Xin Wang

List of Publications by Year in descending order

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69 papers	2,265 citations	201674 27 h-index	233421 45 g-index
70 all docs	70 docs citations	70 times ranked	1690 citing authors

#	Article	IF	Citations
1	Classifying El NiÃ±o Modoki I and II by Different Impacts on Rainfall in Southern China and Typhoon Tracks. Journal of Climate, 2013, 26, 1322-1338.	3.2	168
2	Synoptic-scale characteristics and atmospheric controls of summer heat waves in China. Climate Dynamics, 2016, 46, 2923-2941.	3.8	147
3	Interdecadal variability of the relationship between the East Asian winter monsoon and ENSO. Meteorology and Atmospheric Physics, 2007, 98, 283-293.	2.0	141
4	Different impacts of various El NiÃ±o events on the Indian Ocean Dipole. Climate Dynamics, 2014, 42, 991-1005.	3.8	119
5	Summer high temperature extremes in Southeast China associated with the East Asian jet stream and circumglobal teleconnection. Journal of Geophysical Research D: Atmospheres, 2013, 118, 8306-8319.	3.3	92
6	On the Relationship between the North Pacific Climate Variability and the Central Pacific El NiÃ±o. Journal of Climate, 2015, 28, 663-677.	3.2	92
7	Teleconnected influence of North Atlantic sea surface temperature on the El NiÃ±o onset. Climate Dynamics, 2011, 37, 663-676.	3.8	83
8	Multidecadal Variability of Tropical Cyclone Rapid Intensification in the Western North Pacific. Journal of Climate, 2015, 28, 3806-3820.	3.2	78
9	Linkage between mei-yu precipitation and North Atlantic SST on the decadal timescale. Advances in Atmospheric Sciences, 2009, 26, 101-108.	4.3	67
10	Possible connection between Pacific Oceanic interdecadal pathway and east Asian winter monsoon. Geophysical Research Letters, 2007, 34, .	4.0	66
11	Decadal variability of twentiethâ€century El NiÃ±o and La NiÃ±a occurrence from observations and IPCC AR4 coupled models. Geophysical Research Letters, 2009, 36, .	4.0	58
12	Comparison of the impact of two types of El NiÃ±o onÂtropical cyclone genesis over the South China Sea. International Journal of Climatology, 2014, 34, 2651-2660.	3.5	55
13	Thermal variations in the <scp>S</scp>outh <scp>C</scp>hina <scp>S</scp>ea associated with the eastern and central <scp>P</scp>acific <scp>E</scp>l <scp>N</scp>iÃ±o events and their mechanisms. Journal of Geophysical Research: Oceans, 2014, 119, 8955-8972.	2.6	55
14	Impact of intraseasonal oscillation on the tropical cyclone track in the South China Sea. Climate Dynamics, 2015, 44, 1505-1519.	3.8	51
15	An interdecadal change in the intensity of interannual variability in summer rainfall over southern China around early 1990s. Climate Dynamics, 2017, 48, 191-207.	3.8	47
16	Unusual Rainfall in Southern China in Decaying August during Extreme El NiÃ±o 2015/16: Role of the Western Indian Ocean and North Tropical Atlantic SST. Journal of Climate, 2018, 31, 7019-7034.	3.2	47
17	The Changing Impact Mechanisms of a Diverse El NiÃ±o on the Western Pacific Subtropical High. Geophysical Research Letters, 2019, 46, 953-962.	4.0	47
18	Effects of the East Asian summer monsoon on tropical cyclone genesis over the South China Sea on an interdecadal time scale. Advances in Atmospheric Sciences, 2012, 29, 249-262.	4.3	44

