

Dabang Jiang

List of Publications by Year in descending order

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121
papers

3,092
citations

147801

31
h-index

197818

49
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132
all docs

132
docs citations

132
times ranked

2842
citing authors

#	ARTICLE	IF	CITATIONS
1	Atmospheric teleconnection associated with the Atlantic multidecadal variability in summer: assessment of the CESM1 model. <i>Climate Dynamics</i> , 2023, 60, 1043-1060.	3.8	2
2	Index- and model-dependent projections of East Asian summer monsoon in Coupled Model Intercomparison Project Phase 6 simulations. <i>International Journal of Climatology</i> , 2022, 42, 2208-2224.	3.5	4
3	Ozone-aerosol and land use reversed temperature increase over some northern mid-latitude regions between the 20th century and the Little Ice Age based on the CESM-LME. <i>Holocene</i> , 2022, 32, 1251-1259.	1.7	1
4	Assessment of CMIP6 model performance for temperature and precipitation in Xinjiang, China. <i>Atmospheric and Oceanic Science Letters</i> , 2022, 15, 100128.	1.3	9
5	Detectable anthropogenic influence on summer compound hot events over China from 1965 to 2014. <i>Environmental Research Letters</i> , 2022, 17, 034042.	5.2	13
6	Tibetan Plateau Made Central Asian Drylands Move Northward, Concentrate in Narrow Latitudinal Bands, and Increase in Intensity During the Cenozoic. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	2
7	How skillful was the projected temperature over China during 2002-2018?. <i>Science Bulletin</i> , 2022, , .	9.0	2
8	Influence of Major Stratospheric Sudden Warming on the Unprecedented Cold Wave in East Asia in January 2021. <i>Advances in Atmospheric Sciences</i> , 2022, 39, 576-590.	4.3	20
9	Weakened amplitude and delayed phase of the future temperature seasonal cycle over China during the twenty-first century. <i>International Journal of Climatology</i> , 2022, 42, 7133-7145.	3.5	5
10	Mechanisms of Reduced Mid-Holocene Precipitation in Arid Central Asia as Simulated by PMIP3/4 Models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	3
11	Enhanced Interannual Variability in Temperature during the Last Glacial Maximum. <i>Journal of Climate</i> , 2022, 35, 5933-5950.	3.2	2
12	Transient climate simulations of the Holocene (version 1) - experimental design and boundary conditions. <i>Geoscientific Model Development</i> , 2022, 15, 4469-4487.	3.6	3
13	Impact of stratospheric aerosol intervention geoengineering on surface air temperature in China: a surface energy budget perspective. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 7667-7680.	4.9	2
14	Future changes in Aridity Index at two and four degrees of global warming above preindustrial levels. <i>International Journal of Climatology</i> , 2021, 41, 278-294.	3.5	30
15	Lagrangian simulations of moisture sources for Chinese Xinjiang precipitation during 1979-2018. <i>International Journal of Climatology</i> , 2021, 41, E216.	3.5	11
16	Holocene precipitation changes in northeastern China from CCSM3 transient climate simulations. <i>Holocene</i> , 2021, 31, 66-72.	1.7	3
17	Variations in northeast Asian summer precipitation driven by the Atlantic multidecadal oscillation. <i>International Journal of Climatology</i> , 2021, 41, 1682-1695.	3.5	16
18	Moisture sources of summer precipitation over eastern China during 1979-2009: A Lagrangian transient simulation. <i>International Journal of Climatology</i> , 2021, 41, 1162-1178.	3.5	8

