

Wenjun Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

2,291
citations

236925

25
h-index

223800

46
g-index

62
all docs

62
docs citations

62
times ranked

2250
citing authors

#	ARTICLE	IF	CITATIONS
1	Polar amplification dominated by local forcing and feedbacks. <i>Nature Climate Change</i> , 2018, 8, 1076-1081.	18.8	216
2	Revisiting ENSO/Indian Ocean Dipole phase relationships. <i>Geophysical Research Letters</i> , 2017, 44, 2481-2492.	4.0	168
3	Increasing autumn drought over southern China associated with ENSO regime shift. <i>Geophysical Research Letters</i> , 2014, 41, 4020-4026.	4.0	164
4	The Possible Influence of a Nonconventional El Niño on the Severe Autumn Drought of 2009 in Southwest China. <i>Journal of Climate</i> , 2013, 26, 8392-8405.	3.2	158
5	Impacts of two types of La Niña on the NAO during boreal winter. <i>Climate Dynamics</i> , 2015, 44, 1351-1366.	3.8	131
6	Unraveling El Niño's impact on the East Asian Monsoon and Yangtze River summer flooding. <i>Geophysical Research Letters</i> , 2016, 43, 11,375.	4.0	125
7	Contrasting Impacts of Two-Type El Niño over the Western North Pacific during Boreal Autumn. <i>Journal of the Meteorological Society of Japan</i> , 2011, 89, 563-569.	1.8	124
8	Impact of different El Niño types on the El Niño/IOD relationship. <i>Geophysical Research Letters</i> , 2015, 42, 8570-8576.	4.0	110
9	A New Understanding of El Niño's Impact over East Asia: Dominance of the ENSO Combination Mode. <i>Journal of Climate</i> , 2016, 29, 4347-4359.	3.2	67
10	Impact of ENSO longitudinal position on teleconnections to the NAO. <i>Climate Dynamics</i> , 2019, 52, 257-274.	3.8	65
11	Sea surface temperature cooling mode in the Pacific cold tongue. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	59
12	Strong sub-seasonal wintertime cooling over East Asia and Northern Europe associated with super El Niño events. <i>Scientific Reports</i> , 2017, 7, 3770.	3.3	54
13	Decadal modulation of the ENSO-East Asian winter monsoon relationship by the Atlantic Multidecadal Oscillation. <i>Climate Dynamics</i> , 2017, 49, 2531-2544.	3.8	51
14	A Nonstationary ENSO-NAO Relationship Due to AMO Modulation. <i>Journal of Climate</i> , 2019, 32, 33-43.	3.2	51
15	Differences in Teleconnection over the North Pacific and Rainfall Shift over the USA Associated with Two Types of El Niño during Boreal Autumn. <i>Journal of the Meteorological Society of Japan</i> , 2012, 90, 535-552.	1.8	46
16	On the Bias in Simulated ENSO SSTA Meridional Widths of CMIP3 Models. <i>Journal of Climate</i> , 2013, 26, 3173-3186.	3.2	45
17	The Annual-Cycle Modulation of Meridional Asymmetry in ENSO's Atmospheric Response and Its Dependence on ENSO Zonal Structure. <i>Journal of Climate</i> , 2015, 28, 5795-5812.	3.2	44
18	Spatial and temporal features of ENSO meridional scales. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	40

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19	Improvements in the CMIP5 simulations of ENSO's STA meridional width. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	38
20	Exceptionally Persistent Madden-Julian Oscillation Activity Contributes to the Extreme 2020 East Asian Summer Monsoon Rainfall. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091588.	4.0	38
21	A Review of Research on Tropical Air-Sea Interaction, ENSO Dynamics, and ENSO Prediction in China. <i>Journal of Meteorological Research</i> , 2020, 34, 43-62.	2.4	36
22	Extreme temperature indices in Eurasia in a <sc>CMIP6</sc> multi-model ensemble: Evaluation and projection. <i>International Journal of Climatology</i> , 2021, 41, 5368-5385.	3.5	36
23	Spurious North Tropical Atlantic precursors to El Niño. <i>Nature Communications</i> , 2021, 12, 3096.	12.8	33
24	Ocean dynamical processes associated with the tropical <sc>P</sc>acific cold tongue mode. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 6419-6435.	2.6	31
25	Impacts of the Tropical Pacific Cold Tongue Mode on ENSO Diversity Under Global Warming. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 8524-8542.	2.6	31
26	Pacific Meridional Mode's Western North Pacific Tropical Cyclone Linkage Explained by Tropical Pacific Quasi-Decadal Variability. <i>Geophysical Research Letters</i> , 2019, 46, 13346-13354.	4.0	24
27	Modulation of the Relationship between ENSO and Its Combination Mode by the Atlantic Multidecadal Oscillation. <i>Journal of Climate</i> , 2020, 33, 4679-4695.	3.2	21
28	ENSO Regime Changes Responsible for Decadal Phase Relationship Variations Between ENSO Sea Surface Temperature and Warm Water Volume. <i>Geophysical Research Letters</i> , 2019, 46, 7546-7553.	4.0	20
29	Modulation of the ENSO on Winter Aerosol Pollution in the Eastern Region of China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 11,952.	3.3	19
30	A New Method for Interpreting Nonstationary Running Correlations and Its Application to the ENSO's EAWM Relationship. <i>Geophysical Research Letters</i> , 2018, 45, 327-334.	4.0	18
31	Different Effects of Two ENSO Types on Arctic Surface Temperature in Boreal Winter. <i>Journal of Climate</i> , 2019, 32, 4943-4961.	3.2	18
32	Tropical Indo-Pacific Compounding Thermal Conditions Drive the 2019 Australian Extreme Drought. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL090323.	4.0	18
33	Delineating the Seasonally Modulated Nonlinear Feedback Onto ENSO From Tropical Instability Waves. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL085863.	4.0	14
34	Decadal Modulation of the ENSO's Indian Ocean Basin Warming Relationship during the Decaying Summer by the Interdecadal Pacific Oscillation. <i>Journal of Climate</i> , 2021, 34, 2685-2699.	3.2	14
35	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
36	Modulation of tropical cyclones in the southeastern part of western North Pacific by tropical Pacific decadal variability. <i>Climate Dynamics</i> , 2019, 53, 4475-4488.	3.8	13

