

Ping Zhao

List of Publications by Year in descending order

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75
papers

3,005
citations

136950

32
h-index

175258

52
g-index

75
all docs

75
docs citations

75
times ranked

2141
citing authors

#	ARTICLE	IF	CITATIONS
1	Links between the thermal condition of the Tibetan Plateau in summer and atmospheric circulation and climate anomalies over the Eurasian continent. <i>Atmospheric Research</i> , 2021, 247, 105212.	4.1	30
2	Characteristics of the summer atmospheric boundary layer height over the Tibetan Plateau and influential factors. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 5253-5268.	4.9	15
3	Climatic factors contributing to interannual and interdecadal variations in the meridional displacement of the East Asian jet stream in boreal winter. <i>Atmospheric Research</i> , 2021, 264, 105864.	4.1	6
4	Development and preliminary application of a gridded surface air temperature homogenized dataset for China. <i>Theoretical and Applied Climatology</i> , 2020, 139, 505-516.	2.8	12
5	Investigation of the Variability of Near-Surface Temperature Anomaly and Its Causes Over the Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032800.	3.3	14
6	The Long-Term Change of Latent Heat Flux over the Western Tibetan Plateau. <i>Atmosphere</i> , 2020, 11, 262.	2.3	10
7	Variability of summertime Tibetan tropospheric temperature and associated precipitation anomalies over the central-eastern Sahel. <i>Climate Dynamics</i> , 2019, 52, 1819-1835.	3.8	31
8	The Tibetan Plateau Surface-Atmosphere Coupling System and Its Weather and Climate Effects: The Third Tibetan Plateau Atmospheric Science Experiment. <i>Journal of Meteorological Research</i> , 2019, 33, 375-399.	2.4	36
9	Interdecadal change of the middle-upper tropospheric land-sea thermal contrast in the late 1990s and the associated Northern Hemisphere hydroclimate. <i>International Journal of Climatology</i> , 2019, 39, 3271-3281.	3.5	7
10	Estimation of Surface Heat Fluxes Over the Central Tibetan Plateau using the Maximum Entropy Production Model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 6827-6840.	3.3	12
11	Formation of Snow Cover Anomalies Over the Tibetan Plateau in Cold Seasons. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 4873-4890.	3.3	37
12	Global climate effects of summer Tibetan Plateau. <i>Science Bulletin</i> , 2019, 64, 1-3.	9.0	29
13	The Third Atmospheric Scientific Experiment for Understanding the Earth-Atmosphere Coupled System over the Tibetan Plateau and Its Effects. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, 757-776.	3.3	128
14	Surface energy balance closure at ten sites over the Tibetan plateau. <i>Agricultural and Forest Meteorology</i> , 2018, 259, 317-328.	4.8	34
15	Climatic warming in China during 1901-2015 based on an extended dataset of instrumental temperature records. <i>Environmental Research Letters</i> , 2017, 12, 064005.	5.2	35
16	Possible Effect of the Thermal Condition of the Tibetan Plateau on the Interannual Variability of the Summer Asian-Pacific Oscillation. <i>Journal of Climate</i> , 2017, 30, 9965-9977.	3.2	25
17	The regional differences of Tibetan convective systems in boreal summer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 7289-7299.	3.3	21
18	Anomalies of Northern Hemisphere ozone associated with a tropopause-lower stratosphere teleconnection during summer. <i>International Journal of Climatology</i> , 2016, 36, 837-846.	3.5	2

