Pang-Chi Hsu

List of Publications by Year
in descending order

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66 papers	2,088 citations	279798 23 h-index	254184 43 g-index
68 all docs	68 docs citations	68 times ranked	1504 citing authors

#	Article	IF	Citations
1	Role of the Boundary Layer Moisture Asymmetry in Causing the Eastward Propagation of the Maddenâ€“Julian Oscillation*. Journal of Climate, 2012, 25, 4914-4931.	3.2	231
2	Detected climatic change in global distribution of tropical cyclones. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 10706-10714.	7.1	123
3	Influence of boreal summer intraseasonal oscillation on rainfall extremes in southern China. International Journal of Climatology, 2016, 36, 1403-1412.	3.5	120
4	Interactions between Boreal Summer Intraseasonal Oscillations and Synoptic-Scale Disturbances over the Western North Pacific. Part I: Energetics Diagnosis*. Journal of Climate, 2011, 24, 927-941.	3.2	117
5	Increase of global monsoon area and precipitation under global warming: A robust signal?. Geophysical Research Letters, 2012, 39, .	4.0	114
6	Influence of Tibetan Plateau snow cover on East Asian atmospheric circulation at medium-range time scales. Nature Communications, 2018, 9, 4243.	12.8	95
7	An Abrupt Decrease in the Late-Season Typhoon Activity over the Western North Pacific*. Journal of Climate, 2014, 27, 4296-4312.	3.2	89
8	Interactions between Boreal Summer Intraseasonal Oscillations and Synoptic-Scale Disturbances over the Western North Pacific. Part II: Apparent Heat and Moisture Sources and Eddy Momentum Transport*. Journal of Climate, 2011, 24, 942-961.	3.2	76
9	Influences of Boreal Summer Intraseasonal Oscillation on Heat Waves in Monsoon Asia. Journal of Climate, 2017, 30, 7191-7211.	3.2	76
10	Dominant effect of relative tropical Atlantic warming on major hurricane occurrence. Science, 2018, 362, 794-799.	12.6	70
11	Seasonal evolution of the intraseasonal variability of China summer precipitation. Climate Dynamics, 2020, 54, 4641-4655.	3.8	63
12	Trends in global monsoon area and precipitation over the past 30 years. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	60
13	Influence of Model Biases on Projected Future Changes in Tropical Cyclone Frequency of Occurrence*. Journal of Climate, 2014, 27, 2159-2181.	3.2	57
14	A spatialâ€“temporal projection model for 10â€“30 day rainfall forecast in South China. Climate Dynamics, 2015, 44, 1227-1244.	3.8	57
15	MJO Initiation Processes over the Tropical Indian Ocean during DYNAMO/CINDY2011*. Journal of Climate, 2015, 28, 2121-2135.	3.2	50
16	Moisture Asymmetry and MJO Eastward Propagation in an Aquaplanet General Circulation Model*. Journal of Climate, 2014, 27, 8747-8760.	3.2	40
17	Role of Abnormally Enhanced MJO over the Western Pacific in the Formation and Subseasonal Predictability of the Record-Breaking Northeast Asian Heatwave in the Summer of 2018. Journal of Climate, 2020, 33, 3333-3349.	3.2	38
18	Madden-Julian Oscillation: Its Discovery, Dynamics, and Impact on East Asia. Journal of Meteorological Research, 2020, 34, 20-42.	2.4	37