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19	K�ppen Climate Zones in China Over the Last 21,000 Years. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD034310.	3.3	10
20	Understanding the cold biases of CMIP5 models over China with weather regimes. <i>Advances in Climate Change Research</i> , 2021, 12, 373-373.	5.1	8
21	Effects of Tibetan Plateau Growth, Paratethys Sea Retreat and Global Cooling on the East Asian Climate by the Early Miocene. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2021GC009655.	2.5	17
22	Time-varying responses of dryland aridity to external forcings over the last 21 ka. <i>Quaternary Science Reviews</i> , 2021, 262, 106989.	3.0	4
23	Migration of the Northern Boundary of the East Asian Summer Monsoon Over the Last 21,000 Years. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD035078.	3.3	17
24	Multidecadal Variations in the East Asian Winter Monsoon and Their Relationship with the Atlantic Multidecadal Oscillation since 1850. <i>Journal of Climate</i> , 2021, 34, 7525-7539.	3.2	13
25	Warming-Induced Northwestward Migration of the Asian Summer Monsoon in the Geological Past: Evidence From Climate Simulations and Geological Reconstructions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD035190.	3.3	17
26	Unprecedented North American snowstorm and East Asian cold wave in January 2016: Critical role of the Arctic atmospheric circulation. <i>Atmospheric Science Letters</i> , 2021, 22, e1056.	1.9	4
27	Synergistic Impacts of the Atlantic and Pacific Oceans on Interdecadal Variations of Summer Rainfall in Northeast Asia. <i>Journal of Meteorological Research</i> , 2021, 35, 844-856.	2.4	4
28	Weakening and eastward shift of the tropical Pacific Walker circulation during the Last Glacial Maximum. <i>Boreas</i> , 2020, 49, 200-210.	2.4	10
29	Seasonality in the Response of East Asian Westerly Jet to the Mid-Holocene Forcing. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD033003.	3.3	7
30	Modulation of orbitally forced ENSO variation by Tibetan Plateau topography. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020, 556, 109874.	2.3	0
31	Differences between CMIP6 and CMIP5 Models in Simulating Climate over China and the East Asian Monsoon. <i>Advances in Atmospheric Sciences</i> , 2020, 37, 1102-1118.	4.3	145
32	Teleconnections between the Atlantic Multidecadal Oscillation and eastern China summer precipitation during the Medieval Climate Anomaly and Little Ice Age. <i>Holocene</i> , 2020, 30, 1694-1705.	1.7	7
33	A perspective on climate sensitivity. <i>Solid Earth Sciences</i> , 2020, 5, 254-257.	1.7	0
34	The Weakening and Eastward Movement of ENSO Impacts during the Last Glacial Maximum. <i>Journal of Climate</i> , 2020, 33, 5507-5526.	3.2	1
35	Intensification of the Atlantic Multidecadal Variability Since 1870: Implications and Possible Causes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD030977.	3.3	8
36	Evaluation of East Asian Summer Climate Prediction from the CESM Large-Ensemble Initialized Decadal Prediction Project. <i>Journal of Meteorological Research</i> , 2020, 34, 252-263.	2.4	11

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37	Unstable relationship between the Pacific Decadal Oscillation and eastern China summer precipitation: Insights from the Medieval Climate Anomaly and Little Ice Age. <i>Holocene</i> , 2020, 30, 799-809.	1.7	12
38	Mechanisms for Spatially Inhomogeneous Changes in East Asian Summer Monsoon Precipitation during the Mid-Holocene. <i>Journal of Climate</i> , 2020, 33, 2945-2965.	3.2	12
39	Mid-Holocene drylands: A multi-model analysis using Paleoclimate Modelling Intercomparison Project Phase III (PMIP3) simulations. <i>Holocene</i> , 2019, 29, 1425-1438.	1.7	6
40	Vegetation and Ocean Feedbacks on the Asian Climate Response to the Uplift of the Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 6327-6341.	3.3	4
41	Global Warming Increases the Incidence of Haze Days in China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 6180-6190.	3.3	6
42	Modeling the late Pliocene global monsoon response to individual boundary conditions. <i>Climate Dynamics</i> , 2019, 53, 4871-4886.	3.8	12
43	Some Illustrations of Large Tectonically Driven Climate Changes in Earth History. <i>Tectonics</i> , 2019, 38, 4454-4464.	2.8	7
44	Extreme temperature and precipitation changes associated with four degree of global warming above pre-industrial levels. <i>International Journal of Climatology</i> , 2019, 39, 1822-1838.	3.5	27
45	Northwestward Migration of the Northern Edge of the East Asian Summer Monsoon During the Mid-Pliocene Warm Period: Simulations and Reconstructions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 1392-1404.	3.3	21
46	A multi-model analysis of glacier equilibrium line altitudes in western China during the last glacial maximum. <i>Science China Earth Sciences</i> , 2019, 62, 1241-1255.	5.2	15
47	A multi-model analysis of "Little Ice Age" climate over China. <i>Holocene</i> , 2019, 29, 592-605.	1.7	7
48	Effects of the uplifts of the main and marginal Tibetan Plateau on the Asian climate under modern and ~30 Ma boundary conditions. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 510, 15-25.	2.3	8
49	Sources of moisture for different intensities of summer rainfall over the Chinese Loess Plateau during 1979-2009. <i>International Journal of Climatology</i> , 2018, 38, e1280.	3.5	11
50	Changes in Tibetan Plateau latitude as an important factor for understanding East Asian climate since the Eocene: A modeling study. <i>Earth and Planetary Science Letters</i> , 2018, 484, 295-308.	4.4	62
51	Decoupling of Climatic Drying and Asian Dust Export During the Holocene. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 915-928.	3.3	39
52	Strengthening and Westward Shift of the Tropical Pacific Walker Circulation during the Mid-Holocene: PMIP Simulation Results. <i>Journal of Climate</i> , 2018, 31, 2283-2298.	3.2	20
53	Projected signals in climate extremes over China associated with a 2 °C global warming under two RCP scenarios. <i>International Journal of Climatology</i> , 2018, 38, e678.	3.5	56
54	Moisture sources of the Chinese Loess Plateau during 1979-2009. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 509, 156-163.	2.3	19

