

Chao He

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

1,111
citations

471509

17
h-index

414414

32
g-index

37
all docs

37
docs citations

37
times ranked

1065
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced or Weakened Western North Pacific Subtropical High under Global Warming?. Scientific Reports, 2015, 5, 16771.	3.3	125
2	Responses of the Western North Pacific Subtropical High to Global Warming under RCP4.5 and RCP8.5 Scenarios Projected by 33 CMIP5 Models: The Dominance of Tropical Indian Oceanâ€™ Tropical Western Pacific SST Gradient. Journal of Climate, 2015, 28, 365-380.	3.2	104
3	Western Pacific emergent constraint lowers projected increase in Indian summer monsoonâ€™rainfall. Nature Climate Change, 2017, 7, 708-712.	18.8	92
4	Responses of the Summertime Subtropical Anticyclones to Global Warming. Journal of Climate, 2017, 30, 6465-6479.	3.2	73
5	Enhanced Latent Heating over the Tibetan Plateau as a Key to the Enhanced East Asian Summer Monsoon Circulation under a Warming Climate. Journal of Climate, 2019, 32, 3373-3388.	3.2	68
6	Using eddy geopotential height to measure the western North Pacific subtropical high in a warming climate. Theoretical and Applied Climatology, 2018, 131, 681-691.	2.8	59
7	The two interannual variability modes of the Western North Pacific Subtropical High simulated by 28 CMIP5â€™AMIP models. Climate Dynamics, 2014, 43, 2455-2469.	3.8	56
8	The key oceanic regions responsible for the interannual variability of the western North Pacific subtropical high and associated mechanisms. Journal of Meteorological Research, 2015, 29, 562-575.	2.4	54
9	An interdecadal change in the intensity of interannual variability in summer rainfall over southern China around early 1990s. Climate Dynamics, 2017, 48, 191-207.	3.8	47
10	How does El NiÃ±o-Southern Oscillation modulate the interannual variability of winter haze days over eastern China?. Science of the Total Environment, 2019, 651, 1892-1902.	8.0	47
11	Does global warming amplify interannual climate variability?. Climate Dynamics, 2019, 52, 2667-2684.	3.8	44
12	Interannual variability of Eastern China Summer Rainfall: the origins of the meridional triple and dipole modes. Climate Dynamics, 2017, 48, 683-696.	3.8	34
13	Different Enhancement of the East Asian Summer Monsoon under Global Warming and Interglacial Epochs Simulated by CMIP6 Models: Role of the Subtropical High. Journal of Climate, 2020, 33, 9721-9733.	3.2	31
14	Decadal change of the connection between summer western North Pacific Subtropical High and tropical <sc>SST</sc> in the early 1990s. Atmospheric Science Letters, 2015, 16, 253-259.	1.9	30
15	Weakened Anomalous Western North Pacific Anticyclone during an El NiÃ±oâ€™Decaying Summer under a Warmer Climate: Dominant Role of the Weakened Impact of the Tropical Indian Ocean on the Atmosphere. Journal of Climate, 2019, 32, 213-230.	3.2	29
16	Drier North American Monsoon in Contrast to Asianâ€™African Monsoon under Global Warming. Journal of Climate, 2020, 33, 9801-9816.	3.2	28
17	Distinctive South and East Asian monsoon circulation responses to global warming. Science Bulletin, 2022, 67, 762-770.	9.0	24
18	Two interannual variability modes of the Northwestern Pacific Subtropical Anticyclone in boreal summer. Science China Earth Sciences, 2013, 56, 1254-1265.	5.2	19

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19	How much of the interannual variability of East Asian summer rainfall is forced by SST?. <i>Climate Dynamics</i> , 2016, 47, 555-565.	3.8	19
20	The relation of cross-equatorial flow during winter and spring with South China Sea summer monsoon onset. <i>International Journal of Climatology</i> , 2017, 37, 4576-4585.	3.5	16
21	A Robustness Analysis of CMIP5 Models over the East Asia-Western North Pacific Domain. <i>Engineering</i> , 2017, 3, 773-778.	6.7	13
22	Zonal displacement of the Western North Pacific subtropical high from early to late summer. <i>International Journal of Climatology</i> , 2020, 40, 5029-5041.	3.5	13
23	Change in Coherence of Summer Rainfall Variability over the Western Pacific around the Early 2000s: ENSO Influence. <i>Journal of Climate</i> , 2020, 33, 1105-1119.	3.2	12
24	Response of Western North Pacific Anomalous Anticyclones in the Summer of Decaying El Niño to Global Warming: Diverse Projections Based on CMIP6 and CMIP5 Models. <i>Journal of Climate</i> , 2022, 35, 359-372.	3.2	11
25	East Asian summer monsoon enhanced by COVID-19. <i>Climate Dynamics</i> , 2022, 59, 2965-2978.	3.8	11
26	Observed changes in precipitation extremes and effects of tropical cyclones in South China during 1955–2013. <i>International Journal of Climatology</i> , 2019, 39, 2677-2684.	3.5	9
27	Formation mechanism for the amplitude of interannual climate variability in subtropical northern hemisphere: relative contributions from the zonal asymmetric mean state and the interannual variability of SST. <i>Climate Dynamics</i> , 2017, 48, 697-705.	3.8	8
28	Decadal change in the relationship between East Asian spring circulation and ENSO: Is it modulated by Pacific Decadal Oscillation?. <i>International Journal of Climatology</i> , 2019, 39, 172-187.	3.5	7
29	Weakened Impact of the Developing El Niño on Tropical Indian Ocean Climate Variability under Global Warming. <i>Journal of Climate</i> , 2019, 32, 7265-7279.	3.2	6
30	The fraction of East Asian interannual climate variability explained by <sc>SST</sc> in different seasons: an estimation based on 12 <sc>CMIP5</sc> models. <i>Atmospheric Science Letters</i> , 2017, 18, 45-51.	1.9	5
31	Response of the anomalous western North Pacific anticyclone during El Niño mature winter to global warming. <i>Climate Dynamics</i> , 2020, 54, 727-740.	3.8	5
32	Impact of Global Warming on the Western North Pacific Circulation Anomaly during Developing El Niño. <i>Journal of Climate</i> , 2020, 33, 2333-2349.	3.2	5
33	Cluster analysis of tropical cyclones affecting the Taiwan Strait. <i>International Journal of Climatology</i> , 2019, 39, 3915-3931.	3.5	4
34	Development and Evaluation of High Resolution Climate System Models. , 2016, , .		3
35	Impact of the mean state on El Niño induced western North Pacific anomalous anticyclone during its decaying summer in AMIP models. <i>Journal of Climate</i> , 2021, , 1-49.	3.2	0
36	Metrics for Gauging Model Performance Over the East Asian–Western Pacific Domain. , 2016, , 209-256.		0