Christian Haas

List of Publications by Year
in descending order

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169	7,218	61984	71685
papers	citations	43 h-index	76 g-index

224	224	224	5940
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	CryoSatâ€2 estimates of Arctic sea ice thickness and volume. Geophysical Research Letters, 2013, 40, 732-737.	4.0	597
2	Arctic sea ice in transformation: A review of recent observed changes and impacts on biology and human activity. Reviews of Geophysics, 2014, 52, 185-217.	23.0	424
3	Snow on Antarctic sea ice. Reviews of Geophysics, 2001, 39, 413-445.	23.0	287
4	A weekly Arctic sea-ice thickness data record from merged CryoSat-2 and SMOS satellite data. Cryosphere, 2017, 11, 1607-1623.	3.9	177
5	Helicopter-borne measurements of sea ice thickness, using a small and lightweight, digital EM system. Journal of Applied Geophysics, 2009, 67, 234-241.	2.1	176
6	Reduced ice thickness in Arctic Transpolar Drift favors rapid ice retreat. Geophysical Research Letters, 2008, 35, .	4.0	170
7	State of the Climate in 2018. Bulletin of the American Meteorological Society, 2019, 100, Si-S306.	3.3	168
8	Cold Regions Hydrology High-Resolution Observatory for Snow and Cold Land Processes. Proceedings of the IEEE, 2010, 98, 752-765.	21.3	148
9	State of the Climate in 2010. Bulletin of the American Meteorological Society, 2011, 92, S1-S236.	3.3	135
10	Synoptic airborne thickness surveys reveal state of Arctic sea ice cover. Geophysical Research Letters, 2010, 37, .	4.0	124
11	Surface properties and processes of perennial Antarctic sea ice in summer. Journal of Glaciology, 2001, 47, 613-625.	2.2	122
12	Comparison of seaâ€ice thickness measurements under summer and winter conditions in the Arctic using a small electromagnetic induction device. Geophysics, 1997, 62, 749-757.	2.6	115
13	Arctic warming interrupts the Transpolar Drift and affects long-range transport of sea ice and ice-rafted matter. Scientific Reports, 2019, 9, 5459.	3.3	108
14	Evidence of Arctic sea ice thinning from direct observations. Geophysical Research Letters, 2014, 41, 5029-5036.	4.0	105
15	The Weddell Gyre, Southern Ocean: Present Knowledge and Future Challenges. Reviews of Geophysics, 2019, 57, 623-708.	23.0	105
16	Dissolved organic matter in Antarctic sea ice. Annals of Glaciology, 2001, 33, 297-303.	1.4	98
17	Exploring Arctic Transpolar Drift During Dramatic Sea Ice Retreat. Eos, 2008, 89, 21-22.	0.1	94
18	Overview of the MOSAiC expedition: Snow and sea ice. Elementa, 2022, 10, .	3.2	91

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19	Size distribution and shape properties of relatively small sea-ice floes in the Antarctic marginal ice zone in late winter. Deep-Sea Research Part II: Topical Studies in Oceanography, 2011, 58, 1182-1193.	1.4	89
20	Winter snow cover on sea ice in the Weddell Sea. Journal of Geophysical Research, 1997, 102, 1101-1117.	3.3	88
21	Particulate organic matter in Antarctic summer sea ice: concentration and stable isotopic composition. Marine Ecology - Progress Series, 2002, 238, 1-13.	1.9	83
22	Ku-band radar penetration into snow cover on Arctic sea ice using airborne data. Annals of Glaciology, 2011, 52, 197-205.	1.4	82
23	A Novel and Low-Cost Sea Ice Mass Balance Buoy. Journal of Atmospheric and Oceanic Technology, 2013, 30, 2676-2688.	1.3	82
24	Evaluation of ship-based electromagnetic-inductive thickness measurements of summer sea-ice in the Bellingshausen and Amundsen Seas, Antarctica. Cold Regions Science and Technology, 1998, 27, 1-16.	3.5	80
25	Tank study of physico-chemical controls on gas content and composition during growth of young sea ice. Journal of Glaciology, 2002, 48, 177-191.	2.2	79
