Soren Rysgaard

List of Publications by Year
in descending order

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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	Ecological Dynamics Across the Arctic Associated with Recent Climate Change. Science, 2009, 325, 1355-1358.	6.0	1,043
2	BedMachine v3: Complete Bed Topography and Ocean Bathymetry Mapping of Greenland From Multibeam Echo Sounding Combined With Mass Conservation. Geophysical Research Letters, 2017, 44, 11051-11061.	1.5	536
3	Interpretation of measured concentration profiles in sediment pore water. Limnology and Oceanography, 1998, 43, 1500-1510.	1.6	503
4	Anaerobic ammonium-oxidizing bacteria in marine environments: widespread occurrence but low diversity. Environmental Microbiology, 2007, 9, 1476-1484.	1.8	307
5	Effects of Salinity on NH 4 + Adsorption Capacity, Nitrification, and Denitrification in Danish Estuarine Sediments. Estuaries and Coasts, 1999, 22, 21.	1.7	296
6	Oxygen regulation of nitrification and denitrification in sediments. Limnology and Oceanography, 1994, 39, 1643-1652.	1.6	294
7	Denitrification and anammox activity in Arctic marine sediments. Limnology and Oceanography, 2004, 49, 1493-1502.	1.6	283
8	Widespread occurrence of nitrate storage and denitrification among Foraminifera andGromiida. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 1148-1153.	3.3	253
9	Seasonal variation in nitrification and denitrification in estuarine sediment colonized by benthic microalgae and bioturbating infauna. Marine Ecology - Progress Series, 1995, 126, 111-121.	0.9	236
10	Anaerobic ammonium oxidation in an estuarine sediment. Aquatic Microbial Ecology, 2004, 36, 293-304.	0.9	232
11	Inorganic carbon transport during sea ice growth and decay: A carbon pump in polar seas. Journal of Geophysical Research, 2007, 112, .	3.3	199
12	Comparison of isotope pairing and N2:Ar methods for measuring sediment denitrificationâ€"Assumption, modifications, and implications. Estuaries and Coasts, 2002, 25, 1077-1087.	1.7	196
13	Application of the isotope pairing technique in sediments where anammox and denitrification coexist. Limnology and Oceanography: Methods, 2003, 1, 63-73.	1.0	193
14	Seasonal variation in nutrients, pelagic primary production and grazing in a high-Arctic coastal marine ecosystem, Young Sound, Northeast Greenland. Marine Ecology - Progress Series, 1999, 179, 13-25.	0.9	193
15	Marineâ€terminating glaciers sustain high productivity in Greenland fjords. Global Change Biology, 2017, 23, 5344-5357.	4.2	192
16	Submarine melting of the 1985 Jakobshavn Isbrae floating tongue and the triggering of the current retreat. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	183
17	Nitrification and Denitrification in Lake and Estuarine Sediments Measured by the ¹⁵ N Dilution Technique and Isotope Pairing. Applied and Environmental Microbiology, 1993, 59, 2093-2098.	1.4	178
18	Microbial community structure of Arctic multiyear sea ice and surface seawater by 454 sequencing of the 16S RNA gene. ISME Journal, 2012, 6, 11-20.	4.4	175

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19	Anaerobic N₂ production in Arctic sea ice. Limnology and Oceanography, 2004, 49, 86-94.	1.6	169
20	Heat sources for glacial melt in a sub-Arctic fjord (GodthÃ¥bsfjord) in contact with the Greenland Ice Sheet. Journal of Geophysical Research, 2011, 116, .	3.3	164
21	Seasonal carbon and nutrient mineralization in a high-Arctic coastal marine sediment, Young Sound, Northeast Greenland. Marine Ecology - Progress Series, 1998, 175, 261-276.	0.9	164
22	Photosynthetic performance of surface-associated algae below sea ice as measured with a pulse-amplitude-modulated (PAM) fluorometer and O2 microsensors. Marine Ecology - Progress Series, 2001, 223, 1-14.	0.9	150
