

# Claire L Parkinson

## List of Publications by Year in descending order

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83  
papers

10,762  
citations

66343

42  
h-index

71685

76  
g-index

85  
all docs

85  
docs citations

85  
times ranked

8084  
citing authors

#	ARTICLE	IF	CITATIONS
1	Accelerated decline in the Arctic sea ice cover. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	1,368
2	Recent Rapid Regional Climate Warming on the Antarctic Peninsula. <i>Climatic Change</i> , 2003, 60, 243-274.	3.6	1,009
3	A large-scale numerical model of sea ice. <i>Journal of Geophysical Research</i> , 1979, 84, 311-337.	3.3	716
4	Arctic sea ice extents, areas, and trends, 1978-1996. <i>Journal of Geophysical Research</i> , 1999, 104, 20837-20856.	3.3	553
5	Arctic sea ice variability and trends, 1979-2010. <i>Cryosphere</i> , 2012, 6, 881-889.	3.9	489
6	Antarctic sea ice variability and trends, 1979-2010. <i>Cryosphere</i> , 2012, 6, 871-880.	3.9	413
7	On the 2012 record low Arctic sea ice cover: Combined impact of preconditioning and an August storm. <i>Geophysical Research Letters</i> , 2013, 40, 1356-1361.	4.0	391
8	Passive microwave algorithms for sea ice concentration: A comparison of two techniques. <i>Remote Sensing of Environment</i> , 1997, 60, 357-384.	11.0	386
9	A 40-y record reveals gradual Antarctic sea ice increases followed by decreases at rates far exceeding the rates seen in the Arctic. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 14414-14423.	7.1	351
10	Observed Hemispheric Asymmetry in Global Sea Ice Changes. <i>Science</i> , 1997, 278, 1104-1106.	12.6	346
11	Global Warming and Northern Hemisphere Sea Ice Extent. <i>Science</i> , 1999, 286, 1934-1937.	12.6	345
12	Aqua: an earth-observing satellite mission to examine water and other climate variables. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2003, 41, 173-183.	6.3	342
13	Variability of Antarctic sea ice 1979-1998. <i>Journal of Geophysical Research</i> , 2002, 107, 9-1.	3.3	325
14	Deriving long-term time series of sea ice cover from satellite passive-microwave multisensor data sets. <i>Journal of Geophysical Research</i> , 1999, 104, 15803-15814.	3.3	300
15	Arctic sea ice variability and trends, 1979-2006. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	257
16	30-Year satellite record reveals contrasting Arctic and Antarctic decadal sea ice variability. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	238
17	The Role of Sea Ice in 2 <sup>nd</sup> -CO <sub>2</sub> Climate Model Sensitivity. Part I: The Total Influence of Sea Ice Thickness and Extent. <i>Journal of Climate</i> , 1995, 8, 449-463.	3.2	168
18	Variability of Antarctic Sea Ice: and Changes in Carbon Dioxide. <i>Science</i> , 1983, 220, 1005-1012.	12.6	158

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19	Trends in the length of the Southern Ocean sea-ice season, 1979–99. <i>Annals of Glaciology</i> , 2002, 34, 435-440.	1.4	154
20	Southern Ocean sea ice and its wider linkages: insights revealed from models and observations. <i>Antarctic Science</i> , 2004, 16, 387-400.	0.9	125
21	Satellite-Observed Changes in the Arctic. <i>Physics Today</i> , 2004, 57, 38-44.	0.3	113
22	A 21 year record of Arctic sea-ice extents and their regional, seasonal and monthly variability and trends. <i>Annals of Glaciology</i> , 2002, 34, 441-446.	1.4	112
23	On the relationship between atmospheric circulation and the fluctuations in the sea ice extents of the Bering and Okhotsk Seas. <i>Journal of Geophysical Research</i> , 1987, 92, 7141-7162.	3.3	110
24	Spatially mapped reductions in the length of the Arctic sea ice season. <i>Geophysical Research Letters</i> , 2014, 41, 4316-4322.	4.0	105
25	Arctic sea ice 1973–1987: Seasonal, regional, and interannual variability. <i>Journal of Geophysical Research</i> , 1989, 94, 14499-14523.	3.3	98
26	Variability of Arctic Sea Ice: The View from Space, An 18-year Record. <i>Arctic</i> , 2000, 53, .	0.4	88
27	Intersensor Calibration Between F13 SSIM and F17 SSMIS for Global Sea Ice Data Records. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2012, 9, 233-236.	3.1	86
28	Responding to climate change: Adèle Penguins confront astronomical and ocean boundaries. <i>Ecology</i> , 2010, 91, 2056-2069.	3.2	76
29	Large-Scale Variations in Observed Antarctic Sea Ice Extent and Associated Atmospheric Circulation. <i>Monthly Weather Review</i> , 1981, 109, 2323-2336.	1.4	72
30	Global Sea Ice Coverage from Satellite Data: Annual Cycle and 35-Yr Trends. <i>Journal of Climate</i> , 2014, 27, 9377-9382.	3.2	71
31	New visualizations highlight new information on the contrasting Arctic and Antarctic sea-ice trends since the late 1970s. <i>Remote Sensing of Environment</i> , 2016, 183, 198-204.	11.0	66
32	On the Development of a Seasonal Change Sea-Ice Model. <i>Journal of Physical Oceanography</i> , 1976, 6, 679-685.	1.7	62
33	Arctic sea ice decay simulated for a CO <sub>2</sub> -induced temperature rise. <i>Climatic Change</i> , 1979, 2, 149-162.	3.6	61
34	Analysis of seasonal cycles in climatic trends with application to satellite observations of sea ice extent. <i>Geophysical Research Letters</i> , 2002, 29, 2411-2414.	4.0	61
35	On the Development and Cause of the Weddell Polynya in a Sea Ice Simulation. <i>Journal of Physical Oceanography</i> , 1983, 13, 501-511.	1.7	55
36	Antarctic sea ice parameters from AMSR-E data using two techniques and comparisons with sea ice from SSM/I. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	50