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37	Recent Shift in the State of the Western Pacific Subtropical High due to ENSO Change. <i>Journal of Climate</i> , 2020, 33, 229-241.	3.2	13
38	Summer persistence barrier of sea surface temperature anomalies in the central western north pacific. <i>Advances in Atmospheric Sciences</i> , 2012, 29, 1159-1173.	4.3	12
39	How does El Niño-Southern Oscillation affect winter fog frequency over eastern China?. <i>Climate Dynamics</i> , 2020, 54, 1043-1056.	3.8	12
40	Asymmetric features for two types of ENSO. <i>Journal of Meteorological Research</i> , 2015, 29, 896-916.	2.4	11
41	Improved Predictability of the Indian Ocean Dipole Using a Stochastic Dynamical Model Compared to the North American Multimodel Ensemble Forecast. <i>Weather and Forecasting</i> , 2020, 35, 379-399.	1.4	10
42	Indispensable Role of the Madden-Julian Oscillation in the 2019 Extreme Autumn Drought Over Eastern China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD034123.	3.3	10
43	Record-Low WNP Tropical Cyclone Activity in Early Summer 2020 due to Indian Ocean Warming and Madden-Julian Oscillation Activity. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094578.	4.0	8
44	Extreme Indian Ocean dipole events associated with El Niño and Madden-Julian oscillation. <i>Climate Dynamics</i> , 2022, 59, 1953-1968.	3.8	8
45	A robust relationship between multidecadal global warming rate variations and the Atlantic Multidecadal Variability. <i>Climate Dynamics</i> , 2020, 55, 1945-1959.	3.8	7
46	Decadal Change of Combination Mode Spatiotemporal Characteristics due to an ENSO Regime Shift. <i>Journal of Climate</i> , 2020, 33, 5239-5251.	3.2	7
47	El Niño Pacing Orchestrates Inter-Basin Pacific-Indian Ocean Interannual Connections. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095242.	4.0	6
48	Validation and application of soil moisture active passive sea surface salinity observation over the Changjiang River Estuary. <i>Acta Oceanologica Sinica</i> , 2020, 39, 1-8.	1.0	5
49	Equatorial Origin of the Observed Tropical Pacific Quasi-Decadal Variability From ENSO Nonlinearity. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	5
50	Dominant spatiotemporal variability of wintertime precipitation days in China and the linkage with large-scale climate drivers. <i>International Journal of Climatology</i> , 2021, 41, 3561-3577.	3.5	4
51	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
52	A Concise and Effective Expression Relating Subsurface Temperature to the Thermocline in the Equatorial Pacific. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087848.	4.0	3
53	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
54	Joint impact of North Pacific Victoria mode and South Pacific Quadrapole mode on Pacific ITCZ summer precipitation. <i>Climate Dynamics</i> , 2020, 54, 4545-4561.	3.8	3

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55	Understanding the Complicated Relationship Between ENSO and Wintertime North Tropical Atlantic SST Variability. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	3
56	Atlantic Multidecadal Oscillation Modulates ENSO Atmospheric Anomaly Amplitude in the Tropical Pacific. <i>Journal of Climate</i> , 2022, 35, 3891-3903.	3.2	2
57	Dominant modes of interannual variability of winter fog days over eastern China and their association with major SST variability. <i>Climate Dynamics</i> , 0, , 1.	3.8	1
58	Meridional migration of ENSO impact on tropical Atlantic precipitation controlled by the seasonal cycle. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL096365.	4.0	1
59	Effective ENSO amplitude forecasts based on oceanic and atmospheric preconditions. <i>Journal of Climate</i> , 2022, , 1-50.	3.2	0
60	ENSO对热带大西洋海表温度异常振幅的调制作用. <i>SCIENTIA SINICA Terrae</i> , 2022, 0.3		0
61	Important role of the ENSO combination mode in the maintenance of the anomalous anticyclone over the western North Pacific in boreal summer. <i>Science China Earth Sciences</i> , 0, , .	5.2	0