

Soren Rysgaard

List of Publications by Year in descending order

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Version: 2024-02-01

213
papers

13,014
citations

25014

57
h-index

29127

104
g-index

228
all docs

228
docs citations

228
times ranked

11100
citing authors

#	ARTICLE	IF	CITATIONS
1	Air-sea flux of CO ₂ in arctic coastal waters influenced by glacial melt water and sea ice. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 63, 815.	0.8	58
2	Biodegradation of water-accommodated aromatic oil compounds in Arctic seawater at 0°C. <i>Chemosphere</i> , 2022, 286, 131751.	4.2	11
3	Monitoring a changing Arctic: Recent advancements in the study of sea ice microbial communities. <i>Ambio</i> , 2022, 51, 318-332.	2.8	12
4	Net heterotrophy in High Arctic first-year and multi-year spring sea ice. <i>Elementa</i> , 2022, 10, .	1.1	1
5	Lightweight drone-deployed autonomous ocean profiler for repeated measurements in hazardous areas – Example from glacier fronts in NE Greenland. <i>HardwareX</i> , 2022, 11, e00313.	1.1	2
6	A mobile observatory powered by sun and wind for near real time measurements of atmospheric, glacial, terrestrial, limnic and coastal oceanic conditions in remote off-grid areas. <i>HardwareX</i> , 2022, 12, e00331.	1.1	3
7	Multidecadal Water Mass Dynamics on the West Greenland Shelf. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	1.0	7
8	Sediment-laden sea ice in southern Hudson Bay: Entrainment, transport, and biogeochemical implications. <i>Elementa</i> , 2021, 9, .	1.1	12
9	An under-ice bloom of mixotrophic haptophytes in low nutrient and freshwater-influenced Arctic waters. <i>Scientific Reports</i> , 2021, 11, 2915.	1.6	16
10	The 2017 Mission Arctic Citizen Science Sailing Expedition Conductivity, Temperature, and Depth Profiles in Western Greenland and Baffin Bay. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	2
11	Vertical Mixing in Stratified Fjords Near Tidewater Outlet Glaciers Along Northwest Greenland. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016898.	1.0	5
12	A cost-efficient low-weight autonomous profiler for measurements in polar coastal waters and other regions with strong density gradients. <i>HardwareX</i> , 2021, 10, e00207.	1.1	0
13	Investigation into the geometry and distribution of oil inclusions in sea ice using non-destructive X-ray microtomography and its implications for remote sensing and mitigation potential. <i>Marine Pollution Bulletin</i> , 2021, 173, 112996.	2.3	5
14	Landfast sea ice in the Bothnian Bay (Baltic Sea) as a temporary storage compartment for greenhouse gases. <i>Elementa</i> , 2021, 9, .	1.1	2
15	Meteoric water contribution to sea ice formation and its control of the surface water carbonate cycle on the Wandel Sea shelf, northeastern Greenland. <i>Elementa</i> , 2021, 9, .	1.1	3
16	Towards a unifying pan-arctic perspective: A conceptual modelling toolkit. <i>Progress in Oceanography</i> , 2020, 189, 102455.	1.5	30
17	Shells of the bivalve <i>Astarte moerchi</i> give new evidence of a strong pelagic-benthic coupling shift occurring since the late 1970s in the North Water polynya. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20190353.	1.6	14
18	Subglacial Discharge and Its Down-fjord Transformation in West Greenland Fjords With an Ice Mlange. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2020JC016301.	1.0	24

