

Christian Haas

List of Publications by Year in descending order

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169
papers

7,218
citations

61984

43
h-index

71685

76
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224
all docs

224
docs citations

224
times ranked

5940
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Monitoring a changing Arctic: Recent advancements in the study of sea ice microbial communities. Ambio, 2022, 51, 318-332.	5.5	12
3	Net heterotrophy in High Arctic first-year and multi-year spring sea ice. Elementa, 2022, 10, .	3.2	1
4	Retrieval and parameterisation of sea-ice bulk density from airborne multi-sensor measurements. Cryosphere, 2022, 16, 259-275.	3.9	6
5	Overview of the MOSAiC expedition: Physical oceanography. Elementa, 2022, 10, .	3.2	54
6	Overview of the MOSAiC expedition: Snow and sea ice. Elementa, 2022, 10, .	3.2	91
7	Arctic sea ice anomalies during the MOSAiC winter 2019/20. Cryosphere, 2022, 16, 981-1005.	3.9	7
8	Thermodynamic and dynamic contributions to seasonal Arctic sea ice thickness distributions from airborne observations. Elementa, 2022, 10, .	3.2	15
9	Airborne mapping of the sub-ice platelet layer under fast ice in McMurdo Sound, Antarctica. Cryosphere, 2021, 15, 247-264.	3.9	5
10	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
11	Contribution of Snow to Arctic First-Year and Multi-Year Sea Ice Mass Balance Within the Last Ice Area. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC016971.	2.6	3
12	Linking sea ice deformation to ice thickness redistribution using high-resolution satellite and airborne observations. Cryosphere, 2021, 15, 2167-2186.	3.9	18
13	Interannual variability in Transpolar Drift summer sea ice thickness and potential impact of Atlantification. Cryosphere, 2021, 15, 2575-2591.	3.9	21
14	Recent observations of superimposed ice and snow ice on sea ice in the northwestern Weddell Sea. Cryosphere, 2021, 15, 4165-4178.	3.9	6
15	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
16	Sea Ice Thickness in the Western Ross Sea. Geophysical Research Letters, 2021, 48, e2020GL090866.	4.0	18
17	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
18	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

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19	From Bright Windows to Dark Spots: Snow Cover Controls Melt Pond Optical Properties During Refreezing. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095369.	4.0	5
20	Snow Depth Retrieval on Arctic Sea Ice Using Under-Ice Hyperspectral Radiation Measurements. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	1
21	Abundance and Distributional Patterns of Benthic Peracarid Crustaceans From the Atlantic Sector of the Southern Ocean and Weddell Sea. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	7
22	Platelet Ice Under Arctic Pack Ice in Winter. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088898.	4.0	17
23	Wintertime Airborne Measurements of Ice Nucleating Particles in the High Arctic: A Hint to a Marine, Biogenic Source for Ice Nucleating Particles. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087770.	4.0	46
24	Variability in the Distribution of Fast Ice and the Sub-ice Platelet Layer Near McMurdo Ice Shelf. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015678.	2.6	20
25	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?. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2020JC016796.	2.6	13
26	Sea ice dynamics in the Bransfield Strait, Antarctic Peninsula, during the past 240 years: a multi-proxy intercomparison study. <i>Climate of the Past</i> , 2020, 16, 2459-2483.	3.4	19
27	The MOSAiC ice floe: sediment-laden survivor from the Siberian shelf. <i>Cryosphere</i> , 2020, 14, 2173-2187.	3.9	59
28	Satellite-based sea ice thickness changes in the Laptev Sea from 2002 to 2017: comparison to mooring observations. <i>Cryosphere</i> , 2020, 14, 2189-2203.	3.9	19
29	Local-scale variability of snow density on Arctic sea ice. <i>Cryosphere</i> , 2020, 14, 4323-4339.	3.9	28
30	Highly branched isoprenoids for Southern Ocean sea ice reconstructions: a pilot study from the Western Antarctic Peninsula. <i>Biogeosciences</i> , 2019, 16, 2961-2981.	3.3	15
31	Contrasting Ice Algae and Snow-Dependent Irradiance Relationships Between First-Year and Multiyear Sea Ice. <i>Geophysical Research Letters</i> , 2019, 46, 10834-10843.	4.0	29
32	Estimation of Level and Deformed First-Year Sea Ice Surface Roughness in the Canadian Arctic Archipelago from C- and L-Band Synthetic Aperture Radar. <i>Canadian Journal of Remote Sensing</i> , 2019, 45, 457-475.	2.4	13
33	The 2018 North Greenland polynya observed by a newly introduced merged optical and passive microwave sea-ice concentration dataset. <i>Cryosphere</i> , 2019, 13, 2051-2073.	3.9	34
34	Changes in the Thickness and Circulation of Multiyear Ice in the Beaufort Gyre Determined From Pseudo-Lagrangian Methods from 2003-2015. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 5618-5633.	2.6	15
35	State of the Climate in 2018. <i>Bulletin of the American Meteorological Society</i> , 2019, 100, Si-S306.	3.3	168
36	Airborne Observations of Summer Thinning of Multiyear Sea Ice Originating From the Lincoln Sea. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 243-266.	2.6	8

