

Melinda A Webster

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5256362/publications.pdf>

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 | Interdecadal changes in snow depth on Arctic sea ice. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 5395-5406. | 2.6 | 186 |
| 2 | Snow in the changing sea-ice systems. <i>Nature Climate Change</i> , 2018, 8, 946-953. | 18.8 | 91 |
| 3 | Overview of the MOSAIC expedition: Snow and sea ice. <i>Elementa</i> , 2022, 10, . | 3.2 | 91 |
| 4 | Seasonal evolution of melt ponds on Arctic sea ice. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 5968-5982. | 2.6 | 83 |
| 5 | 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 |
| 6 | 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 |
| 7 | Optical properties of melting first-year Arctic sea ice. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 7657-7675. | 2.6 | 62 |
| 8 | 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 |
| 9 | 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 |
| 10 | Reconstruction of Snow on Arctic Sea Ice. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 3588-3602. | 2.6 | 33 |
| 11 | The Arctic. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, S239-S286. | 3.3 | 29 |
| 12 | The role of cyclone activity in snow accumulation on Arctic sea ice. <i>Nature Communications</i> , 2019, 10, 5285. | 12.8 | 28 |
| 13 | 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 |
| 14 | The Arctic. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, S263-S316. | 3.3 | 23 |
| 15 | Spatiotemporal evolution of melt ponds on Arctic sea ice. <i>Elementa</i> , 2022, 10, . | 3.2 | 22 |
| 16 | Interannual variability in Transpolar Drift summer sea ice thickness and potential impact of Atlantification. <i>Cryosphere</i> , 2021, 15, 2575-2591. | 3.9 | 21 |
| 17 | Thermodynamic and dynamic contributions to seasonal Arctic sea ice thickness distributions from airborne observations. <i>Elementa</i> , 2022, 10, . | 3.2 | 15 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | 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 |
| 20 | Meltwater sources and sinks for multiyear Arctic sea ice in summer. <i>Cryosphere</i> , 2021, 15, 4517-4525. | 3.9 | 12 |
| 21 | Intercomparison of Precipitation Estimates over the Southern Ocean from Atmospheric Reanalyses. <i>Journal of Climate</i> , 2020, 33, 10627-10651. | 3.2 | 10 |
| 22 | 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 |
| 23 | 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 |
| 24 | 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 |
| 25 | The influence of snow on sea ice as assessed from simulations of CESM2. <i>Cryosphere</i> , 2021, 15, 4981-4998. | 3.9 | 8 |
| 26 | 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 |