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19	An affordable and miniature ice coring drill for rapid acquisition of small iceberg samples. <i>HardwareX</i> , 2020, 7, e00101.	1.1	1
20	An Updated View on Water Masses on the panâ€West Greenland Continental Shelf and Their Link to Proglacial Fjords. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015564.	1.0	41
21	Green Edge ice camp campaigns: understanding the processes controlling the under-ice Arctic phytoplankton spring bloom. <i>Earth System Science Data</i> , 2020, 12, 151-176.	3.7	32
22	Sea-ice and water dynamics and moonlight impact the acoustic backscatter diurnal signal over the eastern Beaufort Sea continental slope. <i>Ocean Science</i> , 2020, 16, 1261-1283.	1.3	5
23	The Case for a Sustained Greenland Ice Sheet-Ocean Observing System (GrIOOS). <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	24
24	Response of the Arctic Marine Inorganic Carbon System to Ice Algae and Underâ€Ice Phytoplankton Blooms: A Case Study Along the Fastâ€Ice Edge of Baffin Bay. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 1277-1293.	1.0	6
25	An affordable and portable autonomous surface vehicle with obstacle avoidance for coastal ocean monitoring. <i>HardwareX</i> , 2019, 5, e00059.	1.1	28
26	Evidence of Freezing Pressure in Sea Ice Discrete Brine Inclusions and Its Impact on Aqueousâ€Gaseous Equilibrium. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 1660-1678.	1.0	8
27	Melt Procedure Affects the Photosynthetic Response of Sea Ice Algae. <i>Frontiers in Earth Science</i> , 2019, 7, .	0.8	27
28	Retrieval of Ice Samples Using the Ice Drone. <i>Frontiers in Earth Science</i> , 2019, 7, .	0.8	16
29	Variability of the Pacificâ€Derived Arctic Water Over the Southeastern Wandel Sea Shelf (Northeast) Tj ETQq1 1 0.784314 rgBT /Overlo	1.0	19
30	In situ biodegradation, photooxidation and dissolution of petroleum compounds in Arctic seawater and sea ice. <i>Water Research</i> , 2019, 148, 459-468.	5.3	39
31	Feeding ecology of capelin (<i>Mallotus villosus</i>) in a fjord impacted by glacial meltwater (Godthâ€bsfjord, Greenland). <i>Polar Biology</i> , 2019, 42, 81-98.	0.5	12
32	Effects of microbial processes and CaCO ₃ dynamics on inorganic carbon cycling in snow-covered Arctic winter sea ice. <i>Marine Ecology - Progress Series</i> , 2019, 611, 31-44.	0.9	7
33	Coastal Freshening Prevents Fjord Bottom Water Renewal in Northeast Greenland: A Mooring Study From 2003 to 2015. <i>Geophysical Research Letters</i> , 2018, 45, 2726-2733.	1.5	25
34	Bacterial community succession and degradation patterns of hydrocarbons in seawater at low temperature. <i>Journal of Hazardous Materials</i> , 2018, 353, 127-134.	6.5	21
35	Spatial and temporal variability of seawater pCO ₂ within the Canadian Arctic Archipelago and Baffin Bay during the summer and autumn 2011. <i>Continental Shelf Research</i> , 2018, 156, 1-10.	0.9	8
36	High geothermal heat flux in close proximity to the Northeast Greenland Ice Stream. <i>Scientific Reports</i> , 2018, 8, 1344.	1.6	18

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37	Linking the Modern Distribution of Biogenic Proxies in High Arctic Greenland Shelf Sediments to Sea Ice, Primary Production, and Arctic Atlantic Inflow. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 760-786.	1.3	34
38	Assessment and improvement of the sea ice processing for dissolved inorganic carbon analysis. <i>Limnology and Oceanography: Methods</i> , 2018, 16, 83-91.	1.0	8
39	Seasonal dynamics of algal and bacterial communities in Arctic sea ice under variable snow cover. <i>Polar Biology</i> , 2018, 41, 41-58.	0.5	44
40	Examining the Impact of a Crude Oil Spill on the Permittivity Profile and Normalized Radar Cross Section of Young Sea Ice. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 921-936.	2.7	14
41	Species identification and connectivity of marine amphipods in Canada's three oceans. <i>PLoS ONE</i> , 2018, 13, e0197174.	1.1	22
42	Spring Succession and Vertical Export of Diatoms and IP25 in a Seasonally Ice-Covered High Arctic Fjord. <i>Frontiers in Earth Science</i> , 2018, 6, .	0.8	28
43	Remote Sensing of Oil Spills in Freezing Environments at the University of Manitoba Sea-ice Environmental Research Facility. , 2018, , .		0
44	Adapting open-source drone autopilots for real-time iceberg observations. <i>MethodsX</i> , 2018, 5, 1059-1072.	0.7	11
45	Local Coastal Water Masses Control Heat Levels in a West Greenland Tidewater Outlet Glacier Fjord. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 8068-8083.	1.0	23
46	Oxygen fluxes beneath Arctic land-fast ice and pack ice: towards estimates of ice productivity. <i>Polar Biology</i> , 2018, 41, 2119-2134.	0.5	10
47	The Inferred Formation of a Subice Platelet Layer Below the Multiyear Landfast Sea Ice in the Wandel Sea (NE Greenland) Induced by Meltwater Drainage. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 3489-3506.	1.0	10
48	A Controlled Experiment on Oil Release Beneath Thin Sea Ice and Its Electromagnetic Detection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 4406-4419.	2.7	18
49	Wind-forced depth-dependent currents over the eastern Beaufort Sea continental slope: Implications for Pacific water transport. <i>Elementa</i> , 2018, 6, .	1.1	8
50	Current use pesticide and legacy organochlorine pesticide dynamics at the ocean-sea ice-atmosphere interface in resolute passage, Canadian Arctic, during winter-summer transition. <i>Science of the Total Environment</i> , 2017, 580, 1460-1469.	3.9	38
51	An Electromagnetic Detection Case Study on Crude Oil Injection in a Young Sea Ice Environment. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 4465-4475.	2.7	17
52	Nutrient availability limits biological production in Arctic sea ice melt ponds. <i>Polar Biology</i> , 2017, 40, 1593-1606.	0.5	12
53	Evidence of local and regional freshening of Northeast Greenland coastal waters. <i>Scientific Reports</i> , 2017, 7, 13183.	1.6	57
54	BedMachine v3: Complete Bed Topography and Ocean Bathymetry Mapping of Greenland From Multibeam Echo Sounding Combined With Mass Conservation. <i>Geophysical Research Letters</i> , 2017, 44, 11051-11061.	1.5	536

