

Kevin Arrigo

List of Publications by Year in descending order

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155
papers

18,875
citations

14644

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12933

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162
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12436
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#	ARTICLE	IF	CITATIONS
1	Increases in Benthic Particulate Export and Sedimentary Denitrification in the Northern Chukchi Sea Tied to Under-Ice Primary Production. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	1.0	3
2	Springtime phytoplankton responses to light and iron availability along the western Antarctic Peninsula. <i>Limnology and Oceanography</i> , 2022, 67, 800-815.	1.6	2
3	Seasonal Water Mass Evolution and Non-Redfield Dynamics Enhance CO ₂ Uptake in the Chukchi Sea. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	1.0	5
4	Massive Southern Ocean phytoplankton bloom fed by iron of possible hydrothermal origin. <i>Nature Communications</i> , 2021, 12, 1211.	5.8	25
5	Physical Controls on the Macrofaunal Benthic Biomass in Barrow Canyon, Chukchi Sea. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC017091.	1.0	4
6	Fe-binding organic ligands in coastal and frontal regions of the western Antarctic Peninsula. <i>Biogeosciences</i> , 2021, 18, 4587-4601.	1.3	7
7	UCYN-A/haptophyte symbioses dominate N ₂ fixation in the Southern California Current System. <i>ISME Communications</i> , 2021, 1, .	1.7	17
8	Changes in Under-Ice Primary Production in the Chukchi Sea From 1988 to 2018. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2021JC017483.	1.0	7
9	The distribution of Fe across the shelf of the Western Antarctic Peninsula at the start of the phytoplankton growing season. <i>Marine Chemistry</i> , 2021, , 104066.	0.9	3
10	Under-Ice Phytoplankton Blooms: Shedding Light on the "Invisible" Part of Arctic Primary Production. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	60
11	Dissolved Trace Metals in the Ross Sea. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	21
12	The Atlantic Water Boundary Current in the Chukchi Borderland and Southern Canada Basin. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2020JC016197.	1.0	15
13	Summer High-Wind Events and Phytoplankton Productivity in the Arctic Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2020JC016565.	1.0	10
14	Environmental drivers of under-ice phytoplankton bloom dynamics in the Arctic Ocean. <i>Elementa</i> , 2020, 8, .	1.1	45
15	Synergistic interactions among growing stressors increase risk to an Arctic ecosystem. <i>Nature Communications</i> , 2020, 11, 6255.	5.8	22
16	Comparison of Cloud-Filling Algorithms for Marine Satellite Data. <i>Remote Sensing</i> , 2020, 12, 3313.	1.8	20
17	Ocean Color Algorithms for Estimating Chlorophyll <i>a</i> , CDOM Absorption, and Particle Backscattering in the Arctic Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015706.	1.0	36
18	Unusual marine cyanobacteria/haptophyte symbiosis relies on N ₂ fixation even in N-rich environments. <i>ISME Journal</i> , 2020, 14, 2395-2406.	4.4	58

