

Qing Yan

List of Publications by Year in descending order

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64
papers

2,073
citations

331538

21
h-index

254106

43
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77
all docs

77
docs citations

77
times ranked

2775
citing authors

#	ARTICLE	IF	CITATIONS
1	Large-scale features of Pliocene climate: results from the Pliocene Model Intercomparison Project. <i>Climate of the Past</i> , 2013, 9, 191-209.	1.3	289
2	Aridification of the Sahara desert caused by Tethys Sea shrinkage during the Late Miocene. <i>Nature</i> , 2014, 513, 401-404.	13.7	224
3	Arctic sea ice and Eurasian climate: A review. <i>Advances in Atmospheric Sciences</i> , 2015, 32, 92-114.	1.9	169
4	Palaeoclimate constraints on the impact of 2 °C anthropogenic warming and beyond. <i>Nature Geoscience</i> , 2018, 11, 474-485.	5.4	166
5	Sea Surface Temperature of the mid-Piacenzian Ocean: A Data-Model Comparison. <i>Scientific Reports</i> , 2013, 3, 2013.	1.6	124
6	Time-transgressive onset of the Holocene Optimum in the East Asian monsoon region. <i>Earth and Planetary Science Letters</i> , 2016, 456, 39-46.	1.8	110
7	Pre-industrial and mid-Pliocene simulations with NorESM-L. <i>Geoscientific Model Development</i> , 2012, 5, 523-533.	1.3	96
8	Mid-Pliocene East Asian monsoon climate simulated in the PlioMIP. <i>Climate of the Past</i> , 2013, 9, 2085-2099.	1.3	60
9	Projections of Arctic sea ice conditions and shipping routes in the twenty-first century using CMIP6 forcing scenarios. <i>Environmental Research Letters</i> , 2020, 15, 104079.	2.2	44
10	Enhanced intensity of global tropical cyclones during the mid-Pliocene warm period. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 12963-12967.	3.3	39
11	Using results from the PlioMIP ensemble to investigate the Greenland Ice Sheet during the mid-Pliocene Warm Period. <i>Climate of the Past</i> , 2015, 11, 403-424.	1.3	35
12	What enhanced the aridity in Eocene Asian inland: Global cooling or early Tibetan Plateau uplift?. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 510, 6-14.	1.0	35
13	Developed and developing world contributions to climate system change based on carbon dioxide, methane and nitrous oxide emissions. <i>Advances in Atmospheric Sciences</i> , 2016, 33, 632-643.	1.9	34
14	Deciphering the evolution and forcing mechanisms of glaciation over the Himalayan-Tibetan orogen during the past 20,000 years. <i>Earth and Planetary Science Letters</i> , 2020, 541, 116295.	1.8	34
15	Do climate simulations support the existence of East Asian monsoon climate in the Late Eocene?. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 509, 47-57.	1.0	29
16	Climate Constraints on Glaciation Over High Mountain Asia During the Last Glacial Maximum. <i>Geophysical Research Letters</i> , 2018, 45, 9024-9033.	1.5	29
17	Enhanced Tropical Cyclone Intensity in the Western North Pacific During Warm Periods Over the Last Two Millennia. <i>Geophysical Research Letters</i> , 2019, 46, 9145-9153.	1.5	28
18	Pre-industrial and mid-Pliocene simulations with NorESM-L: AGCM simulations. <i>Geoscientific Model Development</i> , 2012, 5, 1033-1043.	1.3	27

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19	Evolution of the Asian–African Monsoonal Precipitation over the last 21 kyr and the Associated Dynamic Mechanisms. <i>Journal of Climate</i> , 2019, 32, 6551-6569.	1.2	27
20	Central eastern China hydrological changes and ENSO-like variability over the past 1800 yr. <i>Geology</i> , 2021, 49, 1386-1390.	2.0	26
21	Mid-Pliocene westerlies from PlioMIP simulations. <i>Advances in Atmospheric Sciences</i> , 2015, 32, 909-923.	1.9	24
22	Set-up and preliminary results of mid-Pliocene climate simulations with CAM3.1. <i>Geoscientific Model Development</i> , 2012, 5, 289-297.	1.3	22
23	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.	1.2	22
24	Decadal Shift in West China Autumn Precipitation and its Association With Sea Surface Temperature. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 835-847.	1.2	22
25	Greenland ice sheet contribution to future global sea level rise based on CMIP5 models. <i>Advances in Atmospheric Sciences</i> , 2014, 31, 8-16.	1.9	19
26	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
27	Simulation of Greenland ice sheet during the mid-Pliocene warm period. <i>Science Bulletin</i> , 2014, 59, 201-211.	1.7	15
28	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.	1.2	15
29	The Meridional Shift of the Midlatitude Westerlies over Arid Central Asia during the Past 21 000 Years Based on the TraCE-21ka Simulations. <i>Journal of Climate</i> , 2020, 33, 7455-7478.	1.2	15
30	An East Asian Monsoon in the Mid-Pliocene. <i>Atmospheric and Oceanic Science Letters</i> , 2012, 5, 449-454.	0.5	14
31	Dominating Roles of Ice Sheets and Insolation in Variation of Tropical Cyclone Genesis Potential Over the North Atlantic During the Last 21,000 Years. <i>Geophysical Research Letters</i> , 2017, 44, 10,624.	1.5	14
32	Distribution and temporal trends of temperature extremes over Antarctica. <i>Environmental Research Letters</i> , 2019, 14, 084040.	2.2	14
33	Divergent responses of tropical cyclone genesis factors to strong volcanic eruptions at different latitudes. <i>Climate Dynamics</i> , 2018, 50, 2121-2136.	1.7	13
34	Evolution of tropical cyclone genesis regions during the Cenozoic era. <i>Nature Communications</i> , 2019, 10, 3076.	5.8	13
35	Sensitivity of the modeled present-day Greenland Ice Sheet to climatic forcing and spin-up methods and its influence on future sea level projections. <i>Journal of Geophysical Research F: Earth Surface</i> , 2013, 118, 2174-2189.	1.0	12
36	Strengthened African summer monsoon in the mid-Piacenzian. <i>Advances in Atmospheric Sciences</i> , 2016, 33, 1061-1070.	1.9	12