23	Selected physical, biological and biogeochemical implications of a rapidly changing Arctic Marginal Ice Zone. Progress in Oceanography, 2015, 139, 122-150.	1.5	140
24	Biomass, production and horizontal patchiness of sea ice algae in a high-Arctic fjord (Young Sound,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.9	140
25	Diversity of phototrophic bacteria in microbial mats from Arctic hot springs (Greenland). Environmental Microbiology, 2007, 9, 26-38.	1.8	120
26	The impact of lower sea-ice extent on Arctic greenhouse-gas exchange. Nature Climate Change, 2013, 3, 195-202.	8.1	119
27	Seasonal sea ice cover as principal driver of spatial and temporal variation in depth extension and annual production of kelp in Greenland. Global Change Biology, 2012, 18, 2981-2994.	4.2	113
28	On the seasonal freshwater stratification in the proximity of fastâ€flowing tidewater outlet glaciers in a subâ€Arctic sill fjord. Journal of Geophysical Research: Oceans, 2013, 118, 1382-1395.	1.0	111
29	Benthic diatoms of a high Arctic fjord (Young Sound, NE Greenland): importance for ecosystem primary production. Marine Ecology - Progress Series, 2002, 238, 15-29.	0.9	107
30	Rates and regulation of microbial iron reduction in sediments of the Baltic-North Sea transition. Biogeochemistry, 2003, 65, 295-317.	1.7	101
31	Grazing, egg production, and biochemical evidence ofÂdifferences in the life strategies ofÂCalanus finmarchicus, C. glacialis and C.Âhyperboreus inÂDisko Bay, western Greenland. Marine Ecology - Progress Series, 2011, 429, 125-144.	0.9	101
32	Denitrification activity and oxygen dynamics in Arctic sea ice. Polar Biology, 2008, 31, 527-537.	0.5	95
33	Seasonal and interannual phytoplankton production in a sub-Arctic tidewater outlet glacier fjord, SW Greenland. Marine Ecology - Progress Series, 2015, 524, 27-38.	0.9	94
34	Nitrification, denitrification, and nitrate ammonification in sediments of two coastal lagoons in Southern France. Hydrobiologia, 1996, 329, 133-141.	1.0	93
35	Ikaite crystals in melting sea ice â€“ implications for <i>p</i>CO₂ and pH levels in Arctic surface waters. Cryosphere, 2012, 6, 901-908.	1.5	91
36	Underwater observations of foraging free-living Atlantic walruses (Odobenus rosmarus rosmarus) and estimates of their food consumption. Polar Biology, 2003, 26, 348-357.	0.5	90

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37	High export of dissolved silica from the Greenland Ice Sheet. Geophysical Research Letters, 2016, 43, 9173-9182.	1.5	89
38	Patterns of ammonium uptake within dense mats of the filamentous macroalga Chaetomorpha linum. Aquatic Botany, 1997, 59, 99-115.	0.8	88
39	Effects of bioturbation on solutes and solids in marine sediments. Aquatic Microbial Ecology, 2001, 26, 81-94.	0.9	88
40	Increased CO₂ uptake due to sea ice growth and decay in the Nordic Seas. Journal of Geophysical Research, 2009, 114, .	3.3	86
41	Combined Microdiffusionâ€Hypobromite Oxidation Method for Determining Nitrogenâ€15 Isotope in Ammonium. Soil Science Society of America Journal, 1995, 59, 1077-1080.	1.2	85
42	Physical Conditions, Carbon Transport, and Climate Change Impacts in a Northeast Greenland Fjord. Arctic, Antarctic, and Alpine Research, 2003, 35, 301-312.	0.4	84
43	Production within dense mats of the filamentous macroalga Chaetomorpha linum in relation to light and nutrient availability. Marine Ecology - Progress Series, 1996, 134, 207-216.	0.9	84
44	Benthic microalgal production in the Arctic: applied methods and status of the current database. Botanica Marina, 2009, 52, 559-571.	0.6	82
45	Copepod guts as biogeochemical hotspots in the sea: Evidence from microelectrode profiling of Calanus spp. Limnology and Oceanography, 2011, 56, 666-672.	1.6	82
