

Haijun Yang

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

667
citations

623734

14
h-index

580821

25
g-index

36
all docs

36
docs citations

36
times ranked

768
citing authors

#	ARTICLE	IF	CITATIONS
1	Land-atmosphere-ocean coupling associated with the Tibetan Plateau and its climate impacts. National Science Review, 2020, 7, 534-552.	9.5	119
2	ENSO amplitude change in observation and coupled models. Advances in Atmospheric Sciences, 2008, 25, 361-366.	4.3	68
3	Decomposing the meridional heat transport in the climate system. Climate Dynamics, 2015, 44, 2751-2768.	3.8	59
4	Revisiting the Thermocline Depth in the Equatorial Pacific*. Journal of Climate, 2009, 22, 3856-3863.	3.2	51
5	Tropical-extratropical climate interaction as revealed in idealized coupled climate model experiments. Climate Dynamics, 2005, 24, 863-879.	3.8	34
6	Wind effect on the Atlantic meridional overturning circulation via sea ice and vertical diffusion. Climate Dynamics, 2016, 46, 3387-3403.	3.8	25
7	Investigating the Role of the Tibetan Plateau in the Formation of Atlantic Meridional Overturning Circulation. Journal of Climate, 2020, 33, 3585-3601.	3.2	25
8	A modelling study of the Bjerknes compensation in the meridional heat transport in a freshening ocean. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 65, 18480.	1.7	22
9	Understanding Bjerknes Compensation in Atmosphere and Ocean Heat Transports Using a Coupled Box Model. Journal of Climate, 2016, 29, 2145-2160.	3.2	22
10	A Theory for Bjerknes Compensation: The Role of Climate Feedback. Journal of Climate, 2016, 29, 191-208.	3.2	22
11	Anatomizing the Ocean's Role in ENSO Changes under Global Warming*. Journal of Climate, 2008, 21, 6539-6555.	3.2	21
12	Effect of wind forcing on the meridional heat transport in a coupled climate model: equilibrium response. Climate Dynamics, 2015, 45, 1451-1470.	3.8	21
13	Portraying the Impact of the Tibetan Plateau on Global Climate. Journal of Climate, 2020, 33, 3565-3583.	3.2	21
14	Heat Transport Compensation in Atmosphere and Ocean over the Past 22,000 Years. Scientific Reports, 2015, 5, 16661.	3.3	20
15	Equilibrium thermal response timescale of global oceans. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	17
16	An idealized study of the impact of extratropical climate change on El Niño-Southern Oscillation. Climate Dynamics, 2005, 25, 869-880.	3.8	15
17	How does extratropical warming affect ENSO?. Geophysical Research Letters, 2005, 32, .	4.0	13
18	Investigating the Role of the Tibetan Plateau in the Formation of Pacific Meridional Overturning Circulation. Journal of Climate, 2020, 33, 3603-3617.	3.2	13

#	ARTICLE	IF	CITATIONS
19	Bjerknes Compensation in Meridional Heat Transport under Freshwater Forcing and the Role of Climate Feedback. <i>Journal of Climate</i> , 2017, 30, 5167-5185.	3.2	12
20	Roles of energy conservation and climate feedback in Bjerknes compensation: a coupled modeling study. <i>Climate Dynamics</i> , 2017, 49, 1513-1529.	3.8	12
21	Assessing Bjerknes Compensation for Climate Variability and Its Time-Scale Dependence. <i>Journal of Climate</i> , 2016, 29, 5501-5512.	3.2	11
22	Understanding Bjerknes Compensation in Meridional Heat Transports and the Role of Freshwater in a Warming Climate. <i>Journal of Climate</i> , 2018, 31, 4791-4806.	3.2	8
23	Role of the Atmospheric and Oceanic Circulation in the Tropical Pacific SST Changes. <i>Journal of Climate</i> , 2008, 21, 2019-2034.	3.2	6
24	A Theory for Self-Sustained Multicentennial Oscillation of the Atlantic Meridional Overturning Circulation. <i>Journal of Climate</i> , 2022, 35, 5883-5896.	3.2	6
25	Estimating the nonlinear response of tropical ocean to extratropical forcing in a coupled climate model. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	5
26	Mechanisms of Atlantic Meridional Overturning Circulation (AMOC) variability in a coupled ocean-atmosphere GCM. <i>Advances in Atmospheric Sciences</i> , 2014, 31, 241-251.	4.3	5
27	Can the Topography of Tibetan Plateau Affect the Antarctic Bottom Water?. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092448.	4.0	5
28	Possible Thermal Effect of Tibetan Plateau on the Atlantic Meridional Overturning Circulation. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	4
29	Influence of Tibetan Plateau on the North American summer monsoon precipitation. <i>Climate Dynamics</i> , 2021, 57, 3093-3110.	3.8	2
30	Impact of Tibetan Plateau on North African precipitation. <i>Climate Dynamics</i> , 2021, 57, 2767.	3.8	2
31	Assessing the meridional atmosphere and ocean energy transport in a varying climate. <i>Science Bulletin</i> , 2013, 58, 1737-1740.	1.7	1
32	Roles of the Rocky Mountains in the Atlantic and Pacific Meridional Overturning Circulations. <i>Journal of Climate</i> , 2021, , 1-41.	3.2	0
33	Bjerknes compensation in a coupled global box model. <i>Climate Dynamics</i> , 2021, 57, 3569-3582.	3.8	0
34	Roles of climate feedback and ocean vertical mixing in modulating global warming rate. <i>Climate Dynamics</i> , 0, , .	3.8	0