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55	Sea ice breakup and marine melt of a retreating tidewater outlet glacier in northeast Greenland (81°N). <i>Scientific Reports</i> , 2017, 7, 4941.	1.6	27
56	Fractionation of hydrogen and oxygen in artificial sea ice with corrections for salinity for determining meteorological water content in bulk ice samples. <i>Cold Regions Science and Technology</i> , 2017, 142, 93-99.	1.6	5
57	Marine-terminating glaciers sustain high productivity in Greenland fjords. <i>Global Change Biology</i> , 2017, 23, 5344-5357.	4.2	192
58	A synthesis of the arctic terrestrial and marine carbon cycles under pressure from a dwindling cryosphere. <i>Ambio</i> , 2017, 46, 53-69.	2.8	56
59	Sea ice and primary production proxies in surface sediments from a High Arctic Greenland fjord: Spatial distribution and implications for palaeoenvironmental studies. <i>Ambio</i> , 2017, 46, 106-118.	2.8	38
60	Circulation and fjord-shelf exchange during the ice-covered period in Young Sound-Tyrolerfjord, Northeast Greenland (74°N). <i>Estuarine, Coastal and Shelf Science</i> , 2017, 194, 205-216.	0.9	15
61	Asynchronous behavior of outlet glaciers feeding Godthåbsfjord (Nuup Kangerlua) and the triggering of Narsap Sermia's retreat in SW Greenland. <i>Journal of Glaciology</i> , 2017, 63, 288-308.	1.1	40
62	An experimental study of microwave remote sensing of oil-contaminated young sea ice. , 2017, , .		1
63	Bergy Bit and Melt Water Trajectories in Godthåbsfjord (SW Greenland) Observed by the Expendable Ice Tracker. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	15
64	Arctic Ocean outflow and glacier-ocean interactions modify water over the Wandel Sea shelf (northeastern Greenland). <i>Ocean Science</i> , 2017, 13, 1045-1060.	1.3	14
65	Storm-induced water dynamics and thermohaline structure at the tidewater Flade Isblink Glacier outlet to the Wandel Sea (NE Greenland). <i>Ocean Science</i> , 2017, 13, 947-959.	1.3	12
66	Net community production in the bottom of first-year sea ice over the Arctic spring bloom. <i>Geophysical Research Letters</i> , 2017, 44, 8971-8978.	1.5	23
67	Food resources of the bivalve <i>Astarte elliptica</i> in a sub-Arctic fjord: a multi-biomarker approach. <i>Marine Ecology - Progress Series</i> , 2017, 567, 139-156.	0.9	28
68	FTIR imaging analysis of cell content in sea-ice diatom taxa during a spring bloom in the lower Northwest Passage of the Canadian Arctic. <i>Marine Ecology - Progress Series</i> , 2017, 569, 77-88.	0.9	10
69	Pigment composition and photoprotection of Arctic sea ice algae during spring. <i>Marine Ecology - Progress Series</i> , 2017, 585, 49-69.	0.9	24
70	Estimates of ikaite export from sea ice to the underlying seawater in sea ice-seawater mesocosm. <i>Cryosphere</i> , 2016, 10, 2173-2189.	1.5	20
71	The influence of winter and summer atmospheric circulation on the variability of temperature and sea ice around Greenland. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2016, 68, 31971.	0.8	8
72	Imaging air volume fraction in sea ice using non-destructive X-ray tomography. <i>Cryosphere</i> , 2016, 10, 1125-1145.	1.5	33

