

Weiqiang Wang

List of Publications by Year in descending order

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48
papers

1,018
citations

471509

17
h-index

454955

30
g-index

48
all docs

48
docs citations

48
times ranked

1056
citing authors

#	ARTICLE	IF	CITATIONS
1	Interannual variability of the South China Sea associated with El Niño. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	153
2	SCSPOD14, a South China Sea physical oceanographic dataset derived from in situ measurements during 1919–2014. <i>Scientific Data</i> , 2016, 3, 160029.	5.3	58
3	The cooperative impacts of the El Niño-Southern Oscillation and the Indian Ocean Dipole on the interannual variability of autumn rainfall in China. <i>International Journal of Climatology</i> , 2016, 36, 1987-1999.	3.5	52
4	CMIP5 Projections of Two Types of El Niño and Their Related Tropical Precipitation in the Twenty-First Century. <i>Journal of Climate</i> , 2017, 30, 849-864.	3.2	51
5	The 1997–1998 warm event in the South China Sea. <i>Science Bulletin</i> , 2002, 47, 1221-1227.	1.7	50
6	Future Climate in the Tibetan Plateau from a Statistical Regional Climate Model. <i>Journal of Climate</i> , 2013, 26, 10125-10138.	3.2	49
7	Strong Intraseasonal Variability of Meridional Currents near 5°N in the Eastern Indian Ocean: Characteristics and Causes. <i>Journal of Physical Oceanography</i> , 2017, 47, 979-998.	1.7	46
8	Wet-to-dry shift over Southwest China in 1994 tied to the warming of tropical warm pool. <i>Climate Dynamics</i> , 2018, 51, 3111-3123.	3.8	43
9	Roles of tropical SST patterns during two types of ENSO in modulating wintertime rainfall over southern China. <i>Climate Dynamics</i> , 2019, 52, 523-538.	3.8	42
10	Different Responses of Sea Surface Temperature in the South China Sea to Various El Niño Events during Boreal Autumn. <i>Journal of Climate</i> , 2016, 29, 1127-1142.	3.2	39
11	Validation and application of MODIS-derived SST in the South China Sea. <i>International Journal of Remote Sensing</i> , 2014, 35, 4315-4328.	2.9	32
12	Pacific Subtropical Cell variability in the SODA 2.0.2/3 assimilation. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	26
13	Establishment and adjustment of monsoon-driven circulation in the South China Sea. <i>Science in China Series D: Earth Sciences</i> , 2003, 46, 173-181.	0.9	25
14	Variability of Pacific subtropical cells in the 50-year ECCO assimilation. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	25
15	Thermocline Fluctuations in the Equatorial Pacific Related to the Two Types of El Niño Events. <i>Journal of Climate</i> , 2017, 30, 6611-6627.	3.2	20
16	Vertical Propagation of Middepth Zonal Currents Associated With Surface Wind Forcing in the Equatorial Indian Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 7290-7307.	2.6	19
17	Aggravation of Record-Breaking Drought over the Mid-Lower Reaches of the Yangtze River in the Post-monsoon Season of 2019 by Anomalous Indo-Pacific Oceanic Conditions. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090847.	4.0	19
18	Deep-Current Intraseasonal Variability Interpreted as Topographic Rossby Waves and Deep Eddies in the Xisha Islands of the South China Sea. <i>Journal of Physical Oceanography</i> , 2022, 52, 1415-1430.	1.7	18