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37	Modeling the late Pliocene global monsoon response to individual boundary conditions. <i>Climate Dynamics</i> , 2019, 53, 4871-4886.	1.7	12
38	Large shift of the Pacific Walker Circulation across the Cenozoic. <i>National Science Review</i> , 2021, 8, nwa101.	4.6	12
39	A Modeling Study of the Tripole Pattern of East China Precipitation Over the Past 425 ka. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033513.	1.2	12
40	Tropical Cyclone Genesis Factors in a Simulation of the Last Two Millennia: Results from the Community Earth System Model. <i>Journal of Climate</i> , 2015, 28, 7182-7202.	1.2	11
41	Investigating uncertainty in the simulation of the Antarctic ice sheet during the mid-Piacenzian. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 1559-1574.	1.2	11
42	Variations in large-scale tropical cyclone genesis factors over the western North Pacific in the PMIP3 last millennium simulations. <i>Climate Dynamics</i> , 2017, 48, 957-970.	1.7	11
43	Timescale dependence of the relationship between the East Asian summer monsoon strength and precipitation over eastern China in the last millennium. <i>Climate of the Past</i> , 2018, 14, 577-591.	1.3	11
44	Evolution of the meridional shift of the subtropical and subpolar westerly jet over the Southern Hemisphere during the past 21,000 years. <i>Quaternary Science Reviews</i> , 2020, 246, 106544.	1.4	10
45	Divergent Evolution of Glaciation Across High Mountain Asia During the Last Four Glacial-Interglacial Cycles. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092411.	1.5	10
46	Has the Problem of a Permanent El Niño been Resolved for the Mid-Pliocene?. <i>Atmospheric and Oceanic Science Letters</i> , 2012, 5, 445-448.	0.5	8
47	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.	1.0	8
48	Investigating Sensitivity of East Asian Monsoon to Orbital Forcing During the Late Pliocene Warm Period. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 7161-7178.	1.2	7
49	Variation of the summer Asian westerly jet over the last millennium based on the PMIP3 simulations. <i>Holocene</i> , 2020, 30, 332-343.	0.9	7
50	Modeling the climate sensitivity of Patagonian glaciers and their responses to climatic change during the global last glacial maximum. <i>Quaternary Science Reviews</i> , 2022, 288, 107582.	1.4	6
51	Millennial Resolution Late Miocene Northern China Precipitation Record Spanning Astronomical Analogue Interval to the Future. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093942.	1.5	5
52	General characteristics of climate change over China and associated dynamic mechanisms during the Last Interglacial based on PMIP4 simulations. <i>Global and Planetary Change</i> , 2022, 208, 103700.	1.6	5
53	A Westward Shift in Tropical Cyclone Potential Intensity and Genesis Regions in the North Atlantic During the Last Interglacial. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093946.	1.5	4
54	Widespread glacier advances across the Tian Shan during Marine Isotope Stage 3 not supported by climate-glaciation simulations. <i>Fundamental Research</i> , 2023, 3, 102-110.	1.6	4

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55	Orbitally Induced Variation of Tropical Cyclone Genesis Potential Over the Western North Pacific During the Mid-Piacenzian Warm Period: A Modeling Perspective. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 902-916.	1.3	3
56	Reexamination of the Late Pliocene Climate over China Using a 25-km Resolution General Circulation Model. <i>Journal of Climate</i> , 2019, 32, 897-916.	1.2	3
57	Reduction in extreme climate events and potential impacts by the use of technological advances. <i>International Journal of Climatology</i> , 2021, 41, 2495-2508.	1.5	3
58	Influence of recent carbon emissions on the attribution of responsibility for climate change. <i>Chinese Science Bulletin</i> , 2015, 60, 674-680.	0.4	3
59	Quantitative Estimation of the Climatic Effects of Carbon Transferred by International Trade. <i>Scientific Reports</i> , 2016, 6, 28046.	1.6	2
60	Potential impacts of enhanced tropical cyclone activity on the El Niño-Southern Oscillation and East Asian monsoon in the mid-Piacenzian warm period. <i>Atmospheric and Oceanic Science Letters</i> , 2019, 12, 1-11.	0.5	2
61	Possible Modulation of the Interannual ENSO-East Asian Winter Monsoon Relationship by the North American Ice Sheets During the Last 21 ka. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089572.	1.5	2
62	Deciphering the variations and mechanisms of the westerly jets across the Northern Hemisphere during the Last Interglacial based on PMIP4 models. <i>Climate Dynamics</i> , 2022, 58, 3279-3295.	1.7	2
63	Spatiotemporal variations of extreme events in surface mass balance over Greenland during 1958-2019. <i>International Journal of Climatology</i> , 0, , .	1.5	1
64	Intensified atmospheric branch of the hydrological cycle over the Tibetan Plateau during the Last Interglacial from a dynamical downscaling perspective. <i>Journal of Geophysical Research D: Atmospheres</i> , 0, , .	1.2	0