David N Thomas

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Sea ice contribution to the air–sea CO ₂ exchange in the Arctic and Southern Oceans. Tellus, Series B: Chemical and Physical Meteorology, 2022, 63, 823.	1.6	102
2	Societal implications of a changing Arctic Ocean. Ambio, 2022, 51, 298-306.	5.5	21
3	A changing Arctic Ocean. Ambio, 2022, 51, 293-297.	5.5	7
4	Ambio fit for the 2020s. Ambio, 2022, 51, 1091-1093.	5.5	0
5	Unveiling the complexity and ecological function of aquatic macrophyte–animal networks in coastal ecosystems. Biological Reviews, 2022, , .	10.4	3
6	Shift from Carbon Flow through the Microbial Loop to the Viral Shunt in Coastal Antarctic Waters during Austral Summer. Microorganisms, 2021, 9, 460.	3.6	14
7	Sea-Ice Bacteria <i>Halomonas</i> sp. Strain 363 and <i>Paracoccus</i> sp. Strain 392 Produce Multiple Types of Poly-3-Hydroxyalkaonoic Acid (PHA) Storage Polymers at Low Temperature. Applied and Environmental Microbiology, 2021, 87, e0092921.	3.1	9
8	Platelet ice, the Southern Ocean's hidden ice: a review. Annals of Glaciology, 2020, 61, 341-368.	1.4	30
9	Maternal and cohort effects modulate offspring responses to multiple stressors. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20200492.	2.6	16
10	Hydrocarbon-Degrading Bacteria Alcanivorax and Marinobacter Associated With Microalgae Pavlova lutheri and Nannochloropsis oculata. Frontiers in Microbiology, 2020, 11, 572931.	3.5	35
11	Identifying metabolic pathways for production of extracellular polymeric substances by the diatom <i>Fragilariopsis cylindrus</i> inhabiting sea ice. ISME Journal, 2018, 12, 1237-1251.	9.8	43
12	Chlorophyllâ€∢i>a in Antarctic Landfast Sea Ice: A First Synthesis of Historical Ice Core Data. Journal of Geophysical Research: Oceans, 2018, 123, 8444-8459.	2.6	34
13	Microalgal community structure and primary production in Arctic and Antarctic sea ice: A synthesis. Elementa, 2018, 6, .	3.2	107
14	Polar Microalgae: Functional Genomics, Physiology, and the Environment. , 2017, , 305-344.		4
15	Life associated with Baltic Sea ice. , 2017, , 333-357.		12
16	Macro-nutrient concentrations in Antarctic pack ice: Overall patterns and overlooked processes. Elementa, 2017, 5, .	3.2	39
17	Variation in Riverine Inputs Affect Dissolved Organic Matter Characteristics throughout the Estuarine Gradient. Frontiers in Marine Science, 2016, 2, .	2.5	33
18	Controls on the processing and fate of terrestrially-derived organic carbon in aquatic ecosystems: synthesis of special issue. Aquatic Sciences, 2016, 78, 415-418.	1.5	10

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19	The impact of dissolved organic carbon and bacterial respiration on pCO2 in experimental sea ice. Progress in Oceanography, 2016, 141, 153-167.	3.2	1
20	Long-term trends (1975–2014) in the concentrations and export of carbon from Finnish rivers to the Baltic Sea: organic and inorganic components compared. Aquatic Sciences, 2016, 78, 505-523.	1.5	42
21	Bacterial production, abundance and cell properties in boreal estuaries: relation to dissolved organic matter quantity and quality. Aquatic Sciences, 2016, 78, 525-540.	1.5	25
22	Air-ice carbon pathways inferred from a sea ice tank experiment. Elementa, 2016, 4, .	3.2	11
23	Drivers of inorganic carbon dynamics in firstâ€year sea ice: A model study. Journal of Geophysical Research: Oceans, 2015, 120, 471-495.	2.6	28
24	Changes in the composition and bioavailability of dissolved organic matter during sea ice formation. Limnology and Oceanography, 2015, 60, 817-830.	3.1	23
25	Uptake of an amino acid (alanine) and its peptide (trialanine) by the saltmarsh halophytes Salicornia europaea and Aster tripolium and its potential role in ecosystem N cycling and marine aquaculture wastewater treatment. Ecological Engineering, 2015, 75, 145-154.	3.6	15
26	Spatial and temporal variability of organic C and N concentrations and export from 30 boreal rivers induced by land use and climate. Science of the Total Environment, 2015, 508, 145-154.	8.0	44
