

Martin Graeve

List of Publications by Year in descending order

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93
papers

3,910
citations

147801

31
h-index

133252

59
g-index

94
all docs

94
docs citations

94
times ranked

3581
citing authors

#	ARTICLE	IF	CITATIONS
1	Monitoring a changing Arctic: Recent advancements in the study of sea ice microbial communities. <i>Ambio</i> , 2022, 51, 318-332.	5.5	12
2	To Regulate or Not to Regulate: Assimilation of Dietary Fatty Acids in the Temperate Copepod <i>Temora longicornis</i> . <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	0
3	Multiple Trophic Markers Trace Dietary Carbon Sources in Barents Sea Zooplankton During Late Summer. <i>Frontiers in Marine Science</i> , 2021, 7, .	2.5	17
4	Winter Carnivory and Diapause Counteract the Reliance on Ice Algae by Barents Sea Zooplankton. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	14
5	Submesoscale physicochemical dynamics directly shape bacterioplankton community structure in space and time. <i>Limnology and Oceanography</i> , 2021, 66, 2901-2913.	3.1	12
6	Year-round population dynamics of <i>Limacina</i> spp. early stages in a high-Arctic fjord (Adventfjorden,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.2	2
7	Selective feeding in Southern Ocean key grazersâ€™ diet composition of krill and salps. <i>Communications Biology</i> , 2021, 4, 1061.	4.4	20
8	An Arctic Strait of Two Halves: The Changing Dynamics of Nutrient Uptake and Limitation Across the Fram Strait. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2021GB006961.	4.9	15
9	Impact of ocean acidification and warming on mitochondrial enzymes and membrane lipids in two Gadoid species. <i>Polar Biology</i> , 2020, 43, 1109-1120.	1.2	7
10	The influence of Arctic Fe and Atlantic fixed N on summertime primary production in Fram Strait, North Greenland Sea. <i>Scientific Reports</i> , 2020, 10, 15230.	3.3	23
11	Assimilation and turnover rates of lipid compounds in dominant Antarctic copepods fed with ¹³ C-enriched diatoms. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190647.	4.0	7
12	Spatial and Temporal Variability of Ice Algal Trophic Markersâ€™With Recommendations about Their Application. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 676.	2.6	18
13	The selection and analysis of fatty acid ratios: A new approach for the univariate and multivariate analysis of fatty acid trophic markers in marine pelagic organisms. <i>Limnology and Oceanography: Methods</i> , 2020, 18, 196-210.	2.0	29
14	Metabolism and foraging strategies of mid-latitude mesozooplankton during cyanobacterial blooms as revealed by fatty acids, amino acids, and their stable carbon isotopes. <i>Ecology and Evolution</i> , 2019, 9, 9916-9934.	1.9	12
15	Mesopelagic Sound Scattering Layers of the High Arctic: Seasonal Variations in Biomass, Species Assemblage, and Trophic Relationships. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	35
16	Living on Cold Substrata: New Insights and Approaches in the Study of Microphytobenthos Ecophysiology and Ecology in Kongsfjorden. <i>Advances in Polar Ecology</i> , 2019, , 303-330.	1.3	5
17	You are not always what you eatâ€™Fatty acid bioconversion and lipid homeostasis in the larvae of the sand mason worm <i>Lanice conchilega</i> . <i>PLoS ONE</i> , 2019, 14, e0218015.	2.5	8
18	Trophic importance of microphytobenthos and bacteria to meiofauna in soft-bottom intertidal habitats: A combined trophic marker approach. <i>Marine Environmental Research</i> , 2019, 149, 50-66.	2.5	17