26	A sea-ice thickness retrieval model for 1.4 GHz radiometry and application to airborne measurements over low salinity sea-ice. Cryosphere, 2010, 4, 583-592.	3.9	78
27	Biogeochemical composition of natural sea ice brines from the Weddell Sea during early austral summer. Limnology and Oceanography, 2007, 52, 1809-1823.	3.1	77
28	Behaviour of dissolved organic matter and inorganic nutrients during experimental sea-ice formation. Annals of Glaciology, 2001, 33, 317-321.	1.4	75
29	Temporal evolution of decaying summer first-year sea ice in the Western Weddell Sea, Antarctica. Deep-Sea Research Part II: Topical Studies in Oceanography, 2008, 55, 975-987.	1.4	75
30	Ice thickness in the Northwest Passage. Geophysical Research Letters, 2015, 42, 7673-7680.	4.0	72
31	SMOS sea ice product: Operational application and validation in the Barents Sea marginal ice zone. Remote Sensing of Environment, 2016, 180, 264-273.	11.0	68
32	Direct helicopter EM â€" Sea-ice thickness inversion assessed with synthetic and field data. Geophysics, 2007, 72, F127-F137.	2.6	67
33	Evaluation of Arctic sea ice thickness simulated by Arctic Ocean Model Intercomparison Project models. Journal of Geophysical Research, 2012, 117, .	3.3	66
34	Observed platelet ice distributions in Antarctic sea ice: An index for oceanâ€ice shelf heat flux. Geophysical Research Letters, 2015, 42, 5442-5451.	4.0	64
35	Recent summer sea ice thickness surveys in Fram Strait and associated ice volume fluxes. Cryosphere, 2016, 10, 523-534.	3.9	64
36	The MOSAiC ice floe: sediment-laden survivor from the Siberian shelf. Cryosphere, 2020, 14, 2173-2187.	3.9	59

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37	Separability of sea ice types from wide swath C- and L-band synthetic aperture radar imagery acquired during the melt season. Remote Sensing of Environment, 2016, 174, 314-328.	11.0	57
38	GNSS Transpolar Earth Reflectometry exploriNg System (G-TERN): Mission Concept. IEEE Access, 2018, 6, 13980-14018.	4.2	55
39	Interannual variability of summer sea ice thickness in the Siberian and central Arctic under different atmospheric circulation regimes. Journal of Geophysical Research, 2001, 106, 4449-4462.	3.3	54
40	Overview of the MOSAiC expedition: Physical oceanography. Elementa, 2022, 10, .	3.2	54
41	Seasonal forecasts of Arctic sea ice initialized with observations of ice thickness. Geophysical Research Letters, 2012, 39, .	4.0	53
42	Excess of bottom-released methane in an Arctic shelf sea polynya in winter. Continental Shelf Research, 2007, 27, 1692-1701.	1.8	50
43	Surface ice and gap layers in Antarctic sea ice: highly productive habitats. Marine Ecology - Progress Series, 2004, 277, 1-12.	1.9	49
44	Sea ice and snow thickness and physical properties of an ice floe in the western Weddell Sea and their changes during spring warming. Deep-Sea Research Part II: Topical Studies in Oceanography, 2008, 55, 963-974.	1.4	47
45	Wintertime Airborne Measurements of Ice Nucleating Particles in the High Arctic: A Hint to a Marine, Biogenic Source for Ice Nucleating Particles. Geophysical Research Letters, 2020, 47, e2020GL087770.	4.0	46
46	MOSAiC drift expedition from October 2019 to July 2020: sea ice conditions from space and comparison with previous years. Cryosphere, 2021, 15, 3897-3920.	3.9	45
47	Observations of superimposed ice formation at melt-onset on fast ice on Kongsfjorden, Svalbard. Physics and Chemistry of the Earth, 2003, 28, 1241-1248.	2.9	44
48	The seasonal cycle of ERS scatterometer signatures over perennial Antarctic sea ice and associated surface ice properties and processes. Annals of Glaciology, 2001, 33, 69-73.	1.4	43
49	Micro-optodes in sea ice: a new approach to investigate oxygen dynamics during sea ice formation. Aquatic Microbial Ecology, 2002, 29, 297-306.	1.8	43
