

Bodil A Bluhm

List of Publications by Year in descending order

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89
papers

4,212
citations

126907

33
h-index

133252

59
g-index

97
all docs

97
docs citations

97
times ranked

3964
citing authors

#	ARTICLE	IF	CITATIONS
1	Freshwater and its role in the Arctic Marine System: Sources, disposition, storage, export, and physical and biogeochemical consequences in the Arctic and global oceans. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 675-717.	3.0	317
2	Global Patterns and Predictions of Seafloor Biomass Using Random Forests. <i>PLoS ONE</i> , 2010, 5, e15323.	2.5	287
3	REGIONAL VARIABILITY IN FOOD AVAILABILITY FOR ARCTIC MARINE MAMMALS. , 2008, 18, S77-S96.		265
4	Ecosystem characteristics and processes facilitating persistent macrobenthic biomass hotspots and associated benthivory in the Pacific Arctic. <i>Progress in Oceanography</i> , 2015, 136, 92-114.	3.2	222
5	Borealization of the Arctic Ocean in Response to Anomalous Advection From Sub-Arctic Seas. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	174
6	Benthic food-web structure under differing water mass properties in the southern Chukchi Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2010, 57, 71-85.	1.4	165
7	Towards a pan-Arctic inventory of the species diversity of the macro- and megabenthic fauna of the Arctic shelf seas. <i>Marine Biodiversity</i> , 2011, 41, 51-70.	1.0	150
8	Food web structure in the high Arctic Canada Basin: evidence from $\delta^{13}C$ and $\delta^{15}N$ analysis. <i>Polar Biology</i> , 2005, 28, 238-249.	1.2	137
9	In-situ observations on the distribution and behavior of amphipods and Arctic cod (<i>Boreogadus saida</i>) under the sea ice of the High Arctic Canada Basin. <i>Polar Biology</i> , 2004, 27, 595.	1.2	131
10	A tale of two basins: An integrated physical and biological perspective of the deep Arctic Ocean. <i>Progress in Oceanography</i> , 2015, 139, 89-121.	3.2	124
11	Community structure of epibenthic megafauna in the Chukchi Sea. <i>Aquatic Biology</i> , 2009, 7, 269-293.	1.4	99
12	The future of Arctic benthos: Expansion, invasion, and biodiversity. <i>Progress in Oceanography</i> , 2015, 139, 244-257.	3.2	99
13	Diversity of the arctic deep-sea benthos. <i>Marine Biodiversity</i> , 2011, 41, 87-107.	1.0	90
14	Arctic Marine Biodiversity: An Update of Species Richness and Examples of Biodiversity Change. <i>Oceanography</i> , 2011, 24, 232-248.	1.0	83
15	Benthic macrofauna and megafauna assemblages in the Arctic deep-sea Canada Basin. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2010, 57, 136-152.	1.4	69
16	Trait-based approaches in rapidly changing ecosystems: A roadmap to the future polar oceans. <i>Ecological Indicators</i> , 2018, 91, 722-736.	6.3	68
17	Influence of terrestrial organic matter in marine food webs of the Beaufort Sea shelf and slope. <i>Marine Ecology - Progress Series</i> , 2016, 550, 1-24.	1.9	67
18	Using stable isotopes to assess carbon and nitrogen turnover in the Arctic sympagic amphipod <i>Onisimus litoralis</i> . <i>Oecologia</i> , 2008, 158, 11-22.	2.0	63