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37	The Weddell Gyre, Southern Ocean: Present Knowledge and Future Challenges. <i>Reviews of Geophysics</i> , 2019, 57, 623-708.	23.0	105
38	Arctic warming interrupts the Transpolar Drift and affects long-range transport of sea ice and ice-rafted matter. <i>Scientific Reports</i> , 2019, 9, 5459.	3.3	108
39	Spatiotemporal variability and decadal trends of snowmelt processes on Antarctic sea ice observed by satellite scatterometers. <i>Cryosphere</i> , 2019, 13, 1943-1958.	3.9	8
40	GNSS Transpolar Earth Reflectometry exploriNg System (G-TERN): Mission Concept. <i>IEEE Access</i> , 2018, 6, 13980-14018.	4.2	55
41	Remote Sensing of Antarctic Sea Ice with Coordinated Aircraft and Satellite Data Acquisitions. , 2018, , .		9
42	Interannual sea ice thickness variability in the Bay of Bothnia. <i>Cryosphere</i> , 2018, 12, 3459-3476.	3.9	16
43	Canadian snow and sea ice: assessment of snow, sea ice, and related climate processes in Canada's Earth system model and climate-prediction system. <i>Cryosphere</i> , 2018, 12, 1137-1156.	3.9	27
44	Linking Regional Winter Sea Ice Thickness and Surface Roughness to Spring Melt Pond Fraction on Landfast Arctic Sea Ice. <i>Remote Sensing</i> , 2018, 10, 37.	4.0	6
45	Sea-ice thickness from field measurements in the northwestern Barents Sea. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 1497-1512.	2.6	27
46	Retrievals of Lake Ice Thickness From Great Slave Lake and Great Bear Lake Using CryoSat-2. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 3708-3720.	6.3	26
47	Ice and Snow Thickness Variability and Change in the High Arctic Ocean Observed by In Situ Measurements. <i>Geophysical Research Letters</i> , 2017, 44, 10,462.	4.0	37
48	Panâ€Arctic sea iceâ€algal chl <i>a</i> biomass and suitable habitat are largely underestimated for multiyear ice. <i>Global Change Biology</i> , 2017, 23, 4581-4597.	9.5	29
49	An Assessment of Stateâ€ofâ€theâ€Art Mean Sea Surface and Geoid Models of the Arctic Ocean: Implications for Sea Ice Freeboard Retrieval. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 8593-8613.	2.6	24
50	Snow thickness profiling on Antarctic sea ice with GPRâ€Rapid and accurate measurements with the potential to upscale needles to a haystack. <i>Geophysical Research Letters</i> , 2017, 44, 7836-7844.	4.0	8
51	Winter Sentinelâ€1 Backscatter as a Predictor of Spring Arctic Sea Ice Melt Pond Fraction. <i>Geophysical Research Letters</i> , 2017, 44, 12,262.	4.0	17
52	Improving Sea Ice Characterization in Dry Ice Winter Conditions Using Polarimetric Parameters from C- and L-Band SAR Data. <i>Remote Sensing</i> , 2017, 9, 1270.	4.0	25
53	A weekly Arctic sea-ice thickness data record from merged CryoSat-2 and SMOS satellite data. <i>Cryosphere</i> , 2017, 11, 1607-1623.	3.9	177
54	Ice and ocean velocity in the Arctic marginal ice zone: Ice roughness and momentum transfer. <i>Elementa</i> , 2017, 5, .	3.2	34