50	Late-summer sea ice thickness variability in the Arctic Transpolar Drift 1991-2001 derived from ground-based electromagnetic sounding. Geophysical Research Letters, 2004, 31, n/a-n/a.	4.0	43
51	Comparison of the Sea-ice thickness distribution in the Lincoln Sea and adjacent Arctic Ocean in 2004 and 2005. Annals of Glaciology, 2006, 44, 247-252.	1.4	43
52	Dissolved carbohydrates in Antarctic sea ice. Antarctic Science, 2001, 13, 119-125.	0.9	42
53	A model study of differences of snow thinning on Arctic and Antarctic first-year sea ice during spring and summer. Annals of Glaciology, 2006, 44, 147-153.	1.4	41
54	The occurrence of the copepods Stephos longipes (Calanoida) and Drescheriella glacialis (Harpacticoida) in summer sea ice in the Weddell Sea, Antarctica. Antarctic Science, 2001, 13, 150-157.	0.9	38

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55	The ISPOL drift experiment. Deep-Sea Research Part II: Topical Studies in Oceanography, 2008, 55, 913-917.	1.4	38
56	Evolution of firstâ€year and secondâ€year snow properties on sea ice in the Weddell Sea during springâ€summer transition. Journal of Geophysical Research, 2009, 114, .	3.3	37
57	Cross-validation of polynya monitoring methods from multisensor satellite and airborne data: a case study for the Laptev Sea. Canadian Journal of Remote Sensing, 2010, 36, S196-S210.	2.4	37
58	Ice and Snow Thickness Variability and Change in the High Arctic Ocean Observed by In Situ Measurements. Geophysical Research Letters, 2017, 44, 10,462.	4.0	37
59	Tidal forcing on sea-ice drift and deformation in the western Weddell Sea in early austral summer, 2004. Deep-Sea Research Part II: Topical Studies in Oceanography, 2008, 55, 943-962.	1.4	36
60	The 2018 North Greenland polynya observed by a newly introduced merged optical and passive microwave sea-ice concentration dataset. Cryosphere, 2019, 13, 2051-2073.	3.9	34
61	Ice and ocean velocity in the Arctic marginal ice zone: Ice roughness and momentum transfer. Elementa, 2017, 5, .	3.2	34
62	Comparing Springtime Ice-Algal Chlorophyll a and Physical Properties of Multi-Year and First-Year Sea Ice from the Lincoln Sea. PLoS ONE, 2015, 10, e0122418.	2.5	32
63	Thickness and surface-properties of different sea-ice regimes within the Arctic Trans Polar Drift: Data from summers 2001, 2004 and 2007. Journal of Geophysical Research, 2010, 115, .	3.3	31
64	A comparison of satellite-derived sea-ice motion with drifting-buoy data in the Weddell Sea, Antarctica. Annals of Glaciology, 2011, 52, 103-110.	1.4	31
65	Distinct bacterial assemblages reside at different depths in Arctic multiyear sea ice. FEMS Microbiology Ecology, 2014, 90, 115-125.	2.7	31
66	Sea ice feedbacks observed in western Weddell Sea. Eos, 2006, 87, 173.	0.1	30
67	The microwave emissivity variability of snow covered first-year sea ice from late winter to early summer: a model study. Cryosphere, 2014, 8, 891-904.	3.9	30
68	Evaluation of Operation IceBridge quickâ€look snow depth estimates on sea ice. Geophysical Research Letters, 2015, 42, 9302-9310.	4.0	30
69	Panâ€Arctic sea iceâ€algal chl a biomass and suitable habitat are largely underestimated for multiyear ice. Global Change Biology, 2017, 23, 4581-4597.	9.5	29
70	Contrasting Ice Algae and Snowâ€Dependent Irradiance Relationships Between Firstâ€Year and Multiyear Sea Ice. Geophysical Research Letters, 2019, 46, 10834-10843.	4.0	29
71	Local-scale variability of snow density on Arctic sea ice. Cryosphere, 2020, 14, 4323-4339.	3.9	28
72	Retrieval of Antarctic sea-ice pressure ridge frequencies from ERS SAR imagery by means of in situ laser profiling and usage of a neural network. International Journal of Remote Sensing, 1999, 20, 3111-3123.	2.9	27

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73	Airborne thickness and freeboard measurements over the McMurdo Ice Shelf, Antarctica, and implications for ice density. Journal of Geophysical Research: Oceans, 2013, 118, 5899-5907.	2.6	27