27	Growth and nitrogen uptake by Salicornia europaea and Aster tripolium in nutrient conditions typical of aquaculture wastewater. Chemosphere, 2015, 120, 414-421.	8.2	41
28	Organic Carbon Concentration in the Northern Coastal Baltic Sea between 1975 and 2011. Estuaries and Coasts, 2015, 38, 466-481.	2.2	29
29	Methods for biogeochemical studies of sea ice: The state of the art, caveats, and recommendations. Elementa, 2015, 3, .	3.2	77
30	Assessing the O2 budget under sea ice: An experimental and modelling approach. Elementa, 2015, 3, .	3.2	3
31	First "in situ―determination of gas transport coefficients (, , and) from bulk gas concentration measurements (O ₂ , N ₂ , Ar) in natural sea ice. Journal of Geophysical Research: Oceans, 2014, 119, 6655-6668.	2.6	29
32	CO ₂ and CH ₄ in sea ice from a subarctic fjord under influence of riverine input. Biogeosciences, 2014, 11, 6525-6538.	3.3	17
33	Processing of humic-rich riverine dissolved organic matter by estuarine bacteria: effects of predegradation and inorganic nutrients. Aquatic Sciences, 2014, 76, 451-463.	1.5	56
34	Bioavailability and radiocarbon age of fluvial dissolved organic matter (DOM) from a northern peatland-dominated catchment: effect of land-use change. Aquatic Sciences, 2014, 76, 393-404.	1.5	46
35	Radiocarbon Dating of Fluvial Organic Matter Reveals Land-Use Impacts in Boreal Peatlands. Environmental Science & Technology, 2014, 48, 12543-12551.	10.0	12
36	Bacterial community dynamics and activity in relation to dissolved organic matter availability during seaâ€ice formation in a mesocosm experiment. MicrobiologyOpen, 2014, 3, 139-156.	3.0	23

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37	Physical and bacterial controls on inorganic nutrients and dissolved organic carbon during a sea ice growth and decay experiment. Marine Chemistry, 2014, 166, 59-69.	2.3	21
38	Kinetics of ikaite precipitation and dissolution in seawater-derived brines at sub-zero temperatures to 265 K. Geochimica Et Cosmochimica Acta, 2014, 140, 199-211.	3.9	25
39	Qualitative changes of riverine dissolved organic matter at low salinities due to flocculation. Journal of Geophysical Research G: Biogeosciences, 2014, 119, 1919-1933.	3.0	126
40	The effect of halophyte planting density on the efficiency of constructed wetlands for the treatment of wastewater from marine aquaculture. Ecological Engineering, 2013, 61, 145-153.	3.6	45
41	Ikaite solubility in seawater-derived brines at 1atm and sub-zero temperatures to 265K. Geochimica Et Cosmochimica Acta, 2013, 109, 241-253.	3.9	30
42	Selective incorporation of dissolved organic matter (DOM) during sea ice formation. Marine Chemistry, 2013, 155, 148-157.	2.3	41
43	The relative contributions of biological and abiotic processes to carbon dynamics in subarctic sea ice. Polar Biology, 2013, 36, 1761-1777.	1.2	34
44	Broad-scale predictability of carbohydrates and exopolymers in Antarctic and Arctic sea ice. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 15734-15739.	7.1	52
45	Quantification of ikaite in Antarctic sea ice. Antarctic Science, 2013, 25, 421-432.	0.9	24
46	Organic-walled microfossils from the north-west Weddell Sea, Antarctica: records from surface sediments after the collapse of the Larsen-A and Prince Gustav Channel ice shelves. Antarctic Science, 2013, 25, 565-574.	0.9	7
47	Bioavailability of riverine dissolved organic matter in three Baltic Sea estuaries and the effect of catchment land use. Biogeosciences, 2013, 10, 6969-6986.	3.3	122
48	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.	1.8	29
49	Eukaryotic and prokaryotic microbial communities during microalgal biomass production. Bioresource Technology, 2012, 124, 387-393.	9.6	41
50	Halophyte filter beds for treatment of saline wastewater from aquaculture. Water Research, 2012, 46, 5102-5114.	11.3	93
51	36 year trends in dissolved organic carbon export from Finnish rivers to the Baltic Sea. Science of the Total Environment, 2012, 435-436, 188-201.	8.0	67
