

Melinda A Webster

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,030
citations

516710

16
h-index

552781

26
g-index

32
all docs

32
docs citations

32
times ranked

1197
citing authors

#	ARTICLE	IF	CITATIONS
1	Overview of the MOSAiC expedition: Snow and sea ice. <i>Elementa</i> , 2022, 10, .	3.2	91
2	Less Surface Sea Ice Melt in the CESM2 Improves Arctic Sea Ice Simulation With Minimal Non-Polar Climate Impacts. <i>Journal of Advances in Modeling Earth Systems</i> , 2022, 14, .	3.8	9
3	Thermodynamic and dynamic contributions to seasonal Arctic sea ice thickness distributions from airborne observations. <i>Elementa</i> , 2022, 10, .	3.2	15
4	Spatiotemporal evolution of melt ponds on Arctic sea ice. <i>Elementa</i> , 2022, 10, .	3.2	22
5	Quantifying false bottoms and under-ice meltwater layers beneath Arctic summer sea ice with fine-scale observations. <i>Elementa</i> , 2022, 10, .	3.2	10
6	Snow on Arctic Sea Ice in a Warming Climate as Simulated in CESM. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016308.	2.6	13
7	Interannual variability in Transpolar Drift summer sea ice thickness and potential impact of Atlantification. <i>Cryosphere</i> , 2021, 15, 2575-2591.	3.9	21
8	The Arctic. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, S263-S316.	3.3	23
9	Meltwater sources and sinks for multiyear Arctic sea ice in summer. <i>Cryosphere</i> , 2021, 15, 4517-4525.	3.9	12
10	The influence of snow on sea ice as assessed from simulations of CESM2. <i>Cryosphere</i> , 2021, 15, 4981-4998.	3.9	8
11	Going with the floe: tracking CESM Large Ensemble sea ice in the Arctic provides context for ship-based observations. <i>Cryosphere</i> , 2020, 14, 1259-1271.	3.9	3
12	Arctic Snow Depth and Sea Ice Thickness From ICESat-2 and CryoSat-2 Freeboards: A First Examination. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC016008.	2.6	71
13	Decay of the Snow Cover Over Arctic Sea Ice From ICESat-2 Acquisitions During Summer Melt in 2019. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088209.	4.0	13
14	The Arctic. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, S239-S286.	3.3	29
15	Intercomparison of Precipitation Estimates over the Southern Ocean from Atmospheric Reanalyses. <i>Journal of Climate</i> , 2020, 33, 10627-10651.	3.2	10
16	The role of cyclone activity in snow accumulation on Arctic sea ice. <i>Nature Communications</i> , 2019, 10, 5285.	12.8	28
17	Reconstruction of Snow on Arctic Sea Ice. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 3588-3602.	2.6	33
18	The NASA Eulerian Snow on Sea Ice Model (NESOSIM) v1.0: initial model development and analysis. <i>Geoscientific Model Development</i> , 2018, 11, 4577-4602.	3.6	45

#	ARTICLE	IF	CITATIONS
19	Snow in the changing sea-ice systems. <i>Nature Climate Change</i> , 2018, 8, 946-953.	18.8	91
20	Melt Pond Conditions on Declining Arctic Sea Ice Over 1979–2016: Model Development, Validation, and Results. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 7983-8003.	2.6	23
21	Intercomparison of Precipitation Estimates over the Arctic Ocean and Its Peripheral Seas from Reanalyses. <i>Journal of Climate</i> , 2018, 31, 8441-8462.	3.2	72
22	Intercomparison of snow depth retrievals over Arctic sea ice from radar data acquired by Operation IceBridge. <i>Cryosphere</i> , 2017, 11, 2571-2593.	3.9	48
23	Seasonal evolution of melt ponds on Arctic sea ice. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 5968-5982.	2.6	83
24	Optical properties of melting first-year Arctic sea ice. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 7657-7675.	2.6	62
25	Physical and morphological properties of sea ice in the Chukchi and Beaufort Seas during the 2010 and 2011 NASA ICESCAPE missions. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2015, 118, 7-17.	1.4	9
26	Interdecadal changes in snow depth on Arctic sea ice. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 5395-5406.	2.6	186