

John C H Chiang

List of Publications by Year in descending order

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56
papers

5,411
citations

136740

32
h-index

155451

55
g-index

60
all docs

60
docs citations

60
times ranked

5711
citing authors

#	ARTICLE	IF	CITATIONS
1	Analogous Pacific and Atlantic Meridional Modes of Tropical Atmosphere–Ocean Variability*. <i>Journal of Climate</i> , 2004, 17, 4143-4158.	1.2	719
2	Influence of high latitude ice cover on the marine Intertropical Convergence Zone. <i>Climate Dynamics</i> , 2005, 25, 477-496.	1.7	687
3	Increase in the range between wet and dry season precipitation. <i>Nature Geoscience</i> , 2013, 6, 263-267.	5.4	397
4	Tropical Tropospheric Temperature Variations Caused by ENSO and Their Influence on the Remote Tropical Climate*. <i>Journal of Climate</i> , 2002, 15, 2616-2631.	1.2	396
5	Pacific meridional mode and El Niño–Southern Oscillation. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	289
6	Sensitivity of the Atlantic Intertropical Convergence Zone to Last Glacial Maximum boundary conditions. <i>Paleoceanography</i> , 2003, 18, n/a-n/a.	3.0	261
7	Variability of stalagmite-inferred Indian monsoon precipitation over the past 252,000 y. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2954-2959.	3.3	233
8	Deconstructing Atlantic Intertropical Convergence Zone variability: Influence of the local cross-equatorial sea surface temperature gradient and remote forcing from the eastern equatorial Pacific. <i>Journal of Geophysical Research</i> , 2002, 107, ACL 3-1.	3.3	198
9	East Asian hydroclimate modulated by the position of the westerlies during Termination I. <i>Science</i> , 2018, 362, 580-583.	6.0	190
10	Satellite observations of modulation of surface winds by typhoon-induced upper ocean cooling. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	125
11	Southern Ocean wind response to North Atlantic cooling and the rise in atmospheric CO ₂ : Modeling perspective and paleoceanographic implications. <i>Paleoceanography</i> , 2011, 26, .	3.0	119
12	Enhanced tropical methane production in response to iceberg discharge in the North Atlantic. <i>Science</i> , 2015, 348, 1016-1019.	6.0	118
13	Sulfate Aerosol Control of Tropical Atlantic Climate over the Twentieth Century. <i>Journal of Climate</i> , 2011, 24, 2540-2555.	1.2	114
14	Role of seasonal transitions and the westerlies in the interannual variability of the East Asian summer monsoon precipitation. <i>Geophysical Research Letters</i> , 2017, 44, 3788-3795.	1.5	105
15	Relative Roles of Elevated Heating and Surface Temperature Gradients in Driving Anomalous Surface Winds over Tropical Oceans. <i>Journals of the Atmospheric Sciences</i> , 2001, 58, 1371-1394.	0.6	98
16	Mechanisms of Remote Tropical Surface Warming during El Niño. <i>Journal of Climate</i> , 2005, 18, 4130-4149.	1.2	93
17	Fast teleconnections to the tropical Atlantic sector from Atlantic thermohaline adjustment. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	91
18	Future loss of Arctic sea-ice cover could drive a substantial decrease in California’s rainfall. <i>Nature Communications</i> , 2017, 8, 1947.	5.8	81

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19	South Pacific Split Jet, ITCZ shifts, and atmospheric North-South linkages during abrupt climate changes of the last glacial period. <i>Earth and Planetary Science Letters</i> , 2014, 406, 233-246.	1.8	73
20	Seasonal Transitions and the Westerly Jet in the Holocene East Asian Summer Monsoon. <i>Journal of Climate</i> , 2017, 30, 3343-3365.	1.2	72
21	Global energy budget changes to high latitude North Atlantic cooling and the tropical ITCZ response. <i>Climate Dynamics</i> , 2013, 40, 1435-1452.	1.7	67
22	The Mechanical Impact of the Tibetan Plateau on the Seasonal Evolution of the South Asian Monsoon. <i>Journal of Climate</i> , 2012, 25, 2394-2407.	1.2	65
23	Temporal precipitation variability versus altitude on a tropical high mountain: Observations and mesoscale atmospheric modelling. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2009, 135, 1439-1455.	1.0	51
24	Remote Vegetation Feedbacks and the Mid-Holocene Green Sahara. <i>Journal of Climate</i> , 2014, 27, 4857-4870.	1.2	51
25	Enriched East Asian oxygen isotope of precipitation indicates reduced summer seasonality in regional climate and westerlies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 14745-14750.	3.3	50
26	Control of land-ocean temperature contrast by ocean heat uptake. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	48
27	Atmospheric teleconnection mechanisms of extratropical North Atlantic SST influence on Sahel rainfall. <i>Climate Dynamics</i> , 2014, 43, 2797-2811.	1.7	46
28	Rates of thermohaline recovery from freshwater pulses in modern, Last Glacial Maximum, and greenhouse warming climates. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	45
29	Trend and uncertainty in spatial-temporal patterns of hydrological droughts in the Amazon basin. <i>Geophysical Research Letters</i> , 2016, 43, 3307-3316.	1.5	42
30	Adjustment of the Remote Tropical Climate to El Niño Conditions. <i>Journal of Climate</i> , 2007, 20, 2544-2557.	1.2	41
31	Interaction of the Westerlies with the Tibetan Plateau in Determining the Mei-Yu Termination. <i>Journal of Climate</i> , 2020, 33, 339-363.	1.2	41
32	Origins of East Asian Summer Monsoon Seasonality. <i>Journal of Climate</i> , 2020, 33, 7945-7965.	1.2	38
33	A Later Onset of the Rainy Season in California. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL090350.	1.5	32
34	Interhemispheric thermal gradient and tropical Pacific climate. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	31
35	Global warming-induced Asian hydrological climate transition across the Miocene-Pliocene boundary. <i>Nature Communications</i> , 2021, 12, 6935.	5.8	31
36	A simple coupled model of tropical Atlantic decadal climate variability. <i>Geophysical Research Letters</i> , 2002, 29, 481-484.	1.5	26

