

Josefino C Comiso

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2814205/publications.pdf>

Version: 2024-02-01

89
papers

11,063
citations

50170

46
h-index

60497

81
g-index

95
all docs

95
docs citations

95
times ranked

8939
citing authors

#	ARTICLE	IF	CITATIONS
1	Climate drivers of Arctic tundra variability and change using an indicators framework. Environmental Research Letters, 2021, 16, 055019.	2.2	14
2	Space-Based Observations for Understanding Changes in the Arctic-Boreal Zone. Reviews of Geophysics, 2020, 58, e2019RG000652.	9.0	39
3	Ice Surface Temperatures in the Arctic Region. , 2019, , 151-184.		4
4	Surface Temperature Interrelationships. , 2019, , 185-202.		2
5	Sea Surface Salinity Distribution in the Southern Ocean as Observed From Space. Journal of Geophysical Research: Oceans, 2019, 124, 3186-3205.	1.0	10
6	A Multilayer Surface Temperature, Surface Albedo, and Water Vapor Product of Greenland from MODIS. Remote Sensing, 2018, 10, 555.	1.8	26
7	Changing seasonality of panarctic tundra vegetation in relationship to climatic variables. Environmental Research Letters, 2017, 12, 055003.	2.2	81
8	Positive Trend in the Antarctic Sea Ice Cover and Associated Changes in Surface Temperature. Journal of Climate, 2017, 30, 2251-2267.	1.2	143
9	Satellite observed salinity distributions at high latitudes in the <sc>N</sc>orthern <sc>H</sc>emisphere: A comparison of four products. Journal of Geophysical Research: Oceans, 2017, 122, 7717-7736.	1.0	33
10	Variability and trends in the <sc>A</sc>rctic <sc>S</sc>ea ice cover: Results from different techniques. Journal of Geophysical Research: Oceans, 2017, 122, 6883-6900.	1.0	197
11	Solve Antarctica's sea-ice puzzle. Nature, 2017, 547, 275-277.	13.7	69
12	Climate Drivers Linked to Changing Seasonality of Alaska Coastal Tundra Vegetation Productivity. Earth Interactions, 2015, 19, 1-29.	0.7	34
13	The Southern Ocean ecosystem under multiple climate change stresses -an integrated circumpolar assessment. Global Change Biology, 2015, 21, 1434-1453.	4.2	190
14	Climate trends in the Arctic as observed from space. Wiley Interdisciplinary Reviews: Climate Change, 2014, 5, 389-409.	3.6	236
15	Sea Ice Concentration and Extent. Encyclopedia of Earth Sciences Series, 2014, , 727-743.	0.1	3
16	Arctic Cloud Characteristics as Derived from MODIS, CALIPSO, and CloudSat. Journal of Climate, 2013, 26, 3285-3306.	1.2	60
17	Variability in the surface temperature and melt extent of the Greenland ice sheet from MODIS. Geophysical Research Letters, 2013, 40, 2114-2120.	1.5	136
18	On the 2012 record low Arctic sea ice cover: Combined impact of preconditioning and an August storm. Geophysical Research Letters, 2013, 40, 1356-1361.	1.5	391

#	ARTICLE	IF	CITATIONS
19	Interannual Variability in Summer Sea Ice Minimum, Coastal Polynyas and Bottom Water Formation In the Weddell Sea. Antarctic Research Series, 2013, , 293-315.	0.2	30
20	Recent Declines in Warming and Vegetation Greening Trends over Pan-Arctic Tundra. Remote Sensing, 2013, 5, 4229-4254.	1.8	167
21	A Satellite-Derived Climate-Quality Data Record of the Clear-Sky Surface Temperature of the Greenland Ice Sheet. Journal of Climate, 2012, 25, 4785-4798.	1.2	60
22	Large Decadal Decline of the Arctic Multiyear Ice Cover. Journal of Climate, 2012, 25, 1176-1193.	1.2	658
23	Variability and trends in sea ice extent and ice production in the Ross Sea. Journal of Geophysical Research, 2011, 116, .	3.3	133
24	Cloud features detected by MODIS but not by CloudSat and CALIOP. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	32
25	Circumpolar Arctic Tundra Vegetation Change Is Linked to Sea Ice Decline. Earth Interactions, 2010, 14, 1-20.	0.7	332
26	Satellite Remote Sensing Techniques. Atmospheric and Oceanographic Sciences Library, 2010, , 73-111.	0.1	5
27	Polar Oceans from Space. Atmospheric and Oceanographic Sciences Library, 2010, , .	0.1	54
28	Variability of Surface Temperature and Albedo. Atmospheric and Oceanographic Sciences Library, 2010, , 223-294.	0.1	2
29	Characteristics and Variability of the Sea Ice Cover. Atmospheric and Oceanographic Sciences Library, 2010, , 295-363.	0.1	3
30	Recent Changes in Arctic Vegetation: Satellite Observations and Simulation Model Predictions. , 2010, , 9-36.		14
31	Cumulative Effects of Rapid Land-Cover and Land-Use Changes on the Yamal Peninsula, Russia. , 2010, , 207-236.		15
32	Decadal Changes, Correlations, and Trends. Atmospheric and Oceanographic Sciences Library, 2010, , 449-495.	0.1	0
33	Geophysical Parameters and Algorithms for High Latitude Applications. Atmospheric and Oceanographic Sciences Library, 2010, , 113-180.	0.1	1
34	Variability of Surface Pressure, Winds, and Clouds. Atmospheric and Oceanographic Sciences Library, 2010, , 181-221.	0.1	1
35	Variability of Phytoplankton Pigment Concentrations and Primary Productivity. Atmospheric and Oceanographic Sciences Library, 2010, , 403-447.	0.1	0
36	Polynyas and Other Polar Phenomena. Atmospheric and Oceanographic Sciences Library, 2010, , 365-402.	0.1	0