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19	Interdecadal modulation of the influence of La NiÃ±a events on mei-yu rainfall over the Yangtze River valley. Advances in Atmospheric Sciences, 2012, 29, 157-168.	4.3	41
20	Evaluation of performance of CMIP5 models in simulating the North Pacific Oscillation and El NiÃ±o Modoki. Climate Dynamics, 2019, 52, 1383-1394.	3.8	41
21	Different Responses of Sea Surface Temperature in the South China Sea to Various El NiÃ±o Events during Boreal Autumn. Journal of Climate, 2016, 29, 1127-1142.	3.2	39
22	Potential impact of the Pacific Decadal Oscillation and sea surface temperature in the tropical Indian Oceanâ€“Western Pacific on the variability of typhoon landfall on the China coast. Climate Dynamics, 2018, 51, 2695-2705.	3.8	37
23	Toward a Mesoscale Hydrological and Marine Meteorological Observation Network in the South China Sea. Bulletin of the American Meteorological Society, 2015, 96, 1117-1135.	3.3	36
24	Interdecadal variation of the relationship between Indian rainfall and SSTA modes in the Indian Ocean. International Journal of Climatology, 2006, 26, 595-606.	3.5	35
25	Statistical modeling and CMIP5 simulations of hot spell changes in China. Climate Dynamics, 2015, 44, 2859-2872.	3.8	34
26	A new index for identifying different types of El NiÃ±o Modoki events. Climate Dynamics, 2018, 50, 2753-2765.	3.8	34
27	Decadal/interdecadal variations of the ocean temperature and its impacts on climate. Advances in Atmospheric Sciences, 2006, 23, 964-981.	4.3	30
28	Remote impact of North Atlantic sea surface temperature on rainfall in southwestern China during boreal spring. Climate Dynamics, 2018, 50, 541-553.	3.8	28
29	The roles of tropical and subtropical wind stress anomalies in the El NiÃ±o Modoki onset. Climate Dynamics, 2019, 52, 6585-6597.	3.8	23
30	The impacts of the summer Asian Jet Stream biases on surface air temperature in midâ€eastern China in IPCC AR4 models. International Journal of Climatology, 2013, 33, 265-276.	3.5	21
31	El NiÃ±o Modoki and the Summer Precipitation Variability over South Korea: A Diagnostic Study. Journal of the Meteorological Society of Japan, 2012, 90, 673-684.	1.8	20
32	Different Influences of Southeastern Indian Ocean and Western Indian Ocean SST Anomalies on Eastern China Rainfall during the Decaying Summer of the 2015/16 Extreme El NiÃ±o. Journal of Climate, 2020, 33, 5427-5443.	3.2	19
33	Effects of precipitation on sonic anemometer measurements of turbulent fluxes in the atmospheric surface layer. Journal of Ocean University of China, 2016, 15, 389-398.	1.2	18
34	Biases of five latent heat flux products and their impacts on mixedâ€layer temperature estimates in the <scp>S</scp>outh <scp>C</scp>hina <scp>S</scp>ea. Journal of Geophysical Research: Oceans, 2017, 122, 5088-5104.	2.6	18
35	Strengthening impacts of spring sea surface temperature in the north tropical Atlantic on Indian Ocean dipole after the mid-1980s. Climate Dynamics, 2022, 59, 185-200.	3.8	18
36	Tropical cyclone activity in the northwestern Pacific associated with decaying Central Pacific El NiÃ±os. Stochastic Environmental Research and Risk Assessment, 2016, 30, 1335-1345.	4.0	16

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37	Modulation of Pacific Decadal Oscillation on the relationship of El NiÃ±o with southern China rainfall during early boreal winter. Atmospheric Science Letters, 2017, 18, 336-341.	1.9	16
38	On the Simulations of Global Oceanic Latent Heat Flux in the CMIP5 Multimodel Ensemble. Journal of Climate, 2018, 31, 7111-7128.	3.2	16
39	Remote influence of North Atlantic <scp>SST</scp> on the equatorial westerly wind anomalies in the western Pacific for initiating an El NiÃ±o event: an Atmospheric General Circulation Model Study. Atmospheric Science Letters, 2013, 14, 107-111.	1.9	15
40	IOD, ENSO, and seasonal precipitation variation over Eastern China. Atmospheric Research, 2022, 270, 106042.	4.1	14
41	Interdecadal mode and its propagating characteristics of SSTA in the South Pacific. Meteorology and Atmospheric Physics, 2007, 98, 115-124.	2.0	13
42	Air-sea interactions during rapid intensification of typhoon Fengshen (2008). Deep-Sea Research Part I: Oceanographic Research Papers, 2018, 140, 63-77.	1.4	13
43	Distinct Onset Mechanisms of Two Subtypes of CP El NiÃ±o and Their Changes in Future Warming. Geophysical Research Letters, 2021, 48, e2021GL093707.	4.0	13
44	Anomalous Tropical Cyclone Activity in the Western North Pacific in August 2014. Bulletin of the American Meteorological Society, 2015, 96, S120-S125.	3.3	12
45	Ship observations and numerical simulation of the marine atmospheric boundary layer over the spring oceanic front in the northwestern South China Sea. Journal of Geophysical Research D: Atmospheres, 2017, 122, 3733-3753.	3.3	12
46	Interdecadal change in the summer SST-precipitation relationship around the late 1990s over the South China Sea. Climate Dynamics, 2018, 51, 2229-2246.	3.8	12
47	Lagged Responses of the Tropical Pacific to the 11-yr Solar Cycle Forcing and Possible Mechanisms. Journal of Meteorological Research, 2021, 35, 444-459.	2.4	12
48	Relationship over southern China between the summer rainfall induced by tropical cyclones and that by monsoon. Atmospheric and Oceanic Science Letters, 2017, 10, 96-103.	1.3	11
49	Northâ€south variations of tropical storm genesis locations in the Western Hemisphere. Geophysical Research Letters, 2016, 43, 11,367.	4.0	10
50	Evaluation of the tropical variability from the Beijing Climate Centerâ€™s real-time operational global Ocean Data Assimilation System. Advances in Atmospheric Sciences, 2016, 33, 208-220.	4.3	9
51	The spring Yellow Sea fog: synoptic and airâ€“sea characteristics associated with different airflow paths. Acta Oceanologica Sinica, 2018, 37, 20-29.	1.0	9
52	Indian Ocean Dipole and ENSOâ€™s mechanistic importance in modulating the ensuing-summer precipitation over Eastern China. Npj Climate and Atmospheric Science, 2022, 5, .	6.8	9
53	Variations of the North Equatorial Current Bifurcation and the SSH in the Western Pacific Associated With El NiÃ±o Flavors. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015733.	2.6	7
54	Cool Skin Effect and its Impact on the Computation of the Latent Heat Flux in the South China Sea. Journal of Geophysical Research: Oceans, 2021, 126, .	2.6	7