52	Production and Characterization of the Intra―and Extracellular Carbohydrates and Polymeric Substances (EPS) of Three Seaâ€lce Diatom Species, and Evidence for a Cryoprotective Role for EPS. Journal of Phycology, 2012, 48, 1494-1509.	2.3	80
53	Chlorophyll <i>a</i> in Antarctic sea ice from historical ice core data. Geophysical Research Letters, 2012, 39, .	4.0	95
54	The effect of biological activity, CaCO ₃ mineral dynamics, and CO ₂ degassing in the inorganic carbon cycle in sea ice in late winterâ€early spring in the Weddell Sea, Antarctica. Journal of Geophysical Research, 2012, 117, .	3.3	27

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55	Linking CDOM spectral absorption to dissolved organic carbon concentrations and loadings in boreal estuaries. Estuarine, Coastal and Shelf Science, 2012, 111, 107-117.	2.1	68
56	Energy Demands of Nitrogen Supply in Mass Cultivation of Two Commercially Important Microalgal Species, Chlorella vulgaris and Dunaliella tertiolecta. Bioenergy Research, 2012, 5, 669-684.	3.9	39
57	Dissolved extracellular polymeric substances (dEPS) dynamics and bacterial growth during sea ice formation in an ice tank study. Polar Biology, 2012, 35, 661-676.	1.2	36
58	Process studies on the ecological coupling between sea ice algae and phytoplankton. Ecological Modelling, 2012, 226, 120-138.	2.5	57
59	Measurements of mineral particle optical absorption properties in turbid estuaries: Intercomparison of methods and implications for optical inversions. Estuarine, Coastal and Shelf Science, 2012, 99, 95-107.	2.1	11
60	Biogeochemical functioning of grazed estuarine tidal marshes along a salinity gradient. Estuarine, Coastal and Shelf Science, 2012, 100, 83-92.	2.1	24
61	Highly branched isoprenoids as proxies for variable sea ice conditions in the Southern Ocean. Antarctic Science, 2011, 23, 487-498.	0.9	75
62	Using fluorescence to characterize dissolved organic matter in Antarctic sea ice brines. Journal of Geophysical Research, 2011, 116, .	3.3	95
63	Biogenic hydrogen and methane production from Chlorella vulgaris and Dunaliella tertiolecta biomass. Biotechnology for Biofuels, 2011, 4, 34.	6.2	158
64	The characteristics of dissolved organic matter (DOM) and chromophoric dissolved organic matter (CDOM) in Antarctic sea ice. Deep-Sea Research Part II: Topical Studies in Oceanography, 2011, 58, 1075-1091.	1.4	71
65	Physico-ecobiogeochemistry of East Antarctic pack ice during the winter-spring transition. Deep-Sea Research Part II: Topical Studies in Oceanography, 2011, 58, 1172-1181.	1.4	32
66	Cattle grazing drives nitrogen and carbon cycling in a temperate salt marsh. Soil Biology and Biochemistry, 2011, 43, 531-541.	8.8	65
67	Thermophilic, anaerobic co-digestion of microalgal biomass and cellulose for H2 production. Biodegradation, 2011, 22, 805-814.	3.0	65
68	Productivity, carbon dioxide uptake and net energy return of microalgal bubble column photobioreactors. Bioresource Technology, 2011, 102, 5775-5787.	9.6	132
69	Energy efficiency of an outdoor microalgal photobioreactor sited at mid-temperate latitude. Bioresource Technology, 2011, 102, 6687-6695.	9.6	56
70	Biogeochemistry of Sea Ice. Encyclopedia of Earth Sciences Series, 2011, , 98-102.	0.1	2
71	Sea ice contribution to the air–sea CO ₂ exchange in the Arctic and Southern Oceans. Tellus, Series B: Chemical and Physical Meteorology, 2011, 63,	1.6	30
72	Dissolved organic matter (DOM) in microalgal photobioreactors: A potential loss in solar energy conversion?. Bioresource Technology, 2010, 101, 8690-8697.	9.6	95

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73	Brief Communication: lkaite (CaCO ₃ ·6H ₂ O) discovered in Arctic sea ice. Cryosphere, 2010, 4, 227-230.	3.9	99
74	Buoyancy and diapause in Antarctic copepods: The role of ammonium accumulation. Limnology and Oceanography, 2010, 55, 1860-1864.	3.1	34
75	Distribution and composition of dissolved extracellular polymeric substances (EPS) in Antarctic sea ice. Marine Ecology - Progress Series, 2010, 404, 1-19.	1.9	91
