Zhaomin Wang

List of Publications by Year
in descending order

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Version: 2024-02-01

60 papers	2,042 citations	394421 19 h-index	254184 43 g-index
65 all docs	65 docs citations	65 times ranked	2629 citing authors

#	Article	IF	Citations
1	Open-Ocean Polynyas in the Cooperation Sea, Antarctica. Journal of Physical Oceanography, 2022, 52, 1363-1381.	1.7	1
2	Topography-mediated Transport of Warm Deep Water across the Continental Shelf Slope, East Antarctica. Journal of Physical Oceanography, 2022, , .	1.7	2
3	Modeling Mesoscale Eddies Generated Over the Continental Slope, East Antarctica. Frontiers in Earth Science, 2022, 10, .	1.8	0
4	An evaluation of the Arctic clouds and surface radiative fluxes in CMIP6 models. Acta Oceanologica Sinica, 2021, 40, 85-102.	1.0	8
5	An assessment of Arctic cloud water paths in atmospheric reanalyses. Acta Oceanologica Sinica, 2021, 40, 46-57.	1.0	4
6	Role of Intense Arctic Storm in Accelerating Summer Sea Ice Melt: An In Situ Observational Study. Geophysical Research Letters, 2021, 48, e2021GL092714.	4.0	18
7	Impacts of Changed Ice-Ocean Stress on the North Atlantic Ocean: Role of Ocean Surface Currents. Frontiers in Marine Science, 2021, 8, .	2.5	6
8	Mean and Seasonal Circulation of the Eastern Chukchi Sea From Moored Timeseries in 2013â€“2014. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC016863.	2.6	9
9	Energetics of Eddy-Mean Flow Interactions in the Amery Ice Shelf Cavity. Frontiers in Marine Science, 2021, 8, .	2.5	1
10	Tropical teleconnection impacts on Antarctic climate changes. Nature Reviews Earth & Environment, 2021, 2, 680-698.	29.7	85
11	Prolonged Marine Heatwaves in the Arctic: 1982â˜2020. Geophysical Research Letters, 2021, 48, .	4.0	19
12	Modeling the vertical structure of the ice shelfâ€“ocean boundary current under supercooled condition with suspended frazil ice processes: A case study underneath the Amery Ice Shelf, East Antarctica. Ocean Modelling, 2020, 156, 101712.	2.4	4
13	Southern Ocean Wind Stress in CMIP5 Models: Role of Wind Fluctuations. Journal of Climate, 2020, 33, 1209-1226.	3.2	5
14	Impacts of High-Frequency Atmospheric Forcing on Southern Ocean Circulation and Antarctic Sea Ice. Advances in Atmospheric Sciences, 2020, 37, 515-531.	4.3	15
15	Recent Decrease of Summer Sea Ice in the Weddell Sea, Antarctica. Geophysical Research Letters, 2020, 47, e2020GL087127.	4.0	67
16	Impacts of extratropical storm tracks on Arctic sea ice export through Fram Strait. Climate Dynamics, 2019, 52, 2235-2246.	3.8	14
17	Rapid Decline of Total Antarctic Sea Ice Extent during 2014â€“16 Controlled by Wind-Driven Sea Ice Drift. Journal of Climate, 2019, 32, 5381-5395.	3.2	39
18	Responses of sub-ice platelet layer thickening rate and frazil-ice concentration to variations in ice-shelf water supercooling in McMurdo Sound, Antarctica. Cryosphere, 2019, 13, 265-280.	3.9	8

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19	Polar climate system modeling in China: Recent progress and future challenges. Science China Earth Sciences, 2019, 62, 1076-1091.	5.2	0
20	Reexamination of Fram Strait sea ice export and its role in recently accelerated Arctic sea ice retreat. Climate Dynamics, 2019, 53, 1823-1841.	3.8	19
21	The Dominant Role of Extreme Precipitation Events in Antarctic Snowfall Variability. Geophysical Research Letters, 2019, 46, 3502-3511.	4.0	98
22	A Modeling Investigation of Northern Hemisphere Extratropical Cyclone Activity in Spring: The Linkage between Extreme Weather and Arctic Sea Ice Forcing. Climate, 2019, 7, 25.	2.8	4
23	Month-to-Month Variability of Autumn Sea Ice in the Barents and Kara Seas and Its Relationship to Winter Air Temperature in China. Advances in Meteorology, 2019, 2019, 1-13.	1.6	7
24	Eurasian Winter Storm Activity at the End of the Century: A CMIP5 Multiâ€model Ensemble Projection. Earth's Future, 2018, 6, 61-70.	6.3	12
25	Mean, Variability, and Trend of Southern Ocean Wind Stress: Role of Wind Fluctuations. Journal of Climate, 2018, 31, 3557-3573.	3.2	35
26	Seasonal Prediction of the Yangtze River Runoff Using a Partial Least Squares Regression Model. Atmosphere - Ocean, 2018, 56, 117-128.	1.6	6
27	On the Modified Circumpolar Deep Water Upwelling Over the Four Ladies Bank in Prydz Bay, East Antarctica. Journal of Geophysical Research: Oceans, 2018, 123, 7819-7838.	2.6	23
28	On the response of the <scp>L</scp>orenz energy cycle for the <scp>S</scp>outhern <scp>O</scp>cean to intensified westerlies. Journal of Geophysical Research: Oceans, 2017, 122, 2465-2493.	2.6	11
29	On the response of subduction in the South Pacific to an intensification of westerlies and heat flux in an eddy permitting ocean model. Advances in Atmospheric Sciences, 2017, 34, 521-531.	4.3	5
30	Decadal-Mean Impact of Including Ocean Surface Currents in Bulk Formulas on Surface Airâ€“Sea Fluxes and Ocean General Circulation. Journal of Climate, 2017, 30, 9511-9525.	3.2	15
31	Vertical Modification on Depth-Integrated Ice Shelf Water Plume Modeling Based on an Equilibrium Vertical Profile of Suspended Frazil Ice Concentration. Journal of Physical Oceanography, 2017, 47, 2773-2792.	1.7	6
32	Modeling modified <scp>C</scp>ircumpolar <scp>D</scp>eep <scp>W</scp>ater intrusions onto the <scp>P</scp>rydz <scp>B</scp>ay continental shelf, <scp>E</scp>ast <scp>A</scp>ntarctica. Journal of Geophysical Research: Oceans, 2017, 122, 5198-5217.	2.6	29
33	Impacts of open-ocean deep convection in the Weddell Sea on coastal and bottom water temperature. Climate Dynamics, 2017, 48, 2967-2981.	3.8	13
34	A preliminary study to investigate the biogeophysical impact of desertification on climate based on different latitudinal bands. International Journal of Climatology, 2016, 36, 945-955.	3.5	0
35	Impact of Synoptic Atmospheric Forcing on the Mean Ocean Circulation. Journal of Climate, 2016, 29, 5709-5724.	3.2	27
36	Effects of regional afforestation on global climate. Journal of Water and Climate Change, 2015, 6, 191-199.	2.9	4