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19	A spatialâ€“temporal projection model for extended-range forecast in the tropics. Climate Dynamics, 2015, 45, 1085-1098.	3.8	35
20	Diagnosing Ocean Feedbacks to the BSISO: SSTâ€Modulated Surface Fluxes and the Moist Static Energy Budget. Journal of Geophysical Research D: Atmospheres, 2019, 124, 146-170.	3.3	28
21	The Role of Multiscale Interaction in Synoptic-Scale Eddy Kinetic Energy over the Western North Pacific in Autumn. Journal of Climate, 2014, 27, 3750-3766.	3.2	26
22	Role of scale interactions in the abrupt change of tropical cyclone in autumn over the Western North Pacific. Climate Dynamics, 2017, 49, 3175-3192.	3.8	25
23	Eddy Energy along the Tropical Storm Track in Association with ENSO. Journal of the Meteorological Society of Japan, 2009, 87, 687-704.	1.8	23
24	Contributing Factors to the Recent High Level of Accumulated Cyclone Energy (ACE) and Power Dissipation Index (PDI) in the North Atlantic*. Journal of Climate, 2014, 27, 3023-3034.	3.2	22
25	Effects of Subseasonal Variation in the East Asian Monsoon System on the Summertime Heat Wave in Western North America in 2021. Geophysical Research Letters, 2022, 49, .	4.0	22
26	Factors controlling the seasonality of the Madden-Julian Oscillation. Dynamics of Atmospheres and Oceans, 2017, 78, 106-120.	1.8	21
27	Simulated ENSO's impact on tropical cyclone genesis over the western North Pacific in CMIP5 models and its changes under global warming. International Journal of Climatology, 2019, 39, 3668-3678.	3.5	21
28	Exploratory analysis of extremely low tropical cyclone activity during the lateâ€season of 2010 and 1998 over the western <scp>N</scp>orth <scp>P</scp>acific and the <scp>S</scp>outh <scp>C</scp>hina <scp>S</scp>ea. Journal of Advances in Modeling Earth Systems, 2014, 6, 1141-1153.	3.8	20
29	Differences in the Initiation and Development of the Maddenâ€“Julian Oscillation over the Indian Ocean Associated with Two Types of El NiÃ±o. Journal of Climate, 2017, 30, 1397-1415.	3.2	20
30	Influence of the Maddenâ€“Julian oscillation on Tibetan Plateau snow cover at the intraseasonal time-scale. Scientific Reports, 2016, 6, 30456.	3.3	17
31	New real-time indices for the quasi-biweekly oscillation over the Asian summer monsoon region. Climate Dynamics, 2019, 53, 2603-2624.	3.8	17
32	Sources of Subseasonal Prediction Skill for Heatwaves over the Yangtze River Basin Revealed from Three S2S Models. Advances in Atmospheric Sciences, 2020, 37, 1435-1450.	4.3	17
33	On the Mechanisms of the Active 2018 Tropical Cyclone Season in the North Pacific. Geophysical Research Letters, 2019, 46, 12293-12302.	4.0	15
34	Assessments of surface latent heat flux associated with the Maddenâ€“Julian Oscillation in reanalyses. Climate Dynamics, 2016, 47, 1755-1774.	3.8	14
35	Extended-range forecast of spring rainfall in southern China based on the Maddenâ€“Julian Oscillation. Meteorology and Atmospheric Physics, 2016, 128, 331-345.	2.0	13
36	Interâ€annual variability of global monsoon precipitation in presentâ€day and future warming scenarios based on 33 Coupled Model Intercomparison Project Phase 5 models. International Journal of Climatology, 2018, 38, 4875-4890.	3.5	13