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55	Recent summer sea ice thickness surveys in Fram Strait and associated ice volume fluxes. <i>Cryosphere</i> , 2016, 10, 523-534.	3.9	64
56	SMOS sea ice product: Operational application and validation in the Barents Sea marginal ice zone. <i>Remote Sensing of Environment</i> , 2016, 180, 264-273.	11.0	68
57	Upper limits for chlorophyll a changes with brine volume in sea ice during the austral spring in the Weddell Sea, Antarctica. <i>Acta Oceanologica Sinica</i> , 2016, 35, 68-75.	1.0	2
58	Bacterial communities from Arctic seasonal sea ice are more compositionally variable than those from multi-year sea ice. <i>ISME Journal</i> , 2016, 10, 2543-2552.	9.8	24
59	Separability of sea ice types from wide swath C- and L-band synthetic aperture radar imagery acquired during the melt season. <i>Remote Sensing of Environment</i> , 2016, 174, 314-328.	11.0	57
60	Sea-ice surface roughness estimates from airborne laser scanner and laser altimeter observations in Fram Strait and north of Svalbard. <i>Annals of Glaciology</i> , 2015, 56, 235-244.	1.4	22
61	Ice thickness in the Northwest Passage. <i>Geophysical Research Letters</i> , 2015, 42, 7673-7680.	4.0	72
62	Evaluation of Operation IceBridge quick-look snow depth estimates on sea ice. <i>Geophysical Research Letters</i> , 2015, 42, 9302-9310.	4.0	30
63	Invisible polynyas: Modulation of fast ice thickness by ocean heat flux on the Canadian polar shelf. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 777-795.	2.6	26
64	Evaluation of CryoSat-2 derived sea-ice freeboard over fast ice in McMurdo Sound, Antarctica. <i>Journal of Glaciology</i> , 2015, 61, 285-300.	2.2	25
65	Observed platelet ice distributions in Antarctic sea ice: An index for ocean-ice shelf heat flux. <i>Geophysical Research Letters</i> , 2015, 42, 5442-5451.	4.0	64
66	Validation of SMOS sea ice thickness retrieval in the northern Baltic Sea. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2015, 67, 24617.	1.7	8
67	Effects of radar side-lobes on snow depth retrievals from Operation IceBridge. <i>Journal of Glaciology</i> , 2015, 61, 576-584.	2.2	21
68	Comparing Springtime Ice-Algal Chlorophyll a and Physical Properties of Multi-Year and First-Year Sea Ice from the Lincoln Sea. <i>PLoS ONE</i> , 2015, 10, e0122418.	2.5	32
69	The sub-ice platelet layer and its influence on freeboard to thickness conversion of Antarctic sea ice. <i>Cryosphere</i> , 2014, 8, 1031-1039.	3.9	23
70	The microwave emissivity variability of snow covered first-year sea ice from late winter to early summer: a model study. <i>Cryosphere</i> , 2014, 8, 891-904.	3.9	30
71	Towards the retrieval of multi-year sea ice thickness and deformation state from polarimetric C- and X-band SAR observations. , 2014, , .		6
72	Evidence of Arctic sea ice thinning from direct observations. <i>Geophysical Research Letters</i> , 2014, 41, 5029-5036.	4.0	105