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19	Varying dependency of Antarctic euphausiids on ice algae- and phytoplankton-derived carbon sources during summer. <i>Marine Biology</i> , 2019, 166, 1.	1.5	18
20	Lipid storage consumption and feeding ability of <i>Calanus glacialis</i> Jaschnov, 1955 males. <i>Journal of Experimental Marine Biology and Ecology</i> , 2019, 521, 151226.	1.5	7
21	Could offspring predation offset the successful reproduction of the arctic copepod <i>Calanus hyperboreus</i> under reduced sea-ice cover conditions?. <i>Progress in Oceanography</i> , 2019, 170, 107-118.	3.2	11
22	Lipid and fatty acid turnover of the pteropods <i>Limacina helicina</i> , <i>L. retroversa</i> and <i>Clione limacina</i> from Svalbard waters. <i>Marine Ecology - Progress Series</i> , 2019, 609, 133-149.	1.9	12
23	Food sources of macrozoobenthos in an Arctic kelp belt: trophic relationships revealed by stable isotope and fatty acid analyses. <i>Marine Ecology - Progress Series</i> , 2019, 615, 31-49.	1.9	17
24	Latitudinal variation in maternal investment traits of the kelp crab <i>Taliepus dentatus</i> along the coast of Chile. <i>Marine Biology</i> , 2018, 165, 1.	1.5	14
25	Biogeochemical markers across a pollution gradient in a Patagonian estuary: A multidimensional approach of fatty acids and stable isotopes. <i>Marine Pollution Bulletin</i> , 2018, 137, 617-626.	5.0	20
26	Dependency of Antarctic zooplankton species on ice algae-produced carbon suggests a sea ice-driven pelagic ecosystem during winter. <i>Global Change Biology</i> , 2018, 24, 4667-4681.	9.5	38
27	Effects of prolonged darkness and temperature on the lipid metabolism in the benthic diatom <i>Navicula perminuta</i> from the Arctic Adventfjorden, Svalbard. <i>Polar Biology</i> , 2017, 40, 1425-1439.	1.2	37
28	Strong linkage of polar cod (<i>Boreogadus saida</i>) to sea ice algae-produced carbon: Evidence from stomach content, fatty acid and stable isotope analyses. <i>Progress in Oceanography</i> , 2017, 152, 62-74.	3.2	79
29	A year-round study on metabolic enzymes and body composition of the Arctic copepod <i>Calanus glacialis</i> : implications for the timing and intensity of diapause. <i>Marine Biology</i> , 2017, 164, 1.	1.5	14
30	Ice Algae-Produced Carbon Is Critical for Overwintering of Antarctic Krill <i>Euphausia superba</i> . <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	55
31	Fatty acid compositions associated with high-light tolerance in the intertidal rhodophytes <i>Mastocarpus stellatus</i> and <i>Chondrus crispus</i> . <i>Helgoland Marine Research</i> , 2017, 71, .	1.3	4
32	Spatio-temporal variability in the winter diet of larval and juvenile Antarctic krill, <i>Euphausia superba</i> , in ice-covered waters. <i>Marine Ecology - Progress Series</i> , 2017, 580, 101-115.	1.9	35
33	Short- and long-term acclimation patterns of the giant kelp <i>Macrocystis pyrifera</i> (Laminariales). <i>Journal of Experimental Marine Biology and Ecology</i> , 2017, 547, 1-11.	0.784314	31
34	Lipid turnover reflects life-cycle strategies of small-sized Arctic copepods. <i>Journal of Plankton Research</i> , 2016, ., .	1.8	8
35	A (too) bright future? Arctic diatoms under radiation stress. <i>Polar Biology</i> , 2016, 39, 1711-1724.	1.2	12
36	The importance of ice algae-produced carbon in the central Arctic Ocean ecosystem: Food web relationships revealed by lipid and stable isotope analyses. <i>Limnology and Oceanography</i> , 2016, 61, 2027-2044.	3.1	141

