Julienne Stroeve

List of Publications by Year
in descending order

77	8,999	87401 40	78623 77
papers	citations	h-index	g-index

80	80	80	9887
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Shine a light: Under-ice light and its ecological implications in a changing Arctic Ocean. Ambio, 2022, 51, 307-317.	2.8	18
2	Overview of the MOSAiC expedition: Snow and sea ice. Elementa, 2022, 10, .	1.1	91
3	Freshwater Input and Vertical Mixing in the Canada Basinâ€™s Seasonal Halocline: 1975 versus 2006â€“12. Journal of Physical Oceanography, 2022, 52, 1383-1396.	0.7	2
4	Network connectivity between the winter Arctic Oscillation and summer sea ice in CMIP6 models and observations. Cryosphere, 2022, 16, 1653-1673.	1.5	4
5	Snowfall and snow accumulation during the MOSAiC winter and spring seasons. Cryosphere, 2022, 16, 2373-2402.	1.5	17
6	Inter-comparison of snow depth over Arctic sea ice from reanalysis reconstructions and satellite retrieval. Cryosphere, 2021, 15, 345-367.	1.5	26
7	A Multi-Sensor and Modeling Approach for Mapping Light Under Sea Ice During the Ice-Growth Season. Frontiers in Marine Science, 2021, 7, .	1.2	18
8	Arctic sea ice melt onset favored by an atmospheric pressure pattern reminiscent of the North American-Eurasian Arctic pattern. Climate Dynamics, 2021, 57, 1771-1787.	1.7	8
9	Simulated Ka- and Ku-band radar altimeter height and freeboard estimation on snow-covered Arctic sea ice. Cryosphere, 2021, 15, 1811-1822.	1.5	3
10	Arctic open-water periods are projected to lengthen dramatically by 2100. Communications Earth & Environment, 2021, 2, .	2.6	26
11	Estimating instantaneous sea-ice dynamics from space using the bi-static radar measurements of Earth Explorer 10 candidate Harmony. Cryosphere, 2021, 15, 3101-3118.	1.5	4
12	The call of the emperor penguin: Legal responses to species threatened by climate change. Global Change Biology, 2021, 27, 5008-5029.	4.2	30
13	Moving Sea Ice Prediction Forward via Community Intercomparison. Bulletin of the American Meteorological Society, 2021, 102, E2226-E2228.	1.7	2
14	Arctic rain on snow events: bridging observations to understand environmental and livelihood impacts. Environmental Research Letters, 2021, 16, 105009.	2.2	20
15	Sea-ice information and forecast needs for industry maritime stakeholders. Polar Geography, 2020, 43, 160-187.	0.8	24
16	A Bayesian Logistic Regression for Probabilistic Forecasts of the Minimum September Arctic Sea Ice Cover. Earth and Space Science, 2020, 7, e2020EA001176.	1.1	13
17	A Lagrangian Snowâ€Evolution System for Seaâ€Ice Applications (SnowModelâ€LG): Part Iâ€”Model Description. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015913.	1.0	60
18	Sea-ice-free Arctic during the Last Interglacial supports fast future loss. Nature Climate Change, 2020, 10, 928-932.	8.1	71