46	Glacial meltwater and primary production are drivers of strong CO₂ uptake in fjord and coastal waters adjacent to the Greenland Ice Sheet. Biogeosciences, 2015, 12, 2347-2363.	1.3	82
47	Oxygen and Nutrient Dynamics within Mats of the Filamentous Macroalga Chaetomorpha linum. Estuaries and Coasts, 1999, 22, 31.	1.7	80
48	Ikaite crystal distribution in winter sea ice and implications for CO₂ system dynamics. Cryosphere, 2013, 7, 707-718.	1.5	79
49	Quantification of denitrification in permeable sediments: Insights from a twoâ€dimensional simulation analysis and experimental data. Limnology and Oceanography: Methods, 2006, 4, 294-307.	1.0	77
50	Differences in plankton community structure along the GodthÃ¥bsfjord, from the Greenland Ice Sheet to offshore waters. Marine Ecology - Progress Series, 2010, 401, 49-62.	0.9	77
51	Microalgal composition and primary production in Arctic sea ice: a seasonal study from Kobbefjord (Kangerluarsunnguaq), West Greenland. Marine Ecology - Progress Series, 2008, 368, 65-74.	0.9	77
52	Application of the isotope pairing technique in sediments where anammox and denitrification co-exist. Limnology and Oceanography: Methods, 2011, 1, 63-73.	1.0	72
53	Benthic carbon mineralization in a high-Arctic sound (Young Sound, NE Greenland). Marine Ecology - Progress Series, 2000, 206, 59-71.	0.9	71
54	PRIMARY PRODUCTION OF CRUSTOSE CORALLINE RED ALGAE IN A HIGH ARCTIC FJORD1. Journal of Phycology, 2002, 38, 273-283.	1.0	68

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55	Quantifying Energy and Mass Fluxes Controlling GodthÃ¥bsfjord Freshwater Input in a 5-km Simulation (1991â€“2012)*,+. Journal of Climate, 2015, 28, 3694-3713.	1.2	64
56	Organic matter degradation through oxygen respiration, denitrification, and manganese, iron, and sulfate reduction in marine sediments (the Kattegat and the Skagerrak). Ophelia, 2001, 55, 77-91.	0.3	61
57	Seasonal rates of benthic primary production in a Greenland fjord measured by aquatic eddy correlation. Limnology and Oceanography, 2014, 59, 1555-1569.	1.6	61
58	A laboratory study on O2 dynamics and photosynthesis in ice algal communities: quantification by microsensors, O2 exchange rates, 14C incubations and a PAM fluorometer. Aquatic Microbial Ecology, 2002, 27, 301-311.	0.9	61
59	Macrozoobenthic community structure in a high-arctic East Greenland fjord. Polar Biology, 2000, 23, 792-801.	0.5	60
60	Benthic O2 exchange across hard-bottom substrates quantified by eddy correlation in a sub-Arctic fjord. Marine Ecology - Progress Series, 2010, 417, 1-12.	0.9	59
61	Airâ€“sea flux of CO₂ in arctic coastal waters influenced by glacial melt water and sea ice. Tellus, Series B: Chemical and Physical Meteorology, 2022, 63, 815.	0.8	58
62	Further observations of a decreasing atmospheric CO₂ uptake capacity in the Canada Basin (Arctic Ocean) due to sea ice loss. Geophysical Research Letters, 2013, 40, 1132-1137.	1.5	58
63	Evidence of local and regional freshening of Northeast Greenland coastal waters. Scientific Reports, 2017, 7, 13183.	1.6	57
64	High airâ€“sea CO2 uptake rates in nearshore and shelf areas of Southern Greenland: Temporal and spatial variability. Marine Chemistry, 2012, 128-129, 26-33.	0.9	56
65	Seasonal variability of the circulation system in a west Greenland tidewater outlet glacier fjord, GodthÃ¥bsfjord (64Â°N). Journal of Geophysical Research F: Earth Surface, 2014, 119, 2591-2603.	1.0	56
66	A synthesis of the arctic terrestrial and marine carbon cycles under pressure from a dwindling cryosphere. Ambio, 2017, 46, 53-69.	2.8	56
67	A 5-year study of seasonal patterns in mesozooplankton community structure in a sub-Arctic fjord reveals dominance of Microsetella norvegica (Crustacea, Copepoda). Journal of Plankton Research, 2013, 35, 105-120.	0.8	54