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73	Importance of combined winter and summer Arctic Oscillation (AO) on September sea ice extent. Environmental Research Letters, 2016, 11, 034019.	2.2	32
74	Community dynamics of bottom-ice algae in Dease Strait of the Canadian Arctic. Progress in Oceanography, 2016, 149, 27-39.	1.5	35
75	Wintertime water dynamics and moonlight disruption of the acoustic backscatter diurnal signal in an ice-covered Northeast Greenland fjord. Journal of Geophysical Research: Oceans, 2016, 121, 4804-4818.	1.0	9
76	The transformation and fate of sub-Arctic microphytobenthos carbon revealed through ¹³ C labeling. Limnology and Oceanography, 2016, 61, 2296-2308.	1.6	17
77	High export of dissolved silica from the Greenland Ice Sheet. Geophysical Research Letters, 2016, 43, 9173-9182.	1.5	89
78	Physical processes contributing to an ice free Beaufort Sea during September 2012. Journal of Geophysical Research: Oceans, 2016, 121, 267-283.	1.0	24
79	Replacement of multiyear sea ice and changes in the open water season duration in the Beaufort Sea since 2004. Journal of Geophysical Research: Oceans, 2016, 121, 1806-1823.	1.0	47
80	The relationship between summer sea ice extent in Hudson Bay and the Arctic Ocean via the atmospheric circulation. Atmospheric Science Letters, 2016, 17, 603-609.	0.8	3
81	Spring bloom dynamics in a subarctic fjord influenced by tidewater outlet glaciers (Godthåbsfjord,) Tj ETQq1 1 0.784314 rgBT / Over 1.3 53	1.3	53
82	Upwelling of Atlantic Water along the Canadian Beaufort Sea Continental Slope: Favorable Atmospheric Conditions and Seasonal and Interannual Variations. Journal of Climate, 2016, 29, 4509-4523.	1.2	16
83	Open-Ended Coaxial Probe Technique for Dielectric Spectroscopy of Artificially Grown Sea Ice. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 4941-4951.	2.7	40
84	Assessment of the sea-ice carbon pump: Insights from a three-dimensional ocean-sea-ice-biogeochemical model (MPIOM/HAMOCC). Elementa, 2016, 4, .	1.1	13
85	Is summer sea surface temperature over the Arctic Ocean connected to winter air temperature over North America?. Climate Research, 2016, 70, 19-27.	0.4	0
86	Under-ice eddy covariance flux measurements of heat, salt, momentum, and dissolved oxygen in an artificial sea ice pool. Cold Regions Science and Technology, 2015, 119, 158-169.	1.6	12
87	Selected physical, biological and biogeochemical implications of a rapidly changing Arctic Marginal Ice Zone. Progress in Oceanography, 2015, 139, 122-150.	1.5	140
88	Copepod carcasses as microbial hot spots for pelagic denitrification. Limnology and Oceanography, 2015, 60, 2026-2036.	1.6	47
89	The effect of ocean heat flux on seasonal ice growth in Young Sound (Northeast Greenland). Journal of Geophysical Research: Oceans, 2015, 120, 4803-4824.	1.0	12
90	Heat sources for glacial ice melt in a west Greenland tidewater outlet glacier fjord: The role of subglacial freshwater discharge. Geophysical Research Letters, 2015, 42, 4089-4095.	1.5	41