#	ARTICLE	IF	CITATIONS
19	Exceptionally prolonged extreme heat waves over South China in early summer 2020: The role of warming in the tropical Indian Ocean. <i>Atmospheric Research</i> , 2022, 278, 106335.	4.1	18
20	Formation and decay of the spring warm pool in the South China Sea. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	17
21	Signals of the South China Sea summer rainfall variability in the Indian Ocean. <i>Climate Dynamics</i> , 2016, 46, 3181-3195.	3.8	16
22	Features of the Equatorial Intermediate Current Associated with Basin Resonance in the Indian Ocean. <i>Journal of Physical Oceanography</i> , 2018, 48, 1333-1347.	1.7	16
23	Deep Meridional Overturning Circulation in the Indian Ocean and Its Relation to Indian Ocean Dipole. <i>Journal of Climate</i> , 2014, 27, 4508-4520.	3.2	14
24	Weakening of the El Niño amplitude since the late 1990s and its link to decadal change in the North Pacific climate. <i>International Journal of Climatology</i> , 2019, 39, 4125-4138.	3.5	14
25	Semiannual Variability of Middepth Zonal Currents along 5°N in the Eastern Indian Ocean: Characteristics and Causes. <i>Journal of Physical Oceanography</i> , 2019, 49, 2715-2729.	1.7	13
26	Observed Deep Anticyclonic Cap Over Caiwei Guyot. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2020JC016254.	2.6	13
27	Change in Coherence of Summer Rainfall Variability over the Western Pacific around the Early 2000s: ENSO Influence. <i>Journal of Climate</i> , 2020, 33, 1105-1119.	3.2	12
28	Attenuation of Central Pacific El Niño Amplitude by North Pacific Sea Surface Temperature Anomalies. <i>Journal of Climate</i> , 2020, 33, 6673-6688.	3.2	12
29	The deep meridional overturning circulation in the Indian Ocean inferred from the GECCO synthesis. <i>Dynamics of Atmospheres and Oceans</i> , 2012, 58, 44-61.	1.8	10
30	Model-based assessment of a Northwestern Tropical Pacific moored array to monitor intraseasonal variability. <i>Ocean Modelling</i> , 2018, 126, 1-12.	2.4	10
31	Targeted observation analysis of a Northwestern Tropical Pacific Ocean mooring array using an ensemble-based method. <i>Ocean Dynamics</i> , 2018, 68, 1109-1119.	2.2	10
32	Baroclinic Characteristics and Energetics of Annual Rossby Waves in the Southern Tropical Indian Ocean. <i>Journal of Physical Oceanography</i> , 2020, 50, 2591-2607.	1.7	10
33	Contributions of Surface Heat Fluxes and Oceanic Processes to Tropical SST Changes: Seasonal and Regional Dependence. <i>Journal of Climate</i> , 2017, 30, 4185-4205.	3.2	9
34	Changes in extended boreal summer tropical cyclogenesis associated with large-scale flow patterns over the western North Pacific in response to the global warming hiatus. <i>Climate Dynamics</i> , 2021, 56, 515-535.	3.8	8
35	Identifying ship-wakes in a shallow estuary using machine learning. <i>Ocean Engineering</i> , 2022, 246, 110456.	4.3	8
36	Estimates of global ocean volume transports during 1960 through 2001. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	7

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37	Multi-scale variability of the tropical Indian Ocean circulation system revealed by recent observations. <i>Science China Earth Sciences</i> , 2018, 61, 668-680.	5.2	7
38	Heat contribution of the Indonesian throughflow to the Indian Ocean. <i>Acta Oceanologica Sinica</i> , 2019, 38, 72-79.	1.0	5
39	Effects of monsoon onset vortex on heat budget in the mixed layer of the Bay of Bengal. <i>Journal of Oceanology and Limnology</i> , 2020, 38, 1616-1631.	1.3	5
40	A spectral barotropic model of the wind-driven world ocean. <i>Ocean Modelling</i> , 2009, 30, 310-322.	2.4	4
41	Zonal overturning circulation and heat flux induced by heaving modes in the world oceans. <i>Acta Oceanologica Sinica</i> , 2015, 34, 80-91.	1.0	4
42	Regulation of South China Sea throughflow by pressure difference. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 4077-4096.	2.6	4
43	Dynamics of counter wind current along the south Sri Lanka coast during the Southwest Monsoon. <i>Ocean Dynamics</i> , 2021, 71, 1051-1067.	2.2	3
44	A new presentation of the Indian Ocean shallow overturning circulation from a vertical perspective. <i>Atmospheric and Oceanic Science Letters</i> , 2021, 14, 100061.	1.3	1
45	Response of extreme significant wave height to climate change in the South China Sea and northern Indian Ocean. <i>Aquatic Ecosystem Health and Management</i> , 2021, 24, 103-110.	0.6	1
46	The variation of marine environment and climate effect in Indo-Pacific Ocean. <i>Journal of Oceanology and Limnology</i> , 2020, 38, 1599-1601.	1.3	0
47	Roles of Equatorial Ocean Currents in Sustaining the Indian Ocean Dipole Peak. <i>Journal of Ocean University of China</i> , 2022, 21, 622-632.	1.2	0
48	Decadal variation and trend of the upper layer salinity in the South China Sea from 1960 to 2010. <i>Journal of Oceanology and Limnology</i> , 0, , .	1.3	0