

Claire L Parkinson

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/828056/publications.pdf>

Version: 2024-02-01

83
papers

10,762
citations

76031

42
h-index

81351

76
g-index

85
all docs

85
docs citations

85
times ranked

9027
citing authors

#	ARTICLE	IF	CITATIONS
1	Sea ice extents continue to set new records: Arctic, Antarctic, and global results. <i>Remote Sensing of Environment</i> , 2021, 267, 112753.	4.6	46
2	Space-Based Observations for Understanding Changes in the Arctic-Boreal Zone. <i>Reviews of Geophysics</i> , 2020, 58, e2019RG000652.	9.0	39
3	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.	3.3	351
4	Women in Geoscience: an interview with Claire Parkinson. <i>Cogent Geoscience</i> , 2018, 4, 1434593.	0.6	0
5	Changed prevalence, not absence, explains toothfish status in McMurdo Sound. <i>Antarctic Science</i> , 2017, 29, 165-171.	0.5	4
6	Bellingshausen Sea ice extent recorded in an Antarctic Peninsula ice core. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 13,886.	1.2	13
7	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.	4.6	66
8	Global Sea Ice Coverage from Satellite Data: Annual Cycle and 35-Yr Trends. <i>Journal of Climate</i> , 2014, 27, 9377-9382.	1.2	71
9	Spatially mapped reductions in the length of the Arctic sea ice season. <i>Geophysical Research Letters</i> , 2014, 41, 4316-4322.	1.5	105
10	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.	2.7	41
11	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.	2.3	25
12	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.	1.5	391
13	Length of the Sea Ice Season in the Southern Ocean, 1988-1994. <i>Antarctic Research Series</i> , 2013, , 173-186.	0.2	9
14	Antarctic sea ice variability and trends, 1979-2010. <i>Cryosphere</i> , 2012, 6, 871-880.	1.5	413
15	Arctic sea ice variability and trends, 1979-2010. <i>Cryosphere</i> , 2012, 6, 881-889.	1.5	489
16	Aqua's first 10 years: An overview. , 2012, , .		0
17	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
18	Environmental variation and cohort effects in an Antarctic predator. <i>Oikos</i> , 2012, 121, 1027-1040.	1.2	19

#	ARTICLE	IF	CITATIONS
19	Intersensor Calibration Between F13 SSIM and F17 SSIM for Global Sea Ice Data Records. IEEE Geoscience and Remote Sensing Letters, 2012, 9, 233-236.	1.4	86
20	Responding to climate change: Ad�lie Penguins confront astronomical and ocean boundaries. Ecology, 2010, 91, 2056-2069.	1.5	76
21	REDUCTIONS OF NOISE AND UNCERTAINTY IN ANNUAL GLOBAL SURFACE TEMPERATURE ANOMALY DATA. Advances in Adaptive Data Analysis, 2009, 01, 447-460.	0.6	21
22	Antarctic sea ice parameters from AMSR� data using two techniques and comparisons with sea ice from SSM/I. Journal of Geophysical Research, 2008, 113, .	3.3	50
23	Arctic sea ice parameters from AMSR� data using two techniques and comparisons with sea ice from SSM/I. Journal of Geophysical Research, 2008, 113, .	3.3	28
24	Arctic sea ice variability and trends, 1979�2006. Journal of Geophysical Research, 2008, 113, .	3.3	257
25	Accelerated decline in the Arctic sea ice cover. Geophysical Research Letters, 2008, 35, .	1.5	1,368
26	Recent trend reversals in arctic sea ice extents: possible connections to the north Atlantic oscillation. Polar Geography, 2008, 31, 3-14.	0.8	7
27	Northern Hemisphere sea ice variability: lag structure and its implications. Tellus, Series A: Dynamic Meteorology and Oceanography, 2007, 59, 261-272.	0.8	40
28	Earth's Cryosphere: Current State and Recent Changes. Annual Review of Environment and Resources, 2006, 31, 33-60.	5.6	18
29	A model assessment of satellite observed trends in polar sea ice extents. Geophysical Research Letters, 2006, 33, .	1.5	22
30	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	37
31	Correction to ��A model assessment of satellite observed trends in polar sea ice extents��. Geophysical Research Letters, 2006, 33, .	1.5	0
32	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
33	Coastline Changes from Melting Ice Sheets. Physics Today, 2005, 58, 12-12.	0.3	0
34	Southern Ocean sea ice and its wider linkages: insights revealed from models and observations. Antarctic Science, 2004, 16, 387-400.	0.5	125
35	Satellite-Observed Changes in the Arctic. Physics Today, 2004, 57, 38-44.	0.3	113
36	Recent Rapid Regional Climate Warming on the Antarctic Peninsula. Climatic Change, 2003, 60, 243-274.	1.7	1,009

