

Guojian Wang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

35
papers

4,035
citations

20
h-index

40
g-index

40
ext. papers

5,295
ext. citations

16.8
avg, IF

5.11
L-index

#	Paper	IF	Citations
35	Diversity of ENSO-Related Surface Temperature Response in Future Projection in CMIP6 Climate Models: Climate Change Scenario Versus ENSO Intensity. <i>Geophysical Research Letters</i> , 2022 , 49,	4.9	1
34	Improved Simulation of ENSO Variability Through Feedback From the Equatorial Atlantic in a Pacemaker Experiment. <i>Geophysical Research Letters</i> , 2022 , 49,	4.9	0
33	Simulated Thermocline Tilt Over the Tropical Indian Ocean and Its Influence on Future Sea Surface Temperature Variability. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL091902	4.9	0
32	Is Preconditioning Effect On Strong Positive Indian Ocean Dipole by a Preceding Central Pacific El Niño Deterministic?. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL092223	4.9	1
31	Opposite response of strong and moderate positive Indian Ocean Dipole to global warming. <i>Nature Climate Change</i> , 2021 , 11, 27-32	21.4	27
30	Changing El Niño Southern Oscillation in a warming climate. <i>Nature Reviews Earth & Environment</i> , 2021 , 2, 628-644	30.2	26
29	Tropical teleconnection impacts on Antarctic climate changes. <i>Nature Reviews Earth & Environment</i> , 2021 , 2, 680-698	30.2	9
28	Decadal climate variability in the tropical Pacific: Characteristics, causes, predictability, and prospects. <i>Science</i> , 2021 , 374, eaay9165	33.3	24
27	Response of the positive Indian Ocean dipole to climate change and impact on Indian summer monsoon rainfall 2021 , 413-432		
26	Climate impacts of the El Niño Southern Oscillation on South America. <i>Nature Reviews Earth & Environment</i> , 2020 , 1, 215-231	30.2	125
25	Two-year consecutive concurrences of positive Indian Ocean Dipole and Central Pacific El Niño preconditioned the 2019/2020 Australian Black summer bushfires. <i>Geoscience Letters</i> , 2020 , 7,	3.5	14
24	Change in strong Eastern Pacific El Niño events dynamics in the warming climate. <i>Climate Dynamics</i> , 2020 , 54, 901-918	4.2	7
23	The Pacific Decadal Oscillation less predictable under greenhouse warming. <i>Nature Climate Change</i> , 2020 , 10, 30-34	21.4	25
22	A Unique Feature of the 2019 Extreme Positive Indian Ocean Dipole Event. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL088615	4.9	20
21	ENSO Response to Greenhouse Forcing. <i>Geophysical Monograph Series</i> , 2020 , 289-307	1.1	5
20	Oceanic Processes in Ocean Temperature Products Key to a Realistic Presentation of Positive Indian Ocean Dipole Nonlinearity. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL089396	4.9	5
19	Stronger Increase in the Frequency of Extreme Convective than Extreme Warm El Niño Events under Greenhouse Warming. <i>Journal of Climate</i> , 2020 , 33, 675-690	4.4	10

18	Weakening Atlantic Niño-Pacific connection under greenhouse warming. <i>Science Advances</i> , 2019 , 5, eaax4111	41.1	25
17	Pantropical climate interactions. <i>Science</i> , 2019 , 363,	33.3	250
16	Anthropogenic Aerosols Cause Recent Pronounced Weakening of Asian Summer Monsoon Relative to Last Four Centuries. <i>Geophysical Research Letters</i> , 2019 , 46, 5469-5479	4.9	38
15	Stabilised frequency of extreme positive Indian Ocean Dipole under 1.5 °C warming. <i>Nature Communications</i> , 2018 , 9, 1419	17.4	30
14	El Niño-Southern Oscillation complexity. <i>Nature</i> , 2018 , 559, 535-545	50.4	389
13	Increased variability of eastern Pacific El Niño under greenhouse warming. <i>Nature</i> , 2018 , 564, 201-206	50.4	254
12	Assessing the Impact of Model Biases on the Projected Increase in Frequency of Extreme Positive Indian Ocean Dipole Events. <i>Journal of Climate</i> , 2017 , 30, 2757-2767	4.4	20
11	Definition of Extreme El Niño and Its Impact on Projected Increase in Extreme El Niño Frequency. <i>Geophysical Research Letters</i> , 2017 , 44, 11,184	4.9	17
10	Continued increase of extreme El Niño frequency long after 1.5 °C warming stabilization. <i>Nature Climate Change</i> , 2017 , 7, 568-572	21.4	125
9	Pacific western boundary currents and their roles in climate. <i>Nature</i> , 2015 , 522, 299-308	50.4	289
8	MEETING SUMMARIES. <i>Bulletin of the American Meteorological Society</i> , 2015 , 96, 1969-1972	6.1	8
7	ENSO and greenhouse warming. <i>Nature Climate Change</i> , 2015 , 5, 849-859	21.4	441
6	Increased frequency of extreme La Niña events under greenhouse warming. <i>Nature Climate Change</i> , 2015 , 5, 132-137	21.4	382
5	Increased frequency of extreme Indian Ocean Dipole events due to greenhouse warming. <i>Nature</i> , 2014 , 510, 254-8	50.4	213
4	Trends in Southern Hemisphere wind-driven circulation in CMIP5 models over the 21st century: Ozone recovery versus greenhouse forcing. <i>Journal of Geophysical Research: Oceans</i> , 2014 , 119, 2974-2986	3.3	18
3	Increasing frequency of extreme El Niño events due to greenhouse warming. <i>Nature Climate Change</i> , 2014 , 4, 111-116	21.4	1181
2	Climate-change impact on the 20th-century relationship between the Southern Annular Mode and global mean temperature. <i>Scientific Reports</i> , 2013 , 3, 2039	4.9	43
1	Increased ENSO sea surface temperature variability under four IPCC emission scenarios. <i>Nature Climate Change</i> ,	21.4	7