74	Large-scale ice thickness distribution of first-year sea ice in spring and summer north of Svalbard. Annals of Glaciology, 2013, 54, 13-18.	1.4	27
75	Sea-ice thickness from field measurements in the northwestern Barents Sea. Journal of Geophysical Research: Oceans, 2017, 122, 1497-1512.	2.6	27
76	Canadian snow and sea ice: assessment of snow, sea ice, and related climate processes in Canada's Earth system model and climate-prediction system. Cryosphere, 2018, 12, 1137-1156.	3.9	27
77	Invisible polynyas: Modulation of fast ice thickness by ocean heat flux on the C anadian polar shelf. Journal of Geophysical Research: Oceans, 2015, 120, 777-795.	2.6	26
78	Retrievals of Lake Ice Thickness From Great Slave Lake and Great Bear Lake Using CryoSat-2. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 3708-3720.	6.3	26
79	Regular airborne surveys of Arctic sea ice and atmosphere. Eos, 2012, 93, 41-42.	0.1	25
80	Evaluation of CryoSat-2 derived sea-ice freeboard over fast ice in McMurdo Sound, Antarctica. Journal of Glaciology, 2015, 61, 285-300.	2.2	25
81	Improving Sea Ice Characterization in Dry Ice Winter Conditions Using Polarimetric Parameters from C- and L-Band SAR Data. Remote Sensing, 2017, 9, 1270.	4.0	25
82	Bacterial communities from Arctic seasonal sea ice are more compositionally variable than those from multi-year sea ice. ISME Journal, 2016, 10, 2543-2552.	9.8	24
83	An Assessment of Stateâ€ofâ€theâ€Art Mean Sea Surface and Geoid Models of the Arctic Ocean: Implications for Sea Ice Freeboard Retrieval. Journal of Geophysical Research: Oceans, 2017, 122, 8593-8613.	2.6	24
84	The sub-ice platelet layer and its influence on freeboard to thickness conversion of Antarctic sea ice. Cryosphere, 2014, 8, 1031-1039.	3.9	23
85	The importance of diurnal processes for the Seasonal cycle of Sea-ice microwave brightness temperatures during early Summer in the Weddell Sea, Antarctica. Annals of Glaciology, 2006, 44, 297-302.	1.4	22
86	Sea-ice surface roughness estimates from airborne laser scanner and laser altimeter observations in Fram Strait and north of Svalbard. Annals of Glaciology, 2015, 56, 235-244.	1.4	22
87	Effects of radar side-lobes on snow depth retrievals from Operation IceBridge. Journal of Glaciology, 2015, 61, 576-584.	2.2	21
88	Interannual variability in Transpolar Drift summer sea ice thickness and potential impact of Atlantification. Cryosphere, 2021, 15, 2575-2591.	3.9	21
89	Satellite microwave observations of the interannual variability of snowmelt on sea ice in the Southern Ocean. Journal of Geophysical Research, 2009, 114, .	3.3	20
90	Morphology of sea ice pressure ridges in the northwestern Weddell Sea in winter. Journal of Geophysical Research, 2012, 117, .	3.3	20

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91	Improved characterisation of sea ice using simultaneous aerial photography and sea ice thickness measurements. Cold Regions Science and Technology, 2013, 92, 37-47.	3.5	20
92	Sea ice freeboard in McMurdo Sound, Antarctica, derived by surface-validated ICESat laser altimeter data. Journal of Geophysical Research: Oceans, 2013, 118, 3634-3650.	2.6	20
93	Variability in the Distribution of Fast Ice and the Subâ€ice Platelet Layer Near McMurdo Ice Shelf. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015678.	2.6	20
94	Copepods in sea ice of the western Weddell Sea during austral spring 2004. Deep-Sea Research Part II: Topical Studies in Oceanography, 2008, 55, 1056-1067.	1.4	19
95	Sea ice production and water mass modification in the eastern Laptev Sea. Journal of Geophysical Research, 2011, 116, .	3.3	19
