

Ping Huang

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

1,827
citations

257450

24
h-index

289244

40
g-index

62
all docs

62
docs citations

62
times ranked

1633
citing authors

#	ARTICLE	IF	CITATIONS
1	Patterns of the seasonal response of tropical rainfall to global warming. <i>Nature Geoscience</i> , 2013, 6, 357-361.	12.9	300
2	Mechanisms of change in ENSO-induced tropical Pacific rainfall variability in a warming climate. <i>Nature Geoscience</i> , 2015, 8, 922-926.	12.9	131
3	Seasonal Modulation of Tropical Intraseasonal Oscillations on Tropical Cyclone Geneses in the Western North Pacific. <i>Journal of Climate</i> , 2011, 24, 6339-6352.	3.2	96
4	Change in ocean subsurface environment to suppress tropical cyclone intensification under global warming. <i>Nature Communications</i> , 2015, 6, 7188.	12.8	91
5	A Multimodel Ensemble Pattern Regression Method to Correct the Tropical Pacific SST Change Patterns under Global Warming. <i>Journal of Climate</i> , 2015, 28, 4706-4723.	3.2	72
6	Intensification of El Niño-induced atmospheric anomalies under greenhouse warming. <i>Nature Geoscience</i> , 2021, 14, 377-382.	12.9	60
7	Restored relationship between ENSO and Indian summer monsoon rainfall around 1999/2000. <i>Innovation(China)</i> , 2021, 2, 100102.	9.1	58
8	Changes in the East Asian summer monsoon rainfall under global warming: moisture budget decompositions and the sources of uncertainty. <i>Climate Dynamics</i> , 2018, 51, 1363-1373.	3.8	45
9	The record-breaking heat wave of June 2019 in Central Europe. <i>Atmospheric Science Letters</i> , 2020, 21, e964.	1.9	45
10	Evaluating the formation mechanisms of the equatorial Pacific SST warming pattern in CMIP5 models. <i>Advances in Atmospheric Sciences</i> , 2016, 33, 433-441.	4.3	41
11	Origins of the Excessive Westward Extension of ENSO SST Simulated in CMIP5 and CMIP6 Models. <i>Journal of Climate</i> , 2021, 34, 2839-2851.	3.2	41
12	Extreme weather events recorded by daily to hourly resolution biogeochemical proxies of marine giant clam shells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 7038-7043.	7.1	40
13	Regional response of annual-mean tropical rainfall to global warming. <i>Atmospheric Science Letters</i> , 2014, 15, 103-109.	1.9	39
14	Cloud-Radiation Feedback as a Leading Source of Uncertainty in the Tropical Pacific SST Warming Pattern in CMIP5 Models. <i>Journal of Climate</i> , 2016, 29, 3867-3881.	3.2	39
15	Climatology and Interannual Variability of Convectively Coupled Equatorial Waves Activity. <i>Journal of Climate</i> , 2011, 24, 4451-4465.	3.2	36
16	Understanding the effect of an excessive cold tongue bias on projecting the tropical Pacific SST warming pattern in CMIP5 models. <i>Climate Dynamics</i> , 2019, 52, 1805-1818.	3.8	35
17	Role of the phase transition of intraseasonal oscillation on the South China Sea summer monsoon onset. <i>Climate Dynamics</i> , 2015, 45, 125-137.	3.8	34
18	Basin-wide responses of the South China Sea environment to Super Typhoon Mangkhut (2018). <i>Science of the Total Environment</i> , 2020, 731, 139093.	8.0	34

