Congwen Zhu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4149917/publications.pdf

Version: 2024-02-01

48 papers	1,434 citations	361413 20 h-index	345221 36 g-index
49 all docs	49 docs citations	49 times ranked	1180 citing authors

#	Article	IF	Citations
1	Recordâ€Breaking Meiyu Rainfall Around the Yangtze River in 2020 Regulated by the Subseasonal Phase Transition of the North Atlantic Oscillation. Geophysical Research Letters, 2020, 47, e2020GL090342.	4.0	145
2	Recent weakening of northern East Asian summer monsoon: A possible response to global warming. Geophysical Research Letters, 2012, 39, .	4.0	116
3	The 30-60 day intraseasonal oscillation over the western North Pacific Ocean and its impacts on summer flooding in China during 1998. Geophysical Research Letters, 2003, 30, .	4.0	103
4	Why do dust storms decrease in northern China concurrently with the recent global warming?. Geophysical Research Letters, 2008, 35, .	4.0	87
5	Extreme Cold Wave over East Asia in January 2016: A Possible Response to the Larger Internal Atmospheric Variability Induced by Arctic Warming. Journal of Climate, 2019, 32, 1203-1216.	3.2	73
6	A proper monsoon index for seasonal and interannual variations of the East Asian monsoon. Geophysical Research Letters, 2005, 32, .	4.0	61
7	The cooperative impacts of the El NiÃ±o-Southern Oscillation and the Indian Ocean Dipole on the interannual variability of autumn rainfall in China. International Journal of Climatology, 2016, 36, 1987-1999.	3.5	52
8	CMIP5 Projections of Two Types of El NiÃ±o and Their Related Tropical Precipitation in the Twenty-First Century. Journal of Climate, 2017, 30, 849-864.	3.2	51
9	Polarized Response of East Asian Winter Temperature Extremes in the Era of Arctic Warming. Journal of Climate, 2018, 31, 5543-5557.	3.2	49
10	Statistical downscaling for multi-model ensemble prediction of summer monsoon rainfall in the Asia-Pacific region using geopotential height field. Advances in Atmospheric Sciences, 2008, 25, 867-884.	4.3	43
11	Roles of tropical SST patterns during two types of ENSO in modulating wintertime rainfall over southern China. Climate Dynamics, 2019, 52, 523-538.	3.8	42
12	Onset of East Asian subtropical summer monsoon and rainy season in China. Science China Earth Sciences, 2011, 54, 1845-1853.	5.2	39
13	Two types of El NiÃ±o-related Southern Oscillation and their different impacts on global land precipitation. Advances in Atmospheric Sciences, 2013, 30, 1743-1757.	4.3	35
14	Combined Impacts of Warm Central Equatorial Pacific Sea Surface Temperatures and Anthropogenic Warming on the 2019 Severe Drought in East China. Advances in Atmospheric Sciences, 2020, 37, 1149-1163.	4.3	35
15	Diversity of Marine Heatwaves in the South China Sea Regulated by ENSO Phase. Journal of Climate, 2022, 35, 877-893.	3.2	35
16	Two Types of Interannual Variability of South China Sea Summer Monsoon Onset Related to the SST Anomalies before and after 1993/94. Journal of Climate, 2016, 29, 6957-6971.	3.2	34
17	Record-Breaking Northward Shift of the Western North Pacific Subtropical High in July 2018. Journal of the Meteorological Society of Japan, 2019, 97, 913-925.	1.8	34
18	A possible precursor of the South China Sea summer monsoon onset: Effect of the South Asian High. Geophysical Research Letters, 2016, 43, 11,072.	4.0	32