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55	Tropical and Subtropical Pacific Sources of the Asymmetric El NiÃ±oâ€Ła NiÃ±a Decay and Their Future Changes. Geophysical Research Letters, 2022, 49, .	4.0	7
56	The characteristics of sea fog with different airflow over the Huanghai Sea in boreal spring. Acta Oceanologica Sinica, 2010, 29, 3-12.	1.0	6
57	Anthropogenic climate change revealed by coral gray values in the South China Sea. Science Bulletin, 2010, 55, 1304-1310.	1.7	6
58	Observed Relationship of Boreal Winter South Pacific Tripole SSTA with Eastern China Rainfall during the Following Boreal Spring. Journal of Climate, 2014, 27, 8094-8106.	3.2	6
59	Impacts of the Atlantic warm pool on North American precipitation and global sea surface temperature in a coupled general circulation model. Climate Dynamics, 2021, 56, 1163-1181.	3.8	6
60	Impacts of Diverse El NiÃ±o Events on North Tropical Atlantic Warming in Their Decaying Springs. Journal of Geophysical Research: Oceans, 2021, 126, e2021JC017514.	2.6	6
61	Zonal Asymmetry of the Annular Mode and Its Downstream Subtropical Jet: An Idealized Model Study. Journals of the Atmospheric Sciences, 2011, 68, 1946-1973.	1.7	4
62	Zonal overturning circulation and heat flux induced by heaving modes in the world oceans. Acta Oceanologica Sinica, 2015, 34, 80-91.	1.0	4
63	Relationship between Pacific Ocean warming and tropical cyclone activity over the western North Pacific. Stochastic Environmental Research and Risk Assessment, 2019, 33, 31-45.	4.0	4
64	Exploring the phase-strength asymmetry of the North Atlantic Oscillation using conditional nonlinear optimal perturbation. Advances in Atmospheric Sciences, 2015, 32, 671-679.	4.3	3
65	Strengthening effect of Maritime Continent deforestation on the precipitation decline over southern China during late winter and early spring. Climate Dynamics, 2023, 60, 1173-1185.	3.8	3
66	Influence of the South Pacific decadal variability on Southeast China rainfall during boreal autumn. International Journal of Climatology, 2018, 38, e209.	3.5	1
67	The Influence of Two Kinds of El NiÃ±o Events on the Strong Tropical Cyclone Generation and Strength in the Pacific Ocean. Journal of Ocean University of China, 2018, 17, 1011-1018.	1.2	1
68	Comparisons of Two Types of El NiÃ±o Impacts on TC Genesis over the South China Sea. Advances in Natural and Technological Hazards Research, 2014, , 351-359.	1.1	0
69	Climatological and Seasonal Variations of the Tropical Cyclone Genesis Potential Index Based on Oceanic Parameters in the Global Ocean. Journal of Ocean University of China, 2021, 20, 1307-1315.	1.2	0