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37	Spatial patterns in the length of the sea ice season in the Southern Ocean, 1979–1986. <i>Journal of Geophysical Research</i> , 1994, 99, 16327.	3.3	49
38	The Impact of the Siberian High and Aleutian Low on the Sea-Ice Cover of the Sea of Okhotsk. <i>Annals of Glaciology</i> , 1990, 14, 226-229.	1.4	47
39	Spatial patterns of increases and decreases in the length of the sea ice season in the north polar region, 1979–1986. <i>Journal of Geophysical Research</i> , 1992, 97, 14377-14388.	3.3	47
40	The movement and decay of ice edge bands in the winter Bering Sea. <i>Journal of Geophysical Research</i> , 1983, 88, 2803-2812.	3.3	46
41	Spatial distribution of trends and seasonally in the hemispheric sea ice covers: 1978-1996. <i>Journal of Geophysical Research</i> , 1999, 104, 20827-20835.	3.3	46
42	Sea ice extents continue to set new records: Arctic, Antarctic, and global results. <i>Remote Sensing of Environment</i> , 2021, 267, 112753.	11.0	46
43	On the seasonal sea ice cover of the Sea of Okhotsk. <i>Journal of Geophysical Research</i> , 1983, 88, 2793-2802.	3.3	43
44	The Impact of Sea Ice Concentration Accuracies on Climate Model Simulations with the GISS GCM. <i>Journal of Climate</i> , 2001, 14, 2606-2623.	3.2	41
45	Decadal trends in abundance, size and condition of Antarctic toothfish in McMurdo Sound, Antarctica, 1972-2011. <i>Fish and Fisheries</i> , 2013, 14, 343-363.	5.3	41
46	Interannual variability of the spatial distribution of sea ice in the north polar region. <i>Journal of Geophysical Research</i> , 1991, 96, 4791-4801.	3.3	40
47	Northern Hemisphere sea ice variability: lag structure and its implications. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2007, 59, 261-272.	1.7	40
48	Space-Based Observations for Understanding Changes in the Arctic Boreal Zone. <i>Reviews of Geophysics</i> , 2020, 58, e2019RG000652.	23.0	39
49	Evaluation of the simulation of the annual cycle of Arctic and Antarctic sea ice coverages by 11 major global climate models. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	37
50	Interannual variability of monthly Southern Ocean sea ice distributions. <i>Journal of Geophysical Research</i> , 1992, 97, 5349-5363.	3.3	36
51	Late Pleistocene variations in Antarctic sea ice II: effect of interhemispheric deep-ocean heat exchange. <i>Climate Dynamics</i> , 1988, 3, 93-103.	3.8	34
52	The Role of sea ice in 2 <sup>nd</sup> -CO <sub>2</sub> climate model sensitivity: Part II: Hemispheric dependencies. <i>Geophysical Research Letters</i> , 1997, 24, 1491-1494.	4.0	32
53	Search for the Little Ice Age in Southern Ocean Sea-Ice Records. <i>Annals of Glaciology</i> , 1990, 14, 221-225.	1.4	29
54	The Impact of the Siberian High and Aleutian Low on the Sea-Ice Cover of the Sea of Okhotsk. <i>Annals of Glaciology</i> , 1990, 14, 226-229.	1.4	29