68	Sea ice cover affects inter-annual and geographic variation in growth of the Arctic cockle Clinocardium ciliatum (Bivalvia) in Greenland. Marine Ecology - Progress Series, 2009, 389, 149-158.	0.9	54
69	Spring bloom dynamics in a subarctic fjord influenced by tidewater outlet glaciers (GodthÃ¥bsfjord,) Tj ETQq1 1 0.784314 rgBT /Over	1.3	53
70	Nitrification, denitrification, and nitrate ammonification in sediments of two coastal lagoons in Southern France. , 1996, , 133-141.		53
71	Growth and production of sea urchin Strongylocentrotus droebachiensis in a high-Arctic fjord, and growth along a climatic gradient (64 to 77Â°N). Marine Ecology - Progress Series, 2007, 341, 89-102.	0.9	50
72	Autotrophic and heterotrophic activity in Arctic first-year sea ice: seasonal study from Malene Bight, SW Greenland. Marine Ecology - Progress Series, 2010, 419, 31-45.	0.9	48

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73	Copepod carcasses as microbial hot spots for pelagic denitrification. Limnology and Oceanography, 2015, 60, 2026-2036.	1.6	47
74	Replacement of multiyear sea ice and changes in the open water season duration in the <scp>B</scp>eaufort <scp>S</scp>ea since 2004. Journal of Geophysical Research: Oceans, 2016, 121, 1806-1823.	1.0	47
75	Feeding behaviour of free-ranging walruses with notes on apparent dextrality of flipper use. BMC Ecology, 2003, 3, 9.	3.0	46
76	Frost flowers on young Arctic sea ice: The climatic, chemical, and microbial significance of an emerging ice type. Journal of Geophysical Research D: Atmospheres, 2014, 119, 11,593-11,612.	1.2	45
77	Growth and production of Hiatella arctica (Bivalvia) in a high-Arctic fjord (Young Sound, Northeast) Tj ETQq1 1 0.784314 rgBT /Overlock	0.9	45
78	pH evolution in sea ice grown at an outdoor experimental facility. Marine Chemistry, 2013, 154, 46-54.	0.9	44
79	Seasonal dynamics of algal and bacterial communities in Arctic sea ice under variable snow cover. Polar Biology, 2018, 41, 41-58.	0.5	44
80	A sensitive assay for determination of 14N/15N isotope distribution in NO3â˜. Journal of Microbiological Methods, 1993, 17, 155-164.	0.7	43
81	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
82	An Updated View on Water Masses on the panâ€West Greenland Continental Shelf and Their Link to Proglacial Fjords. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015564.	1.0	41
83	Seasonal surface layer dynamics and sensitivity to runoff in a high Arctic fjord (Young) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.0	40
84	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
85	Asynchronous behavior of outlet glaciers feeding GodthÃ¥bsfjord (Nuup Kangerlua) and the triggering of Narsap Sermia's retreat in SW Greenland. Journal of Glaciology, 2017, 63, 288-308.	1.1	40
86	In situ biodegradation, photooxidation and dissolution of petroleum compounds in Arctic seawater and sea ice. Water Research, 2019, 148, 459-468.	5.3	39
87	Current use pesticide and legacy organochlorine pesticide dynamics at the ocean-sea ice-atmosphere interface in resolute passage, Canadian Arctic, during winter-summer transition. Science of the Total Environment, 2017, 580, 1460-1469.	3.9	38
88	Sea ice and primary production proxies in surface sediments from a High Arctic Greenland fjord: Spatial distribution and implications for palaeoenvironmental studies. Ambio, 2017, 46, 106-118.	2.8	38
89	Carbon cycling in a high-arctic marine ecosystem â€“ Young Sound, NE Greenland. Progress in Oceanography, 2006, 71, 426-445.	1.5	36
90	Metabolic cold adaptation and aerobic performance of blue mussels (Mytilus edulis) along a temperature gradient into the High Arctic region. Marine Biology, 2015, 162, 235-243.	0.7	36