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37	Lipid and fatty acid/alcohol compositions of the subarctic copepods <i>Neocalanus cristatus</i> and <i>Eucalanus bungii</i> from various depths in the Oyashio region, western North Pacific. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2016, 198, 57-65.	1.6	8
38	Lipid composition and trophic relationships of krill species in a high Arctic fjord. <i>Polar Biology</i> , 2016, 39, 1803-1817.	1.2	23
39	Handling and Storage Procedures Have Variable Effects on Fatty Acid Content in Fishes with Different Lipid Quantities. <i>PLoS ONE</i> , 2016, 11, e0160497.	2.5	31
40	Carbon flow through the pelagic food web in southern Chilean Patagonia: relevance of <i>Euphausia vallentini</i> as a key species. <i>Marine Ecology - Progress Series</i> , 2016, 557, 91-110.	1.9	26
41	Fatty acid composition of wild <i>Odontesthes bonariensis</i> (Valenciennes 1835) larvae: implications on lipid metabolism and trophic relationships. <i>Journal of Applied Ichthyology</i> , 2015, 31, 752-755.	0.7	5
42	Dominant amphipods of <i>Posidonia oceanica</i> seagrass meadows display considerable trophic diversity. <i>Marine Ecology</i> , 2015, 36, 969-981.	1.1	32
43	Species separation within the <i>Lessonia nigrescens</i> complex (Phaeophyceae, Laminariales) is mirrored by ecophysiological traits. <i>Botanica Marina</i> , 2015, 58, 81-92.	1.2	19
44	Arctic pelagic amphipods: lipid dynamics and life strategy. <i>Journal of Plankton Research</i> , 2015, 37, 790-807.	1.8	29
45	Stable isotope and fatty acid markers in plankton assemblages of a saline lake: seasonal trends and future scenario. <i>Journal of Plankton Research</i> , 2015, 37, 584-595.	1.8	11
46	The other krill: overwintering physiology of adult <i>Thysanoessa inermis</i> (Euphausiacea) from the high Arctic Kongsfjord. <i>Aquatic Biology</i> , 2015, 23, 225-235.	1.4	24
47	Planktonic trophic interactions in a human-impacted estuary of Argentina: a fatty acid marker approach. <i>Journal of Plankton Research</i> , 2014, 36, 776-787.	1.8	19
48	Cyanobacteria in Scandinavian coastal waters – A potential source for biofuels and fatty acids?. <i>Algal Research</i> , 2014, 5, 42-51.	4.6	25
49	Mitochondrial Acclimation Capacities to Ocean Warming and Acidification Are Limited in the Antarctic Nototheniid Fish, <i>Notothenia rossii</i> and <i>Lepidonotothen squamifrons</i> . <i>PLoS ONE</i> , 2013, 8, e68865.	2.5	70
50	Exceptional lipid storage mode of the copepod <i>Boeckella poopoensis</i> in a pampean salt lake, Argentina. <i>Aquatic Biology</i> , 2012, 15, 275-281.	1.4	5
51	Energy reserves of Southern Ocean copepods: Triacylglycerols with unusually long-chain monounsaturated fatty acids. <i>Marine Chemistry</i> , 2012, 138-139, 7-12.	2.3	11
52	Phlorotannin Production and Lipid Oxidation as a Potential Protective Function Against High Photosynthetically Active and UV Radiation in Gametophytes of <i>Alaria esculenta</i> (Alariales), <i>Tj ETQq0 0 0 rgBTf/Overlook 10 Tf 50</i>		
53	Mode of action of membrane-disruptive lytic compounds from the marine dinoflagellate <i>Alexandrium tamarense</i> . <i>Toxicon</i> , 2011, 58, 247-258.	1.6	41
54	Lipid content and fatty acid consumption in zoospores/developing gametophytes of <i>Saccharina latissima</i> (Laminariales, Phaeophyceae) as potential precursors for secondary metabolites as phlorotannins. <i>Polar Biology</i> , 2011, 34, 1011-1018.	1.2	24

