

Pang-Chi Hsu

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

2,088
citations

279798

23
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254184

43
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68
all docs

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docs citations

68
times ranked

1504
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Factors determining the subseasonal prediction skill of summer extreme rainfall over southern China. <i>Climate Dynamics</i> , 2023, 60, 443-460. | 3.8 | 12 |
| 2 | Effects of Subseasonal Variation in the East Asian Monsoon System on the Summertime Heat Wave in Western North America in 2021. <i>Geophysical Research Letters</i> , 2022, 49, . | 4.0 | 22 |
| 3 | Systematic improvement in simulated latent and sensible heat fluxes over tropical oceans in AMIP6 models compared to AMIP5 models with the same resolutions. <i>Atmospheric Research</i> , 2022, 274, 106214. | 4.1 | 0 |
| 4 | Mechanism of MJO-Modulated Triggering on the Rainy Season Onset over the Indian Subcontinent. <i>Monthly Weather Review</i> , 2022, 150, 1937-1951. | 1.4 | 2 |
| 5 | Multidecadal Changes in Zonal Displacement of Tropical Pacific MJO Variability Modulated by North Atlantic SST. <i>Journal of Climate</i> , 2022, 35, 5951-5966. | 3.2 | 1 |
| 6 | Distinct influential mechanisms of the warm pool Madden-Julian Oscillation on persistent extreme cold events in Northeast China. <i>Atmospheric and Oceanic Science Letters</i> , 2022, , 100226. | 1.3 | 1 |
| 7 | Origins of Intraseasonal Precipitation Variability over North China in the Rainy Season. <i>Journal of Climate</i> , 2022, 35, 6219-6236. | 3.2 | 6 |
| 8 | Rapid response of the East Asian trough to Tibetan Plateau snow cover. <i>International Journal of Climatology</i> , 2021, 41, 251-261. | 3.5 | 11 |
| 9 | Distinctive MJO Activity during the Boreal Winter of the 2015/16 Super El Niño in Comparison with Other Super El Niño Events. <i>Advances in Atmospheric Sciences</i> , 2021, 38, 555-568. | 4.3 | 4 |
| 10 | Future Changes in Tropical Cyclone Intensity and Frequency over the Western North Pacific Based on 20-km HiRAM and MRI Models. <i>Journal of Climate</i> , 2021, 34, 2235-2251. | 3.2 | 11 |
| 11 | Future Changes in the Frequency and Destructiveness of Landfalling Tropical Cyclones Over East Asia Projected by High-Resolution AGCMs. <i>Earth's Future</i> , 2021, 9, e2020EF001888. | 6.3 | 10 |
| 12 | East Antarctic cooling induced by decadal changes in Madden-Julian oscillation during austral summer. <i>Science Advances</i> , 2021, 7, . | 10.3 | 9 |
| 13 | Intraseasonal variability of Tibetan Plateau snow cover. <i>International Journal of Climatology</i> , 2020, 40, 3451-3466. | 3.5 | 9 |
| 14 | A Hybrid Dynamical-Statistical Model for Advancing Subseasonal Tropical Cyclone Prediction Over the Western North Pacific. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090095. | 4.0 | 8 |
| 15 | Modulation of the Intraseasonal Variability of Pacific-Japan Pattern by ENSO. <i>Journal of Meteorological Research</i> , 2020, 34, 546-558. | 2.4 | 12 |
| 16 | Sources of Subseasonal Prediction Skill for Heatwaves over the Yangtze River Basin Revealed from Three S2S Models. <i>Advances in Atmospheric Sciences</i> , 2020, 37, 1435-1450. | 4.3 | 17 |
| 17 | Understanding the bias in surface latent and sensible heat fluxes in contemporary AGCMs over tropical oceans. <i>Climate Dynamics</i> , 2020, 55, 2957-2978. | 3.8 | 13 |
| 18 | Accumulated Effect of Intra-Seasonal Oscillation Convections over the Tropical Western North Pacific on the Meridional Location of Western Pacific Subtropical High. <i>Frontiers in Earth Science</i> , 2020, 8, . | 1.8 | 3 |