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91	Community dynamics of bottom-ice algae in Dease Strait of the Canadian Arctic. Progress in Oceanography, 2016, 149, 27-39.	1.5	35
92	Oxygen exchange and ice melt measured at the ice-water interface by eddy correlation. Biogeosciences, 2012, 9, 1957-1967.	1.3	34
93	The relative contributions of biological and abiotic processes to carbon dynamics in subarctic sea ice. Polar Biology, 2013, 36, 1761-1777.	0.5	34
94	Ice-dammed lake drainage cools and raises surface salinities in a tidewater outlet glacier fjord, west Greenland. Journal of Geophysical Research F: Earth Surface, 2014, 119, 1310-1321.	1.0	34
95	Linking the Modern Distribution of Biogenic Proxies in High Arctic Greenland Shelf Sediments to Sea Ice, Primary Production, and Arcticâ€Atlantic Inflow. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 760-786.	1.3	34
96	Coastal tides in West Greenland derived from tide gauge records. Ocean Dynamics, 2011, 61, 39-49.	0.9	33
97	Transformation of Mercury at the Bottom of the Arctic Food Web: An Overlooked Puzzle in the Mercury Exposure Narrative. Environmental Science & Technology, 2014, 48, 7280-7288.	4.6	33
98	Imaging air volume fraction in sea ice using non-destructive X-ray tomography. Cryosphere, 2016, 10, 1125-1145.	1.5	33
99	Temporal dynamics of ikaite in experimental sea ice. Cryosphere, 2014, 8, 1469-1478.	1.5	32
100	Importance of combined winter and summer Arctic Oscillation (AO) on September sea ice extent. Environmental Research Letters, 2016, 11, 034019.	2.2	32
101	Green Edge ice camp campaigns: understanding the processes controlling the under-ice Arctic phytoplankton spring bloom. Earth System Science Data, 2020, 12, 151-176.	3.7	32
102	Inorganic carbon dynamics of melt-pond-covered first-year sea ice in the Canadian Arctic. Biogeosciences, 2015, 12, 2047-2061.	1.3	31
103	The delivery of organic contaminants to the Arctic food web: Why sea ice matters. Science of the Total Environment, 2015, 506-507, 444-452.	3.9	31
104	Seasonal growth variation in Chlamys islandica (Bivalvia) from sub-Arctic Greenland is linked to food availability and temperature. Marine Ecology - Progress Series, 2010, 407, 71-86.	0.9	31
105	Gypsum crystals observed in experimental and natural sea ice. Geophysical Research Letters, 2013, 40, 6362-6367.	1.5	30
106	Towards a unifying pan-arctic perspective: A conceptual modelling toolkit. Progress in Oceanography, 2020, 189, 102455.	1.5	30
107	Sea ice contribution to the airâ€“sea CO₂ exchange in the Arctic and Southern Oceans. Tellus, Series B: Chemical and Physical Meteorology, 2011, 63, .	0.8	30
108	Primary production, nutrient dynamics and mineralisation in a northeastern Greenland fjord during the summer thaw. Polar Biology, 1996, 16, 497-506.	0.5	29

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109	Growth limitation of three Arctic sea ice algal species: effects of salinity, pH, and inorganic carbon availability. Polar Biology, 2011, 34, 1157-1165.	0.5	29
110	First â€œin situâ€•determination of gas transport coefficients (, , and) from bulk gas concentration measurements (O₂, N₂, Ar) in natural sea ice. Journal of Geophysical Research: Oceans, 2014, 119, 6655-6668.	1.0	29
111	Short-term variability in bacterial abundance, cell properties, and incorporation of leucine and thymidine in subarctic sea ice. Aquatic Microbial Ecology, 2013, 71, 57-73.	0.9	29
112	Effects of food concentration on clearance rate and energy budget of the Arctic bivalve Hiatella arctica (L) at subzero temperature. Journal of Experimental Marine Biology and Ecology, 2004, 311, 171-183.	0.7	28
113	Biological- and physical-induced oxygen dynamics in melting sea ice of the Fram Strait. Limnology and Oceanography, 2014, 59, 1097-1111.	1.6	28