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19	A Lagrangian Snow Evolution System for Sea Ice Applications (SnowModelâ€LG): Part IIâ€"Analyses. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015900.	1.0	39
20	Platelet Ice Under Arctic Pack Ice in Winter. Geophysical Research Letters, 2020, 47, e2020GL088898.	1.5	17
21	Snow and Ice Thickness Retrievals Using GNSS-R: Preliminary Results of the MOSAiC Experiment. Remote Sensing, 2020, 12, 4038.	1.8	29
22	Regional September Sea Ice Forecasting with Complex Networks and Gaussian Processes. Weather and Forecasting, 2020, 35, 793-806.	0.5	9
23	Snow Property Controls on Modeled Ku-Band Altimeter Estimates of First-Year Sea Ice Thickness: Case Studies From the Canadian and Norwegian Arctic. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 1082-1096.	2.3	17
24	Making Seasonal Outlooks of Arctic Sea Ice and Atlantic Hurricanes Valuableâ€"Not Just Skillful. Bulletin of the American Meteorological Society, 2020, 101, E36-E42.	1.7	7
25	Surface-based Ku- and Ka-band polarimetric radar for sea ice studies. Cryosphere, 2020, 14, 4405-4426.	1.5	18
26	Physical length scales of wind-blown snow redistribution and accumulation on relatively smooth Arctic first-year sea ice. Environmental Research Letters, 2019, 14, 104003.	2.2	11
27	Greenland monthly precipitation analysis from the Arctic System Reanalysis (ASR): 2000â€"2012. Polar Science, 2019, 19, 1-12.	0.5	19
28	Southeast Greenland Winter Precipitation Strongly Linked to the Icelandic Low Position. Journal of Climate, 2018, 31, 4483-4500.	1.2	23
29	The Trajectory Towards a Seasonally Ice-Free Arctic Ocean. Current Climate Change Reports, 2018, 4, 407-416.	2.8	70
30	Changing state of Arctic sea ice across all seasons. Environmental Research Letters, 2018, 13, 103001.	2.2	594
31	Modulation of Sea Ice Melt Onset and Retreat in the Laptev Sea by the Timing of Snow Retreat in the West Siberian Plain. Journal of Geophysical Research D: Atmospheres, 2018, 123, 8691-8707.	1.2	9
32	Sea Ice Loss and Arctic Cyclone Activity from 1979 to 2014. Journal of Climate, 2017, 30, 4735-4754.	1.2	58
33	Ice and Snow Thickness Variability and Change in the High Arctic Ocean Observed by In Situ Measurements. Geophysical Research Letters, 2017, 44, 10,462.	1.5	37
34	The CMIP6 Sea-Ice Model Intercomparison Project (SIMIP): understanding sea ice through climate-model simulations. Geoscientific Model Development, 2016, 9, 3427-3446.	1.3	83
35	The darkening of the Greenland ice sheet: trends, drivers, and projections (1981â€"2100). Cryosphere, 2016, 10, 477-496.	1.5	152
36	Relating the Age of Arctic Sea Ice to its Thickness, as Measured during NASAâ€™s ICESat and IceBridge Campaigns. Remote Sensing, 2016, 8, 457.	1.8	54

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37	400 predictions: the SEARCH Sea Ice Outlook 2008â€“2015. Polar Geography, 2016, 39, 274-287.	0.8	37
38	Summer atmospheric circulation anomalies over the Arctic Ocean and their influences on September sea ice extent: A cautionary tale. Journal of Geophysical Research D: Atmospheres, 2016, 121, 11,463.	1.2	52
39	Linkages between Arctic summer circulation regimes and regional sea ice anomalies. Journal of Geophysical Research D: Atmospheres, 2016, 121, 7868-7880.	1.2	29
40	Observed Arctic sea-ice loss directly follows anthropogenic CO ₂ emission. Science, 2016, 354, 747-750.	6.0	389
41	Arctic sea ice trends, variability and implications for seasonal ice forecasting. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20140159.	1.6	256
42	Insights on past and future sea-ice evolution from combining observations and models. Global and Planetary Change, 2015, 135, 119-132.	1.6	97
43	Improving Predictions of Arctic Sea Ice Extent. Eos, 2015, 96, .	0.1	23
44	What Darkens the Greenland Ice Sheet?. Eos, 2015, 96, .	0.1	11
45	Projected continent-wide declines of the emperor penguin under climate change. Nature Climate Change, 2014, 4, 715-718.	8.1	95
46	North American Climate in CMIP5 Experiments: Part III: Assessment of Twenty-First-Century Projections*. Journal of Climate, 2014, 27, 2230-2270.	1.2	231
47	Predicting September sea ice: Ensemble skill of the SEARCH Sea Ice Outlook 2008-2013. Geophysical Research Letters, 2014, 41, 2411-2418.	1.5	154
48	Re-evaluation of MODIS MCD43 Greenland albedo accuracy and trends. Remote Sensing of Environment, 2013, 138, 199-214.	4.6	101
49	Late-Twentieth-Century Simulation of Arctic Sea Ice and Ocean Properties in the CCSM4. Journal of Climate, 2012, 25, 1431-1452.	1.2	99
50	Recent changes in tropospheric water vapor over the Arctic as assessed from radiosondes and atmospheric reanalyses. Journal of Geophysical Research, 2012, 117, .	3.3	136
51	Simulated Siberian snow cover response to observed Arctic sea ice loss, 1979â€“2008. Journal of Geophysical Research, 2012, 117, .	3.3	35
52	Effects of climate change on an emperor penguin population: analysis of coupled demographic and climate models. Global Change Biology, 2012, 18, 2756-2770.	4.2	93
53	Changing seasonal sea ice predictor relationships in a changing Arctic climate. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	68
54	Distribution and trends in Arctic sea ice age through spring 2011. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	528