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55	Seasonal abundance and feeding patterns of copepods <i>Temora longicornis</i> , <i>Centropages hamatus</i> and <i>Acartia</i> spp. in the White Sea (66°N). <i>Polar Biology</i> , 2011, 34, 1175-1195.	1.2	19
56	Life strategy and diet of <i>Calanus glacialis</i> during the winter-spring transition in Amundsen Gulf, south-eastern Beaufort Sea. <i>Polar Biology</i> , 2011, 34, 1929-1946.	1.2	44
57	Photosynthesis and lipid composition of the Antarctic endemic rhodophyte <i>Palmaria decipiens</i> : effects of changing light and temperature levels. <i>Polar Biology</i> , 2010, 33, 945-955.	1.2	42
58	Timing of blooms, algal food quality and <i>Calanus glacialis</i> reproduction and growth in a changing Arctic. <i>Global Change Biology</i> , 2010, 16, 3154-3163.	9.5	292
59	Lipid sac area as a proxy for individual lipid content of arctic calanoid copepods. <i>Journal of Plankton Research</i> , 2010, 32, 1471-1477.	1.8	55
60	Bioenergetics of early life-history stages of the brachyuran crab <i>Cancer setosus</i> in response to changes in temperature. <i>Journal of Experimental Marine Biology and Ecology</i> , 2009, 374, 160-166.	1.5	25
61	Ambient media affect thermal response of cellular energy budget. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2009, 153, S173.	1.8	0
62	Adaptation strategies of copepods (superfamily Centropagoidea) in the White Sea (66°N). <i>Polar Biology</i> , 2009, 32, 133-146.	1.2	12
63	Lipid dynamics and feeding of dominant Antarctic calanoid copepods in the eastern Weddell Sea in December. <i>Polar Biology</i> , 2009, 32, 1597-1606.	1.2	11
64	Improved separation and quantification of neutral and polar lipid classes by HPLC-ELSD using a monolithic silica phase: Application to exceptional marine lipids. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 1815-1819.	2.3	119
65	Temperature-dependent lipid levels and components in polar and temperate eelpout (Zoarcidae). <i>Fish Physiology and Biochemistry</i> , 2008, 34, 261-274.	2.3	36
66	The fate of dietary lipids in the Arctic ctenophore <i>Mertensia ovum</i> (Fabricius 1780). <i>Marine Biology</i> , 2008, 153, 643-651.	1.5	33
67	Perspectives on marine zooplankton lipids. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2007, 64, 1628-1639.	1.4	96
68	The high polyunsaturation in phospholipids of marine zooplankton. <i>Chemistry and Physics of Lipids</i> , 2007, 149, S21-S22.	3.2	0
69	Body growth, mitochondrial enzymatic capacities and aspects of the antioxidant system and redox balance under calorie restriction in young turbot (<i>Scophthalmus maximus</i> , L.). <i>Aquaculture Research</i> , 2007, 38, 467-477.	1.8	9
70	Feeding of Clausocalanids (Calanoida, Copepoda) on naturally occurring particles in the northern Gulf of Aqaba (Red Sea). <i>Marine Biology</i> , 2007, 151, 1261-1274.	1.5	23
71	Exceptional long-term starvation ability and sites of lipid storage of the Arctic pteropod <i>Clione limacina</i> . <i>Polar Biology</i> , 2007, 30, 571-580.	1.2	17
72	Impact of feeding and starvation on the lipid metabolism of the Arctic pteropod <i>Clione limacina</i> . <i>Journal of Experimental Marine Biology and Ecology</i> , 2006, 328, 98-112.	1.5	21