#	Article	IF	Citations
19	Extremely Late Onset of the 2018 South China Sea Summer Monsoon Following a La NiÃ±a Event: Effects of Triple SST Anomaly Mode in the North Atlantic and a Weaker Mongolian Cyclone. Geophysical Research Letters, 2019, 46, 2956-2963.	4.0	29
20	Linkage between the dominant modes in Pacific subsurface ocean temperature and the two type ENSO events. Science Bulletin, 2012, 57, 3491-3496.	1.7	26
21	Coupling Modes of Climatological Intraseasonal Oscillation in the East Asian Summer Monsoon. Journal of Climate, 2016, 29, 6363-6382.	3.2	21
22	Thermocline Fluctuations in the Equatorial Pacific Related to the Two Types of El NiÃ±o Events. Journal of Climate, 2017, 30, 6611-6627.	3.2	20
23	Boosting Effect of Tropical Cyclone â€œFaniâ€•on the Onset of the South China Sea Summer Monsoon in 2019. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031891.	3.3	20
24	Diverse impacts of the Siberian high on surface air temperature in Northeast China during boreal winter. International Journal of Climatology, 2020, 40, 594-603.	3.5	19
25	Seasonal Forecast of South China Sea Summer Monsoon Onset Disturbed by Cold Tongue La NiÃ±a in the Past Decade. Advances in Atmospheric Sciences, 2021, 38, 147-155.	4.3	19
26	Two interannual dominant modes of the South Asian High in May and their linkage to the tropical SST anomalies. Climate Dynamics, 2017, 49, 2705-2720.	3.8	18
27	Why was the western Pacific subtropical anticyclone weaker in late summer after the 2015/2016 super El NiÃ±o?. International Journal of Climatology, 2018, 38, 55-65.	3.5	17
28	The natural oscillation of two types of ENSO events based on analyses of CMIP5 model control runs. Advances in Atmospheric Sciences, 2014, 31, 801-813.	4.3	15
29	Asymmetric Changes of ENSO Diversity Modulated by the Cold Tongue Mode Under Recent Global Warming. Geophysical Research Letters, 2018, 45, 12,506-12,513.	4.0	15
30	Weakening of the El NiÃ±o amplitude since the late 1990s and its link to decadal change in the North Pacific climate. International Journal of Climatology, 2019, 39, 4125-4138.	3.5	14
31	Tropical Pacific cold tongue mode triggered by enhanced warm pool convection due to global warming. Environmental Research Letters, 2020, 15, 054015.	5.2	14
32	Modeling impacts of East Asian Ocean-Land thermal contrast on spring southwesterly winds and rainfall in eastern China. Science Bulletin, 2009, 54, 4733-4741.	9.0	13
33	Opposing Trends of Winter Cold Extremes over Eastern Eurasia and North America under Recent Arctic Warming. Advances in Atmospheric Sciences, 2020, 37, 1417-1434.	4.3	13
34	Subseasonal forecast barrier of the North Atlantic oscillation in S2S models during the extreme mei-yu rainfall event in 2020. Climate Dynamics, 2022, 58, 2913-2925.	3.8	12
35	The Alternating Change of Cold and Warm Extremes Over North Asia During Winter 2020/21: Effect of the Annual Cycle Anomaly. Geophysical Research Letters, 2022, 49, .	4.0	12
36	Atmospheric circulation regime causing winter temperature whiplash events in North China. International Journal of Climatology, 2021, 41, 917-933.	3.5	11

#	Article	IF	Citations
37	Regulation of the subseasonal variability of winter rainfall in South China by the diversity of El NiÃ±o Southern Oscillation. Climate Dynamics, 2021, 56, 1919-1936.	3.8	10
38	Subseasonal Predictability of South China Sea Summer Monsoon Onset With the ECMWF S2S Forecasting System. Geophysical Research Letters, 2021, 48, e2021GL095943.	4.0	10
39	Subseasonal variation of winter rainfall anomalies over South China during the mature phase of super El NiÃ±o events. Atmospheric and Oceanic Science Letters, 2018, 11, 396-403.	1.3	9
40	Possible causes of the flooding over south China during the 2015/2016 winter. International Journal of Climatology, 2019, 39, 3218-3230.	3.5	8
41	Subseasonal mode of cold and wet climate in South China during the cold season: a climatological view. Atmospheric and Oceanic Science Letters, 2019, 12, 73-79.	1.3	7
42	Variations in the annual cycle of the East Asian monsoon and its phase-induced interseasonal rainfall anomalies in China. Atmospheric and Oceanic Science Letters, 2020, 13, 316-322.	1.3	5
43	The Cooling Over Northeast Asia in June Over the Most Recent Decade: A Possible Response to Declining Bering Sea Sea Ice in March. Geophysical Research Letters, 2022, 49, .	4.0	5
44	Combined impacts of sea surface temperature in tropical Pacific and North Atlantic Oceans on the winter rainfall in southern China under decadal background. International Journal of Climatology, 2021, 41, 5201-5212.	3.5	4
45	Statistical downscaling of pattern projection using multi-model output variables as predictors. Journal of Meteorological Research, 2011, 25, 293-302.	1.0	1
46	The Interannual Dominant Covariation Mode of Boreal Summer Monsoon Rainfall during 1979â€“2014. Journal of Climate, 2018, 31, 4193-4213.	3.2	1
47	Asymmetry in the dominant co-variation mode of boreal summer monsoon rainfall regulated by the ENSO evolution. Climate Dynamics, 2019, 53, 6379-6396.	3.8	0
48	Diversity of the Coupling Wheels in the East Asian Summer Monsoon on the Interannual Time Scale: Challenge of Summer Rainfall Forecasting in China. Advances in Atmospheric Sciences, 2021, 38, 546-554.	4.3	0