76	Exudation and decomposition of chromophoric dissolved organic matter (CDOM) from some temperate macroalgae. Estuarine, Coastal and Shelf Science, 2009, 84, 147-153.	2.1	59
77	Biogeochemical conditions and ice algal photosynthetic parameters in Weddell Sea ice during early spring. Polar Biology, 2009, 32, 1055-1065.	1.2	28
78	Dinoflagellates in a fast-ice covered inlet of the Riiser-Larsen Ice Shelf (Weddell Sea). Polar Biology, 2009, 32, 1331-1343.	1.2	4
79	Biogeochemical observations during the winter–spring transition in East Antarctic sea ice: Evidence of iron and exopolysaccharide controls. Marine Chemistry, 2009, 115, 163-175.	2.3	84
80	Inorganic carbon removal and isotopic enrichment in Antarctic sea ice gap layers during early austral summer. Marine Ecology - Progress Series, 2009, 386, 15-27.	1.9	26
81	Microalgae in Polar Regions: Linking Functional Genomics and Physiology with Environmental Conditions. , 2008, , 285-312.		10
82	Stratification and the distribution of phytoplankton, nutrients, inorganic carbon, and sulfur in the surface waters of Weddell Sea leads. Deep-Sea Research Part II: Topical Studies in Oceanography, 2008, 55, 988-999.	1.4	14
83	Copepods in sea ice of the western Weddell Sea during austral spring 2004. Deep-Sea Research Part II: Topical Studies in Oceanography, 2008, 55, 1056-1067.	1.4	19
84	Short-term biogenic particle flux under late spring sea ice in the western Weddell Sea. Deep-Sea Research Part II: Topical Studies in Oceanography, 2008, 55, 1024-1039.	1.4	17
85	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
86	Seasonal and interannual variability in temperature, chlorophyll and macronutrients in northern Marguerite Bay, Antarctica. Deep-Sea Research Part II: Topical Studies in Oceanography, 2008, 55, 1988-2006.	1.4	160
87	Calcium carbonate as ikaite crystals in Antarctic sea ice. Geophysical Research Letters, 2008, 35, .	4.0	204
88	Introduction to the polar regions. , 2008, , 1-27.		1
89	Stress, adaptation, and survival in polar regions. , 2008, , 28-52.		2

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91	Glacial habitats in polar regions. , 2008, , 101-115.		1
92	Birds and mammals in polar regions. , 2008, , 259-283.		0
93	Climate change in polar regions. , 2008, , 284-300.		0
94	Frozen oceans in polar regions. , 2008, , 179-219.		0
95	Open oceans in polar regions. , 2008, , 143-178.		0
96	Human impact on polar regions. , 2008, , 301-331.		0
97	Marine benthos in polar regions. , 2008, , 220-258.		0
98	Inland waters in polar regions. , 2008, , 116-142.		0
99	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
100	Characteristics of Dissolved Organic Matter in Baltic Coastal Sea Ice:  Allochthonous or Autochthonous Origins?. Environmental Science & Technology, 2007, 41, 7273-7279.	10.0	233
101	Evidence against recent climate-induced destabilisation of soil carbon from14C analysis of riverine dissolved organic matter. Geophysical Research Letters, 2007, 34, .	4.0	115
102	Spatial variation of biogeochemical properties of landfast sea ice in the Gulf of Bothnia, Baltic Sea. Annals of Glaciology, 2006, 44, 80-87.	1.4	23
103	Biomass, composition and activity of organism assemblages along a salinity gradient in sea ice subjected to river discharge in the Baltic Sea. Polar Biology, 2006, 30, 183-197.	1.2	40
104	Sea ice in the Baltic Sea – A review. Estuarine, Coastal and Shelf Science, 2006, 70, 145-160.	2.1	101
105	Recent advances in sea-ice microbiology. Environmental Microbiology, 2005, 7, 605-619.	3.8	132
106	Influence of freshwater inflow on the inorganic nutrient and dissolved organic matter within coastal sea ice and underlying waters in the Gulf of Finland (Baltic Sea). Estuarine, Coastal and Shelf Science, 2005, 65, 109-122.	2.1	47
107	Scales of horizontal patchiness in chlorophyll a, chemical and physical properties of landfast sea ice in the Gulf of Finland (Baltic Sea). Polar Biology, 2005, 28, 276-283.	1.2	42