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19	Emergence of climate change in the tropical Pacific. <i>Nature Climate Change</i> , 2022, 12, 356-364.	18.8	34
20	Tropical Pacific trends under global warming: El Niño-like or La Niña-like?. <i>National Science Review</i> , 2018, 5, 810-812.	9.5	31
21	Time-Varying Response of ENSO-Induced Tropical Pacific Rainfall to Global Warming in CMIP5 Models. Part I: Multimodel Ensemble Results. <i>Journal of Climate</i> , 2016, 29, 5763-5778.	3.2	30
22	Northwest Pacific Anticyclonic Anomalies during Post-El Niño Summers Determined by the Pace of El Niño Decay. <i>Journal of Climate</i> , 2019, 32, 3487-3503.	3.2	29
23	An abrupt increase of intense typhoons over the western North Pacific in early summer. <i>Environmental Research Letters</i> , 2011, 6, 034013.	5.2	27
24	Weakening of the Tropical Atmospheric Circulation Response to Local Sea Surface Temperature Anomalies under Global Warming. <i>Journal of Climate</i> , 2017, 30, 8149-8158.	3.2	26
25	Weakening of Northwest Pacific Anticyclone Anomalies during Post-El Niño Summers under Global Warming. <i>Journal of Climate</i> , 2018, 31, 3539-3555.	3.2	26
26	Modulation of western North Pacific tropical cyclone genesis by intraseasonal oscillation of the ITCZ: A statistical analysis. <i>Advances in Atmospheric Sciences</i> , 2012, 29, 744-754.	4.3	23
27	Simulated ENSO's impact on tropical cyclone genesis over the western North Pacific in CMIP5 models and its changes under global warming. <i>International Journal of Climatology</i> , 2019, 39, 3668-3678.	3.5	21
28	Decreased takeoff performance of aircraft due to climate change. <i>Climatic Change</i> , 2018, 151, 463-472.	3.6	19
29	Intermodel Uncertainty in the Change of ENSO's Amplitude under Global Warming: Role of the Response of Atmospheric Circulation to SST Anomalies. <i>Journal of Climate</i> , 2019, 32, 369-383.	3.2	19
30	Intermodel Spread of the Changes in the East Asian Summer Monsoon System in CMIP5/6 Models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, 2020JD033016.	3.3	19
31	Impacts of the combined modes of the tropical Indo-Pacific sea surface temperature anomalies on the tropical cyclone genesis over the western North Pacific. <i>International Journal of Climatology</i> , 2019, 39, 2108-2119.	3.5	17
32	Disentangling dynamical and thermodynamical contributions to the record-breaking heatwave over Central Europe in June 2019. <i>Atmospheric Research</i> , 2021, 252, 105446.	4.1	17
33	Excessive ITCZ but Negative SST Biases in the Tropical Pacific Simulated by CMIP5/6 Models: The Role of the Meridional Pattern of SST Bias. <i>Journal of Climate</i> , 2020, 33, 5305-5316.	3.2	16
34	Amplified Waveguide Teleconnections Along the Polar Front Jet Favor Summer Temperature Extremes Over Northern Eurasia. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093735.	4.0	16
35	An Introduction to the Integrated Climate Model of the Center for Monsoon System Research and its simulated influence of El Niño on East Asian-western North Pacific climate. <i>Advances in Atmospheric Sciences</i> , 2014, 31, 1136-1146.	4.3	15
36	Seasonal Changes in Tropical SST and the Surface Energy Budget under Global Warming Projected by CMIP5 Models. <i>Journal of Climate</i> , 2015, 28, 6503-6515.	3.2	15