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37	Understanding the bias in surface latent and sensible heat fluxes in contemporary AGCMs over tropical oceans. Climate Dynamics, 2020, 55, 2957-2978.	3.8	13
38	Modulation of the Intraseasonal Variability of Pacific-Japan Pattern by ENSO. Journal of Meteorological Research, 2020, 34, 546-558.	2.4	12
39	Effects of Anthropogenic Forcing and Natural Variability on the 2018 Heatwave in Northeast Asia. Bulletin of the American Meteorological Society, 2020, 101, S77-S82.	3.3	12
40	Factors determining the subseasonal prediction skill of summer extreme rainfall over southern China. Climate Dynamics, 2023, 60, 443-460.	3.8	12
41	Contribution of atmospheric internal processes to the interannual variability of the South Asian summer monsoon. International Journal of Climatology, 2016, 36, 2917-2930.	3.5	11
42	Rapid response of the East Asian trough to Tibetan Plateau snow cover. International Journal of Climatology, 2021, 41, 251-261.	3.5	11
43	Future Changes in Tropical Cyclone Intensity and Frequency over the Western North Pacific Based on 20-km HiRAM and MRI Models. Journal of Climate, 2021, 34, 2235-2251.	3.2	11
44	Systematic bias of Tibetan Plateau snow cover in subseasonal-to-seasonal models. Cryosphere, 2020, 14, 3565-3579.	3.9	11
45	Future Changes in the Frequency and Destructiveness of Landfalling Tropical Cyclones Over East Asia Projected by Highâ€Resolution AGCMs. Earth's Future, 2021, 9, e2020EF001888.	6.3	10
46	Close linkage between quasiâ€biweekly oscillation and tropical cyclone intensification over the western North Pacific. Atmospheric Science Letters, 2018, 19, e826.	1.9	9
47	Intraseasonal variability of Tibetan Plateau snow cover. International Journal of Climatology, 2020, 40, 3451-3466.	3.5	9
48	East Antarctic cooling induced by decadal changes in Madden-Julian oscillation during austral summer. Science Advances, 2021, 7, .	10.3	9
49	Evolutions of Asian Summer Monsoon in the CMIP3 and CMIP5 Models. Scientific Online Letters on the Atmosphere, 2014, 10, 88-92.	1.4	8
50	Energetic processes regulating the strength of MJO circulation over the Maritime Continent during two types of El NiÃ±o. Atmospheric and Oceanic Science Letters, 2018, 11, 112-119.	1.3	8
51	A Hybrid Dynamicalâ€Statistical Model for Advancing Subseasonal Tropical Cyclone Prediction Over the Western North Pacific. Geophysical Research Letters, 2020, 47, e2020GL090095.	4.0	8
52	Effects of high-frequency activity on latent heat flux of MJO. Climate Dynamics, 2019, 52, 1471-1485.	3.8	7
53	Factors Regulating the Multidecadal Changes in MJO Amplitude over the Twentieth Century. Journal of Climate, 2020, 33, 9513-9529.	3.2	7
54	Near-equatorial tropical cyclone formation in western North Pacific: peak season and controlling parameter. Climate Dynamics, 2019, 52, 2765-2773.	3.8	6

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55	Origins of Intraseasonal Precipitation Variability over North China in the Rainy Season. Journal of Climate, 2022, 35, 6219-6236.	3.2	6
56	Long-term changes in wintertime persistent heavy rainfall over southern China contributed by the Maddenâ€“Julian Oscillation. Atmospheric and Oceanic Science Letters, 2019, 12, 361-368.	1.3	5
57	Evaluation of Surface Radiative Fluxes over the Tropical Oceans in AMIP Simulations. Atmosphere, 2019, 10, 606.	2.3	5
58	Distinctive MJO Activity during the Boreal Winter of the 2015/16 Super El NiÃ±o in Comparison with Other Super El NiÃ±o Events. Advances in Atmospheric Sciences, 2021, 38, 555-568.	4.3	4
59	Changes in surface energy partitioning in China over the past three decades. Advances in Atmospheric Sciences, 2017, 34, 635-649.	4.3	3
60	Accumulated Effect of Intra-Seasonal Oscillation Convections over the Tropical Western North Pacific on the Meridional Location of Western Pacific Subtropical High. Frontiers in Earth Science, 2020, 8, .	1.8	3
61	Boreal summer intraseasonal oscillation in a superparameterized general circulation model: effects of airâ€“sea coupling and ocean mean state. Geoscientific Model Development, 2020, 13, 5191-5209.	3.6	2
62	Mechanism of MJO-Modulated Triggering on the Rainy Season Onset over the Indian Subcontinent. Monthly Weather Review, 2022, 150, 1937-1951.	1.4	2
63	Multidecadal Changes in Zonal Displacement of Tropical Pacific MJO Variability Modulated by North Atlantic SST. Journal of Climate, 2022, 35, 5951-5966.	3.2	1
64	Distinct influential mechanisms of the warm pool Maddenâ€“Julian Oscillation on persistent extreme cold events in Northeast China. Atmospheric and Oceanic Science Letters, 2022, , 100226.	1.3	1
65	Effects of high-frequency surface wind on the intraseasonal SST associated with the Madden-Julian oscillation. Climate Dynamics, 2020, 54, 4485-4498.	3.8	0
66	Systematic improvement in simulated latent and sensible heat fluxes over tropical oceans in AMIP6 models compared to AMIP5 models with the same resolutions. Atmospheric Research, 2022, 274, 106214.	4.1	0