

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	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
2	Emergence of climate change in the tropical Pacific. <i>Nature Climate Change</i> , 2022, 12, 356-364.	18.8	34
3	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
4	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
5	Changes in ENSO-driven Hadley circulation variability under global warming. <i>Atmospheric Research</i> , 2022, 274, 106220.	4.1	3
6	Varying contributions of fast and slow responses cause asymmetric tropical rainfall change between CO2 ramp-up and ramp-down. <i>Science Bulletin</i> , 2022, 67, 1702-1711.	9.0	9
7	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
8	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
9	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
10	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
11	Intensification of El Niño-induced atmospheric anomalies under greenhouse warming. <i>Nature Geoscience</i> , 2021, 14, 377-382.	12.9	60
12	Restored relationship between ENSO and Indian summer monsoon rainfall around 1999/2000. <i>Innovation(China)</i> , 2021, 2, 100102.	9.1	58
13	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
14	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
15	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
16	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
17	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
18	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

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19	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
20	The record-breaking heat wave of June 2019 in Central Europe. <i>Atmospheric Science Letters</i> , 2020, 21, e964.	1.9	45
21	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
22	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
23	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
24	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
25	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
26	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
27	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
28	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
29	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
30	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
31	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
32	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
33	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
34	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
35	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
36	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

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37	Decreased takeoff performance of aircraft due to climate change. <i>Climatic Change</i> , 2018, 151, 463-472.	3.6	19
38	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
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	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
42	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
43	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
44	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
45	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
46	Change in ocean subsurface environment to suppress tropical cyclone intensification under global warming. <i>Nature Communications</i> , 2015, 6, 7188.	12.8	91
47	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
48	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
49	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
50	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
51	Regional response of annual mean tropical rainfall to global warming. <i>Atmospheric Science Letters</i> , 2014, 15, 103-109.	1.9	39
52	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
53	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
54	Patterns of the seasonal response of tropical rainfall to global warming. <i>Nature Geoscience</i> , 2013, 6, 357-361.	12.9	300

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55	Delayed Seasonal Transition of Tropical Wave Activity in the CMIP3 Global Climate Models. Atmospheric and Oceanic Science Letters, 2013, 6, 33-38.	1.3	0
56	Modulation of western North Pacific tropical cyclone genesis by intraseasonal oscillation of the ITCZ: A statistical analysis. Advances in Atmospheric Sciences, 2012, 29, 744-754.	4.3	23
57	Climatology and Interannual Variability of Convectively Coupled Equatorial Waves Activity. Journal of Climate, 2011, 24, 4451-4465.	3.2	36
58	An abrupt increase of intense typhoons over the western North Pacific in early summer. Environmental Research Letters, 2011, 6, 034013.	5.2	27
59	Seasonal Modulation of Tropical Intraseasonal Oscillations on Tropical Cyclone Geneses in the Western North Pacific. Journal of Climate, 2011, 24, 6339-6352.	3.2	96
60	Relationship between the Modes of Winter Tropical Pacific SST Anomalies and the Intraseasonal Variations of the Following Summer Rainfall Anomalies in China. Atmospheric and Oceanic Science Letters, 2009, 2, 295-300.	1.3	7
61	Delayed atmospheric temperature response to ENSO SST: Role of high SST and the western Pacific. Advances in Atmospheric Sciences, 2009, 26, 343-351.	4.3	4