108	Phytoplankton dynamics in relation to hydrography, nutrients and zooplankton at the onset of sea ice formation in the eastern Weddell Sea (Antarctica). Polar Biology, 2005, 28, 700-713.	1.2	26

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109	Photosynthetic microbes in freezing deserts. Trends in Microbiology, 2005, 13, 87-88.	7.7	35
110	Interpreting the colour of an estuary. Estuarine, Coastal and Shelf Science, 2004, 59, 13-20.	2.1	99
111	Copepods in summer platelet ice in the eastern Weddell Sea, Antarctica. Polar Biology, 2004, 27, 502.	1.2	13
112	Rates of organic carbon oxidation in deep sea sediments in the eastern North Atlantic from pore water profiles of O2 and the δ13C of dissolved inorganic carbon. Marine Geology, 2004, 212, 97-111.	2.1	6
113	Experimental evidence for carbonate precipitation and CO2 degassing during sea ice formation. Geochimica Et Cosmochimica Acta, 2004, 68, 1749-1761.	3.9	128
114	Chemical properties of brackish water ice in the Bothnian Bay, the Baltic Sea. Journal of Glaciology, 2004, 50, 292-302.	2.2	13
115	Large scale importance of sea ice biology in the Southern Ocean. Antarctic Science, 2004, 16, 471-486.	0.9	223
116	Surface ice and gap layers in Antarctic sea ice: highly productive habitats. Marine Ecology - Progress Series, 2004, 277, 1-12.	1.9	49
117	The biology and chemistry of land fast ice in the White Sea, Russia?A comparison of winter and spring conditions. Polar Biology, 2003, 26, 707-719.	1.2	30
118	Iron Limitation in the Southern Ocean. Science, 2003, 302, 565c-566.	12.6	14
119	Micro-optodes in sea ice: a new approach to investigate oxygen dynamics during sea ice formation. Aquatic Microbial Ecology, 2002, 29, 297-306.	1.8	43
120	Antarctic Sea Icea Habitat for Extremophiles. Science, 2002, 295, 641-644.	12.6	563
121	Ecology of Southern Ocean pack ice. Advances in Marine Biology, 2002, 43, 171-IN4.	1.4	133
122	Dissolved organic carbon in sediments from the eastern North Atlantic. Marine Chemistry, 2002, 79, 37-47.	2.3	28
123	Particulate organic matter in Antarctic summer sea ice: concentration and stable isotopic composition. Marine Ecology - Progress Series, 2002, 238, 1-13.	1.9	83
124	Spatial and temporal distribution of Trichodesmium spp. in the stratified Gulf of Aqaba, Red Sea. Marine Ecology - Progress Series, 2002, 239, 241-250.	1.9	86
125	Biogeochemistry of platelet ice: its influence on particle flux under fast ice in the Weddell Sea, Antarctica. , 2002, , 169-179.		0
126	Dissolved carbohydrates in Antarctic sea ice. Antarctic Science, 2001, 13, 119-125.	0.9	42

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127	The occurrence of the copepods Stephos longipes (Calanoida) and Drescheriella glacialis (Harpacticoida) in summer sea ice in the Weddell Sea, Antarctica. Antarctic Science, 2001, 13, 150-157.	0.9	38
128	Dissolved organic matter in Antarctic sea ice. Annals of Glaciology, 2001, 33, 297-303.	1.4	98
129	Behaviour of dissolved organic matter and inorganic nutrients during experimental sea-ice formation. Annals of Glaciology, 2001, 33, 317-321.	1.4	75
130	Surface properties and processes of perennial Antarctic sea ice in summer. Journal of Glaciology, 2001, 47, 613-625.	2.2	122
131	Biogeochemistry of platelet ice: its influence on particle flux under fast ice in the Weddell Sea, Antarctica. Polar Biology, 2001, 24, 486-496.	1.2	44
132	Meiofauna in sea ice of the Weddell Sea (Antarctica). Polar Biology, 2001, 24, 724-728.	1.2	38
133	Flocculation modelling: a review. Water Research, 1999, 33, 1579-1592.	11.3	377
134	Multidisciplinary ice tank study shedding new light on sea ice growth processes. Eos, 1999, 80, 507-513.	0.1	15
135	Dissolved organic matter and nutrients in the Lena River, Siberian Arctic: Characteristics and distribution. Marine Chemistry, 1998, 59, 301-309.	2.3	127
136	A compilation of data on sea ice algal standing crop from the Belingshausen, Amundsen and Weddell Seas from 1983 to 1994. Antarctic Research Series, 1998, , 85-92.	0.2	21
137	Biological soup within decaying slimmer sea ice in the Amundsen Sea, Antarctica. Antarctic Research Series, 1998, , 161-171.	0.2	47