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19	Macro- and megabenthic communities in the high Arctic Canada Basin: initial findings. <i>Polar Biology</i> , 2005, 28, 218-231.	1.2	61
20	Amphipod prey of gray whales in the northern Bering Sea: Comparison of biomass and distribution between the 1980s and 2002–2003. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2007, 54, 2906-2918.	1.4	61
21	Arctic sea-ice ridges – Safe heavens for sea-ice fauna during periods of extreme ice melt?. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2010, 57, 86-95.	1.4	60
22	Distribution, standing stock, growth, mortality and production of <i>Strongylocentrotus pallidus</i> (Echinodermata: Echinoidea) in the northern Barents Sea. <i>Polar Biology</i> , 1998, 20, 325-334.	1.2	58
23	Time-Series Benthic Community Composition and Biomass and Associated Environmental Characteristics in the Chukchi Sea During the RUSALCA 2004–2012 Program. <i>Oceanography</i> , 2015, 28, 116-133.	1.0	55
24	The Relationship Between Patterns of Benthic Fauna and Zooplankton in the Chukchi Sea and Physical Forcing. <i>Oceanography</i> , 2015, 28, 68-83.	1.0	55
25	Age determination in the Antarctic shrimp <i>Notocrangon antarcticus</i> (Crustacea: Decapoda), using the autofluorescent pigment lipofuscin. <i>Marine Biology</i> , 2001, 138, 247-257.	1.5	50
26	Abundance and composition of the sea-ice meiofauna in off-shore pack ice of the Beaufort Gyre in summer 2002 and 2003. <i>Polar Biology</i> , 2005, 28, 171-181.	1.2	49
27	Latitudinal, seasonal and depth-dependent variation in growth, chemical composition and biofouling of cultivated <i>Saccharina latissima</i> (Phaeophyceae) along the Norwegian coast. <i>Journal of Applied Phycology</i> , 2020, 32, 2215-2232.	2.8	47
28	Pivotal role of sea ice sediments in the seasonal development of near-shore Arctic fast ice biota. <i>Marine Ecology - Progress Series</i> , 2009, 394, 49-63.	1.9	45
29	The autofluorescent age pigment lipofuscin: key to age, growth and productivity of the Antarctic amphipod <i>Waldeckia obesa</i> (Chevreux, 1905). <i>Journal of Experimental Marine Biology and Ecology</i> , 2001, 258, 215-235.	1.5	44
30	Changes in Sea-Ice Protist Diversity With Declining Sea Ice in the Arctic Ocean From the 1980s to 2010s. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	39
31	Late summer zoogeography of the northern Bering and Chukchi seas. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 135, 168-189.	1.4	38
32	High gray whale relative abundances associated with an oceanographic front in the south-central Chukchi Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2007, 54, 2919-2933.	1.4	37
33	Biodiversity of Arctic marine ecosystems and responses to climate change. <i>Biodiversity</i> , 2012, 13, 200-214.	1.1	37
34	The Pan-Arctic Continental Slope: Sharp Gradients of Physical Processes Affect Pelagic and Benthic Ecosystems. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	37
35	Sea ice meiofauna distribution on local to pan-Arctic scales. <i>Ecology and Evolution</i> , 2018, 8, 2350-2364.	1.9	36
36	Diet analysis of Alaska Arctic snow crabs (<i>Chionoecetes opilio</i>) using stomach contents and $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ stable isotopes. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 135, 124-136.	1.4	33

