Minghu Ding

List of Publications by Year
in descending order

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39	541	759233	713466
papers	citations	12 h-index	21 g-index

53	53	53	763
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Application of Machine Learning for Simulation of Air Temperature at Dome A. Remote Sensing, 2022, 14, 1045.	4.0	1
2	Processes and Mechanisms of Persistent Extreme Rainfall Events in the Antarctic Peninsula during Austral Summer. Journal of Climate, 2022, 35, 3643-3657.	3.2	2
3	On the drivers of temperature extremes on the Antarctic Peninsula during austral summer. Climate Dynamics, 2022, 59, 2275-2291.	3.8	5
4	Assessment of MODIS Surface Temperature Products of Greenland Ice Sheet Using In-Situ Measurements. Land, 2022, 11, 593.	2.9	1
5	New gridded dataset of rainfall erosivity (1950â€“2020) on the Tibetan Plateau. Earth System Science Data, 2022, 14, 2681-2695.	9.9	6
6	Trends and spatial variation in rain-on-snow events over the Arctic Ocean during the early melt season. Cryosphere, 2021, 15, 883-895.	3.9	15
7	On the Differences in Precipitation Type Between the Arctic, Antarctica and Tibetan Plateau. Frontiers in Earth Science, 2021, 9, .	1.8	9
8	Spatial and temporal variations of fractionation of stable isotopes in East-Antarctic snow. Journal of Glaciology, 2021, 67, 523-532.	2.2	1
9	Monsoon Clouds Control the Summer Surface Energy Balance on East Rongbuk Glacier (6,523Âm Above) Tj ETQq1 1 0.784314 rgBT /O Atmospheres, 2021, 126, e2020JD033998.	3.3	14
10	Characteristics of low-level temperature inversions over the Arctic Ocean during the CHINARE 2018 campaign in summer. Atmospheric Environment, 2021, 253, 118333.	4.1	5
11	Estimation and Long-term Trend Analysis of Surface Solar Radiation in Antarctica: A Case Study of Zhongshan Station. Advances in Atmospheric Sciences, 2021, 38, 1497.	4.3	7
12	Increasing Difference in Interannual Summertime Surface Air Temperature Between Interior East Antarctica and the Antarctic Peninsula Under Future Climate Scenarios. Geophysical Research Letters, 2021, 48, e2020GL092031.	4.0	2
13	Tropical teleconnection impacts on Antarctic climate changes. Nature Reviews Earth & Environment, 2021, 2, 680-698.	29.7	85
14	Brief communication: Evaluation of multiple density-dependent empirical snow conductivity relationships in East Antarctica. Cryosphere, 2021, 15, 4201-4206.	3.9	2
15	Potential mechanisms governing the variation in rain/snow frequency over the northern Antarctic Peninsula during austral summer. Atmospheric Research, 2021, 263, 105811.	4.1	2
16	The Surface Energy Balance at Panda 1 Station, Princess Elizabeth Land: A Typical Katabatic Wind Region in East Antarctica. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD030378.	3.3	15
17	Sea ice surface temperature retrieval from Landsat 8/TIRS: Evaluation of five methods against in situ temperature records and MODIS IST in Arctic region. Remote Sensing of Environment, 2020, 248, 111975.	11.0	14
18	Temperature Inversion and Clouds Over the Arctic Ocean Observed by the 5th Chinese National Arctic Research Expedition. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD032136.	3.3	8

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19	Towards More Snow Days in Summer since 2001 at the Great Wall Station, Antarctic Peninsula: The Role of the Amundsen Sea Low. Advances in Atmospheric Sciences, 2020, 37, 494-504.	4.3	11
20	Year-round record of near-surface ozone and O₃ enhancement events (OEEs) at Dome A, East Antarctica. Earth System Science Data, 2020, 12, 3529-3544.	9.9	6
21	An assessment of recent global atmospheric reanalyses for Antarctic near surface air temperature. Atmospheric Research, 2019, 226, 181-191.	4.1	34
22	Brief communication: An alternative method for estimating the scavenging efficiency of black carbon by meltwater over sea ice. Cryosphere, 2019, 13, 3309-3316.	3.9	1
23	Changes in the Proportion of Precipitation Occurring as Rain in Northern Canada during Springâ€“Summer from 1979â€“2015. Advances in Atmospheric Sciences, 2018, 35, 1129-1136.	4.3	9
24	An investigation of the thermomechanical features of Laohugou Glacier No.Â12 on Qilian Shan, western China, using aÂtwo-dimensional first-order flow-band ice flow model. Cryosphere, 2018, 12, 851-866.	3.9	9
25	Arctic has been going through a transition from solid precipitation to liquid precipitation in spring. Chinese Science Bulletin, 2018, 63, 1154-1162.	0.7	6
26	Snowdrift effect on snow deposition: Insights from a comparison of a snow pit profile and meteorological observations in east Antarctica. Science China Earth Sciences, 2017, 60, 672-685.	5.2	1
27	Re-assessment of recent (2008â€“2013) surface mass balance over Dome Argus, Antarctica. Polar Research, 2016, 35, 26133.	1.6	11
28	A Comparison of Antarctic Ice Sheet Surface Mass Balance from Atmospheric Climate Models and In Situ Observations. Journal of Climate, 2016, 29, 5317-5337.	3.2	57
29	Can Temperature Extremes in East Antarctica be Replicated from ERA Interim Reanalysis?. Arctic, Antarctic, and Alpine Research, 2016, 48, 603-621.	1.1	6
30	Spatial and temporal variability of marine-origin matter along a transect from Zhongshan Station to Dome A, Eastern Antarctica. Journal of Environmental Sciences, 2016, 46, 190-202.	6.1	12
31	Widespread Albedo Decreasing and Induced Melting of Himalayan Snow and Ice in the Early 21st Century. PLoS ONE, 2015, 10, e0126235.	2.5	53
32	Surface mass balance and its climate significance from the coast to Dome A, East Antarctica. Science China Earth Sciences, 2015, 58, 1787-1797.	5.2	18
33	Variations in stable hydrogen and oxygen isotopes in atmospheric water vapor in the marine boundary layer across a wide latitude range. Journal of Environmental Sciences, 2014, 26, 2266-2276.	6.1	17
34	Factors controlling the nitrate in the DT-401 ice core in eastern Antarctica. Science China Earth Sciences, 2013, 56, 1531-1539.	5.2	4
35	Observed and modelled ice temperature and velocity along the main flowline of East Rongbuk Glacier, Qomolangma (Mount Everest), Himalaya. Journal of Glaciology, 2013, 59, 438-448.	2.2	26
36	Dating a 109.9 m ice core from Dome A (East Antarctica) with volcanic records and a firn densification model. Science China Earth Sciences, 2012, 55, 1280-1288.	5.2	7

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37	Distribution of Î´18O in surface snow along a transect from Zhongshan Station to Dome A, East Antarctica. Science Bulletin, 2010, 55, 2709-2714.	1.7	19
38	A 2680 year volcanic record from the DTâ€401 East Antarctic ice core. Journal of Geophysical Research, 2010, 115, .	3.3	31
39	The surface energy balance of Austre LovÃ©nbreen, Svalbard, during the ablation period in 2014. Polar Research, 0, 40, .	1.6	4