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|----|--|-----|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | Madden-Julian Oscillation: Its Discovery, Dynamics, and Impact on East Asia. Journal of Meteorological Research, 2020, 34, 20-42. | 2.4 | 37 |
| 22 | 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 |
| 23 | Seasonal evolution of the intraseasonal variability of China summer precipitation. Climate Dynamics, 2020, 54, 4641-4655. | 3.8 | 63 |
| 24 | 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 |
| 25 | Systematic bias of Tibetan Plateau snow cover in subseasonal-to-seasonal models. Cryosphere, 2020, 14, 3565-3579. | 3.9 | 11 |
| 26 | Factors Regulating the Multidecadal Changes in MJO Amplitude over the Twentieth Century. Journal of Climate, 2020, 33, 9513-9529. | 3.2 | 7 |
| 27 | Boreal summer intraseasonal oscillation in a superparameterized general circulation model: effects of air-sea coupling and ocean mean state. Geoscientific Model Development, 2020, 13, 5191-5209. | 3.6 | 2 |
| 28 | Diagnosing Ocean Feedbacks to the BSISO: SST-Modulated Surface Fluxes and the Moist Static Energy Budget. Journal of Geophysical Research D: Atmospheres, 2019, 124, 146-170. | 3.3 | 28 |
| 29 | Near-equatorial tropical cyclone formation in western North Pacific: peak season and controlling parameter. Climate Dynamics, 2019, 52, 2765-2773. | 3.8 | 6 |
| 30 | Effects of high-frequency activity on latent heat flux of MJO. Climate Dynamics, 2019, 52, 1471-1485. | 3.8 | 7 |
| 31 | Long-term changes in wintertime persistent heavy rainfall over southern China contributed by the Madden-Julian Oscillation. Atmospheric and Oceanic Science Letters, 2019, 12, 361-368. | 1.3 | 5 |
| 32 | On the Mechanisms of the Active 2018 Tropical Cyclone Season in the North Pacific. Geophysical Research Letters, 2019, 46, 12293-12302. | 4.0 | 15 |
| 33 | Evaluation of Surface Radiative Fluxes over the Tropical Oceans in AMIP Simulations. Atmosphere, 2019, 10, 606. | 2.3 | 5 |
| 34 | New real-time indices for the quasi-biweekly oscillation over the Asian summer monsoon region. Climate Dynamics, 2019, 53, 2603-2624. | 3.8 | 17 |
| 35 | 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 |
| 36 | Energetic processes regulating the strength of MJO circulation over the Maritime Continent during two types of El Niño. Atmospheric and Oceanic Science Letters, 2018, 11, 112-119. | 1.3 | 8 |

