Marilyn N Raphael

List of Publications by Year
in descending order

33 papers	1,478 citations	331670 21 h-index	414414 32 g-index
38 all docs	38 docs citations	38 times ranked	2230 citing authors

#	Article	IF	Citations
1	A regime shift in seasonal total Antarctic sea ice extent in the twentieth century. Nature Climate Change, 2022, 12, 54-62.	18.8	30
2	A new record minimum for Antarctic sea ice. Nature Reviews Earth & Environment, 2022, 3, 215-216.	29.7	34
3	Rapid decline in Antarctic sea ice in recent years hints at future change. Nature Geoscience, 2021, 14, 460-464.	12.9	95
4	Tropical teleconnection impacts on Antarctic climate changes. Nature Reviews Earth & Environment, 2021, 2, 680-698.	29.7	85
5	Eighteen-year record of circum-Antarctic landfast-sea-ice distribution allows detailed baseline characterisation and reveals trends and variability. Cryosphere, 2021, 15, 5061-5077.	3.9	28
6	Global Drivers on Southern Ocean Ecosystems: Changing Physical Environments and Anthropogenic Pressures in an Earth System. Frontiers in Marine Science, 2020, 7, .	2.5	79
7	An Assessment of the Temporal Variability in the Annual Cycle of Daily Antarctic Sea Ice in the NCAR Community Earth System Model, Version 2: A Comparison of the Historical Runs With Observations. Journal of Geophysical Research: Oceans, 2020, 125, e2020JC016459.	2.6	7
8	Recent climate trends. , 2020, , 241-257.		1
9	Preface to the Special Issue on Antarctic Meteorology and Climate: Past, Present and Future. Advances in Atmospheric Sciences, 2020, 37, 421-422.	4.3	1
10	Antarctic Sea Ice Area in CMIP6. Geophysical Research Letters, 2020, 47, e2019GL086729.	4.0	129
11	Modeling the annual cycle of daily Antarctic sea ice extent. Cryosphere, 2020, 14, 2159-2172.	3.9	23
12	Links between the Amundsen Sea Low and sea ice in the Ross Sea: seasonal and interannual relationships. Climate Dynamics, 2019, 52, 2333-2349.	3.8	18
13	Sustained Antarctic Research: A 21st Century Imperative. One Earth, 2019, 1, 95-113.	6.8	54
14	Towards operational predictions of the near-term climate. Nature Climate Change, 2019, 9, 94-101.	18.8	116
15	Back to the Future: Using Long-Term Observational and Paleo-Proxy Reconstructions to Improve Model Projections of Antarctic Climate. Geosciences (Switzerland), 2019, 9, 255.	2.2	27
16	The Regional, Seasonal, and Lagged Influence of the Amundsen Sea Low on Antarctic Sea Ice. Geophysical Research Letters, 2018, 45, 11,227.	4.0	22
17	Atmospheric influences on the anomalous 2016 Antarctic sea ice decay. Cryosphere, 2018, 12, 1103-1119.	3.9	106
18	Springtime winds drive Ross Sea ice variability and change in the following autumn. Nature Communications, 2017, 8, 731.	12.8	40

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19	Stratospheric Ozone Depletion: An Unlikely Driver of the Regional Trends in Antarctic Sea Ice in Austral Fall in the Late Twentieth Century. Geophysical Research Letters, 2017, 44, 11,062.	4.0	24
20	Assessing recent trends in high-latitude Southern Hemisphere surface climate. Nature Climate Change, 2016, 6, 917-926.	18.8	253
21	Precipitation and synoptic regime in two extreme years 2009 and 2010 at Dome C, Antarctica â€“ implications for ice core interpretation. Atmospheric Chemistry and Physics, 2016, 16, 4757-4770.	4.9	26
22	New Perspectives on Observed and Simulated Antarctic Sea Ice Extent Trends Using Optimal Fingerprinting Techniques*. Journal of Climate, 2015, 28, 1543-1560.	3.2	42
23	The influence of the largeâ€scale atmospheric circulation on Antarctic sea ice during ice advance and retreat seasons. Geophysical Research Letters, 2014, 41, 5037-5045.	4.0	58
24	Characterizing the zonally asymmetric component of the SH circulation. Climate Dynamics, 2010, 35, 859-873.	3.8	23
25	Twentieth century simulation of the southern hemisphere climate in coupled models. Part 1: large scale circulation variability. Climate Dynamics, 2006, 26, 217-228.	3.8	46
26	Twentieth century simulation of the southern hemisphere climate in coupled models. Part II: sea ice conditions and variability. Climate Dynamics, 2006, 26, 229-245.	3.8	53
27	A possible influence of the tropical quasiâ€biennial oscillation on the variability of the extratropical circulation in the Southern Hemisphere. Journal of Geophysical Research, 2003, 108, .	3.3	2
28	Recent, Large-Scale Changes in the Extratropical Southern Hemisphere Atmospheric Circulation. Journal of Climate, 2003, 16, 2915-2924.	3.2	17
29	Response of the largeâ€scale, Southern Hemisphere extratropical atmospheric circulation to extremes of Antarctic seaâ€ice concentration in a general circulation model. Polar Geography, 2001, 25, 218-238.	1.9	7
30	The Role of Mid-Latitude Pacific Cyclones in the Winter Precipitation of Californiaâ^—. Professional Geographer, 1996, 48, 251-262.	1.8	16
31	COMPARISONS BETWEEN ZONAL AND MERIDIONAL EDDY SENSIBLE HEAT TRANSPORT IN THE NORTHERN HEMISPHERE WINTER. Physical Geography, 1994, 15, 516-528.	1.4	1
32	THE UNUSUAL STORMS OF FEBRUARY 1992 IN SOUTHERN CALIFORNIA. Physical Geography, 1994, 15, 442-464.	1.4	9
33	THE MERIDIONAL FLUX OF EDDY SENSIBLE HEAT AT 700 MB IN THE NORTHERN HEMISPHERE WINTER. Physical Geography, 1992, 13, 1-13.	1.4	5