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73	Distinct bacterial assemblages reside at different depths in Arctic multiyear sea ice. <i>FEMS Microbiology Ecology</i> , 2014, 90, 115-125.	2.7	31
74	Arctic sea ice in transformation: A review of recent observed changes and impacts on biology and human activity. <i>Reviews of Geophysics</i> , 2014, 52, 185-217.	23.0	424
75	Fox Gearheard S and 7 others eds (2013) <i>The meaning of ice: people and sea ice in three Arctic communities</i> . IPI Press, Hanover, NH. 412pp. ISBN-10: 0-982170-39-4, ISBN-13: 978-0-982-17039-4, clothbound, US\$50. <i>Journal of Glaciology</i> , 2014, 60, 395-396.		0
76	Improved characterisation of sea ice using simultaneous aerial photography and sea ice thickness measurements. <i>Cold Regions Science and Technology</i> , 2013, 92, 37-47.	3.5	20
77	CryoSat-2 estimates of Arctic sea ice thickness and volume. <i>Geophysical Research Letters</i> , 2013, 40, 732-737.	4.0	597
78	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 <i>The Cryosphere</i> , 7, 947-959, 2013. <i>Cryosphere</i> , 2013, 7, 1107-1108.	3.9	1
79	A Novel and Low-Cost Sea Ice Mass Balance Buoy. <i>Journal of Atmospheric and Oceanic Technology</i> , 2013, 30, 2676-2688.	1.3	82
80	Characteristics of CryoSat-2 signals over multi-year and seasonal sea ice. , 2013, , .		0
81	Comparison of in situ and airborne measurements of multiyear sea ice thickness with dual-frequency, polarimetric SAR observations. , 2013, , .		2
82	Airborne thickness and freeboard measurements over the McMurdo Ice Shelf, Antarctica, and implications for ice density. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 5899-5907.	2.6	27
83	Large-scale ice thickness distribution of first-year sea ice in spring and summer north of Svalbard. <i>Annals of Glaciology</i> , 2013, 54, 13-18.	1.4	27
84	Sea ice freeboard in McMurdo Sound, Antarctica, derived by surface-validated ICESat laser altimeter data. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 3634-3650.	2.6	20
85	Composition, Diversity, and Stability of Microbial Assemblages in Seasonal Lake Ice, Miquelon Lake, Central Alberta. <i>Biology</i> , 2013, 2, 514-532.	2.8	3
86	A combined approach of remote sensing and airborne electromagnetics to determine the volume of polynya sea ice in the Laptev Sea. <i>Cryosphere</i> , 2013, 7, 947-959.	3.9	4
87	Seasonal forecasts of Arctic sea ice initialized with observations of ice thickness. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	53
88	Airborne Observations of the Distribution, Thickness, and Drift of Different Sea Ice Types and Extreme Ice Features in the Canadian Beaufort Sea. , 2012, , .		1
89	Morphology of sea ice pressure ridges in the northwestern Weddell Sea in winter. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	20
90	Regular airborne surveys of Arctic sea ice and atmosphere. <i>Eos</i> , 2012, 93, 41-42.	0.1	25

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91	The Spring-Time Boundary Layer in the Central Arctic Observed during PAMARCMiP 2009. <i>Atmosphere</i> , 2012, 3, 320-351.	2.3	14
92	Evaluation of Arctic sea ice thickness simulated by Arctic Ocean Model Intercomparison Project models. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	66
93	Sea ice production and water mass modification in the eastern Laptev Sea. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	19
94	HELIOS, a nadir-looking sea ice monitoring camera. <i>Cold Regions Science and Technology</i> , 2011, 65, 308-313.	3.5	4
95	Size distribution and shape properties of relatively small sea-ice floes in the Antarctic marginal ice zone in late winter. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2011, 58, 1182-1193.	1.4	89
96	A comparison of satellite-derived sea-ice motion with drifting-buoy data in the Weddell Sea, Antarctica. <i>Annals of Glaciology</i> , 2011, 52, 103-110.	1.4	31
97	Correction to "Evolution of first- and second-year snow properties on sea ice in the Weddell Sea during spring-summer transition". <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	0
98	Snow-depth observations by adventurers traveling on Arctic sea ice. <i>Annals of Glaciology</i> , 2011, 52, 369-376.	1.4	15
99	Comparison of seasonal sea-ice thickness change in the Transpolar Drift observed by local ice mass-balance observations and floe-scale EM surveys. <i>Annals of Glaciology</i> , 2011, 52, 97-102.	1.4	19
100	Ku-band radar penetration into snow cover on Arctic sea ice using airborne data. <i>Annals of Glaciology</i> , 2011, 52, 197-205.	1.4	82
101	An intercomparison between AMSR-E snow-depth and satellite C- and Ku-band radar backscatter data for Antarctic sea ice. <i>Annals of Glaciology</i> , 2011, 52, 279-290.	1.4	19
102	Evaluation of a polynya flux model by means of thermal infrared satellite estimates. <i>Annals of Glaciology</i> , 2011, 52, 52-60.	1.4	9
103	Noise characteristics of an electromagnetic sea-ice thickness sounder on a fixed wing aircraft. <i>Journal of Applied Geophysics</i> , 2011, 75, 87-98.	2.1	2
104	Sea-ice thickness variability in Storfjorden, Svalbard. <i>Annals of Glaciology</i> , 2011, 52, 61-68.	1.4	19
105	State of the Climate in 2010. <i>Bulletin of the American Meteorological Society</i> , 2011, 92, S1-S236.	3.3	135
106	High radar-backscatter regions on Antarctic sea-ice and their relation to sea-ice and snow properties and meteorological conditions. <i>International Journal of Remote Sensing</i> , 2011, 32, 3967-3984.	2.9	9
107	Improvement of k-means Clustering Algorithm for Analyzing the Morphology of Ice Ridge Sails. <i>International Journal of Advancements in Computing Technology</i> , 2011, 3, 329-336.	0.1	0
108	Cold Regions Hydrology High-Resolution Observatory for Snow and Cold Land Processes. <i>Proceedings of the IEEE</i> , 2010, 98, 752-765.	21.3	148

