of snowfall in regional climate model simulations in the Arctic. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 7287-7317.	4.9	4
22	Quantifying the Hygroscopic Growth of Marine Boundary Layer Aerosols by Satellite-Based and Buoy Observations. <i>Journals of the Atmospheric Sciences</i> , 2015, 72, 1063-1074.	1.7	2
23	A new afterpulse correction for micro-pulse lidar to improve middle and upper tropospheric aerosol measurements. <i>Optics Express</i> , 0, , .	3.4	1
24	AWARE in West Antarctica: Clouds, climate, and critical ice melt. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, 892-898.	3.3	1
25	African dust impacts on mixed-phase and warm stratiform clouds observed from CALIPSO and CloudSat measurements. , 2013, , .		0
26	Aerosol property variations over global oceans as observed by the A-train satellites. , 2013, , .		0
27	Global Dust Transport as Observed by A-Train Satellites. <i>EPJ Web of Conferences</i> , 2016, 119, 08010.	0.3	0