

# Xi-Chen Li

## List of Publications by Year in descending order

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36  
papers

2,114  
citations

430874

18  
h-index

345221

36  
g-index

38  
all docs

38  
docs citations

38  
times ranked

2362  
citing authors

#	ARTICLE	IF	CITATIONS
1	A new localization implementation scheme for ensemble data assimilation of non-local observations. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 63, 244.	1.7	13
2	Two Types of the East Asian Cold Surge and Their Impacts on El Niño. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	8
3	Sea ice loss of the Barents-Kara Sea enhances the winter warming over the Tibetan Plateau. <i>Npj Climate and Atmospheric Science</i> , 2022, 5, .	6.8	22
4	Asymmetric Impacts of El Niño and La Niña on the Pacific-South America Teleconnection Pattern. <i>Journal of Climate</i> , 2022, 35, 1825-1838.	3.2	9
5	Impact of Local Atmospheric Intraseasonal Variability on Mean Sea Ice State in the Arctic Ocean. <i>Journal of Climate</i> , 2022, 35, 1559-1575.	3.2	3
6	Topography-mediated Transport of Warm Deep Water across the Continental Shelf Slope, East Antarctica. <i>Journal of Physical Oceanography</i> , 2022, , .	1.7	2
7	Remote Influence of the Midlatitude South Atlantic Variability in Spring on Antarctic Summer Sea Ice. <i>Geophysical Research Letters</i> , 2021, 48, .	4.0	8
8	The importance of inter-basin atmospheric teleconnection in the SST footprint of Atlantic multidecadal oscillation over western Pacific. <i>Climate Dynamics</i> , 2021, 57, 239-252.	3.8	13
9	Evolving AMOC multidecadal variability under different CO2 forcings. <i>Climate Dynamics</i> , 2021, 57, 593-610.	3.8	6
10	Local and remote SST variability contribute to the westward shift of the Pacific Walker circulation during 1979-2015. <i>Geoscience Letters</i> , 2021, 8, .	3.3	6
11	Underestimated responses of Walker circulation to ENSO-related SST anomaly in atmospheric and coupled models. <i>Geoscience Letters</i> , 2021, 8, .	3.3	10
12	Rapid decline in Antarctic sea ice in recent years hints at future change. <i>Nature Geoscience</i> , 2021, 14, 460-464.	12.9	95
13	Weakened seasonality of the African rainforest precipitation in boreal winter and spring driven by tropical SST variabilities. <i>Geoscience Letters</i> , 2021, 8, .	3.3	2
14	Greenhouse warming intensifies north tropical Atlantic climate variability. <i>Science Advances</i> , 2021, 7, .	10.3	26
15	Changing El Niño-Southern Oscillation in a warming climate. <i>Nature Reviews Earth &amp; Environment</i> , 2021, 2, 628-644.	29.7	197
16	Tropical teleconnection impacts on Antarctic climate changes. <i>Nature Reviews Earth &amp; Environment</i> , 2021, 2, 680-698.	29.7	85
17	A comparison of factors that led to the extreme sea ice minima in the 21st century in the Arctic Ocean. <i>Journal of Climate</i> , 2021, , 1-56.	3.2	9
18	Dependence of regional ocean heat uptake on anthropogenic warming scenarios. <i>Science Advances</i> , 2020, 6, .	10.3	34

#	ARTICLE	IF	CITATIONS
19	Synergy of Satellite- and Ground-Based Aerosol Optical Depth Measurements Using an Ensemble Kalman Filter Approach. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031884.	3.3	11
20	Understanding the Seasonal Cycle of Antarctic Sea Ice Extent in the Context of Longer-Term Variability. <i>Reviews of Geophysics</i> , 2019, 57, 1037-1064.	23.0	55
21	Pantropical climate interactions. <i>Science</i> , 2019, 363, .	12.6	419
22	Organic tracers from biomass burning in snow from the coast to the ice sheet summit of East Antarctica. <i>Atmospheric Environment</i> , 2019, 201, 231-241.	4.1	19
23	Increasing occurrence of cold and warm extremes during the recent global warming slowdown. <i>Nature Communications</i> , 2018, 9, 1724.	12.8	165
24	The strengthening of Amazonian precipitation during the wet season driven by tropical sea surface temperature forcing. <i>Environmental Research Letters</i> , 2018, 13, 094015.	5.2	51
25	Atlantic effects on recent decadal trends in global monsoon. <i>Climate Dynamics</i> , 2017, 49, 3443-3455.	3.8	32
26	Reducing multisensor monthly mean aerosol optical depth uncertainty: 2. Optimal locations for potential ground observation deployments. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 3920-3928.	3.3	5
27	Tropical Ocean Contributions to California's Surprisingly Dry El Niño of 2015/16. <i>Journal of Climate</i> , 2017, 30, 10067-10079.	3.2	29
28	Modulation of Bjerknes feedback on the decadal variations in ENSO predictability. <i>Geophysical Research Letters</i> , 2016, 43, 12,560.	4.0	32
29	Reducing multisensor satellite monthly mean aerosol optical depth uncertainty: 1. Objective assessment of current AERONET locations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 13609-13627.	3.3	19
30	Atlantic-induced pan-tropical climate change over the past three decades. <i>Nature Climate Change</i> , 2016, 6, 275-279.	18.8	330
31	Rossby Waves Mediate Impacts of Tropical Oceans on West Antarctic Atmospheric Circulation in Austral Winter. <i>Journal of Climate</i> , 2015, 28, 8151-8164.	3.2	53
32	A Rossby Wave Bridge from the Tropical Atlantic to West Antarctica. <i>Journal of Climate</i> , 2015, 28, 2256-2273.	3.2	72
33	Impacts of the north and tropical Atlantic Ocean on the Antarctic Peninsula and sea ice. <i>Nature</i> , 2014, 505, 538-542.	27.8	238
34	The impact of mean dynamic topography on a sea-level anomaly assimilation in the South China Sea based on an eddy-resolving model. <i>Acta Oceanologica Sinica</i> , 2012, 31, 11-25.	1.0	11
35	Evaluation of an ocean data assimilation system for Chinese marginal seas with a focus on the South China Sea. <i>Chinese Journal of Oceanology and Limnology</i> , 2011, 29, 414-426.	0.7	6
36	A Model-Based Observation-Thinning Scheme for the Assimilation of High-Resolution SST in the Shelf and Coastal Seas around China. <i>Journal of Atmospheric and Oceanic Technology</i> , 2010, 27, 1044-1058.	1.3	19