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19	Changes in phytoplankton concentration now drive increased Arctic Ocean primary production. <i>Science</i> , 2020, 369, 198-202.	6.0	244
20	Analysis of Iron Sources in Antarctic Continental Shelf Waters. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015736.	1.0	29
21	Climate effects on temporal and spatial dynamics of phytoplankton and zooplankton in the Barents Sea. <i>Progress in Oceanography</i> , 2020, 185, 102320.	1.5	78
22	Zooplankton and micronekton respond to climate fluctuations in the Amundsen Sea polynya, Antarctica. <i>Scientific Reports</i> , 2019, 9, 10087.	1.6	22
23	Characteristics and Transformation of Pacific Winter Water on the Chukchi Sea Shelf in Late Spring. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 7153-7177.	1.0	25
24	Light Is the Primary Driver of Early Season Phytoplankton Production Along the Western Antarctic Peninsula. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 7375-7399.	1.0	27
25	Water Mass Evolution and Circulation of the Northeastern Chukchi Sea in Summer: Implications for Nutrient Distributions. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 4416-4432.	1.0	41
26	Seasonal to mesoscale variability of water masses and atmospheric conditions in Barrow Canyon, Chukchi Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2019, 162, 32-49.	0.6	40
27	Benthic fluxes of trace metals in the Chukchi Sea and their transport into the Arctic Ocean. <i>Marine Chemistry</i> , 2019, 208, 43-55.	0.9	45
28	Photoacclimation of Arctic Ocean phytoplankton to shifting light and nutrient limitation. <i>Limnology and Oceanography</i> , 2019, 64, 284-301.	1.6	54
29	Exploring the Potential Impact of Greenland Meltwater on Stratification, Photosynthetically Active Radiation, and Primary Production in the Labrador Sea. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 2570-2591.	1.0	37
30	Ice algal communities in the Chukchi and Beaufort Seas in spring and early summer: Composition, distribution, and coupling with phytoplankton assemblages. <i>Limnology and Oceanography</i> , 2018, 63, 1109-1133.	1.6	24
31	Nitrogen Limitation of the Summer Phytoplankton and Heterotrophic Prokaryote Communities in the Chukchi Sea. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	42
32	Drivers of Ice Algal Bloom Variability Between 1980 and 2015 in the Chukchi Sea. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 7037-7052.	1.0	10
33	Under-ice Phytoplankton Blooms Inhibited by Spring Convective Mixing in Refreezing Leads. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 90-109.	1.0	34
34	Microalgal community structure and primary production in Arctic and Antarctic sea ice: A synthesis. <i>Elementa</i> , 2018, 6, .	1.1	107
35	Delineating environmental control of phytoplankton biomass and phenology in the Southern Ocean. <i>Geophysical Research Letters</i> , 2017, 44, 5016-5024.	1.5	79
36	Differential effects of nitrate, ammonium, and urea as N sources for microbial communities in the North Pacific Ocean. <i>Limnology and Oceanography</i> , 2017, 62, 2550-2574.	1.6	39

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37	Early Spring Phytoplankton Dynamics in the Western Antarctic Peninsula. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 9350-9369.	1.0	45
38	Late Spring Nitrate Distributions Beneath the Ice-Covered Northeastern Chukchi Shelf. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 2409-2417.	1.3	34
39	Melting glaciers stimulate large summer phytoplankton blooms in southwest Greenland waters. <i>Geophysical Research Letters</i> , 2017, 44, 6278-6285.	1.5	82
40	Mass balance estimates of carbon export in different water masses of the Chukchi Sea shelf. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2016, 130, 88-99.	0.6	7
41	Decadal trends in air-sea CO ₂ exchange in the Ross Sea (Antarctica). <i>Geophysical Research Letters</i> , 2016, 43, 5271-5278.	1.5	8
42	Advection in polar and sub-polar environments: Impacts on high latitude marine ecosystems. <i>Progress in Oceanography</i> , 2016, 149, 40-81.	1.5	95
43	Spatial analysis of trends in primary production and relationship with large-scale climate variability in the Ross Sea, Antarctica (1997-2013). <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 368-386.	1.0	32
44	Iron supply and demand in an Antarctic shelf ecosystem. <i>Geophysical Research Letters</i> , 2015, 42, 8088-8097.	1.5	73
45	Environmental controls of marine productivity hot spots around Antarctica. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 5545-5565.	1.0	162
46	Characterizing the subsurface chlorophyll a maximum in the Chukchi Sea and Canada Basin. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2015, 118, 88-104.	0.6	67
47	The seasonal cycle of the Arctic Ocean under climate change. <i>Geophysical Research Letters</i> , 2015, 42, 7681-7686.	1.5	29
48	Water properties, heat and volume fluxes of Pacific water in Barrow Canyon during summer 2010. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2015, 102, 43-54.	0.6	43
49	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.	1.5	222
50	Characteristics of colored dissolved organic matter (CDOM) in the Western Arctic Ocean: Relationships with microbial activities. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2015, 118, 44-52.	0.6	34
51	The influence of winter water on phytoplankton blooms in the Chukchi Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2015, 118, 53-72.	0.6	72
52	Continued increases in Arctic Ocean primary production. <i>Progress in Oceanography</i> , 2015, 136, 60-70.	1.5	506
53	Estimates of net community production in the Southern Ocean determined from time series observations (2002-2011) of nutrients, dissolved inorganic carbon, and surface ocean pCO ₂ in Drake Passage. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2015, 114, 49-63.	0.6	43
54	Tight coupling of primary production and marine mammal reproduction in the Southern Ocean. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20143137.	1.2	11