96	Comparison of seasonal sea-ice thickness change in the Transpolar Drift observed by local ice mass-balance observations and floe-scale EM surveys. Annals of Glaciology, 2011, 52, 97-102.	1.4	19
97	An intercomparison between AMSR-E snow-depth and satellite C- and Ku-band radar backscatter data for Antarctic sea ice. Annals of Glaciology, 2011, 52, 279-290.	1.4	19
98	Sea-ice thickness variability in Storfjorden, Svalbard. Annals of Glaciology, 2011, 52, 61-68.	1.4	19
99	Sea ice dynamics in the Bransfield Strait, Antarctic Peninsula, during the past 240 years: a multi-proxy intercomparison study. Climate of the Past, 2020, 16, 2459-2483.	3.4	19
100	Satellite-based sea ice thickness changes in the Laptev Sea from 2002 to 2017: comparison to mooring observations. Cryosphere, 2020, 14, 2189-2203.	3.9	19
101	Linking sea ice deformation to ice thickness redistribution using high-resolution satellite and airborne observations. Cryosphere, 2021, 15, 2167-2186.	3.9	18
102	Sea Ice Thickness in the Western Ross Sea. Geophysical Research Letters, 2021, 48, e2020GL090866.	4.0	18
103	Effects of surface roughness on sea ice freeboard retrieval with an Airborne Ku-Band SAR radar altimeter. , 2010, , .		17
104	Simulation of the CryoSat-2 satellite radar altimeter sea ice thickness retrieval uncertainty. Canadian Journal of Remote Sensing, 2010, 36, 55-67.	2.4	17
105	Winter Sentinelâ€1 Backscatter as a Predictor of Spring Arctic Sea Ice Melt Pond Fraction. Geophysical Research Letters, 2017, 44, 12,262.	4.0	17
106	Platelet Ice Under Arctic Pack Ice in Winter. Geophysical Research Letters, 2020, 47, e2020GL088898.	4.0	17
107	Interannual sea ice thickness variability in the Bay of Bothnia. Cryosphere, 2018, 12, 3459-3476.	3.9	16
108	Multidisciplinary ice tank study shedding new light on sea ice growth processes. Eos, 1999, 80, 507-513.	0.1	15

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109	Snow-depth observations by adventurers traveling on Arctic sea ice. Annals of Glaciology, 2011, 52, 369-376.	1.4	15
110	Highly branched isoprenoids for Southern Ocean sea ice reconstructions: a pilot study from the Western Antarctic Peninsula. Biogeosciences, 2019, 16, 2961-2981.	3.3	15
111	Changes in the Thickness and Circulation of Multiyear Ice in the Beaufort Gyre Determined From Pseudoâ€Lagrangian Methods from 2003â€“2015. Journal of Geophysical Research: Oceans, 2019, 124, 5618-5633.	2.6	15
112	Thermodynamic and dynamic contributions to seasonal Arctic sea ice thickness distributions from airborne observations. Elementa, 2022, 10, .	3.2	15
113	The Spring-Time Boundary Layer in the Central Arctic Observed during PAMARCMiP 2009. Atmosphere, 2012, 3, 320-351.	2.3	14
114	Estimation of Level and Deformed First-Year Sea Ice Surface Roughness in the Canadian Arctic Archipelago from C- and L-Band Synthetic Aperture Radar. Canadian Journal of Remote Sensing, 2019, 45, 457-475.	2.4	13
115	The 2017 Reversal of the Beaufort Gyre: Can Dynamic Thickening of a Seasonal Ice Cover During a Reversal Limit Summer Ice Melt in the Beaufort Sea?. Journal of Geophysical Research: Oceans, 2020, 125, e2020JC016796.	2.6	13
116	Parameterization of Arctic Sea-ice Surface roughness for application in ice type classification. Annals of Glaciology, 2006, 44, 224-230.	1.4	12
117	Role of Ice Dynamics in the Sea Ice Mass Balance. Eos, 2008, 89, 515-516.	0.1	12
118	Evaluation of lipid biomarkers as proxies for sea ice and ocean temperatures along the Antarctic continental margin. Climate of the Past, 2021, 17, 2305-2326.	3.4	12
119	Monitoring a changing Arctic: Recent advancements in the study of sea ice microbial communities. Ambio, 2022, 51, 318-332.	5.5	12
120	Density of pack-ice seals and penguins in the western Weddell Sea in relation to ice thickness and ocean depth. Deep-Sea Research Part II: Topical Studies in Oceanography, 2008, 55, 1068-1074.	1.4	10