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19	Relative roles of land- and ocean-atmosphere interactions in Asian-Pacific thermal contrast variability at the precessional band. <i>Scientific Reports</i> , 2016, 6, 28349.	3.3	6
20	Analysis of land surface parameters and turbulence characteristics over the Tibetan Plateau and surrounding region. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 9540-9560.	3.3	41
21	Responses of the summer Asian-Pacific zonal thermal contrast and the associated evolution of atmospheric circulation to transient orbital changes during the Holocene. <i>Scientific Reports</i> , 2016, 6, 35816.	3.3	2
22	An observational analysis of warm-sector rainfall characteristics associated with the 21 July 2012 Beijing extreme rainfall event. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 3274-3291.	3.3	42
23	Paleoclimate modeling in China: A review. <i>Advances in Atmospheric Sciences</i> , 2015, 32, 250-275.	4.3	34
24	Rainy-Season Precipitation over the Sichuan Basin and Adjacent Regions in Southwestern China. <i>Monthly Weather Review</i> , 2015, 143, 383-394.	1.4	49
25	Preceding Factors of Summer Asian-Pacific Oscillation and the Physical Mechanism for Their Potential Influences. <i>Journal of Climate</i> , 2015, 28, 2531-2543.	3.2	20
26	Trend of Surface Air Temperature in Eastern China and Associated Large-Scale Climate Variability over the Last 100 Years. <i>Journal of Climate</i> , 2014, 27, 4693-4703.	3.2	58
27	A new estimate of the China temperature anomaly series and uncertainty assessment in 1900-2006. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 1-9.	3.3	58
28	Interdecadal changes in the relationship between Southern China winter-spring precipitation and ENSO. <i>Climate Dynamics</i> , 2014, 43, 1327-1338.	3.8	92
29	Precessional forced extratropical North Pacific mode and associated atmospheric dynamics. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 3732-3745.	2.6	6
30	Diurnal cycle of summer rainfall in Shandong of eastern China. <i>International Journal of Climatology</i> , 2014, 34, 742-750.	3.5	29
31	Simulating changes of spring Asian-Pacific oscillation and associated atmospheric circulation in the mid-Holocene. <i>International Journal of Climatology</i> , 2013, 33, 529-538.	3.5	12
32	Instrumental temperature series in eastern and central China back to the nineteenth century. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 8197-8207.	3.3	88
33	Modeling East Asian climate and impacts of atmospheric CO ₂ concentration during the Late Cretaceous (66Ma). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 385, 190-201.	2.3	28
34	Simulation and Dynamical Prediction of the Summer Asian-Pacific Oscillation and Associated Climate Anomalies by the NCEP CFSv2. <i>Journal of Climate</i> , 2013, 26, 3644-3656.	3.2	12
35	Is the Interannual Variability of the Summer Asian-Pacific Oscillation Predictable?. <i>Journal of Climate</i> , 2013, 26, 3865-3876.	3.2	11
36	Asian Origin of Interannual Variations of Summer Climate over the Extratropical North Atlantic Ocean. <i>Journal of Climate</i> , 2012, 25, 6594-6609.	3.2	38

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37	Weather and climate effects of the Tibetan Plateau. <i>Advances in Atmospheric Sciences</i> , 2012, 29, 978-992.	4.3	140
38	Boreal summer continental monsoon rainfall and hydroclimate anomalies associated with the Asian-Pacific Oscillation. <i>Climate Dynamics</i> , 2012, 39, 1197-1207.	3.8	44
39	Extratropical modulation on Asian summer monsoon at precessional bands. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	11
40	Potential flaws of interdecadal changes over eastern China around the early 1990s in the National Centers for Environmental Prediction's National Center for Atmospheric Research reanalyses. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	5
41	Observational and modeling studies of impacts of the South China Sea monsoon on the monsoon rainfall in the middle-lower reaches of the Yangtze River during summer. <i>Journal of Meteorological Research</i> , 2012, 26, 176-188.	1.0	5
42	A summer weather index in the East Asian pressure field and associated atmospheric circulation and rainfall. <i>International Journal of Climatology</i> , 2012, 32, 375-386.	3.5	4
43	Snowfall over central-eastern China and Asian atmospheric cold source in January. <i>International Journal of Climatology</i> , 2012, 32, 888-899.	3.5	12
44	Interdecadal Relationships between the Asian-Pacific Oscillation and Summer Climate Anomalies over Asia, North Pacific, and North America during a Recent 100 Years. <i>Journal of Climate</i> , 2011, 24, 4793-4799.	3.2	38
45	Relative Controls of Asian-Pacific Summer Climate by Asian Land and Tropical North Pacific Sea Surface Temperature. <i>Journal of Climate</i> , 2011, 24, 4165-4188.	3.2	33
46	Variations of the winter India-Burma Trough and their links to climate anomalies over southern and eastern Asia. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	30
47	The relation of vegetation over the Tibetan Plateau to rainfall in China during the boreal summer. <i>Climate Dynamics</i> , 2011, 36, 1207-1219.	3.8	45
48	A 150-year reconstructed summer Asian-Pacific Oscillation index and its association with precipitation over eastern China. <i>Theoretical and Applied Climatology</i> , 2011, 103, 239-248.	2.8	20
49	East Asian-North Indian Ocean thermal contrast and variation in the East Asian summer monsoon for the past 2650 years. <i>Science China Earth Sciences</i> , 2011, 54, 773-779.	5.2	3
50	Decadal-centennial-scale change in Asian-Pacific summer thermal contrast and solar activity. <i>Science Bulletin</i> , 2011, 56, 3012-3018.	1.7	8
51	Characteristics of decadal-centennial-scale changes in East Asian summer monsoon circulation and precipitation during the Medieval Warm Period and Little Ice Age and in the present day. <i>Science Bulletin</i> , 2011, 56, 3003.	1.7	49
52	Influence of the Asian-Pacific oscillation on spring precipitation over central eastern China. <i>Advances in Atmospheric Sciences</i> , 2010, 27, 575-582.	4.3	32
53	A summer teleconnection pattern over the extratropical Northern Hemisphere and associated mechanisms. <i>Climate Dynamics</i> , 2010, 35, 523-534.	3.8	54
54	Linkage between the Asian-Pacific Oscillation and the sea surface temperature in the North Pacific. <i>Science Bulletin</i> , 2010, 55, 1193-1198.	1.7	29

