

Jiangyu Mao

List of Publications by Year in descending order

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52
papers

1,772
citations

361413

20
h-index

289244

40
g-index

52
all docs

52
docs citations

52
times ranked

1409
citing authors

#	ARTICLE	IF	CITATIONS
1	Tibetan Plateau climate dynamics: recent research progress and outlook. <i>National Science Review</i> , 2015, 2, 100-116.	9.5	342
2	Intraseasonal Variability of the South China Sea Summer Monsoon. <i>Journal of Climate</i> , 2005, 18, 2388-2402.	3.2	182
3	20-50-day oscillation of summer Yangtze rainfall in response to intraseasonal variations in the subtropical high over the western North Pacific and South China Sea. <i>Climate Dynamics</i> , 2010, 34, 747-761.	3.8	145
4	Genesis of the South Asian High and Its Impact on the Asian Summer Monsoon Onset. <i>Journal of Climate</i> , 2013, 26, 2976-2991.	3.2	100
5	Intraseasonal variations of the Yangtze rainfall and its related atmospheric circulation features during the 1991 summer. <i>Climate Dynamics</i> , 2006, 27, 815-830.	3.8	94
6	Interdecadal modulation of ENSO-related spring rainfall over South China by the Pacific Decadal Oscillation. <i>Climate Dynamics</i> , 2016, 47, 3203-3220.	3.8	75
7	Air-sea interaction and formation of the Asian summer monsoon onset vortex over the Bay of Bengal. <i>Climate Dynamics</i> , 2012, 38, 261-279.	3.8	64
8	Relationship between the Onset of the South China Sea Summer Monsoon and the Structure of the Asian Subtropical Anticyclone. <i>Journal of the Meteorological Society of Japan</i> , 2004, 82, 845-859.	1.8	57
9	Interannual variations of early summer monsoon rainfall over South China under different PDO backgrounds. <i>International Journal of Climatology</i> , 2011, 31, 847-862.	3.5	49
10	A case study of the impact of boreal summer intraseasonal oscillations on Yangtze rainfall. <i>Climate Dynamics</i> , 2015, 44, 2683-2702.	3.8	47
11	Modulation of PDO on the predictability of the interannual variability of early summer rainfall over south China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 13,008.	3.3	43
12	Diurnal variations of summer precipitation over the Asian monsoon region as revealed by TRMM satellite data. <i>Science China Earth Sciences</i> , 2012, 55, 554-566.	5.2	41
13	Characteristics and Mechanism of the 10-20-Day Oscillation of Spring Rainfall over Southern China. <i>Journal of Climate</i> , 2013, 26, 5072-5087.	3.2	40
14	Vortex genesis over the Bay of Bengal in spring and its role in the onset of the Asian Summer Monsoon. <i>Science China Earth Sciences</i> , 2011, 54, 1-9.	5.2	33
15	Intraseasonal modulation of tropical cyclogenesis in the western North Pacific: a case study. <i>Theoretical and Applied Climatology</i> , 2010, 100, 397-411.	2.8	29
16	Influences of Typhoon Chanchu on the 2006 South China Sea summer monsoon onset. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	25
17	Circulation anomalies in the mid-high latitudes responsible for the extremely hot summer of 2018 over northeast Asia. <i>Atmospheric and Oceanic Science Letters</i> , 2019, 12, 231-237.	1.3	25
18	Large-Scale Circulation Anomalies Associated with Extreme Heat in South Korea and Southern-Central Japan. <i>Journal of Climate</i> , 2019, 32, 2747-2759.	3.2	25