121	Combined airborne profiling over Fram Strait sea ice: Fractional sea-ice types, albedo and thickness measurements. Cold Regions Science and Technology, 2009, 55, 23-32.	3.5	10
122	Evaluation of a polynya flux model by means of thermal infrared satellite estimates. Annals of Glaciology, 2011, 52, 52-60.	1.4	9
123	High radar-backscatter regions on Antarctic sea-ice and their relation to sea-ice and snow properties and meteorological conditions. International Journal of Remote Sensing, 2011, 32, 3967-3984.	2.9	9
124	Remote Sensing of Antarctic Sea Ice with Coordinated Aircraft and Satellite Data Acquisitions. , 2018, , .		9
125	Retrieval of thin-ice thickness using the L-band polarization ratio measured by the helicopter-borne scatterometer Heliscat. Annals of Glaciology, 2006, 44, 275-280.	1.4	8
126	Validation of SMOS sea ice thickness retrieval in the northern Baltic Sea. Tellus, Series A: Dynamic Meteorology and Oceanography, 2015, 67, 24617.	1.7	8

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127	Snow thickness profiling on Antarctic sea ice with GPRâ€"Rapid and accurate measurements with the potential to upscale needles to a haystack. Geophysical Research Letters, 2017, 44, 7836-7844.	4.0	8
128	Airborne Observations of Summer Thinning of Multiyear Sea Ice Originating From the Lincoln Sea. Journal of Geophysical Research: Oceans, 2019, 124, 243-266.	2.6	8
129	Spatiotemporal variability and decadal trends of snowmelt processes on Antarctic sea ice observed by satellite scatterometers. Cryosphere, 2019, 13, 1943-1958.	3.9	8
130	The Effect of Sea Ice on Tidal Propagation in the Kitikmeot Sea, Canadian Arctic Archipelago. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC016786.	2.6	8
131	Abundance and Distributional Patterns of Benthic Peracarid Crustaceans From the Atlantic Sector of the Southern Ocean and Weddell Sea. Frontiers in Marine Science, 2020, 7, .	2.5	7
132	High-Resolution Snow Depth on Arctic Sea Ice From Low-Altitude Airborne Microwave Radar Data. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	7
133	Arctic sea ice anomalies during the MOSAiC winter 2019/20. Cryosphere, 2022, 16, 981-1005.	3.9	7
134	Observing snowmelt dynamics on fast ice in Kongsfjorden, Svalbard, with NOAA/AVHRR data and field measurements. Polar Research, 2009, 28, 203-213.	1.6	6
135	Towards the retrieval of multi-year sea ice thickness and deformation state from polarimetric C- and X-band SAR observations. , 2014, , .		6
136	Linking Regional Winter Sea Ice Thickness and Surface Roughness to Spring Melt Pond Fraction on Landfast Arctic Sea Ice. Remote Sensing, 2018, 10, 37.	4.0	6
137	Recent observations of superimposed ice and snow ice on sea ice in the northwestern Weddell Sea. Cryosphere, 2021, 15, 4165-4178.	3.9	6
138	Retrieval and parameterisation of sea-ice bulk density from airborne multi-sensor measurements. Cryosphere, 2022, 16, 259-275.	3.9	6
139	New data set of onset of annual snowmelt on Antarctic sea ice. Eos, 2007, 88, 237-241.	0.1	5
140	Airborne mapping of the sub-ice platelet layer under fast ice in McMurdo Sound, Antarctica. Cryosphere, 2021, 15, 247-264.	3.9	5
141	From Bright Windows to Dark Spots: Snow Cover Controls Melt Pond Optical Properties During Refreezing. Geophysical Research Letters, 2021, 48, e2021GL095369.	4.0	5
142	HELIOS, a nadir-looking sea ice monitoring camera. Cold Regions Science and Technology, 2011, 65, 308-313.	3.5	4
143	A combined approach of remote sensing and airborne electromagnetics to determine the volume of polynya sea ice in the Laptev Sea. Cryosphere, 2013, 7, 947-959.	3.9	4
144	Comparison of SAR data and operational sea ice products to EM ice thickness measurements in the Baltic sea. , 0, , .		3