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37	An atmospheric origin of the multi-decadal bipolar seesaw. Scientific Reports, 2015, 5, 8909.	3.3	40
38	Global warming caused by afforestation in the Southern Hemisphere. Ecological Indicators, 2015, 52, 371-378.	6.3	6
39	Contribution of surface roughness to simulations of historical deforestation. Physics and Chemistry of the Earth, 2015, 87-88, 119-125.	2.9	2
40	The biogeophysical effects of extreme afforestation in modeling future climate. Theoretical and Applied Climatology, 2014, 118, 511-521.	2.8	12
41	On the response of the global subduction rate to globalwarming in coupled climate models. Advances in Atmospheric Sciences, 2014, 31, 211-218.	4.3	10
42	Cyclone-induced rapid creation of extreme Antarctic sea ice conditions. Scientific Reports, 2014, 4, 5317.	3.3	19
43	Assessment of surface winds over the Atlantic, Indian, and Pacific Ocean sectors of the Southern Ocean in CMIP5 models: historical bias, forcing response, and state dependence. Journal of Geophysical Research D: Atmospheres, 2013, 118, 547-562.	3.3	173
44	On the response of Southern Hemisphere subpolar gyres to climate change in coupled climate models. Journal of Geophysical Research: Oceans, 2013, 118, 1070-1086.	2.6	33
45	Nonâ€annular atmospheric circulation change induced by stratospheric ozone depletion and its role in the recent increase of Antarctic sea ice extent. Geophysical Research Letters, 2009, 36, .	4.0	410
46	Simulation of the climatic effects of natural forcings during the pre-industrial era. Science Bulletin, 2007, 52, 1545-1558.	1.7	7
47	Effects of historical land cover changes on climate. Science Bulletin, 2007, 52, 2575-2583.	1.7	18
48	Glacial abrupt climate changes and Dansgaard-Oeschger oscillations in a coupled climate model. Paleoceanography, 2006, 21, n/a-n/a.	3.0	41
49	Simulation of long-term future climate changes with the green McGill paleoclimate model: the next glacial inception. Climatic Change, 2006, 79, 381-401.	3.6	17
50	The greening of the McGill Paleoclimate Model. Part I: Improved land surface scheme with vegetation dynamics. Climate Dynamics, 2005, 24, 469-480.	3.8	20
51	The greening of the McGill Paleoclimate Model. Part II: Simulation of Holocene millennial-scale natural climate changes. Climate Dynamics, 2005, 24, 481-496.	3.8	38
52	Two climatic states and feedbacks on thermohaline circulation in an Earth system model of intermediate complexity. Climate Dynamics, 2005, 25, 299-314.	3.8	6
53	Simulation of the last glacial inception with the green McGill Paleoclimate Model. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	24
54	Thermohaline circulation hysteresis: A model intercomparison. Geophysical Research Letters, 2005, 32, .	4.0	344

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55	Correspondence: Reply to the comment of weaver and Eby on the Paper â€œa parametrization of solar energy disposition in the climate systemâ€•(Wang et al., 2004). Atmosphere - Ocean, 2004, 42, 295-296.	1.6	0
56	A parametrization of solar energy disposition in the climate system. Atmosphere - Ocean, 2004, 42, 113-125.	1.6	15
57	Simulation of the last glacial inception and rapid ice sheet growth in the McGill Paleoclimate Model. Geophysical Research Letters, 2002, 29, 17-1-17-4.	4.0	77
58	Response of the thermohaline circulation to cold climates. Paleoceanography, 2002, 17, 6-1-6-14.	3.0	29
59	Ice Sheet-Thermohaline Circulation Interactions in a Climate Model of Intermediate Complexity. Journal of Oceanography, 2001, 57, 481-494.	1.7	27
60	A Simple Coupled Atmosphereâ€“Oceanâ€“Sea Iceâ€“Land Surface Model for Climate and Paleoclimate Studies*. Journal of Climate, 2000, 13, 1150-1172.	3.2	55