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55	Mid-Holocene frozen ground in China from <sc>PMIP</sc>3 simulations. <i>Boreas</i> , 2018, 47, 498-509.	2.4	2
56	Northern Westerlies during the Last Glacial Maximum: Results from CMIP5 Simulations. <i>Journal of Climate</i> , 2018, 31, 1135-1153.	3.2	46
57	Prolonged Heavy Snowfall During the Younger Dryas. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 13,748.	3.3	19
58	Global Cooling Contributed to the Establishment of a Modern-Like East Asian Monsoon Climate by the Early Miocene. <i>Geophysical Research Letters</i> , 2018, 45, 11,941.	4.0	21
59	The 4.2-ka BP event: multi-proxy records from a closed lake in the northern margin of the East Asian summer monsoon. <i>Climate of the Past</i> , 2018, 14, 1417-1425.	3.4	41
60	Last Glacial Maximum and Mid-Holocene Thermal Growing Season Simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 11,466.	3.3	4
61	Metric-Dependent Tendency of Tropical Belt Width Changes during the Last Glacial Maximum. <i>Journal of Climate</i> , 2018, 31, 8527-8540.	3.2	4
62	A multi-model analysis of moisture changes during the last glacial maximum. <i>Quaternary Science Reviews</i> , 2018, 191, 363-377.	3.0	16
63	Climate Change of 4°C Global Warming above Pre-industrial Levels. <i>Advances in Atmospheric Sciences</i> , 2018, 35, 757-770.	4.3	26
64	Mid-Pliocene global land monsoon from PlioMIP1 simulations. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 512, 56-70.	2.3	17
65	High-resolution simulation of Asian monsoon response to regional uplift of the Tibetan Plateau with regional climate model nested with global climate model. <i>Global and Planetary Change</i> , 2018, 169, 34-47.	3.5	14
66	Strengthening of the East Asian winter monsoon during the mid-Holocene. <i>Holocene</i> , 2018, 28, 1443-1451.	1.7	7
67	Numerical simulation on the impact of global mountain uplift on the subtropical arid climate. <i>Chinese Science Bulletin</i> , 2018, 63, 1142-1153.	0.7	1
68	Difference between the North Atlantic and Pacific meridional overturning circulation in response to the uplift of the Tibetan Plateau. <i>Climate of the Past</i> , 2018, 14, 751-762.	3.4	21
69	Interannual climate variability change during the Medieval Climate Anomaly and Little Ice Age in PMIP3 last millennium simulations. <i>Advances in Atmospheric Sciences</i> , 2017, 34, 497-508.	4.3	12
70	Investigating dynamic mechanisms for synchronous variation of East Asian and Australian summer monsoons over the last millennium. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 480, 70-79.	2.3	8
71	Causes of ENSO Weakening during the Mid-Holocene. <i>Journal of Climate</i> , 2017, 30, 7049-7070.	3.2	19
72	Influence of October Eurasian snow on winter temperature over Northeast China. <i>Advances in Atmospheric Sciences</i> , 2017, 34, 116-126.	4.3	9