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145	CoReH<inf>2</inf>O - Cold Regions Hydrology High-esolution Observatory. , 2009, , .		3
146	Composition, Diversity, and Stability of Microbial Assemblages in Seasonal Lake Ice, Miquelon Lake, Central Alberta. Biology, 2013, 2, 514-532.	2.8	3
147	Contribution of Snow to Arctic Firstâ€Year and Multiâ€Year Sea Ice Mass Balance Within the Last Ice Area. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC016971.	2.6	3
148	Airborne Electromagnetic Sea Ice Thickness Sounding in Shallow, Brackish Water Environments of the Caspian and Baltic Seas. , 2006, , .		3
149	An Adaptive Approach to Derive Sea Ice Draft from Upward-Looking Acoustic Doppler Current Profilers (ADCPs), Validated by Upward-Looking Sonar (ULS) Data. Remote Sensing, 2021, 13, 4335.	4.0	3
150	Bowling mermaids; or, How do beach ice balls form?. Journal of Glaciology, 2003, 49, 605-606.	2.2	2
151	Estimation of equivalent deformed ice thickness from Baltic Sea ice SAR imagery. , 0, , .		2
152	Comparison of helicopter-borne thin sea ice thickness profiles with polarimetric signatures of dual-pol Terrasar-X data. , 2009, , .		2
153	Noise characteristics of an electromagnetic sea-ice thickness sounder on a fixed wing aircraft. Journal of Applied Geophysics, 2011, 75, 87-98.	2.1	2
154	Comparison of in situ and airborne measurements of multiyear sea ice thickness with dual-frequency, polarimetric SAR observations. , 2013, , .		2
155	Upper limits for chlorophyll a changes with brine volume in sea ice during the austral spring in the Weddell Sea, Antarctica. Acta Oceanologica Sinica, 2016, 35, 68-75.	1.0	2
156	On SAR-based statistical ice thickness estimation in the baltic sea. , 0, , .		1
157	C-Band SAR Based Estimation of Baltic Sea Ice Thickness Distributions. , 2006, , .		1
158	Scientific Preparations for CoRe-H<inf>2</inf>O, a Dual Frequency SAR Mission for Snow and Ice Observations. , 2008, , .		1
159	Airborne Observations of the Distribution, Thickness, and Drift of Different Sea Ice Types and Extreme Ice Features in the Canadian Beaufort Sea. , 2012, , .		1
160	Corrigendum to "A combined approach of remote sensing and airborne electromagnetics to determine the volume of polynya sea ice in the Laptev Sea" published in The Cryosphere, 7, 947â˜959, 2013. Cryosphere, 2013, 7, 1107-1108.	3.9	1
161	Net heterotrophy in High Arctic first-year and multi-year spring sea ice. Elementa, 2022, 10, .	3.2	1
162	Snow Depth Retrieval on Arctic Sea Ice Using Under-Ice Hyperspectral Radiation Measurements. Frontiers in Earth Science, 2021, 9, .	1.8	1

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163	Validation of CryoSat sea-ice products: instruments and methods. , 0, , .		0
164	Correction to â€œEvolution of first- and second-year snow properties on sea ice in the Weddell Sea during spring-summer transitionâ€. Journal of Geophysical Research, 2011, 116, .	3.3	0
165	Characteristics of CryoSat-2 signals over multi-year and seasonal sea ice. , 2013, , .		0
166	Fox Gearheard S and 7 others eds (2013) The meaning of ice: people and sea ice in three Arctic communities. IPI Press, Hanover, NH. 412pp. ISBN-10: 0â€“982170â€“39â€“4, ISBN-13: 978â€“0â€“982â€“170392â€“7, clothbound, US$50. Journal of Glaciology, 2014, 60, 395-396.	2.2	0
167	Noise Sources for a Fixed Wing Airborne EM System, Quantified by Means of 3D Finite Element Modelling. , 2010, , .		0
168	Improvement of k-means Clustering Algorithm for Analyzing the Morphology of Ice Ridge Sails. International Journal of Advancements in Computing Technology, 2011, 3, 329-336.	0.1	0
169	ASSESSMENT OF SEA ICE FREEBOARD AND THICKNESS IN MCMURDO SOUND, ANTARCTICA, DERIVED BY GROUND VALIDATED SATELLITE ALTIMETER DATA. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XXXIX-B8, 585-590.	0.2	0