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55	The sea ice mass budget of the Arctic and its future change as simulated by coupled climate models. Climate Dynamics, 2010, 34, 185-200.	1.7	136
56	On the emergence of an Arctic amplification signal in terrestrial Arctic snow extent. Journal of Geophysical Research, 2010, 115, .	3.3	44
57	Tracking the Movement and Changing Surface Characteristics of Arctic Sea Ice. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2010, 3, 536-540.	2.3	61
58	Demographic models and IPCC climate projections predict the decline of an emperor penguin population. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 1844-1847.	3.3	206
59	Arctic Sea Ice Extent Plummets in 2007. Eos, 2008, 89, 13-14.	0.1	409
60	Comparison of sea-ice extent and ice-edge location estimates from passive microwave and enhanced-resolution scatterometer data. Annals of Glaciology, 2008, 48, 65-70.	2.8	49
61	Arctic sea-ice variability revisited. Annals of Glaciology, 2008, 48, 71-81.	2.8	30
62	Whither Arctic sea ice? A clear signal of decline regionally, seasonally and extending beyond the satellite record. Annals of Glaciology, 2007, 46, 428-434.	2.8	172
63	Perspectives on the Arctic's Shrinking Sea-Ice Cover. Science, 2007, 315, 1533-1536.	6.0	1,123
64	Arctic sea ice decline: Faster than forecast. Geophysical Research Letters, 2007, 34, .	1.5	1,459
65	Recent changes in the Arctic melt Season. Annals of Glaciology, 2006, 44, 367-374.	2.8	56
66	Bridging perspectives from remote Sensing and Inuit communities on changing Sea-ice cover in the Baffin Bay region. Annals of Glaciology, 2006, 44, 433-438.	2.8	25
67	Accuracy assessment of the MODIS 16-day albedo product for snow: comparisons with Greenland in situ measurements. Remote Sensing of Environment, 2005, 94, 46-60.	4.6	228
68	The value of multiangle measurements for retrieving structurally and radiatively consistent properties of clouds, aerosols, and surfaces. Remote Sensing of Environment, 2005, 97, 495-518.	4.6	159
69	Mapping daily snow/ice shortwave broadband albedo from Moderate Resolution Imaging Spectroradiometer (MODIS): The improved direct retrieval algorithm and validation with Greenland in situ measurement. Journal of Geophysical Research, 2005, 110, .	3.3	96
70	Reductions in Arctic sea ice cover no longer limited to summer. Eos, 2005, 86, 326.	0.1	44
71	Development and validation of a snow albedo algorithm for the MODIS instrument. Annals of Glaciology, 2002, 34, 45-52.	2.8	145
72	Assessment of Greenland albedo variability from the advanced very high resolution radiometer Polar Pathfinder data set. Journal of Geophysical Research, 2001, 106, 33989-34006.	3.3	41

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73	New Directions in Earth Observing: Scientific Applications ofMultiangle Remote Sensing. Bulletin of the American Meteorological Society, 1999, 80, 2209-2228.	1.7	204
74	The changing albedo of the Greenland ice sheet: implications for climate modeling. Annals of Glaciology, 1997, 25, 51-57.	2.8	38
75	The changing albedo of the Greenland ice sheet: implications for climate modeling. Annals of Glaciology, 1997, 25, 51-57.	2.8	52
76	Comparison of AVHRR-derived and in situ surface albedo over the greenland ice sheet. Remote Sensing of Environment, 1997, 62, 262-276.	4.6	99
77	A linear mixed effects model for seasonal forecasts of Arctic sea ice retreat. Polar Geography, 0, , 1-18.	0.8	1