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73	Comparison of the climate effects of surface uplifts from the northern Tibetan Plateau, the Tianshan, and the Mongolian Plateau on the East Asian climate. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 7949-7970.	3.3	26
74	Trends in day-to-day variability of surface air temperature in China during 1961–2012. <i>Atmospheric and Oceanic Science Letters</i> , 2017, 10, 122-129.	1.3	8
75	Future extreme climate changes linked to global warming intensity. <i>Science Bulletin</i> , 2017, 62, 1673-1680.	9.0	124
76	Reliability of climate models for China through the <sc>IPCC</sc> Third to Fifth Assessment Reports. <i>International Journal of Climatology</i> , 2016, 36, 1114-1133.	3.5	117
77	Timing and associated climate change of a 2‰ C global warming. <i>International Journal of Climatology</i> , 2016, 36, 4512-4522.	3.5	49
78	Precipitation variation over eastern China and arid central Asia during the past millennium and its possible mechanism: Perspectives from PMIP3 experiments. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 11,989.	3.3	22
79	Strengthened African summer monsoon in the mid-Piacenzian. <i>Advances in Atmospheric Sciences</i> , 2016, 33, 1061-1070.	4.3	12
80	Interdecadal variations of cold air activities in Northeast China during springtime. <i>Journal of Meteorological Research</i> , 2016, 30, 645-661.	2.4	3
81	Mid-Holocene permafrost: Results from CMIP5 simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 221-240.	3.3	9
82	Revisiting last glacial maximum climate over China and East Asian monsoon using PMIP3 simulations. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 453, 115-126.	2.3	44
83	Last glacial maximum permafrost in China from CMIP5 simulations. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 447, 12-21.	2.3	11
84	How hot will the greenhouse world be? – A brief review of equilibrium climate sensitivity. <i>Chinese Science Bulletin</i> , 2016, 61, 691-694.	0.7	0
85	Mid-Pliocene westerlies from PlioMIP simulations. <i>Advances in Atmospheric Sciences</i> , 2015, 32, 909-923.	4.3	24
86	Paleoclimate modeling in China: A review. <i>Advances in Atmospheric Sciences</i> , 2015, 32, 250-275.	4.3	34
87	An intercomparison of CMIP5 and CMIP3 models for interannual variability of summer precipitation in Pan-Asian monsoon region. <i>International Journal of Climatology</i> , 2015, 35, 3770-3780.	3.5	22
88	Simulated warm periods of climate over China during the last two millennia: The Sui–Tang warm period versus the Song–Yuan warm period. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 2229-2241.	3.3	15
89	Causes of mid-Pliocene strengthened summer and weakened winter monsoons over East Asia. <i>Advances in Atmospheric Sciences</i> , 2015, 32, 1016-1026.	4.3	20
90	The concept of global monsoon applied to the last glacial maximum: A multi-model analysis. <i>Quaternary Science Reviews</i> , 2015, 126, 126-139.	3.0	32