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37	Biodiversity and Biogeography of the Lower Trophic Taxa of the Pacific Arctic Region: Sensitivities to Climate Change. , 2014, , 269-336.		32
38	Benthic-pelagic trophic coupling in an Arctic marine food web along vertical water mass and organic matter gradients. Marine Ecology - Progress Series, 2018, 594, 1-19.	1.9	32
39	Regional benthic food web structure on the Alaska Beaufort Sea shelf. Marine Ecology - Progress Series, 2015, 531, 15-32.	1.9	31
40	Towards a unifying pan-arctic perspective: A conceptual modelling toolkit. Progress in Oceanography, 2020, 189, 102455.	3.2	30
41	Do Meio- and Macrobenthic Nematodes Differ in Community Composition and Body Weight Trends with Depth?. PLoS ONE, 2011, 6, e14491.	2.5	29
42	Spatial variability of epibenthic communities on the Alaska Beaufort Shelf. Polar Biology, 2015, 38, 1783-1804.	1.2	29
43	Editorial - Arctic Ocean Diversity: synthesis. Marine Biodiversity, 2011, 41, 1-4.	1.0	27
44	Using biological traits and environmental variables to characterize two Arctic epibenthic invertebrate communities in and adjacent to Barrow Canyon. Deep-Sea Research Part II: Topical Studies in Oceanography, 2018, 152, 154-169.	1.4	26
45	Growth and production of the brittle stars <i>Ophiura sarsii</i> and <i>Ophiocten sericeum</i> (Echinodermata): Tj ETQq1 1 0.784314 rgBT/Overlo 1.8 24		
46	Sympagic Fauna in and Under Arctic Pack Ice in the Annual Sea-Ice System of the New Arctic. Frontiers in Marine Science, 2020, 7, .	2.5	23
47	Diversity of larger free-living nematodes from macrobenthos (>250ÅÎ¼m) in the Arctic deep-sea Canada Basin. Marine Biodiversity, 2011, 41, 455-465.	1.0	20
48	<i>Sympagohydra tuuli</i> gen. nov. and sp. nov. (Cnidaria: Hydrozoa) a cool hydroid from the Arctic sea ice. Journal of the Marine Biological Association of the United Kingdom, 2008, 88, 1637-1641.	0.8	19
49	Ice-tethered observational platforms in the Arctic Ocean pack ice. IFAC-PapersOnLine, 2016, 49, 494-499.	0.9	19
50	Occurrence of the autofluorescent pigment, lipofuscin, in polar crustaceans and its potential as an age marker. Polar Biology, 2001, 24, 642-649.	1.2	18
51	Meroplankton Diversity, Seasonality and Life-History Traits Across the Barents Sea Polar Front Revealed by High-Throughput DNA Barcoding. Frontiers in Marine Science, 2021, 8, .	2.5	18
52	First of an Arctic sea ice meiofauna food web analysis based on abundance, biomass and stable isotope ratios. Marine Ecology - Progress Series, 2020, 634, 29-43.	1.9	18
53	Arctic coastal benthos long-term responses to perturbations under climate warming. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190355.	3.4	17
54	Timing of Ice Algal Grazing by the Arctic Nearshore Benthic Amphipod <i>Onisimus litoralis</i>. Arctic, 2010, 63, .	0.4	17

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55	Developing an observational design for epibenthos and fish assemblages in the Chukchi Sea. Deep-Sea Research Part II: Topical Studies in Oceanography, 2019, 162, 180-190.	1.4	16
56	Pelagic occurrences of the ice amphipod <i>Apherusa glacialis</i> throughout the Arctic. Journal of Plankton Research, 2020, 42, 73-86.	1.8	16
57	Microscopic anatomy and ultrastructure of the digestive system of three Antarctic shrimps (Crustacea: Decapoda: Caridea). Polar Biology, 2001, 24, 604-614.	1.2	15
58	Caloric content of dominant benthic species from the northern Bering and Chukchi Seas: historical comparisons and the effects of preservation. Polar Biology, 2012, 35, 637-644.	1.2	15
59	Epifaunal communities across marine landscapes of the deep Chukchi Borderland (Pacific Arctic). Deep-Sea Research Part I: Oceanographic Research Papers, 2019, 151, 103065.	1.4	15
60	Observations and exploration of the Arctic's Canada Basin and the Chukchi Sea: The Hidden Ocean and RUSALCA expeditions. Deep-Sea Research Part II: Topical Studies in Oceanography, 2010, 57, 1-4.	1.4	14
61	First record of sympagic hydroids (Hydrozoa, Cnidaria) in Arctic coastal fast ice. Polar Biology, 2007, 30, 1557-1563.	1.2	13
62	Free Database Availability, Metadata and the Internet: An Example of Two High Latitude Components of the Census of Marine Life. , 2010, , 233-243.		13
63	Growth rates of arctic juvenile <i>Scolelepis squamata</i> (Polychaeta: Spionidae) isolated from Chukchi Sea fast ice. Polar Biology, 2012, 35, 1487-1494.	1.2	11
64	Ice-Associated Amphipods in a Pan-Arctic Scenario of Declining Sea Ice. Frontiers in Marine Science, 2021, 8, .	2.5	11
65	Arctic Ocean Exploration 2002. Polar Biology, 2005, 28, 169-170.	1.2	10
66	Biogeography of epibenthic assemblages in the central Beaufort Sea. Marine Biodiversity, 2020, 50, 1.	1.0	10
67	Relationships between depth and $\delta^{15}N$ of Arctic benthos vary among regions and trophic functional groups. Deep-Sea Research Part I: Oceanographic Research Papers, 2018, 135, 56-64.	1.4	9
68	Epibenthic megafauna communities in Northeast Greenland vary across coastal, continental shelf and slope habitats. Polar Biology, 2020, 43, 1623-1642.	1.2	7
69	Functional Pattern of Benthic Epifauna in the Chukchi Borderland, Arctic Deep Sea. Frontiers in Marine Science, 2021, 8, .	2.5	7
70	Environmental Filtering Influences Functional Community Assembly of Epibenthic Communities. Frontiers in Marine Science, 2021, 8, .	2.5	7
71	BRAIN STRUCTURE AND HISTOLOGICAL FEATURES OF LIPOFUSCIN IN TWO ANTARCTIC CARIDEA (DECAPODA). Crustaceana, 2002, 75, 61-76.	0.3	6
72	New estimates of weight-at-size, maturity-at-size, fecundity, and biomass of snow crab, <i>Chionoecetes opilio</i> , in the Arctic Ocean off Alaska. Fisheries Research, 2019, 218, 246-258.	1.7	6