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55	Impacts of low phytoplankton NO ₃ :PO ₄ utilization ratios over the Chukchi Shelf, Arctic Ocean. Deep-Sea Research Part II: Topical Studies in Oceanography, 2015, 118, 105-121.	0.6	41
56	Aspects of the marine nitrogen cycle of the Chukchi Sea shelf and Canada Basin. Deep-Sea Research Part II: Topical Studies in Oceanography, 2015, 118, 73-87.	0.6	66
57	Fe availability drives phytoplankton photosynthesis rates during spring bloom in the Amundsen Sea Polynya, Antarctica. Elementa, 2015, 3, .	1.1	42
58	Seasonal sea ice changes in the Amundsen Sea, Antarctica, over the period of 1979–2014. Elementa, 2015, 3, .	1.1	35
59	Impacts of sea ice retreat, thinning, and melt-pond proliferation on the summer phytoplankton bloom in the Chukchi Sea, Arctic Ocean. Deep-Sea Research Part II: Topical Studies in Oceanography, 2014, 105, 85-104.	0.6	46
60	Sea Ice Ecosystems. Annual Review of Marine Science, 2014, 6, 439-467.	5.1	193
61	Climate change and Southern Ocean ecosystems I: how changes in physical habitats directly affect marine biota. Global Change Biology, 2014, 20, 3004-3025.	4.2	448
62	Phytoplankton blooms beneath the sea ice in the Chukchi sea. Deep-Sea Research Part II: Topical Studies in Oceanography, 2014, 105, 1-16.	0.6	187
63	Role of shelfbreak upwelling in the formation of a massive under-ice bloom in the Chukchi Sea. Deep-Sea Research Part II: Topical Studies in Oceanography, 2014, 105, 17-29.	0.6	49
64	Evidence of under-ice phytoplankton blooms in the Chukchi Sea from 1998 to 2012. Deep-Sea Research Part II: Topical Studies in Oceanography, 2014, 105, 105-117.	0.6	67
65	Twentieth century sea ice trends in the Ross Sea from a high-resolution, coastal ice core record. Geophysical Research Letters, 2014, 41, 3510-3516.	1.5	35
66	Annual primary production in Antarctic sea ice during 2005–2006 from a sea ice state estimate. Journal of Geophysical Research: Oceans, 2014, 119, 3645-3678.	1.0	47
67	Sea ice algal biomass and physiology in the Amundsen Sea, Antarctica. Elementa, 2014, 2, .	1.1	43
68	Productivity in the Barents Sea - Response to Recent Climate Variability. PLoS ONE, 2014, 9, e95273.	1.1	123
69	Long-term trends of upwelling and impacts on primary productivity in the Alaskan Beaufort Sea. Deep-Sea Research Part I: Oceanographic Research Papers, 2013, 79, 106-121.	0.6	104
70	Sea ice impacts on spring bloom dynamics and net primary production in the Eastern Bering Sea. Journal of Geophysical Research: Oceans, 2013, 118, 43-62.	1.0	75
71	Processes and patterns of oceanic nutrient limitation. Nature Geoscience, 2013, 6, 701-710.	5.4	1,627
72	Insignificant buffering capacity of Antarctic shelf carbonates. Global Biogeochemical Cycles, 2013, 27, 11-20.	1.9	6

