Xi-Chen Li

List of Publications by Year
in descending order

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	Pantropical climate interactions. Science, 2019, 363, .	12.6	419
2	Atlantic-induced pan-tropical climate change over the past three decades. Nature Climate Change, 2016, 6, 275-279.	18.8	330
3	Impacts of the north and tropical Atlantic Ocean on the Antarctic Peninsula and sea ice. Nature, 2014, 505, 538-542.	27.8	238
4	Changing El NiÃ±oâ€“Southern Oscillation in a warming climate. Nature Reviews Earth & Environment, 2021, 2, 628-644.	29.7	197
5	Increasing occurrence of cold and warm extremes during the recent global warming slowdown. Nature Communications, 2018, 9, 1724.	12.8	165
6	Rapid decline in Antarctic sea ice in recent years hints at future change. Nature Geoscience, 2021, 14, 460-464.	12.9	95
7	Tropical teleconnection impacts on Antarctic climate changes. Nature Reviews Earth & Environment, 2021, 2, 680-698.	29.7	85
8	A Rossby Wave Bridge from the Tropical Atlantic to West Antarctica. Journal of Climate, 2015, 28, 2256-2273.	3.2	72
9	Understanding the Seasonal Cycle of Antarctic Sea Ice Extent in the Context of Longerâ€Term Variability. Reviews of Geophysics, 2019, 57, 1037-1064.	23.0	55
10	Rossby Waves Mediate Impacts of Tropical Oceans on West Antarctic Atmospheric Circulation in Austral Winter. Journal of Climate, 2015, 28, 8151-8164.	3.2	53
11	The strengthening of Amazonian precipitation during the wet season driven by tropical sea surface temperature forcing. Environmental Research Letters, 2018, 13, 094015.	5.2	51
12	Dependence of regional ocean heat uptake on anthropogenic warming scenarios. Science Advances, 2020, 6, .	10.3	34
13	Modulation of Bjerknes feedback on the decadal variations in ENSO predictability. Geophysical Research Letters, 2016, 43, 12,560.	4.0	32
14	Atlantic effects on recent decadal trends in global monsoon. Climate Dynamics, 2017, 49, 3443-3455.	3.8	32
15	Tropical Ocean Contributions to Californiaâ€™s Surprisingly Dry El NiÃ±o of 2015/16. Journal of Climate, 2017, 30, 10067-10079.	3.2	29
16	Greenhouse warming intensifies north tropical Atlantic climate variability. Science Advances, 2021, 7, .	10.3	26
17	Sea ice loss of the Barents-Kara Sea enhances the winter warming over the Tibetan Plateau. Npj Climate and Atmospheric Science, 2022, 5, .	6.8	22
18	A Model-Based Observation-Thinning Scheme for the Assimilation of High-Resolution SST in the Shelf and Coastal Seas around China. Journal of Atmospheric and Oceanic Technology, 2010, 27, 1044-1058.	1.3	19

#	Article	IF	Citations
19	Reducing multisensor satellite monthly mean aerosol optical depth uncertainty: 1. Objective assessment of current AERONET locations. Journal of Geophysical Research D: Atmospheres, 2016, 121, 13609-13627.	3.3	19
20	Organic tracers from biomass burning in snow from the coast to the ice sheet summit of East Antarctica. Atmospheric Environment, 2019, 201, 231-241.	4.1	19
21	A new localization implementation scheme for ensemble data assimilation of non-local observations. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 63, 244.	1.7	13
22	The importance of interâ€basin atmospheric teleconnection in the SST footprint of Atlantic multidecadal oscillation over western Pacific. Climate Dynamics, 2021, 57, 239-252.	3.8	13
23	The impact of mean dynamic topography on a sea-level anomaly assimilation in the South China Sea based on an eddy-resolving model. Acta Oceanologica Sinica, 2012, 31, 11-25.	1.0	11
24	Synergy of Satelliteâ€•and Groundâ€Based Aerosol Optical Depth Measurements Using an Ensemble Kalman Filter Approach. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031884.	3.3	11
25	Underestimated responses of Walker circulation to ENSO-related SST anomaly in atmospheric and coupled models. Geoscience Letters, 2021, 8, .	3.3	10
26	A comparison of factors that led to the extreme sea ice minima in the 21st century in the Arctic Ocean. Journal of Climate, 2021, , 1-56.	3.2	9
27	Asymmetric Impacts of El NiÃ±o and La NiÃ±a on the Pacificâ€“South America Teleconnection Pattern. Journal of Climate, 2022, 35, 1825-1838.	3.2	9
28	Remote Influence of the Midlatitude South Atlantic Variability in Spring on Antarctic Summer Sea Ice. Geophysical Research Letters, 2021, 48, .	4.0	8
29	Two Types of the East Asian Cold Surge and Their Impacts on El NiÃ±o. Geophysical Research Letters, 2022, 49, .	4.0	8
30	Evaluation of an ocean data assimilation system for Chinese marginal seas with a focus on the South China Sea. Chinese Journal of Oceanology and Limnology, 2011, 29, 414-426.	0.7	6
31	Evolving AMOC multidecadal variability under different CO2 forcings. Climate Dynamics, 2021, 57, 593-610.	3.8	6
32	Local and remote SST variability contribute to the westward shift of the Pacific Walker circulation during 1979â€“2015. Geoscience Letters, 2021, 8, .	3.3	6
33	Reducing multisensor monthly mean aerosol optical depth uncertainty: 2. Optimal locations for potential ground observation deployments. Journal of Geophysical Research D: Atmospheres, 2017, 122, 3920-3928.	3.3	5
34	Impact of Local Atmospheric Intraseasonal Variability on Mean Sea Ice State in the Arctic Ocean. Journal of Climate, 2022, 35, 1559-1575.	3.2	3
35	Weakened seasonality of the African rainforest precipitation in boreal winter and spring driven by tropical SST variabilities. Geoscience Letters, 2021, 8, .	3.3	2
36	Topography-mediated Transport of Warm Deep Water across the Continental Shelf Slope, East Antarctica. Journal of Physical Oceanography, 2022, , .	1.7	2