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73	A first fecundity study of the female snow crab <i>Chionoecetes opilio</i> Fabricius, 1788 (Decapoda:) Tj ETQq1 1 0.784314 rgBT /Overlock Crustacean Biology, 2019, 39, 485-492.	0.8	6
74	Microscopic anatomy and ultrastructure of the digestive system of three Antarctic shrimps (Crustacea: Decapoda: Caridea). , 2002, , 66-76.		6
75	International megabenthic long-term monitoring of a changing arctic ecosystem: Baseline results. Progress in Oceanography, 2022, 200, 102712.	3.2	6
76	Effects of outplanting time on growth, shedding and quality of <i>Saccharina latissima</i> (Phaeophyceae) in its northern distribution range. Journal of Applied Phycology, 2021, 33, 2415-2431.	2.8	4
77	Stratification in the Canadian Arctic Archipelago's Kitikmeot Sea: Biological and geochemical consequences. , 2019, 1, 46-52.		4
78	New distribution records of kelp in the Kitikmeot Region, Northwest Passage, Canada, fill a pan-Arctic gap. Polar Biology, 2022, 45, 719-736.	1.2	4
79	First record of cuticle bands in the stomach ossicles of the red king crab <i>Paralithodes camtschaticus</i> (Tilesius, 1815) (Decapoda: Anomura: Lithodidae) from Norway. Journal of Crustacean Biology, 2019, 39, 703-710.	0.8	3
80	Crude oil exposure reduces ice algal growth in a sea-ice mesocosm experiment. Polar Biology, 2021, 44, 525-537.	1.2	3
81	Protecting the future Arctic. One Earth, 2021, 4, 1649-1651.	6.8	3
82	Occurrence of the autofluorescent pigment, lipofuscin, in polar crustaceans and its potential as an age marker. , 2002, , 251-258.		2
83	Connections to the Deep: Deep Vertical Migrations, an Important Part of the Life Cycle of <i>Apherusa glacialis</i> , an Arctic Ice-Associated Amphipod. Frontiers in Marine Science, 2021, 8, .	2.5	2
84	A temporal comparison of a benthic infaunal community southwest of St. Lawrence Island, Bering Sea between 2006 and 1970-1974. Polar Biology, 2010, 33, 1439-1444.	1.2	1
85	Towards a pan-Arctic inventory of the species diversity of the macro- and megabenthic fauna of the Arctic shelf seas. , 2011, 41, 51.		1
86	Joint Cruise 1-2 2018. The Nansen Legacy Report Series, 2020, , .	0.6	1
87	Gray Whales in the Bering and Chukchi Seas. , 2007, , 302-313.		0
88	Das Leben im Eispalast: Flora und Fauna des arktischen Meereises. , 2017, , 51-62.		0
89	Description and Spatial Modelling of Benthic Communities Distribution in the Canadian Arctic Archipelago. Frontiers in Marine Science, 0, 9, .	2.5	0