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109	A sea-ice thickness retrieval model for 1.4 GHz radiometry and application to airborne measurements over low salinity sea-ice. <i>Cryosphere</i> , 2010, 4, 583-592.	3.9	78
110	Effects of surface roughness on sea ice freeboard retrieval with an Airborne Ku-Band SAR radar altimeter. , 2010, , .		17
111	Cross-validation of polynya monitoring methods from multisensor satellite and airborne data: a case study for the Laptev Sea. <i>Canadian Journal of Remote Sensing</i> , 2010, 36, S196-S210.	2.4	37
112	Simulation of the CryoSat-2 satellite radar altimeter sea ice thickness retrieval uncertainty. <i>Canadian Journal of Remote Sensing</i> , 2010, 36, 55-67.	2.4	17
113	Thickness and surface-properties of different sea-ice regimes within the Arctic Trans Polar Drift: Data from summers 2001, 2004 and 2007. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	31
114	Synoptic airborne thickness surveys reveal state of Arctic sea ice cover. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	124
115	Noise Sources for a Fixed Wing Airborne EM System, Quantified by Means of 3D Finite Element Modelling. , 2010, , .		0
116	CoReH<inf>2</inf>O - Cold Regions Hydrology High-resolution Observatory. , 2009, , .		3
117	Observing snowmelt dynamics on fast ice in Kongsfjorden, Svalbard, with NOAA/AVHRR data and field measurements. <i>Polar Research</i> , 2009, 28, 203-213.	1.6	6
118	Helicopter-borne measurements of sea ice thickness, using a small and lightweight, digital EM system. <i>Journal of Applied Geophysics</i> , 2009, 67, 234-241.	2.1	176
119	Combined airborne profiling over Fram Strait sea ice: Fractional sea-ice types, albedo and thickness measurements. <i>Cold Regions Science and Technology</i> , 2009, 55, 23-32.	3.5	10
120	Satellite microwave observations of the interannual variability of snowmelt on sea ice in the Southern Ocean. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	20
121	Evolution of first&€year and second&€year snow properties on sea ice in the Weddell Sea during spring&€summer transition. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	37
122	Comparison of helicopter-borne thin sea ice thickness profiles with polarimetric signatures of dual-pol Terrasar-X data. , 2009, , .		2
123	Exploring Arctic Transpolar Drift During Dramatic Sea Ice Retreat. <i>Eos</i> , 2008, 89, 21-22.	0.1	94
124	Role of Ice Dynamics in the Sea Ice Mass Balance. <i>Eos</i> , 2008, 89, 515-516.	0.1	12
125	Copepods in sea ice of the western Weddell Sea during austral spring 2004. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2008, 55, 1056-1067.	1.4	19
126	Sea ice and snow thickness and physical properties of an ice floe in the western Weddell Sea and their changes during spring warming. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2008, 55, 963-974.	1.4	47