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73	Light and nutrient control of photosynthesis in natural phytoplankton populations from the Chukchi and Beaufort seas, Arctic Ocean. <i>Limnology and Oceanography</i> , 2013, 58, 2185-2205.	1.6	43
74	The changing Arctic Ocean. <i>Elementa</i> , 2013, 1, .	1.1	8
75	Contrasting trends in sea ice and primary production in the Bering Sea and Arctic Ocean. <i>ICES Journal of Marine Science</i> , 2012, 69, 1180-1193.	1.2	81
76	Simulation of a sea ice ecosystem using a hybrid model for slush layer desalination. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	39
77	Patterns and controlling factors of species diversity in the Arctic Ocean. <i>Journal of Biogeography</i> , 2012, 39, 2081-2088.	1.4	41
78	Mapping phytoplankton iron utilization: Insights into Southern Ocean supply mechanisms. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	113
79	Iron from melting glaciers fuels phytoplankton blooms in the Amundsen Sea (Southern Ocean): Phytoplankton characteristics and productivity. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2012, 71-76, 32-48.	0.6	113
80	Annual changes in sea ice and phytoplankton in polynyas of the Amundsen Sea, Antarctica. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2012, 71-76, 5-15.	0.6	102
81	Iron from melting glaciers fuels the phytoplankton blooms in Amundsen Sea (Southern Ocean): Iron biogeochemistry. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2012, 71-76, 16-31.	0.6	191
82	Phytoplankton biomass and pigment responses to Fe amendments in the Pine Island and Amundsen polynyas. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2012, 71-76, 61-76.	0.6	31
83	Key role of organic complexation of iron in sustaining phytoplankton blooms in the Pine Island and Amundsen Polynyas (Southern Ocean). <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2012, 71-76, 49-60.	0.6	62
84	Spatial distribution of pCO ₂ , δ ¹⁸ O ₂ /Ar and dimethylsulfide (DMS) in polynya waters and the sea ice zone of the Amundsen Sea, Antarctica. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2012, 71-76, 77-93.	0.6	52
85	The Ross Sea in a Sea of Change. <i>Oceanography</i> , 2012, 25, 90-103.	0.5	86
86	ASPIRE: The Amundsen Sea Polynya International Research Expedition. <i>Oceanography</i> , 2012, 25, 40-53.	0.5	116
87	Massive Phytoplankton Blooms Under Arctic Sea Ice. <i>Science</i> , 2012, 336, 1408-1408.	6.0	606
88	THE EFFECT OF IRON LIMITATION ON THE PHOTOPHYSIOLOGY OF <i>PHAEOCYSTIS ANTARCTICA</i> (PRYMNESIOPHYCEAE) AND <i>FRAGILARIOPSIS CYLINDRUS</i> (BACILLARIOPHYCEAE) UNDER DYNAMIC IRRADIANCE. <i>Journal of Phycology</i> , 2012, 48, 45-59.	1.0	100
89	Early season depletion of dissolved iron in the Ross Sea polynya: Implications for iron dynamics on the Antarctic continental shelf. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	105
90	Short-term photoacclimation effects on photoinhibition of phytoplankton in the Drake Passage (Southern Ocean). <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2011, 58, 943-955.	0.6	29