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|----|--|------|-----------|
| 37 | Interannual variability of global monsoon precipitation in present-day and future warming scenarios based on 33 Coupled Model Intercomparison Project Phase 5 models. <i>International Journal of Climatology</i> , 2018, 38, 4875-4890. | 3.5 | 13 |
| 38 | Dominant effect of relative tropical Atlantic warming on major hurricane occurrence. <i>Science</i> , 2018, 362, 794-799. | 12.6 | 70 |
| 39 | Close linkage between quasi-biweekly oscillation and tropical cyclone intensification over the western North Pacific. <i>Atmospheric Science Letters</i> , 2018, 19, e826. | 1.9 | 9 |
| 40 | Influence of Tibetan Plateau snow cover on East Asian atmospheric circulation at medium-range time scales. <i>Nature Communications</i> , 2018, 9, 4243. | 12.8 | 95 |
| 41 | Role of scale interactions in the abrupt change of tropical cyclone in autumn over the Western North Pacific. <i>Climate Dynamics</i> , 2017, 49, 3175-3192. | 3.8 | 25 |
| 42 | Factors controlling the seasonality of the Madden-Julian Oscillation. <i>Dynamics of Atmospheres and Oceans</i> , 2017, 78, 106-120. | 1.8 | 21 |
| 43 | Changes in surface energy partitioning in China over the past three decades. <i>Advances in Atmospheric Sciences</i> , 2017, 34, 635-649. | 4.3 | 3 |
| 44 | Influences of Boreal Summer Intraseasonal Oscillation on Heat Waves in Monsoon Asia. <i>Journal of Climate</i> , 2017, 30, 7191-7211. | 3.2 | 76 |
| 45 | Differences in the Initiation and Development of the Madden-Julian Oscillation over the Indian Ocean Associated with Two Types of El Niño. <i>Journal of Climate</i> , 2017, 30, 1397-1415. | 3.2 | 20 |
| 46 | Influence of boreal summer intraseasonal oscillation on rainfall extremes in southern China. <i>International Journal of Climatology</i> , 2016, 36, 1403-1412. | 3.5 | 120 |
| 47 | Contribution of atmospheric internal processes to the interannual variability of the South Asian summer monsoon. <i>International Journal of Climatology</i> , 2016, 36, 2917-2930. | 3.5 | 11 |
| 48 | Assessments of surface latent heat flux associated with the Madden-Julian Oscillation in reanalyses. <i>Climate Dynamics</i> , 2016, 47, 1755-1774. | 3.8 | 14 |
| 49 | Influence of the Madden-Julian oscillation on Tibetan Plateau snow cover at the intraseasonal time-scale. <i>Scientific Reports</i> , 2016, 6, 30456. | 3.3 | 17 |
| 50 | Extended-range forecast of spring rainfall in southern China based on the Madden-Julian Oscillation. <i>Meteorology and Atmospheric Physics</i> , 2016, 128, 331-345. | 2.0 | 13 |
| 51 | A spatial-temporal projection model for extended-range forecast in the tropics. <i>Climate Dynamics</i> , 2015, 45, 1085-1098. | 3.8 | 35 |
| 52 | A spatial-temporal projection model for 10-30 day rainfall forecast in South China. <i>Climate Dynamics</i> , 2015, 44, 1227-1244. | 3.8 | 57 |
| 53 | MJO Initiation Processes over the Tropical Indian Ocean during DYNAMO/CINDY2011*. <i>Journal of Climate</i> , 2015, 28, 2121-2135. | 3.2 | 50 |
| 54 | Evolutions of Asian Summer Monsoon in the CMIP3 and CMIP5 Models. <i>Scientific Online Letters on the Atmosphere</i> , 2014, 10, 88-92. | 1.4 | 8 |

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|----|--|-----|-----------|
| 55 | 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 |
| 56 | Influence of Model Biases on Projected Future Changes in Tropical Cyclone Frequency of Occurrence*. Journal of Climate, 2014, 27, 2159-2181. | 3.2 | 57 |
| 57 | 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 |
| 58 | An Abrupt Decrease in the Late-Season Typhoon Activity over the Western North Pacific*. Journal of Climate, 2014, 27, 4296-4312. | 3.2 | 89 |
| 59 | Moisture Asymmetry and MJO Eastward Propagation in an Aquaplanet General Circulation Model*. Journal of Climate, 2014, 27, 8747-8760. | 3.2 | 40 |
| 60 | Exploratory analysis of extremely low tropical cyclone activity during the late season of 2010 and 1998 over the western North Pacific and the South China Sea. Journal of Advances in Modeling Earth Systems, 2014, 6, 1141-1153. | 3.8 | 20 |
| 61 | Role of the Boundary Layer Moisture Asymmetry in Causing the Eastward Propagation of the Madden-Julian Oscillation*. Journal of Climate, 2012, 25, 4914-4931. | 3.2 | 231 |
| 62 | Increase of global monsoon area and precipitation under global warming: A robust signal?. Geophysical Research Letters, 2012, 39, . | 4.0 | 114 |
| 63 | Trends in global monsoon area and precipitation over the past 30 years. Geophysical Research Letters, 2011, 38, n/a-n/a. | 4.0 | 60 |
| 64 | 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 |
| 65 | 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 |
| 66 | 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 |