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127	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
128	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
129	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
130	The ISPOL drift experiment. Deep-Sea Research Part II: Topical Studies in Oceanography, 2008, 55, 913-917.	1.4	38
131	Reduced ice thickness in Arctic Transpolar Drift favors rapid ice retreat. Geophysical Research Letters, 2008, 35, .	4.0	170
132	Scientific Preparations for CoRe-H ₂ O, a Dual Frequency SAR Mission for Snow and Ice Observations. , 2008, , .		1
133	Direct helicopter EM " Sea-ice thickness inversion assessed with synthetic and field data. Geophysics, 2007, 72, F127-F137.	2.6	67
134	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
135	Excess of bottom-released methane in an Arctic shelf sea polynya in winter. Continental Shelf Research, 2007, 27, 1692-1701.	1.8	50
136	New data set of onset of annual snowmelt on Antarctic sea ice. Eos, 2007, 88, 237-241.	0.1	5
137	C-Band SAR Based Estimation of Baltic Sea Ice Thickness Distributions. , 2006, , .		1
138	Sea ice feedbacks observed in western Weddell Sea. Eos, 2006, 87, 173.	0.1	30
139	Parameterization of Arctic Sea-ice Surface roughness for application in ice type classification. Annals of Glaciology, 2006, 44, 224-230.	1.4	12
140	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
141	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
142	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
143	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
144	Airborne Electromagnetic Sea Ice Thickness Sounding in Shallow, Brackish Water Environments of the Caspian and Baltic Seas. , 2006, , .		3

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145	Late-summer sea ice thickness variability in the Arctic Transpolar Drift 1991-2001 derived from ground-based electromagnetic sounding. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	43
146	Surface ice and gap layers in Antarctic sea ice: highly productive habitats. <i>Marine Ecology - Progress Series</i> , 2004, 277, 1-12.	1.9	49
147	Observations of superimposed ice formation at melt-onset on fast ice on Kongsfjorden, Svalbard. <i>Physics and Chemistry of the Earth</i> , 2003, 28, 1241-1248.	2.9	44
148	Bowling mermaids; or, How do beach ice balls form?. <i>Journal of Glaciology</i> , 2003, 49, 605-606.	2.2	2
149	Tank study of physico-chemical controls on gas content and composition during growth of young sea ice. <i>Journal of Glaciology</i> , 2002, 48, 177-191.	2.2	79
150	Micro-optodes in sea ice: a new approach to investigate oxygen dynamics during sea ice formation. <i>Aquatic Microbial Ecology</i> , 2002, 29, 297-306.	1.8	43
151	Particulate organic matter in Antarctic summer sea ice: concentration and stable isotopic composition. <i>Marine Ecology - Progress Series</i> , 2002, 238, 1-13.	1.9	83
152	Interannual variability of summer sea ice thickness in the Siberian and central Arctic under different atmospheric circulation regimes. <i>Journal of Geophysical Research</i> , 2001, 106, 4449-4462.	3.3	54
153	Snow on Antarctic sea ice. <i>Reviews of Geophysics</i> , 2001, 39, 413-445.	23.0	287
154	Dissolved carbohydrates in Antarctic sea ice. <i>Antarctic Science</i> , 2001, 13, 119-125.	0.9	42
155	The occurrence of the copepods <i>Stephos longipes</i> (Calanoida) and <i>Drescheriella glacialis</i> (Harpacticoida) in summer sea ice in the Weddell Sea, Antarctica. <i>Antarctic Science</i> , 2001, 13, 150-157.	0.9	38
156	The seasonal cycle of ERS scatterometer signatures over perennial Antarctic sea ice and associated surface ice properties and processes. <i>Annals of Glaciology</i> , 2001, 33, 69-73.	1.4	43
157	Dissolved organic matter in Antarctic sea ice. <i>Annals of Glaciology</i> , 2001, 33, 297-303.	1.4	98
158	Behaviour of dissolved organic matter and inorganic nutrients during experimental sea-ice formation. <i>Annals of Glaciology</i> , 2001, 33, 317-321.	1.4	75
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