

Haijun Yang

List of Publications by Year in descending order

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34
papers

667
citations

623734
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36
all docs

36
docs citations

36
times ranked

768
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Possible Thermal Effect of Tibetan Plateau on the Atlantic Meridional Overturning Circulation. Geophysical Research Letters, 2022, 49, .	4.0	4
3	A Theory for Self-Sustained Multicentennial Oscillation of the Atlantic Meridional Overturning Circulation. Journal of Climate, 2022, 35, 5883-5896.	3.2	6
4	Can the Topography of Tibetan Plateau Affect the Antarctic Bottom Water?. Geophysical Research Letters, 2021, 48, e2021GL092448.	4.0	5
5	Roles of the Rocky Mountains in the Atlantic and Pacific Meridional Overturning Circulations. Journal of Climate, 2021, , 1-41.	3.2	0
6	Influence of Tibetan Plateau on the North American summer monsoon precipitation. Climate Dynamics, 2021, 57, 3093-3110.	3.8	2
7	Impact of Tibetan Plateau on North African precipitation. Climate Dynamics, 2021, 57, 2767.	3.8	2
8	Bjerknes compensation in a coupled global box model. Climate Dynamics, 2021, 57, 3569-3582.	3.8	0
9	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
10	Portraying the Impact of the Tibetan Plateau on Global Climate. Journal of Climate, 2020, 33, 3565-3583.	3.2	21
11	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
12	Landâ€œatmosphereâ€œocean coupling associated with the Tibetan Plateau and its climate impacts. National Science Review, 2020, 7, 534-552.	9.5	119
13	Understanding Bjerknes Compensation in Meridional Heat Transports and the Role of Freshwater in a Warming Climate. Journal of Climate, 2018, 31, 4791-4806.	3.2	8
14	Bjerknes Compensation in Meridional Heat Transport under Freshwater Forcing and the Role of Climate Feedback. Journal of Climate, 2017, 30, 5167-5185.	3.2	12
15	Roles of energy conservation and climate feedback in Bjerknes compensation: a coupled modeling study. Climate Dynamics, 2017, 49, 1513-1529.	3.8	12
16	Assessing Bjerknes Compensation for Climate Variability and Its Time-Scale Dependence. Journal of Climate, 2016, 29, 5501-5512.	3.2	11
17	Understanding Bjerknes Compensation in Atmosphere and Ocean Heat Transports Using a Coupled Box Model. Journal of Climate, 2016, 29, 2145-2160.	3.2	22
18	Wind effect on the Atlantic meridional overturning circulation via sea ice and vertical diffusion. Climate Dynamics, 2016, 46, 3387-3403.	3.8	25

#	ARTICLE	IF	CITATIONS
19	A Theory for Bjerknes Compensation: The Role of Climate Feedback. <i>Journal of Climate</i> , 2016, 29, 191-208.	3.2	22
20	Heat Transport Compensation in Atmosphere and Ocean over the Past 22,000 Years. <i>Scientific Reports</i> , 2015, 5, 16661.	3.3	20
21	Decomposing the meridional heat transport in the climate system. <i>Climate Dynamics</i> , 2015, 44, 2751-2768.	3.8	59
22	Effect of wind forcing on the meridional heat transport in a coupled climate model: equilibrium response. <i>Climate Dynamics</i> , 2015, 45, 1451-1470.	3.8	21
23	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
24	Assessing the meridional atmosphere and ocean energy transport in a varying climate. <i>Science Bulletin</i> , 2013, 58, 1737-1740.	1.7	1
25	Equilibrium thermal response timescale of global oceans. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	17
26	Revisiting the Thermocline Depth in the Equatorial Pacific*. <i>Journal of Climate</i> , 2009, 22, 3856-3863.	3.2	51
27	ENSO amplitude change in observation and coupled models. <i>Advances in Atmospheric Sciences</i> , 2008, 25, 361-366.	4.3	68
28	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
29	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
30	Anatomizing the Ocean's Role in ENSO Changes under Global Warming*. <i>Journal of Climate</i> , 2008, 21, 6539-6555.	3.2	21
31	Tropical-extratropical climate interaction as revealed in idealized coupled climate model experiments. <i>Climate Dynamics</i> , 2005, 24, 863-879.	3.8	34
32	An idealized study of the impact of extratropical climate change on El Niño-Southern Oscillation. <i>Climate Dynamics</i> , 2005, 25, 869-880.	3.8	15
33	How does extratropical warming affect ENSO?. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	13
34	Roles of climate feedback and ocean vertical mixing in modulating global warming rate. <i>Climate Dynamics</i> , 0, , .	3.8	0