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19	Interdecadal variability of early summer monsoon rainfall over South China in association with the Pacific Decadal Oscillation. <i>International Journal of Climatology</i> , 2017, 37, 706-721.	3.5	23
20	Cloud-radiation-precipitation associations over the Asian monsoon region: an observational analysis. <i>Climate Dynamics</i> , 2017, 49, 3237-3255.	3.8	22
21	Coordinated influences of the tropical and extratropical intraseasonal oscillations on the 10-30-day variability of the summer rainfall over southeastern China. <i>Climate Dynamics</i> , 2019, 53, 137-153.	3.8	21
22	Changes in the boreal summer intraseasonal oscillation projected by the CNRM-CM5 model under the RCP 8.5 scenario. <i>Climate Dynamics</i> , 2016, 47, 3713-3736.	3.8	19
23	Persistent Spring Shortwave Cloud Radiative Effect and the Associated Circulations over Southeastern China. <i>Journal of Climate</i> , 2019, 32, 3069-3087.	3.2	19
24	Spatial and interannual variations of spring rainfall over eastern China in association with PDO-ENSO events. <i>Theoretical and Applied Climatology</i> , 2018, 134, 935-953.	2.8	17
25	The impact of interactions between tropical and midlatitude intraseasonal oscillations around the Tibetan Plateau on the 1998 Yangtze floods. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2018, 144, 1123-1139.	2.7	17
26	Barotropic process contributing to the formation and growth of tropical cyclone Nargis. <i>Advances in Atmospheric Sciences</i> , 2011, 28, 483-491.	4.3	16
27	Comparative study of five current reanalyses in characterizing total cloud fraction and top-of-atmosphere cloud radiative effects over the Asian monsoon region. <i>International Journal of Climatology</i> , 2017, 37, 5047-5067.	3.5	15
28	Factors controlling the interannual variation of 30-60-day boreal summer intraseasonal oscillation over the Asian summer monsoon region. <i>Climate Dynamics</i> , 2019, 52, 1651-1672.	3.8	15
29	Abnormal warm sea-surface temperature in the Indian Ocean, active potential vorticity over the Tibetan Plateau, and severe flooding along the Yangtze River in summer 2020. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2022, 148, 1001-1019.	2.7	15
30	Decadal Changes in Interannual Dependence of the Bay of Bengal Summer Monsoon Onset on ENSO Modulated by the Pacific Decadal Oscillation. <i>Advances in Atmospheric Sciences</i> , 2019, 36, 1404-1416.	4.3	13
31	South Atlantic Forced Multidecadal Teleconnection to the Midlatitude South Indian Ocean. <i>Geophysical Research Letters</i> , 2018, 45, 8480-8489.	4.0	12
32	Impact of potential vorticity anomalies around the eastern Tibetan Plateau on quasi-biweekly oscillations of summer rainfall within and south of the Yangtze Basin in 2016. <i>Climate Dynamics</i> , 2021, 56, 813-835.	3.8	12
33	ADAPTATION OF THE ATMOSPHERIC CIRCULATION TO THERMAL FORCING OVER THE TIBETAN PLATEAU. <i>World Scientific Series on Asia-Pacific Weather and Climate</i> , 2004, , 92-114.	0.2	12
34	The 30-60-day Intraseasonal Variability of Sea Surface Temperature in the South China Sea during May-September. <i>Advances in Atmospheric Sciences</i> , 2018, 35, 550-566.	4.3	11
35	Decadal-scale teleconnection between South Atlantic SST and southeast Australia surface air temperature in austral summer. <i>Climate Dynamics</i> , 2018, 50, 2687-2703.	3.8	11
36	Synergistic Effect of the 25-60-day Tropical and Midlatitude Intraseasonal Oscillations on the Persistently Severe Yangtze Floods. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095129.	4.0	10

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37	PV Perspective of Impacts on Downstream Extreme Rainfall Event of a Tibetan Plateau Vortex Collaborating with a Southwest China Vortex. <i>Advances in Atmospheric Sciences</i> , 2021, 38, 1835-1851.	4.3	9
38	A comparative study on the dominant factors responsible for the weaker-than-expected El Niño event in 2014. <i>Advances in Atmospheric Sciences</i> , 2015, 32, 1381-1390.	4.3	8
39	A timescale decomposed threshold regression downscaling approach to forecasting South China early summer rainfall. <i>Advances in Atmospheric Sciences</i> , 2016, 33, 1071-1084.	4.3	8
40	Divergent Responses of Extratropical Atmospheric Circulation to Interhemispheric Dipolar SST Forcing over the Two Hemispheres in Boreal Winter. <i>Journal of Climate</i> , 2018, 31, 7599-7619.	3.2	8
41	Climatological intraseasonal oscillation in the middle-upper troposphere and its effect on the northward migration of the East Asian westerly jet and rain belt over eastern China. <i>International Journal of Climatology</i> , 2021, 41, 5084-5099.	3.5	7
42	Potential vorticity perspective of the genesis of a Tibetan Plateau vortex in June 2016. <i>Climate Dynamics</i> , 2022, 58, 3351-3367.	3.8	7
43	Relative contributions to ENSO of the seasonal footprinting and trade wind charging mechanisms associated with the Victoria mode. <i>Climate Dynamics</i> , 2023, 60, 47-63.	3.8	7
44	Mechanistic analysis of the suppressed convective anomaly precursor associated with the initiation of primary MJO events over the tropical Indian Ocean. <i>Climate Dynamics</i> , 2016, 46, 779-795.	3.8	5
45	Intraseasonal responses of sea surface and deep oceanic temperature anomalies in the northern Indian Ocean-western Pacific to the 30-60-day boreal summer atmospheric intraseasonal oscillation. <i>Climate Dynamics</i> , 2019, 53, 4539-4552.	3.8	5
46	The wavenumber-frequency characteristics of the tropical waves in an aqua-planet GCM. <i>Advances in Atmospheric Sciences</i> , 2008, 25, 541-554.	4.3	4
47	Multidecadal variation of northern hemisphere summer monsoon forced by the SST inter-hemispheric dipole. <i>Environmental Research Letters</i> , 2022, 17, 044033.	5.2	4
48	Synoptic-scale potential vorticity intrusion over northeastern China during winter and its influence on surface air temperature. <i>Atmospheric and Oceanic Science Letters</i> , 2019, 12, 286-293.	1.3	1
49	Interannual variations in spring lightning activity and convective rainfall over South China during the TRMM era. <i>Theoretical and Applied Climatology</i> , 2020, 142, 483-495.	2.8	1
50	The influence of atmospheric intraseasonal oscillations on terrestrial biospheric CO2 fluxes in Southeast China Forest. <i>Climate Dynamics</i> , 2021, 57, 195-208.	3.8	1
51	THERMAL-DYNAMICAL EFFECTS OF THE TIBETAN PLATEAU ON THE EAST ASIAN MONSOON. <i>Monsoon Asia Integrated Regional Study on Global Change</i> , 2008, , 9-22.	0.0	1
52	Potential vorticity analysis of quasi-biweekly rainfall events over the Yangtze Basin in summer 2014. <i>Atmospheric and Oceanic Science Letters</i> , 2021, 14, 100078.	1.3	0