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91	Modelling subglacial discharge and its influence on ocean heat transport in Arctic fjords. <i>Ocean Dynamics</i> , 2015, 65, 1535-1546.	0.9	8
92	Estimating surface fluxes using eddy covariance and numerical ogive optimization. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 2081-2103.	1.9	22
93	Inorganic carbon dynamics of melt-pond-covered first-year sea ice in the Canadian Arctic. <i>Biogeosciences</i> , 2015, 12, 2047-2061.	1.3	31
94	Winter observations of CO ₂ exchange between sea ice and the atmosphere in a coastal fjord environment. <i>Cryosphere</i> , 2015, 9, 1701-1713.	1.5	15
95	Glacial meltwater and primary production are drivers of strong CO ₂ uptake in fjord and coastal waters adjacent to the Greenland Ice Sheet. <i>Biogeosciences</i> , 2015, 12, 2347-2363.	1.3	82
96	Imaged brine inclusions in young sea ice – Shape, distribution and formation timing. <i>Cold Regions Science and Technology</i> , 2015, 111, 39-48.	1.6	26
97	Microplankton succession in a SW Greenland tidewater glacial fjord influenced by coastal inflows and run-off from the Greenland Ice Sheet. <i>Polar Biology</i> , 2015, 38, 1515-1533.	0.5	24
98	Summer-to-Winter Sea-Ice Linkage between the Arctic Ocean and the Okhotsk Sea through Atmospheric Circulation. <i>Journal of Climate</i> , 2015, 28, 4971-4979.	1.2	8
99	Quantifying Energy and Mass Fluxes Controlling Godthåbsfjord Freshwater Input in a 5-km Simulation (1991–2012)*,+. <i>Journal of Climate</i> , 2015, 28, 3694-3713.	1.2	64
100	The delivery of organic contaminants to the Arctic food web: Why sea ice matters. <i>Science of the Total Environment</i> , 2015, 506-507, 444-452.	3.9	31
101	Polynya impacts on water properties in a Northeast Greenland fjord. <i>Estuarine, Coastal and Shelf Science</i> , 2015, 153, 10-17.	0.9	24
102	Metabolic cold adaptation and aerobic performance of blue mussels (<i>Mytilus edulis</i>) along a temperature gradient into the High Arctic region. <i>Marine Biology</i> , 2015, 162, 235-243.	0.7	36
103	Micrometeorological and Thermal Control of Frost Flower Growth and Decay on Young Sea Ice. <i>Arctic</i> , 2015, 68, 79.	0.2	11
104	Seasonal and interannual phytoplankton production in a sub-Arctic tidewater outlet glacier fjord, SW Greenland. <i>Marine Ecology - Progress Series</i> , 2015, 524, 27-38.	0.9	94
105	Seasonal carbon cycling in a Greenlandic fjord: an integrated pelagic and benthic study. <i>Marine Ecology - Progress Series</i> , 2015, 539, 1-17.	0.9	28
106	Ice-dammed lake drainage cools and raises surface salinities in a tidewater outlet glacier fjord, west Greenland. <i>Journal of Geophysical Research F: Earth Surface</i> , 2014, 119, 1310-1321.	1.0	34
107	First <i>in situ</i> determination of gas transport coefficients (K_L , K_H , and K_A) from bulk gas concentration measurements (O_2 , N_2 , Ar) in natural sea ice. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 6655-6668.	1.0	29
108	Surface energy budget of landfast sea ice during the transitions from winter to snowmelt and melt pond onset: The importance of net longwave radiation and cyclone forcings. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 3679-3693.	1.0	19