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91	Primary productivity in the Arctic Ocean: Impacts of complex optical properties and subsurface chlorophyll maxima on large-scale estimates. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	106
92	Secular trends in Arctic Ocean net primary production. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	339
93	A reassessment of primary production and environmental change in the Bering Sea. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	73
94	Spatial and temporal variation of photosynthetic parameters in natural phytoplankton assemblages in the Beaufort Sea, Canadian Arctic. <i>Polar Biology</i> , 2011, 34, 1915-1928.	0.5	41
95	STRATEGIES AND RATES OF PHOTOACCLIMATION IN TWO MAJOR SOUTHERN OCEAN PHYTOPLANKTON TAXA: <i>PHAEOCYSTIS ANTARCTICA</i> (HAPTOPHYTA) AND <i>FRAGILARIOPSIS CYLINDRUS</i> (BACILLARIOPHYCEAE). <i>Journal of Phycology</i> , 2010, 46, 1138-1151.	1.0	57
96	PHOTOPHYSIOLOGY IN TWO SOUTHERN OCEAN PHYTOPLANKTON TAXA: PHOTOSYNTHESIS OF <i>PHAEOCYSTIS ANTARCTICA</i> (PRYMNESIOPHYCEAE) AND <i>FRAGILARIOPSIS CYLINDRUS</i> (BACILLARIOPHYCEAE) UNDER SIMULATED MIXED-LAYER IRRADIANCE. <i>Journal of Phycology</i> , 2010, 46, 1114-1127.	1.0	64
97	Responding to climate change: Adlie Penguins confront astronomical and ocean boundaries. <i>Ecology</i> , 2010, 91, 2056-2069.	1.5	76
98	Photophysiology in Two Major Southern Ocean Phytoplankton Taxa: Photosynthesis and Growth of <i>Phaeocystis antarctica</i> and <i>Fragilariopsis cylindrus</i> under Different Irradiance Levels. <i>Integrative and Comparative Biology</i> , 2010, 50, 950-966.	0.9	136
99	Can photoinhibition control phytoplankton abundance in deeply mixed water columns of the Southern Ocean?. <i>Limnology and Oceanography</i> , 2010, 55, 1248-1264.	1.6	74
100	Air-sea flux of CO ₂ in the Arctic Ocean, 1998-2003. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	51
101	Ross ice shelf cavity circulation, residence time, and melting: Results from a model of oceanic chlorofluorocarbons. <i>Continental Shelf Research</i> , 2010, 30, 733-742.	0.9	21
102	Influence of light and temperature on the marine iron cycle: From theoretical to global modeling. <i>Global Biogeochemical Cycles</i> , 2009, 23, .	1.9	40
103	Sea ice variability and primary productivity in the Ross Sea, Antarctica, from methylsulphonate snow record. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	43
104	Contribution of under-ice primary production to an ice-edge upwelling phytoplankton bloom in the Canadian Beaufort Sea. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	209
105	Hydrodynamic control of phytoplankton loss to the benthos in an estuarine environment. <i>Limnology and Oceanography</i> , 2009, 54, 952-969.	1.6	27
106	Primary production in the Arctic Ocean, 1998-2006. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	308
107	UNDERSTANDING NITROGEN LIMITATION IN <i>AUREOCOCCUS ANOPHAGEFFERENS</i> (PELAGOPHYCEAE) THROUGH cDNA AND qRT-PCR ANALYSIS. <i>Journal of Phycology</i> , 2008, 44, 1235-1249.	1.0	56
108	Primary production in the Southern Ocean, 1997-2006. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	521

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109	Coastal Southern Ocean: A strong anthropogenic CO ₂ sink. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	211
110	Impact of a shrinking Arctic ice cover on marine primary production. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	763
111	Interannual variation in air-sea CO ₂ flux in the Ross Sea, Antarctica: A model analysis. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	41
112	The role of thermal and mechanical processes in the formation of the Ross Sea summer polynya. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	17
113	Marine manipulations. <i>Nature</i> , 2007, 450, 491-492.	13.7	81
114	Satellite estimation of marine particulate organic carbon in waters dominated by different phytoplankton taxa. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	31
115	Processes governing the supply of iron to phytoplankton in stratified seas. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	49
116	Constraints on the extent of the Ross Sea phytoplankton bloom. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	25
117	A comparison of global estimates of marine primary production from ocean color. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2006, 53, 741-770.	0.6	574
118	EXAMINATION OF DIEL CHANGES IN GLOBAL TRANSCRIPT ACCUMULATION IN SYNECHOCYSTIS (CYANOBACTERIA)1. <i>Journal of Phycology</i> , 2006, 42, 622-636.	1.0	18
119	Agricultural runoff fuels large phytoplankton blooms in vulnerable areas of the ocean. <i>Nature</i> , 2005, 434, 211-214.	13.7	438
120	Marine microorganisms and global nutrient cycles. <i>Nature</i> , 2005, 437, 349-355.	13.7	1,124
121	Iron in the Ross Sea: 2. Impact of discrete iron addition strategies. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	15
122	Iron in the Ross Sea: 1. Impact on CO ₂ fluxes via variation in phytoplankton functional group and non-Redfield stoichiometry. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	59
123	Decadal-scale changes in the climate and biota of the Pacific sector of the Southern Ocean, 1950s to the 1990s. <i>Antarctic Science</i> , 2005, 17, 171-182.	0.5	125
124	Annual cycles of sea ice and phytoplankton in Cape Bathurst polynya, southeastern Beaufort Sea, Canadian Arctic. <i>Geophysical Research Letters</i> , 2004, 31, .	1.5	124
125	Increased exposure of Southern Ocean phytoplankton to ultraviolet radiation. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	1.5	5
126	Annual changes in sea-ice, chlorophyll a, and primary production in the Ross Sea, Antarctica. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2004, 51, 117-138.	0.6	172