#	ARTICLE	IF	CITATIONS
37	30-Year satellite record reveals contrasting Arctic and Antarctic decadal sea ice variability. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	238
38	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.	2.7	342
39	Foreword to the EOS aqua special issue. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2003, 41, 172-172.	2.7	3
40	Trends in the length of the Southern Ocean sea-ice season, 1979â€“99. <i>Annals of Glaciology</i> , 2002, 34, 435-440.	2.8	154
41	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.	2.8	112
42	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. <i>Geophysical Research Letters</i> , 2002, 29, 45-1.	1.5	1
43	Variability of Antarctic sea ice 1979â€“1998. <i>Journal of Geophysical Research</i> , 2002, 107, 9-1.	3.3	325
44	Analysis of seasonal cycles in climatic trends with application to satellite observations of sea ice extent. <i>Geophysical Research Letters</i> , 2002, 29, 24-1-24-4.	1.5	61
45	The Impact of Sea Ice Concentration Accuracies on Climate Model Simulations with the GISS GCM. <i>Journal of Climate</i> , 2001, 14, 2606-2623.	1.2	41
46	Recent trend reversals in arctic sea ice extents: Possible connections to the North Atlantic Oscillation1. <i>Polar Geography</i> , 2000, 24, 1-12.	0.8	24
47	Variability of Arctic Sea Ice: The View from Space, An 18-year Record. <i>Arctic</i> , 2000, 53, .	0.2	88
48	Global Warming and Northern Hemisphere Sea Ice Extent. <i>Science</i> , 1999, 286, 1934-1937.	6.0	345
49	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
50	Arctic sea ice extents, areas, and trends, 1978-1996. <i>Journal of Geophysical Research</i> , 1999, 104, 20837-20856.	3.3	553
51	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
52	The Role of sea ice in 2Ã—CO2 climate model sensitivity: Part II: Hemispheric dependencies. <i>Geophysical Research Letters</i> , 1997, 24, 1491-1494.	1.5	32
53	Observed Hemispheric Asymmetry in Global Sea Ice Changes. <i>Science</i> , 1997, 278, 1104-1106.	6.0	346
54	Passive microwave algorithms for sea ice concentration: A comparison of two techniques. <i>Remote Sensing of Environment</i> , 1997, 60, 357-384.	4.6	386

#	ARTICLE	IF	CITATIONS
55	The Role of Sea Ice in 2 nd -CO ₂ Climate Model Sensitivity. Part I: The Total Influence of Sea Ice Thickness and Extent. <i>Journal of Climate</i> , 1995, 8, 449-463.	1.2	168
56	Recent sea-ice advances in Baffin Bay/Davis Strait and retreats in the Bellingshausen Sea. <i>Annals of Glaciology</i> , 1995, 21, 348-352.	2.8	24
57	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
58	Southern Ocean sea-ice distributions and extents. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1992, 338, 243-250.	1.8	6
59	Interannual variability of monthly Southern Ocean sea ice distributions. <i>Journal of Geophysical Research</i> , 1992, 97, 5349-5363.	3.3	36
60	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
61	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
62	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.	2.8	47
63	Search for the Little Ice Age in Southern Ocean Sea-Ice Records. <i>Annals of Glaciology</i> , 1990, 14, 221-225.	2.8	29
64	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.	2.8	29
65	On the value of long-term satellite passive microwave data sets for sea ice/climate studies. <i>Geo Journal</i> , 1989, 18, 9-20.	1.7	8
66	Dangers of multiyear averaging in analyses of long-term climate trends. <i>Climate Dynamics</i> , 1989, 4, 39-44.	1.7	9
67	Arctic sea ice 1973-1987: Seasonal, regional, and interannual variability. <i>Journal of Geophysical Research</i> , 1989, 94, 14499-14523.	3.3	98
68	Late Pleistocene variations in Antarctic sea ice I: effect of orbital insolation changes. <i>Climate Dynamics</i> , 1988, 3, 85-91.	1.7	17
69	Late Pleistocene variations in Antarctic sea ice II: effect of interhemispheric deep-ocean heat exchange. <i>Climate Dynamics</i> , 1988, 3, 93-103.	1.7	34
70	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
71	Response of Antarctic sea ice to uniform atmospheric temperature increases. <i>Geophysical Monograph Series</i> , 1984, , 254-264.	0.1	15
72	On the seasonal sea ice cover of the Sea of Okhotsk. <i>Journal of Geophysical Research</i> , 1983, 88, 2793-2802.	3.3	43

#	ARTICLE	IF	CITATIONS
73	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
74	Variability of Antarctic Sea Ice: and Changes in Carbon Dioxide. <i>Science</i> , 1983, 220, 1005-1012.	6.0	158
75	On the Development and Cause of the Weddell Polynya in a Sea Ice Simulation. <i>Journal of Physical Oceanography</i> , 1983, 13, 501-511.	0.7	55
76	Interannual Sea-Ice Variations and Sea-Ice/Atmosphere Interactions in the Southern Ocean, 1973â€“1975. <i>Annals of Glaciology</i> , 1982, 3, 249-254.	2.8	13
77	Large-Scale Variations in Observed Antarctic Sea Ice Extent and Associated Atmospheric Circulation. <i>Monthly Weather Review</i> , 1981, 109, 2323-2336.	0.5	72
78	Wintertime Microwave Observations of the North Water Polynya. , 1981, , 839-844.		7
79	Sea Ice Simulations Based on Fields Generated by the GLAS GCM. <i>Monthly Weather Review</i> , 1980, 108, 2080-2091.	0.5	7
80	Arctic sea ice decay simulated for a CO2-induced temperature rise. <i>Climatic Change</i> , 1979, 2, 149-162.	1.7	61
81	A large-scale numerical model of sea ice. <i>Journal of Geophysical Research</i> , 1979, 84, 311-337.	3.3	716
82	On the Development of a Seasonal Change Sea-Ice Model. <i>Journal of Physical Oceanography</i> , 1976, 6, 679-685.	0.7	62
83	Ambivalence in Alternating Symmetric Groups. <i>American Mathematical Monthly</i> , 1973, 80, 190.	0.2	0