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109	CO ₂ and CH ₄ in sea ice from a subarctic fjord under influence of riverine input. <i>Biogeosciences</i> , 2014, 11, 6525-6538.	1.3	17
110	Parameterization of atmosphere–surface exchange of CO ₂ over sea ice. <i>Cryosphere</i> , 2014, 8, 853-866.	1.5	18
111	Seasonal variability of the circulation system in a west Greenland tidewater outlet glacier fjord, Godthåbsfjord (64°N). <i>Journal of Geophysical Research F: Earth Surface</i> , 2014, 119, 2591-2603.	1.0	56
112	Frost flowers on young Arctic sea ice: The climatic, chemical, and microbial significance of an emerging ice type. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 11,593-11,612.	1.2	45
113	Temporal dynamics of ikaite in experimental sea ice. <i>Cryosphere</i> , 2014, 8, 1469-1478.	1.5	32
114	Sea ice and air–ice CO ₂ fluxes during the Sea Ice Mass Balance in the Antarctic (SIMBA) experiment – Bellingshausen Sea, Antarctica. <i>Cryosphere</i> , 2014, 8, 2395-2407.	1.5	20
115	Transformation of Mercury at the Bottom of the Arctic Food Web: An Overlooked Puzzle in the Mercury Exposure Narrative. <i>Environmental Science & Technology</i> , 2014, 48, 7280-7288.	4.6	33
116	Seasonal dynamics of autotrophic and heterotrophic plankton metabolism and P _{CO2} in a subarctic Greenland fjord. <i>Limnology and Oceanography</i> , 2014, 59, 1764-1778.	1.6	23
117	Seasonal surface layer dynamics and sensitivity to runoff in a high Arctic fjord (Young) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 4	1.0	40
118	Biological- and physical-induced oxygen dynamics in melting sea ice of the Fram Strait. <i>Limnology and Oceanography</i> , 2014, 59, 1097-1111.	1.6	28
119	Seasonal rates of benthic primary production in a Greenland fjord measured by aquatic eddy correlation. <i>Limnology and Oceanography</i> , 2014, 59, 1555-1569.	1.6	61
120	Climate change and ice hazards in the Beaufort Sea. <i>Elementa</i> , 2014, 2, .	1.1	15
121	pH evolution in sea ice grown at an outdoor experimental facility. <i>Marine Chemistry</i> , 2013, 154, 46-54.	0.9	44
122	The relative contributions of biological and abiotic processes to carbon dynamics in subarctic sea ice. <i>Polar Biology</i> , 2013, 36, 1761-1777.	0.5	34
123	A 5-year study of seasonal patterns in mesozooplankton community structure in a sub-Arctic fjord reveals dominance of <i>Microsetella norvegica</i> (Crustacea, Copepoda). <i>Journal of Plankton Research</i> , 2013, 35, 105-120.	0.8	54
124	The impact of lower sea-ice extent on Arctic greenhouse-gas exchange. <i>Nature Climate Change</i> , 2013, 3, 195-202.	8.1	119
125	Further observations of a decreasing atmospheric CO ₂ uptake capacity in the Canada Basin (Arctic Ocean) due to sea ice loss. <i>Geophysical Research Letters</i> , 2013, 40, 1132-1137.	1.5	58
126	Ikaite crystal distribution in winter sea ice and implications for CO ₂ system dynamics. <i>Cryosphere</i> , 2013, 7, 707-718.	1.5	79

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127	Gypsum crystals observed in experimental and natural sea ice. <i>Geophysical Research Letters</i> , 2013, 40, 6362-6367.	1.5	30
128	On the seasonal freshwater stratification in the proximity of fast-flowing tidewater outlet glaciers in a sub-Arctic sill fjord. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 1382-1395.	1.0	111
129	Short-term variability in bacterial abundance, cell properties, and incorporation of leucine and thymidine in subarctic sea ice. <i>Aquatic Microbial Ecology</i> , 2013, 71, 57-73.	0.9	29
130	Ice crystals in melting sea ice – implications for CO ₂ and pH levels in Arctic surface waters. <i>Cryosphere</i> , 2012, 6, 901-908.	1.5	91
131	Hydrology-linked spatial distribution of pesticides in a fjord system in Greenland. <i>Journal of Environmental Monitoring</i> , 2012, 14, 1437.	2.1	13
132	Microbial community structure of Arctic multiyear sea ice and surface seawater by 454 sequencing of the 16S RNA gene. <i>ISME Journal</i> , 2012, 6, 11-20.	4.4	175
133	Feeding ecology of capelin (<i>Mallotus villosus</i> MÅller) in West Greenland waters. <i>Polar Biology</i> , 2012, 35, 1533-1543.	0.5	18
134	Oxygen exchange and ice melt measured at the ice-water interface by eddy correlation. <i>Biogeosciences</i> , 2012, 9, 1957-1967.	1.3	34
135	Oxygen isotope ratios in the shell of <i>Mytilus edulis</i> : archives of glacier meltwater in Greenland?. <i>Biogeosciences</i> , 2012, 9, 5231-5241.	1.3	23
136	Seasonal sea ice cover as principal driver of spatial and temporal variation in depth extension and annual production of kelp in Greenland. <i>Global Change Biology</i> , 2012, 18, 2981-2994.	4.2	113
137	High air-sea CO ₂ uptake rates in nearshore and shelf areas of Southern Greenland: Temporal and spatial variability. <i>Marine Chemistry</i> , 2012, 128-129, 26-33.	0.9	56
138	Submarine melting of the 1985 Jakobshavn Isbrae floating tongue and the triggering of the current retreat. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	183
139	Heat sources for glacial melt in a sub-Arctic fjord (Godthåbsfjord) in contact with the Greenland Ice Sheet. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	164
140	Tradition and Technology: Sea Ice Science on Inuit Sleds. <i>Eos</i> , 2011, 92, 1-4.	0.1	3
141	Copepod guts as biogeochemical hotspots in the sea: Evidence from microelectrode profiling of <i>Calanus</i> spp. <i>Limnology and Oceanography</i> , 2011, 56, 666-672.	1.6	82
142	Coastal tides in West Greenland derived from tide gauge records. <i>Ocean Dynamics</i> , 2011, 61, 39-49.	0.9	33
143	Abundance and energy requirements of eiders (<i>Somateria</i> spp.) suggest high predation pressure on macrobenthic fauna in a key wintering habitat in SW Greenland. <i>Polar Biology</i> , 2011, 34, 1105-1116.	0.5	7
144	Growth limitation of three Arctic sea ice algal species: effects of salinity, pH, and inorganic carbon availability. <i>Polar Biology</i> , 2011, 34, 1157-1165.	0.5	29