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55	Arctic sea ice parameters from AMSR data using two techniques and comparisons with sea ice from SSM/I. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	28
56	Summarizing the First Ten Years of NASA's Aqua Mission. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2013, 6, 1179-1188.	4.9	25
57	Recent sea-ice advances in Baffin Bay/Davis Strait and retreats in the Bellingshausen Sea. <i>Annals of Glaciology</i> , 1995, 21, 348-352.	1.4	24
58	Recent trend reversals in arctic sea ice extents: Possible connections to the North Atlantic Oscillation. <i>Polar Geography</i> , 2000, 24, 1-12.	1.9	24
59	A model assessment of satellite observed trends in polar sea ice extents. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	22
60	REDUCTIONS OF NOISE AND UNCERTAINTY IN ANNUAL GLOBAL SURFACE TEMPERATURE ANOMALY DATA. <i>Advances in Adaptive Data Analysis</i> , 2009, 01, 447-460.	0.6	21
61	Environmental variation and cohort effects in an Antarctic predator. <i>Oikos</i> , 2012, 121, 1027-1040.	2.7	19
62	Earth's Cryosphere: Current State and Recent Changes. <i>Annual Review of Environment and Resources</i> , 2006, 31, 33-60.	13.4	18
63	Late Pleistocene variations in Antarctic sea ice I: effect of orbital insolation changes. <i>Climate Dynamics</i> , 1988, 3, 85-91.	3.8	17
64	Response of Antarctic sea ice to uniform atmospheric temperature increases. <i>Geophysical Monograph Series</i> , 1984, , 254-264.	0.1	15
65	Moisture fluxes derived from EOS aqua satellite data for the north water polynya over 2003-2009. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	15
66	Interannual Sea-Ice Variations and Sea-Ice/Atmosphere Interactions in the Southern Ocean, 1973-1975. <i>Annals of Glaciology</i> , 1982, 3, 249-254.	1.4	13
67	Bellingshausen Sea ice extent recorded in an Antarctic Peninsula ice core. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 13,886.	3.3	13
68	Dangers of multiyear averaging in analyses of long-term climate trends. <i>Climate Dynamics</i> , 1989, 4, 39-44.	3.8	9
69	Length of the Sea Ice Season in the Southern Ocean, 1988-1994. <i>Antarctic Research Series</i> , 2013, , 173-186.	0.2	9
70	On the value of long-term satellite passive microwave data sets for sea ice/climate studies. <i>Geo Journal</i> , 1989, 18, 9-20.	3.1	8
71	Sea Ice Simulations Based on Fields Generated by the GLAS GCM. <i>Monthly Weather Review</i> , 1980, 108, 2080-2091.	1.4	7
72	Recent trend reversals in arctic sea ice extents: possible connections to the north Atlantic oscillation. <i>Polar Geography</i> , 2008, 31, 3-14.	1.9	7

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73	Wintertime Microwave Observations of the North Water Polynya. , 1981, , 839-844.		7
74	Southern Ocean sea-ice distributions and extents. Philosophical Transactions of the Royal Society B: Biological Sciences, 1992, 338, 243-250.	4.0	6
75	Changed prevalence, not absence, explains toothfish status in McMurdo Sound. Antarctic Science, 2017, 29, 165-171.	0.9	4
76	Foreword to the EOS aqua special issue. IEEE Transactions on Geoscience and Remote Sensing, 2003, 41, 172-172.	6.3	3
77	Correction to "Evaluation of the simulation of the annual cycle of Arctic and Antarctic sea ice coverages by 11 major global climate models". Journal of Geophysical Research, 2006, 111, .	3.3	3
78	Correction to "Analysis of seasonal cycles in climatic trends with application to satellite observations of sea ice extent" by Konstantin Y. Vinnikov, Alan Robock, Donald J. Cavalier and Claire L. Parkinson. Geophysical Research Letters, 2002, 29, 45-1.	4.0	1
79	Ambivalence in Alternating Symmetric Groups. American Mathematical Monthly, 1973, 80, 190.	0.3	0
80	Coastline Changes from Melting Ice Sheets. Physics Today, 2005, 58, 12-12.	0.3	0
81	Correction to "A model assessment of satellite observed trends in polar sea ice extents". Geophysical Research Letters, 2006, 33, .	4.0	0
82	Aqua's first 10 years: An overview. , 2012, , .		0
83	Women in Geoscience: an interview with Claire Parkinson. Cogent Geoscience, 2018, 4, 1434593.	0.6	0