114	Spring Succession and Vertical Export of Diatoms and IP25 in a Seasonally Ice-Covered High Arctic Fjord. Frontiers in Earth Science, 2018, 6, .	0.8	28
115	An affordable and portable autonomous surface vehicle with obstacle avoidance for coastal ocean monitoring. HardwareX, 2019, 5, e00059.	1.1	28
116	Seasonal carbon cycling in a Greenlandic fjord: an integrated pelagic and benthic study. Marine Ecology - Progress Series, 2015, 539, 1-17.	0.9	28
117	Food resources of the bivalve Astarte elliptica in a sub-Arctic fjord: a multi-biomarker approach. Marine Ecology - Progress Series, 2017, 567, 139-156.	0.9	28
118	Sea ice breakup and marine melt of a retreating tidewater outlet glacier in northeast Greenland (81Â°N). Scientific Reports, 2017, 7, 4941.	1.6	27
119	Melt Procedure Affects the Photosynthetic Response of Sea Ice Algae. Frontiers in Earth Science, 2019, 7, .	0.8	27
120	Imaged brine inclusions in young sea iceâ€”Shape, distribution and formation timing. Cold Regions Science and Technology, 2015, 111, 39-48.	1.6	26
121	Coastal Freshening Prevents Fjord Bottom Water Renewal in Northeast Greenland: A Mooring Study From 2003 to 2015. Geophysical Research Letters, 2018, 45, 2726-2733.	1.5	25
122	Energy content and fecundity of capelin (Mallotus villosus) along a 1,500-km latitudinal gradient. Marine Biology, 2011, 158, 1319-1330.	0.7	24
123	Microplankton succession in a SW Greenland tidewater glacial fjord influenced by coastal inflows and run-off from the Greenland Ice Sheet. Polar Biology, 2015, 38, 1515-1533.	0.5	24
124	Polynya impacts on water properties in a Northeast Greenland fjord. Estuarine, Coastal and Shelf Science, 2015, 153, 10-17.	0.9	24
125	Physical processes contributing to an ice free <scp>B</scp>eaufort <scp>S</scp>ea during <scp>S</scp>eptember 2012. Journal of Geophysical Research: Oceans, 2016, 121, 267-283.	1.0	24
126	The Case for a Sustained Greenland Ice Sheet-Ocean Observing System (GrIOOS). Frontiers in Marine Science, 2019, 6, .	1.2	24

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127	Subglacial Discharge and Its Downâ€Fjord Transformation in West Greenland Fjords With an Ice MÃ©lange. Journal of Geophysical Research: Oceans, 2020, 125, e2020JC016301.	1.0	24
128	Pigment composition and photoprotection of Arctic sea ice algae during spring. Marine Ecology - Progress Series, 2017, 585, 49-69.	0.9	24
129	Airâ€water exchange and vertical profiles of organic carbon in a subarctic fjord. Limnology and Oceanography, 2010, 55, 1733-1740.	1.6	23
130	Oxygen isotope ratios in the shell of <i>Mytilus edulis</i>: archives of glacier meltwater in Greenland?. Biogeosciences, 2012, 9, 5231-5241.	1.3	23
131	Seasonal dynamics of autotrophic and heterotrophic plankton metabolism and P_{CO2} in a subarctic Greenland fjord. Limnology and Oceanography, 2014, 59, 1764-1778.	1.6	23
132	Local Coastal Water Masses Control Heat Levels in a West Greenland Tidewater Outlet Glacier Fjord. Journal of Geophysical Research: Oceans, 2018, 123, 8068-8083.	1.0	23
133	Net community production in the bottom of firstâ€year sea ice over the Arctic spring bloom. Geophysical Research Letters, 2017, 44, 8971-8978.	1.5	23
134	Fate of pelagic organic carbon and importance of pelagicÂ–benthic coupling in a shallow cove in Disko Bay, West Greenland. Marine Ecology - Progress Series, 2007, 341, 75-88.	0.9	23
135	Estimating surface fluxes using eddy covariance and numerical ogive optimization. Atmospheric Chemistry and Physics, 2015, 15, 2081-2103.	1.9	22
136	Species identification and connectivity of marine amphipods in Canadaâ€™s three oceans. PLoS ONE, 2018, 13, e0197174.	1.1	22
137	Variation in size and growth of West Greenland capelin (Mallotus villosus) along latitudinal gradients. ICES Journal of Marine Science, 2010, 67, 1128-1137.	1.2	21