#	ARTICLE	IF	CITATIONS
37	Warming of the Antarctic ice-sheet surface since the 1957 International Geophysical Year. <i>Nature</i> , 2009, 457, 459-462.	13.7	620
38	Non-annular atmospheric circulation change induced by stratospheric ozone depletion and its role in the recent increase of Antarctic sea ice extent. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	410
39	Antarctic 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	50
40	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
41	Trends in the sea ice cover using enhanced and compatible AMSR, SSM/I, and SMMR data. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	360
42	Combination of laser and radar altimeter height measurements to estimate snow depth during the 2004 Antarctic AMSR Sea Ice field campaign. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	27
43	Introduction to special section on Large-scale Characteristics of the Sea Ice Cover from AMSR and Other Satellite Sensors. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	2
44	Recent variability and trends of Antarctic near-surface temperature. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	94
45	Influence of sea ice on primary production in the Southern Ocean: A satellite perspective. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	128
46	Accelerated decline in the Arctic sea ice cover. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	1,368
47	Recent radical shifts of atmospheric circulations and rapid changes in Arctic climate system. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	250
48	A Possible Link between the Weddell Polynya and the Southern Annular Mode*. <i>Journal of Climate</i> , 2007, 20, 2558-2571.	1.2	86
49	Ice-sheet elevation changes caused by variations of the firn compaction rate induced by satellite-observed temperature variations (1982-2003). <i>Annals of Glaciology</i> , 2007, 46, 8-13.	2.8	23
50	An unexpected seasonal variability of salinity in the Beaufort Sea upper layer in 1996-1998. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	5
51	Arise (Antarctic Remote Ice Sensing Experiment) in the East 2003: validation of Satellite-derived Sea-ice data products. <i>Annals of Glaciology</i> , 2006, 44, 288-296.	2.8	33
52	Abrupt decline in the Arctic winter sea ice cover. <i>Geophysical Research Letters</i> , 2006, 33, n/a-n/a.	1.5	155
53	Impacts of the variability of Second-year ice types on the decline of the Arctic perennial Sea-ice cover. <i>Annals of Glaciology</i> , 2006, 44, 375-382.	2.8	5
54	Arctic warming signals from satellite observations. <i>Weather</i> , 2006, 61, 70-76.	0.6	121