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55	Interdecadal variability of Tibetan spring vegetation and its associations with eastern China spring rainfall. <i>International Journal of Climatology</i> , 2010, 30, 856-865.	3.5	24
56	Long-Term Changes in Rainfall over Eastern China and Large-Scale Atmospheric Circulation Associated with Recent Global Warming. <i>Journal of Climate</i> , 2010, 23, 1544-1562.	3.2	154
57	Modeling variations of summer upper tropospheric temperature and associated climate over the Asian Pacific region during the mid-Holocene. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	24
58	Impacts of thermodynamic processes over the Tibetan Plateau on the Northern Hemispheric climate. <i>Science in China Series D: Earth Sciences</i> , 2009, 52, 1679-1693.	0.9	127
59	Modeling impacts of East Asian Ocean-Land thermal contrast on spring southwesterly winds and rainfall in eastern China. <i>Science Bulletin</i> , 2009, 54, 4733-4741.	9.0	13
60	Inverse correlation between ancient winter and summer monsoons in East Asia?. <i>Science Bulletin</i> , 2009, 54, 3760-3767.	1.7	39
61	Asian-Pacific Oscillation index and variation of East Asian summer monsoon over the past millennium. <i>Science Bulletin</i> , 2009, 54, 3768-3771.	1.7	50
62	Modeling impacts of vegetation in western China on the summer climate of northwestern China. <i>Advances in Atmospheric Sciences</i> , 2009, 26, 803-812.	4.3	15
63	Remotely modulated tropical-North Pacific ocean-atmosphere interactions by the South Asian high. <i>Atmospheric Research</i> , 2009, 94, 45-60.	4.1	70
64	Modeling the East Asian Climate During the Late Cretaceous (80 Ma). <i>Earth Science Frontiers</i> , 2009, 16, 226-239.	0.6	23
65	Springtime tropospheric temperature over the Tibetan Plateau and evolutions of the tropical Pacific SST. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	77
66	Relationship between the Asian-Pacific oscillation and the tropical cyclone frequency in the western North Pacific. <i>Science in China Series D: Earth Sciences</i> , 2008, 51, 380-385.	0.9	50
67	Variability of Tibetan Spring Snow and Its Associations with the Hemispheric Extratropical Circulation and East Asian Summer Monsoon Rainfall: An Observational Investigation. <i>Journal of Climate</i> , 2007, 20, 3942-3955.	3.2	175
68	Onset of southwesterly wind over eastern China and associated atmospheric circulation and rainfall. <i>Climate Dynamics</i> , 2007, 28, 797-811.	3.8	83
69	An Asian-Pacific teleconnection in summer tropospheric temperature and associated Asian climate variability. <i>Climate Dynamics</i> , 2007, 29, 293-303.	3.8	157
70	The Sea Ice Extent Anomaly in the North Pacific and Its Impact on the East Asian Summer Monsoon Rainfall. <i>Journal of Climate</i> , 2004, 17, 3434-3447.	3.2	96
71	Modeling the East Asian climate during the last glacial maximum. <i>Science in China Series D: Earth Sciences</i> , 2003, 46, 1060-1068.	0.9	15
72	Mechanism of formation of low level jets in the South China Sea during spring and summer of 1998. <i>Science Bulletin</i> , 2003, 48, 1265-1270.	1.7	14

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73	Role of atmospheric heat source/sink over the Qinghai-Xizang Plateau in quasi-4-year oscillation of atmosphere-land-ocean interaction. Science Bulletin, 2001, 46, 241-245.	1.7	10
74	Climatic features of atmospheric heat source/sink over the Qinghai-Xizang Plateau in 35 years and its relation to rainfall in China. Science in China Series D: Earth Sciences, 2001, 44, 858-864.	0.9	115
75	Interdecadal Relationships between the Asian-Pacific Oscillation and Summer Climate Anomalies over Asian, North Pacific and North America during Recent 100 Years. Journal of Climate, 0, , 110415071529000.	3.2	2