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73	Assimilation and biosynthesis of lipids in Arctic <i>Calanus</i> species based on feeding experiments with a ¹³ C labelled diatom. <i>Journal of Experimental Marine Biology and Ecology</i> , 2005, 317, 109-125.	1.5	115
74	The Arctic sea butterfly <i>Limacina helicina</i> : lipids and life strategy. <i>Marine Biology</i> , 2005, 147, 169-177.	1.5	116
75	The Arctic pteropod <i>Clione limacina</i> : seasonal lipid dynamics and life-strategy. <i>Marine Biology</i> , 2005, 147, 707-717.	1.5	42
76	Trophic position of Antarctic amphipods—enhanced analysis by a 2-dimensional biomarker assay. <i>Marine Ecology - Progress Series</i> , 2005, 300, 135-145.	1.9	85
77	Fatty acid and alcohol composition of the small polar copepods, <i>Oithona</i> and <i>Oncaea</i> : indication on feeding modes. <i>Polar Biology</i> , 2003, 26, 666-671.	1.2	79
78	<i>Limnocalanus macrurus</i> in the Kara Sea (Arctic Ocean): an opportunistic copepod as evident from distribution and lipid patterns. <i>Polar Biology</i> , 2003, 26, 720-726.	1.2	29
79	Lipid, fatty acid and protein utilization during lecithotrophic larval development of <i>Lithodes santolla</i> (Molina) and <i>Paralomis granulosa</i> (Jacquinot). <i>Journal of Experimental Marine Biology and Ecology</i> , 2003, 292, 61-74.	1.5	66
80	Feeding rates and selectivity among nauplii, copepodites and adult females of <i>Calanus finmarchicus</i> and <i>Calanus helgolandicus</i> . <i>Helgoland Marine Research</i> , 2002, 56, 169-176.	1.3	56
81	Fatty acid composition of Arctic and Antarctic macroalgae: indicator of phylogenetic and trophic relationships. <i>Marine Ecology - Progress Series</i> , 2002, 231, 67-74.	1.9	147
82	Combined lipid, fatty acid and digestive tract content analyses: a penetrating approach to estimate feeding modes of Antarctic amphipods. <i>Polar Biology</i> , 2001, 24, 853-862.	1.2	98
83	Exceptional lipids and fatty acids in the pteropod <i>Clione limacina</i> (Gastropoda) from both polar oceans. <i>Marine Chemistry</i> , 1998, 61, 219-228.	2.3	70
84	Lipid composition and utilization in developing eggs of two tropical marine caridean shrimps (Decapoda: Caridea: Alpheidae, Palaemonidae). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1998, 121, 457-463.	1.6	62
85	Lipids in Arctic benthos: does the fatty acid and alcohol composition reflect feeding and trophic interactions?. <i>Polar Biology</i> , 1997, 18, 53-61.	1.2	233
86	On the lipid biochemistry of polar copepods: compositional differences in the Antarctic calanoids <i>Euchaeta antarctica</i> and <i>Euchirella rostromagna</i> . <i>Marine Biology</i> , 1995, 123, 451-457.	1.5	59
87	Ontogenetic and seasonal changes in lipid and fatty acid/alcohol compositions of the dominant Antarctic copepods <i>Calanus propinquus</i> , <i>Calanoides acutus</i> and <i>Rhincalanus gigas</i> . <i>Marine Biology</i> , 1994, 118, 637-644.	1.5	105
88	Diet-induced changes in the fatty acid composition of Arctic herbivorous copepods: Experimental evidence of trophic markers. <i>Journal of Experimental Marine Biology and Ecology</i> , 1994, 182, 97-110.	1.5	270
89	Herbivorous or omnivorous? On the significance of lipid compositions as trophic markers in Antarctic copepods. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1994, 41, 915-924.	1.4	148
90	Species-specific differences in intact wax esters of <i>Calanus hyperboreus</i> and <i>C. finmarchicus</i> from Fram Strait – Greenland Sea. <i>Marine Chemistry</i> , 1992, 39, 269-281.	2.3	29

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91	Wax ester composition of the dominant calanoid copepods of the Greenland Sea/Fram Strait region. Polar Research, 1991, 10, 479-485.	1.6	9
92	Wax ester composition of the dominant calanoid copepods of the Greenland Sea/Fram Strait region. Polar Research, 1991, 10, 479-485.	1.6	5
93	Gas-liquid chromatographic method for the determination of marine wax esters according to the degree of unsaturation. Journal of Chromatography A, 1990, 513, 327-332.	3.7	10