#	ARTICLE	IF	CITATIONS
55	Phytoplankton in the Beaufort and Chukchi Seas: Distribution, dynamics, and environmental forcing. Deep-Sea Research Part II: Topical Studies in Oceanography, 2005, 52, 3355-3368.	0.6	78
56	Recent Climate Variability in Antarctica from Satellite-Derived Temperature Data. Journal of Climate, 2004, 17, 1569-1583.	1.2	91
57	Satellite-Observed Changes in the Arctic. Physics Today, 2004, 57, 38-44.	0.3	113
58	VALIDATION OF AMSR-E ICE CONCENTRATION & THICKNESS IN THE OKHOTSK SEA. Gayana, 2004, 68, .	0.0	1
59	THE POLAR ICE COVER - HOW IT IS CHANGING. Gayana, 2004, 68, .	0.0	0
60	The spatial coherence of interannual temperature variations in the Antarctic Peninsula. Geophysical Research Letters, 2003, 30, .	1.5	60
61	Detection of change in the Arctic using satellite and in situ data. Journal of Geophysical Research, 2003, 108, .	3.3	46
62	Warming Trends in the Arctic from Clear Sky Satellite Observations. Journal of Climate, 2003, 16, 3498-3510.	1.2	303
63	In situ and satellite surface temperature records in Antarctica. Annals of Glaciology, 2002, 34, 113-120.	2.8	20
64	Correlation and trend studies of the sea-ice cover and surface temperatures in the Arctic. Annals of Glaciology, 2002, 34, 420-428.	2.8	22
65	Spatial patterns of variability in Antarctic surface temperature: Connections to the Southern Hemisphere Annular Mode and the Southern Oscillation. Geophysical Research Letters, 2002, 29, 50-1-50-4.	1.5	204
66	A rapidly declining perennial sea ice cover in the Arctic. Geophysical Research Letters, 2002, 29, 17-1-17-4.	1.5	369
67	Variability of Antarctic sea ice 1979â€“1998. Journal of Geophysical Research, 2002, 107, 9-1.	3.3	325
68	Synoptic storms and the development of the 1997 warming and freshening event in the Beaufort Sea. Geophysical Research Letters, 2001, 28, 799-802.	1.5	14
69	Seasonal and interannual variability of the Odden ice tongue and a study of environmental effects. Journal of Geophysical Research, 2001, 106, 9093-9116.	3.3	46
70	Studies of Antarctic sea ice concentrations from satellite data and their applications. Journal of Geophysical Research, 2001, 106, 31361-31385.	3.3	75
71	Satellite-observed variability and trend in sea-ice extent, surface temperature, albedo and clouds in the Arctic. Annals of Glaciology, 2001, 33, 457-473.	2.8	27
72	Variability and Trends in Antarctic Surface Temperatures from In Situ and Satellite Infrared Measurements. Journal of Climate, 2000, 13, 1674-1696.	1.2	312

#	ARTICLE	IF	CITATIONS
73	Two modes of appearance of the Odden Ice Tongue in the Greenland Sea. <i>Geophysical Research Letters</i> , 1999, 26, 2497-2500.	1.5	12
74	Arctic sea ice extents, areas, and trends, 1978-1996. <i>Journal of Geophysical Research</i> , 1999, 104, 20837-20856.	3.3	553
75	Climate Variability in the Amundsen and Bellingshausen Seas. <i>Journal of Climate</i> , 1997, 10, 697-709.	1.2	208
76	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
77	Cosmonaut polynya in the Southern Ocean: Structure and variability. <i>Journal of Geophysical Research</i> , 1996, 101, 18297-18313.	3.3	49
78	Surface and radiative characteristics of the summer Arctic sea ice cover from multisensor satellite observations. <i>Journal of Geophysical Research</i> , 1996, 101, 28397-28416.	3.3	94
79	Satellite remote sensing of the Arctic Ocean and adjacent seas. <i>Coastal and Estuarine Studies</i> , 1995, , 1-50.	0.4	7
80	The classification of Arctic sea ice types and the determination of surface temperature using advanced very high resolution radiometer data. <i>Journal of Geophysical Research</i> , 1994, 99, 5201.	3.3	52
81	Surface temperatures in the polar regions from Nimbus 7 temperature humidity infrared radiometer. <i>Journal of Geophysical Research</i> , 1994, 99, 5181.	3.3	68
82	Microwave remote sensing of the Southern Ocean ice cover. <i>Geophysical Monograph Series</i> , 1992, , 243-259.	0.1	43
83	The ice thickness distribution inferred using remote sensing techniques. <i>Geophysical Monograph Series</i> , 1992, , 375-383.	0.1	12
84	Passive microwave signatures of sea ice. <i>Geophysical Monograph Series</i> , 1992, , 47-71.	0.1	107
85	Considerations for microwave remote sensing of thin sea ice. <i>Geophysical Monograph Series</i> , 1992, , 291-301.	0.1	63
86	Microwave remote sensing of polynyas. <i>Geophysical Monograph Series</i> , 1992, , 303-311.	0.1	4
87	The estimation of geophysical parameters using passive microwave algorithms. <i>Geophysical Monograph Series</i> , 1992, , 201-231.	0.1	83
88	Polynyas in the Southern Ocean. <i>Scientific American</i> , 1988, 258, 90-97.	1.0	135
89	Multifrequency Passive Microwave Observations of First-Year Sea Ice Grown in a Tank. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 1986, GE-24, 826-831.	2.7	60