138	Growth and photosynthesis of the Antarctic red algae Palmaria decipiens (Palmariales) and Iridaea cordata (Gigartinales) during and following extended periods of darkness. Phycologia, 1997, 36, 395-405.	1.4	46
139	Dissolved organic matter studies in enclosed systems: Application of Hydrophobic fractionation for the assessment of organic nitrogen dynamics. Journal of Marine Systems, 1997, 13, 155-161.	2.1	10
140	Methodological investigations on DOC determinations by the HTCO method. Marine Chemistry, 1997, 56, 39-44.	2.3	43
141	Variations in photosynthetic characteristics of the Antarctic marine brown algaAscoseira mirabilisin relation to thallus age and size. European Journal of Phycology, 1996, 31, 167-172.	2.0	21
142	Prolonged darkness and diatom mortality I: Marine Antarctic species. Journal of Experimental Marine Biology and Ecology, 1996, 207, 25-41.	1.5	99
143	Dissolved organic matter in Arctic multi-year sea ice during winter: major components and relationship to ice characteristics. Polar Biology, 1995, 15, 477.	1.2	97
144	Comparison of summer and winter inorganic carbon, oxygen and nutrient concentrations in Antarctic sea ice brine. Marine Chemistry, 1995, 51, 81-91.	2.3	184

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145	Formation of recalcitrant organic matter: humification dynamics of algal derived dissolved organic carbon and its hydrophobic fractions. Marine Chemistry, 1995, 51, 193-199.	2.3	38
146	Life cycle strategy of the Antarctic calanoid copepod Stephos longipes. Progress in Oceanography, 1995, 36, 45-75.	3.2	54
147	Longitudinal Profiles of Growth, Photosynthesis and Light Independent Carbon Fixation in the Antarctic Brown Alga Ascoseira mirabilis. Botanica Marina, 1995, 38, .	1.2	38
148	Photodegradation of algal derived dissolved organic carbon. Marine Ecology - Progress Series, 1995, 116, 309-310.	1.9	41
149	XAD-fractionation of "new―dissolved organic matter: is the hydrophobic fraction seriously underestimated?. Marine Chemistry, 1994, 47, 93-96.	2.3	27
150	Isolation of Marine Dissolved Organic Matter: Evaluation of Sequential Combinations of XAD Resins 2, 4, and 7. Analytical Chemistry, 1994, 66, 2417-2419.	6.5	25
151	Allocation of photoassimilated carbon into major algal metabolite fractions: Variation between two diatom species isolated from the Weddell Sea (Antarctica). Polar Biology, 1993, 13, 281.	1.2	15
152	Variation in phytoplankton standing stock, chemical composition and physiology during sea-ice formation in the southeastern Weddell Sea, Antarctica. Journal of Experimental Marine Biology and Ecology, 1993, 173, 211-230.	1.5	66
153	Efficiency of carbon assimilation and photoacclimation in a small unicellular Chaetoceros species from the Weddell Sea (Antarctica): influence of temperature and irradiance. Journal of Experimental Marine Biology and Ecology, 1992, 157, 195-209.	1.5	30
154	Salt Tolerance of <i>Ectocarpus siliculosus</i> (Dillw.) Lyngb.: Comparison of Gametophytes, Sporophytes and Isolates of Different Geographic Origin. Botanica Acta, 1991, 104, 26-36.	1.6	27
155	Differences in osmoacclimation between sporophytes and gametophytes of the brown alga Ectocarpus siliculosus. Physiologia Plantarum, 1991, 83, 281-289.	5.2	13
156	Photosynthesis, dark respiration and light independent carbon fixation of endemic Antarctic macroalgae. Polar Biology, 1991, 11, 329.	1.2	43
157	Differences in osmoacclimation between sporophytes and gametophytes of the brown alga Ectocarpus siliculosus. Physiologia Plantarum, 1991, 83, 281-289.	5.2	1
158	Physiological Responses to Salt Stress of Two Ecologically Different Cladophora Species. Botanica Marina, 1989, 32, .	1.2	8
159	Interactive Effects of Temperature and Salinity upon Net Photosynthesis of <i>Cladophora glomerata </i> (L.) Kütz. and <i>C. rupestris </i> (L.) Kütz Botanica Marina, 1988, 31, 73-78.	1.2	19
160	Life Inside and Under Frozen Seawater. Frontiers for Young Minds, 0, 8, .	0.8	0