

Marilyn N Raphael

List of Publications by Year in descending order

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Version: 2024-02-01

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	Assessing recent trends in high-latitude Southern Hemisphere surface climate. <i>Nature Climate Change</i> , 2016, 6, 917-926.	18.8	253
2	Antarctic Sea Ice Area in CMIP6. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086729.	4.0	129
3	Towards operational predictions of the near-term climate. <i>Nature Climate Change</i> , 2019, 9, 94-101.	18.8	116
4	Atmospheric influences on the anomalous 2016 Antarctic sea ice decay. <i>Cryosphere</i> , 2018, 12, 1103-1119.	3.9	106
5	Rapid decline in Antarctic sea ice in recent years hints at future change. <i>Nature Geoscience</i> , 2021, 14, 460-464.	12.9	95
6	Tropical teleconnection impacts on Antarctic climate changes. <i>Nature Reviews Earth & Environment</i> , 2021, 2, 680-698.	29.7	85
7	Global Drivers on Southern Ocean Ecosystems: Changing Physical Environments and Anthropogenic Pressures in an Earth System. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	79
8	The influence of the large-scale atmospheric circulation on Antarctic sea ice during ice advance and retreat seasons. <i>Geophysical Research Letters</i> , 2014, 41, 5037-5045.	4.0	58
9	Sustained Antarctic Research: A 21st Century Imperative. <i>One Earth</i> , 2019, 1, 95-113.	6.8	54
10	Twentieth century simulation of the southern hemisphere climate in coupled models. Part II: sea ice conditions and variability. <i>Climate Dynamics</i> , 2006, 26, 229-245.	3.8	53
11	Twentieth century simulation of the southern hemisphere climate in coupled models. Part 1: large scale circulation variability. <i>Climate Dynamics</i> , 2006, 26, 217-228.	3.8	46
12	New Perspectives on Observed and Simulated Antarctic Sea Ice Extent Trends Using Optimal Fingerprinting Techniques*. <i>Journal of Climate</i> , 2015, 28, 1543-1560.	3.2	42
13	Springtime winds drive Ross Sea ice variability and change in the following autumn. <i>Nature Communications</i> , 2017, 8, 731.	12.8	40
14	A new record minimum for Antarctic sea ice. <i>Nature Reviews Earth & Environment</i> , 2022, 3, 215-216.	29.7	34
15	A regime shift in seasonal total Antarctic sea ice extent in the twentieth century. <i>Nature Climate Change</i> , 2022, 12, 54-62.	18.8	30
16	Eighteen-year record of circum-Antarctic landfast-sea-ice distribution allows detailed baseline characterisation and reveals trends and variability. <i>Cryosphere</i> , 2021, 15, 5061-5077.	3.9	28
17	Back to the Future: Using Long-Term Observational and Paleo-Proxy Reconstructions to Improve Model Projections of Antarctic Climate. <i>Geosciences (Switzerland)</i> , 2019, 9, 255.	2.2	27
18	Precipitation and synoptic regime in two extreme years 2009 and 2010 at Dome C, Antarctica – implications for ice core interpretation. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 4757-4770.	4.9	26

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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. <i>Geophysical Research Letters</i> , 2017, 44, 11,062.	4.0	24
20	Characterizing the zonally asymmetric component of the SH circulation. <i>Climate Dynamics</i> , 2010, 35, 859-873.	3.8	23
21	Modeling the annual cycle of daily Antarctic sea ice extent. <i>Cryosphere</i> , 2020, 14, 2159-2172.	3.9	23
22	The Regional, Seasonal, and Lagged Influence of the Amundsen Sea Low on Antarctic Sea Ice. <i>Geophysical Research Letters</i> , 2018, 45, 11,227.	4.0	22
23	Links between the Amundsen Sea Low and sea ice in the Ross Sea: seasonal and interannual relationships. <i>Climate Dynamics</i> , 2019, 52, 2333-2349.	3.8	18
24	Recent, Large-Scale Changes in the Extratropical Southern Hemisphere Atmospheric Circulation. <i>Journal of Climate</i> , 2003, 16, 2915-2924.	3.2	17
25	The Role of Mid-Latitude Pacific Cyclones in the Winter Precipitation of California— . <i>Professional Geographer</i> , 1996, 48, 251-262.	1.8	16
26	THE UNUSUAL STORMS OF FEBRUARY 1992 IN SOUTHERN CALIFORNIA. <i>Physical Geography</i> , 1994, 15, 442-464.	1.4	9
27	Response of the large-scale, Southern Hemisphere extratropical atmospheric circulation to extremes of Antarctic sea-ice concentration in a general circulation model. <i>Polar Geography</i> , 2001, 25, 218-238.	1.9	7
28	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. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2020JC016459.	2.6	7
29	THE MERIDIONAL FLUX OF EDDY SENSIBLE HEAT AT 700 MB IN THE NORTHERN HEMISPHERE WINTER. <i>Physical Geography</i> , 1992, 13, 1-13.	1.4	5
30	A possible influence of the tropical quasi-biennial oscillation on the variability of the extratropical circulation in the Southern Hemisphere. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	2
31	COMPARISONS BETWEEN ZONAL AND MERIDIONAL EDDY SENSIBLE HEAT TRANSPORT IN THE NORTHERN HEMISPHERE WINTER. <i>Physical Geography</i> , 1994, 15, 516-528.	1.4	1
32	Recent climate trends. , 2020, , 241-257.		1
33	Preface to the Special Issue on Antarctic Meteorology and Climate: Past, Present and Future. <i>Advances in Atmospheric Sciences</i> , 2020, 37, 421-422.	4.3	1