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145	Energy content and fecundity of capelin (<i>Mallotus villosus</i>) along a 1,500-km latitudinal gradient. <i>Marine Biology</i> , 2011, 158, 1319-1330.	0.7	24
146	Grazing, egg production, and biochemical evidence of differences in the life strategies of <i>Calanus finmarchicus</i> , <i>C. glacialis</i> and <i>C. hyperboreus</i> in Disko Bay, western Greenland. <i>Marine Ecology - Progress Series</i> , 2011, 429, 125-144.	0.9	101
147	Sea ice contribution to the air-sea CO ₂ exchange in the Arctic and Southern Oceans. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2011, 63, .	0.8	30
148	Application of the isotope pairing technique in sediments where anammox and denitrification co-exist. <i>Limnology and Oceanography: Methods</i> , 2011, 1, 63-73.	1.0	72
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151	Widespread occurrence of nitrate storage and denitrification among Foraminifera and <i>Gromiida</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 1148-1153.	3.3	253
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156	Autotrophic and heterotrophic activity in Arctic first-year sea ice: seasonal study from Malene Bight, SW Greenland. <i>Marine Ecology - Progress Series</i> , 2010, 419, 31-45.	0.9	48
157	Increased CO ₂ uptake due to sea ice growth and decay in the Nordic Seas. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	86
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159	Ecological Dynamics Across the Arctic Associated with Recent Climate Change. <i>Science</i> , 2009, 325, 1355-1358.	6.0	1,043
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161	Sea ice cover affects inter-annual and geographic variation in growth of the Arctic cockle <i>Clinocardium ciliatum</i> (<i>Bivalvia</i>) in Greenland. <i>Marine Ecology - Progress Series</i> , 2009, 389, 149-158.	0.9	54
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170	Carbon cycling in a high-arctic marine ecosystem – Young Sound, NE Greenland. <i>Progress in Oceanography</i> , 2006, 71, 426-445.	1.5	36
171	Denitrification and anammox activity in Arctic marine sediments. <i>Limnology and Oceanography</i> , 2004, 49, 1493-1502.	1.6	283
172	Effects of food concentration on clearance rate and energy budget of the Arctic bivalve <i>Hiatella arctica</i> (L) at subzero temperature. <i>Journal of Experimental Marine Biology and Ecology</i> , 2004, 311, 171-183.	0.7	28
173	Reply to comment on our paper “Comparison of isotope pairing and N ₂ :Ar methods for measuring sediment denitrification”. <i>Estuaries and Coasts</i> , 2004, 27, 177-178.	1.7	14
174	A conspicuous H ₂ S-oxidizing microbial mat from a high-latitude Arctic fjord (Young Sound, NE) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30	0.7	17
175	Anaerobic N ₂ production in Arctic sea ice. <i>Limnology and Oceanography</i> , 2004, 49, 86-94.	1.6	169
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187	Growth and production of <i>Hiatella arctica</i> (<i>Bivalvia</i>) in a high-Arctic fjord (Young Sound, Northeast) Tj ETQq1 1 0.784314 rgBT /Overlock	0.9	45
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200	A sensitive method for determining nitrogen-15 isotope in urea. <i>Marine Biology</i> , 1997, 128, 191-195.	0.7	8
201	Primary production, nutrient dynamics and mineralisation in a northeastern Greenland fjord during the summer thaw. <i>Polar Biology</i> , 1996, 16, 497-506.	0.5	29
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203	Reply to the note by Middelburg et al. <i>Limnology and Oceanography</i> , 1996, 41, 1845-1846.	1.6	9
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