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37	The Large-Scale Ocean Dynamical Effect on Uncertainty in the Tropical Pacific SST Warming Pattern in CMIP5 Models. <i>Journal of Climate</i> , 2016, 29, 8051-8065.	3.2	15
38	The activity of convectively coupled equatorial waves in CMIP3 global climate models. <i>Theoretical and Applied Climatology</i> , 2013, 112, 697-711.	2.8	14
39	Time-Varying Response of ENSO-Induced Tropical Pacific Rainfall to Global Warming in CMIP5 Models. Part II: Intermodel Uncertainty. <i>Journal of Climate</i> , 2017, 30, 595-608.	3.2	14
40	Enlarged Asymmetry of Tropical Pacific Rainfall Anomalies Induced by El Niño and La Niña under Global Warming. <i>Journal of Climate</i> , 2017, 30, 1327-1343.	3.2	14
41	Changes in the sensitivity of tropical rainfall response to local sea surface temperature anomalies under global warming. <i>International Journal of Climatology</i> , 2019, 39, 5801-5814.	3.5	14
42	A bias-corrected projection for the changes in East Asian summer monsoon rainfall under global warming. <i>Climate Dynamics</i> , 2020, 54, 1-16.	3.8	14
43	Disentangling the Changes in the Indian Ocean Dipole-Related SST and Rainfall Variability under Global Warming in CMIP5 Models. <i>Journal of Climate</i> , 2019, 32, 3803-3818.	3.2	12
44	Leading source and constraint on the systematic spread of the changes in East Asian and western North Pacific summer monsoon. <i>Environmental Research Letters</i> , 2019, 14, 124059.	5.2	9
45	Potential fire risks in South America under anthropogenic forcing hidden by the Atlantic Multidecadal Oscillation. <i>Nature Communications</i> , 2022, 13, 2437.	12.8	9
46	Varying contributions of fast and slow responses cause asymmetric tropical rainfall change between CO ₂ ramp-up and ramp-down. <i>Science Bulletin</i> , 2022, 67, 1702-1711.	9.0	9
47	Biases and improvements of the ENSO-East Asian winter monsoon teleconnection in CMIP5 and CMIP6 models. <i>Climate Dynamics</i> , 2022, 59, 2467-2480.	3.8	8
48	Relationship between the Modes of Winter Tropical Pacific SST Anomalies and the Intraseasonal Variations of the Following Summer Rainfall Anomalies in China. <i>Atmospheric and Oceanic Science Letters</i> , 2009, 2, 295-300.	1.3	7
49	Emergent Constraint on the Frequency of Central Pacific El Niño Under Global Warming by the Equatorial Pacific Cold Tongue Bias in CMIP5/6 Models. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089519.	4.0	7
50	Trends in extreme high temperature at different altitudes of Southwest China during 1961–2014. <i>Atmospheric and Oceanic Science Letters</i> , 2020, 13, 417-425.	1.3	7
51	An improved model-based analogue forecasting for the prediction of the tropical Indo-Pacific Sea surface temperature in a coupled climate model. <i>International Journal of Climatology</i> , 2020, 40, 6346-6360.	3.5	7
52	CMIP6 model-based analog forecasting for the seasonal prediction of sea surface temperature in the offshore area of China. <i>Geoscience Letters</i> , 2021, 8, .	3.3	5
53	Mechanism for the Spatial Pattern of the Amplitude Changes in Tropical Intraseasonal and Interannual Variability under Global Warming. <i>Journal of Climate</i> , 2021, 34, 4495-4504.	3.2	5
54	The role of background SST changes in the ENSO-driven rainfall variability revealed from the atmospheric model experiments in CMIP5/6. <i>Atmospheric Research</i> , 2021, 261, 105732.	4.1	5

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55	Delayed atmospheric temperature response to ENSO SST: Role of high SST and the western Pacific. <i>Advances in Atmospheric Sciences</i> , 2009, 26, 343-351.	4.3	4
56	An Improved ENSO Ensemble Forecasting Strategy Based on Multiple Coupled Model Initialization Parameters. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 2868-2878.	3.8	3
57	An evaluation of force terms in the lattice Boltzmann models in simulating shallow water flows over complex topography. <i>International Journal for Numerical Methods in Fluids</i> , 2019, 90, 357-373.	1.6	3
58	Changes in ENSO-driven Hadley circulation variability under global warming. <i>Atmospheric Research</i> , 2022, 274, 106220.	4.1	3
59	The diversity of ENSO evolution during the typical decaying periods determined by an ENSO developing mode. <i>Journal of Climate</i> , 2022, , 1-33.	3.2	2
60	Delayed Seasonal Transition of Tropical Wave Activity in the CMIP3 Global Climate Models. <i>Atmospheric and Oceanic Science Letters</i> , 2013, 6, 33-38.	1.3	0
61	Discrepant effects of atmospheric adjustments in shaping the spatial pattern of SST anomalies between extreme and moderate El Niño. <i>Journal of Climate</i> , 2021, , 1-42.	3.2	0