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91	Mid-Holocene global monsoon area and precipitation from PMIP simulations. <i>Climate Dynamics</i> , 2015, 44, 2493-2512.	3.8	36
92	The impact of regional uplift of the Tibetan Plateau on the Asian monsoon climate. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 417, 137-150.	2.3	90
93	Mid-Holocene and last glacial maximum changes in monsoon area and precipitation over China. <i>Chinese Science Bulletin</i> , 2015, 60, 400-410.	0.7	13
94	Impact of vegetation feedback on the mid-Pliocene warm climate. <i>Advances in Atmospheric Sciences</i> , 2014, 31, 1407-1416.	4.3	9
95	Time of emergence of climate signals over China under the RCP4.5 scenario. <i>Climatic Change</i> , 2014, 125, 265-276.	3.6	35
96	East Asian monsoon change for the 21st century: Results of CMIP3 and CMIP5 models. <i>Science Bulletin</i> , 2013, 58, 1427-1435.	1.7	113
97	Latest update of the climatology and changes in the seasonal distribution of precipitation over China. <i>Theoretical and Applied Climatology</i> , 2013, 113, 599-610.	2.8	68
98	Mid-Holocene net precipitation changes over China: model-data comparison. <i>Quaternary Science Reviews</i> , 2013, 82, 104-120.	3.0	45
99	Mid-Holocene East Asian summer monsoon strengthening: Insights from Paleoclimate Modeling Intercomparison Project (PMIP) simulations. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 369, 422-429.	2.3	58
100	Mid-Pliocene East Asian monsoon climate simulated in the PlioMIP. <i>Climate of the Past</i> , 2013, 9, 2085-2099.	3.4	60
101	Considerable Model-data Mismatch in Temperature over China during the Mid-Holocene: Results of PMIP Simulations. <i>Journal of Climate</i> , 2012, 25, 4135-4153.	3.2	57
102	Modeling the climate effects of different subregional uplifts within the Himalaya-Tibetan Plateau on Asian summer monsoon evolution. <i>Science Bulletin</i> , 2012, 57, 4617-4626.	1.7	46
103	Last glacial maximum climate over China from PMIP simulations. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011, 309, 347-357.	2.3	56
104	Vegetation feedback under future global warming. <i>Theoretical and Applied Climatology</i> , 2011, 106, 211-227.	2.8	37
105	Simulation of sea surface temperature changes in the Middle Pliocene warm period and comparison with reconstructions. <i>Science Bulletin</i> , 2011, 56, 890-899.	1.7	16
106	Simulation of the Direct Radiative Effect of Mineral Dust Aerosol on the Climate at the Last Glacial Maximum. <i>Journal of Climate</i> , 2011, 24, 843-858.	3.2	28
107	Last Glacial Maximum East Asian Monsoon: Results of PMIP Simulations. <i>Journal of Climate</i> , 2010, 23, 5030-5038.	3.2	63
108	Ensemble projection of 3°C warming in China. <i>Science Bulletin</i> , 2009, 54, 3326-3334.	1.7	34

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109	Projected potential vegetation change in China under the SRES A2 and B2 scenarios. <i>Advances in Atmospheric Sciences</i> , 2008, 25, 126-138.	4.3	5
110	Sensitivity of East Asian climate to the progressive uplift and expansion of the Tibetan Plateau under the mid-Pliocene boundary conditions. <i>Advances in Atmospheric Sciences</i> , 2008, 25, 709-722.	4.3	35
111	Vegetation and soil feedbacks at the Last Glacial Maximum. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2008, 268, 39-46.	2.3	15
112	What triggers the transition of palaeoenvironmental patterns in China, the Tibetan Plateau uplift or the Paratethys Sea retreat?. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2007, 245, 317-331.	2.3	198
113	Simulation of the Last Glacial Maximum climate over East Asia with a regional climate model nested in a general circulation model. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2007, 248, 376-390.	2.3	136
114	Brief review of some CLIVAR-related studies in China. <i>Advances in Atmospheric Sciences</i> , 2007, 24, 1037-1048.	4.3	3
115	Impact of topography and land-sea distribution on East Asian paleoenvironmental patterns. <i>Advances in Atmospheric Sciences</i> , 2006, 23, 258-266.	4.3	12
116	A possible impact of cooling over the Tibetan Plateau on the mid-Holocene East Asian monsoon climate. <i>Advances in Atmospheric Sciences</i> , 2006, 23, 543-550.	4.3	12
117	Paleoclimate modelling at the Institute of Atmospheric Physics, Chinese Academy of Sciences. <i>Advances in Atmospheric Sciences</i> , 2006, 23, 1040-1049.	4.3	7
118	Modeling the middle Pliocene climate with a global atmospheric general circulation model. <i>Journal of Geophysical Research</i> , 2005, 110, n/a-n/a.	3.3	69
119	Natural interdecadal weakening of East Asian summer monsoon in the late 20th century. <i>Science Bulletin</i> , 2005, 50, 1923.	1.7	71
120	Last Glacial Maximum over China: Sensitivities of climate to paleovegetation and Tibetan ice sheet. <i>Journal of Geophysical Research</i> , 2003, 108, n/a-n/a.	3.3	38
121	Impact of Stratospheric Aerosol Injection Geoengineering on the Summer Climate over East Asia. <i>Journal of Geophysical Research D: Atmospheres</i> , 0, , .	3.3	4