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37	Prominent Midlatitude Circulation Signature in High Asia's Surface Climate During Monsoon. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 12,702.	1.2	26
38	Precession modulation of the South Pacific westerly wind belt over the past million years. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 23455-23460.	3.3	26
39	Tropical Pacific response to continental ice sheet topography. <i>Climate Dynamics</i> , 2015, 44, 2429-2446.	1.7	25
40	Intensification of the Pre-Meiyu Rainband in the Late 21st Century. <i>Geophysical Research Letters</i> , 2019, 46, 7536-7545.	1.5	23
41	Spatial variability and mechanisms underlying El Niño-induced droughts in Mexico. <i>Climate Dynamics</i> , 2014, 43, 3309-3326.	1.7	21
42	Southward Shift of Westerlies Intensifies the East Asian Early Summer Rainband Following El Niño. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088631.	1.5	19
43	Variation of mean sea surface temperature and modulation of El Niño's Southern Oscillation variance during the past 150 years. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	18
44	Climate response due to carbonaceous aerosols and aerosol-induced SST effects in NCAR community atmospheric model CAM3.5. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 7489-7510.	1.9	17
45	Permanent El Niño and the onset of Northern Hemisphere glaciations: Mechanism and comparison with other hypotheses. <i>Paleoceanography</i> , 2010, 25, .	3.0	16
46	The influence of obliquity in the early Holocene Asian summer monsoon. <i>Geophysical Research Letters</i> , 2016, 43, 4524-4530.	1.5	12
47	Contrasting Impacts of the South Pacific Split Jet and the Southern Annular Mode Modulation on Southern Ocean Circulation and Biogeochemistry. <i>Paleoceanography and Paleoclimatology</i> , 2018, 33, 2-20.	1.3	10
48	Relative Roles of Energy and Momentum Fluxes in the Tropical Response to Extratropical Thermal Forcing. <i>Journal of Climate</i> , 2021, 34, 3771-3786.	1.2	10
49	Forced and Unforced Decadal Behavior of the Interhemispheric SST Contrast during the Instrumental Period (1881-2012): Contextualizing the Late 1960s-Early 1970s Shift. <i>Journal of Climate</i> , 2020, 33, 3487-3509.	1.2	9
50	Atmospheric river lifecycle characteristics shaped by synoptic conditions at genesis. <i>International Journal of Climatology</i> , 0, , .	1.5	6
51	East Asian Rainbands and Associated Circulation over the Tibetan Plateau Region. <i>Journal of Climate</i> , 2022, , 1-47.	1.2	2
52	Sahel climate change: Workshop on Sahel climate change, Columbia University, New York, 19-21 March 2007. <i>Eos</i> , 2007, 88, 295-295.	0.1	1
53	Do the Tropics Rule? Assessing the State of Tropical Climate Science. <i>Bulletin of the American Meteorological Society</i> , 2015, 96, ES211-ES214.	1.7	1
54	Untangling the Relationship Between AMOC Variability and North Atlantic Upper Ocean Temperature and Salinity. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093496.	1.5	1

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55	Atmospheric river representation in the Energy Exascale Earth System Model (E3SM) version 1.0. Geoscientific Model Development, 2022, 15, 5461-5480.	1.3	1
56	The Interhemispheric Pattern and Long-Term Variations in the Tropical Climate over the 20th and 21st Centuries. World Scientific Series on Asia-Pacific Weather and Climate, 2015, , 255-271.	0.2	0