138	Bacterial community succession and degradation patterns of hydrocarbons in seawater at low temperature. Journal of Hazardous Materials, 2018, 353, 127-134.	6.5	21
139	Sea ice <i>p</i>CO₂ dynamics and airâ€“ice CO₂ fluxes during the Sea Ice Mass Balance in the Antarctic (SIMBA) experiment â€“ Bellingshausen Sea, Antarctica. Cryosphere, 2014, 8, 2395-2407.	1.5	20
140	Estimates of ikaite export from sea ice to the underlying seawater inÂaÂsea iceâ€“seawater mesocosm. Cryosphere, 2016, 10, 2173-2189.	1.5	20
141	High carbon demand of dominant macrozoobenthic species indicates their central role in ecosystem carbon flow in a sub-Arctic fjord. Marine Ecology - Progress Series, 2009, 383, 127-140.	0.9	20
142	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. Journal of Geophysical Research: Oceans, 2014, 119, 3679-3693.	1.0	19
143	Annual growth bands in the bivalve Hiatella arctica validated by a mark-recapture study in NE Greenland. Polar Biology, 2002, 25, 794-796.	0.5	18
144	Feeding ecology of capelin (Mallotus villosus MÃ¼ller) in West Greenland waters. Polar Biology, 2012, 35, 1533-1543.	0.5	18

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145	Parameterization of atmosphereâ€“surface exchange of CO₂ over sea ice. Cryosphere, 2014, 8, 853-866.	1.5	18
146	High geothermal heat flux in close proximity to the Northeast Greenland Ice Stream. Scientific Reports, 2018, 8, 1344.	1.6	18
147	A Controlled Experiment on Oil Release Beneath Thin Sea Ice and Its Electromagnetic Detection. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 4406-4419.	2.7	18
148	A conspicuous H2S-oxidizing microbial mat from a high-latitude Arctic fjord (Young Sound, NE) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	0.7	17
149	CO₂ and CH₄ in sea ice from a subarctic fjord under influence of riverine input. Biogeosciences, 2014, 11, 6525-6538.	1.3	17
150	The transformation and fate of subâ€Arctic microphytobenthos carbon revealed through ¹³ Câ€labeling. Limnology and Oceanography, 2016, 61, 2296-2308.	1.6	17
151	An Electromagnetic Detection Case Study on Crude Oil Injection in a Young Sea Ice Environment. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 4465-4475.	2.7	17
152	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
153	Retrieval of Ice Samples Using the Ice Drone. Frontiers in Earth Science, 2019, 7, .	0.8	16
154	An under-ice bloom of mixotrophic haptophytes in low nutrient and freshwater-influenced Arctic waters. Scientific Reports, 2021, 11, 2915.	1.6	16
155	Winter observations of CO₂ exchange between sea ice and the atmosphere in a coastal fjord environment. Cryosphere, 2015, 9, 1701-1713.	1.5	15
156	Circulation and fjord-shelf exchange during the ice-covered period in Young Sound-Tyrolerfjord, Northeast Greenland (74Â°N). Estuarine, Coastal and Shelf Science, 2017, 194, 205-216.	0.9	15
157	Bergy Bit and Melt Water Trajectories in GodthÃ¥bsfjord (SW Greenland) Observed by the Expendable Ice Tracker. Frontiers in Marine Science, 2017, 4, .	1.2	15
158	Climate change and ice hazards in the Beaufort Sea. Elementa, 2014, 2, .	1.1	15
159	Mineralization in a northeastern Greenland sediment: mathematical modelling, measured sediment pore water profiles and actual activities. Aquatic Microbial Ecology, 1996, 11, 297-305.	0.9	15
160	Reply to comment on our paper â€œComparison of isotope pairing and N2:Ar methods for measuring sediment denitrificationâ€• Estuaries and Coasts, 2004, 27, 177-178.	1.7	14
161	Arctic Ocean outflow and glacierâ€“ocean interactions modify water over the Wandel Sea shelf (northeastern Greenland). Ocean Science, 2017, 13, 1045-1060.	1.3	14
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