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127	Large scale importance of sea ice biology in the Southern Ocean. <i>Antarctic Science</i> , 2004, 16, 471-486.	0.5	223
128	Physical control of chlorophylla, POC, and TPN distributions in the pack ice of the Ross Sea, Antarctica. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	62
129	A comparison between excess barium and barite as indicators of carbon export. <i>Paleoceanography</i> , 2003, 18, n/a-n/a.	3.0	90
130	Impact of iceberg C-19 on Ross Sea primary production. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	64
131	A coupled ocean-ecosystem model of the Ross Sea: 2. Iron regulation of phytoplankton taxonomic variability and primary production. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	111
132	Impact of a deep ozone hole on Southern Ocean primary production. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	28
133	Phytoplankton dynamics within 37 Antarctic coastal polynya systems. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	389
134	Anomalously low zooplankton abundance in the Ross Sea: An alternative explanation. <i>Limnology and Oceanography</i> , 2003, 48, 686-699.	1.6	50
135	The interplay between upwelling and deep convective mixing in determining the seasonal phytoplankton dynamics in the Gulf of Aqaba: Evidence from SeaWiFS and MODIS. <i>Limnology and Oceanography</i> , 2003, 48, 2355-2368.	1.6	96
136	Taxon-specific differences in C/P and N/P drawdown for phytoplankton in the Ross Sea, Antarctica. <i>Geophysical Research Letters</i> , 2002, 29, 44-1-44-4.	1.5	46
137	Comparison of algorithms for estimating ocean primary production from surface chlorophyll, temperature, and irradiance. <i>Global Biogeochemical Cycles</i> , 2002, 16, 9-1-9-15.	1.9	232
138	Ecological impact of a large Antarctic iceberg. <i>Geophysical Research Letters</i> , 2002, 29, 8-1.	1.5	125
139	Rapid and early export of <i>Phaeocystis antarctica</i> blooms in the Ross Sea, Antarctica. <i>Nature</i> , 2000, 404, 595-598.	13.7	292
140	The Sulfur-Isotopic Composition of Cenozoic Seawater Sulfate: Implications for Pyrite Burial and Atmospheric Oxygen. <i>International Geology Review</i> , 2000, 42, 491-498.	1.1	5
141	Phytoplankton taxonomic variability in nutrient utilization and primary production in the Ross Sea. <i>Journal of Geophysical Research</i> , 2000, 105, 8827-8846.	3.3	183
142	Phytoplankton Community Structure and the Drawdown of Nutrients and CO ₂ in the Southern Ocean. <i>Science</i> , 1999, 283, 365-367.	6.0	719
143	PHOTOPHYSIOLOGICAL EVIDENCE OF NUTRIENT LIMITATION OF PLATELET ICE ALGAE IN MCMURDO SOUND, ANTARCTICA. <i>Journal of Phycology</i> , 1998, 34, 788-797.	1.0	35
144	Physical forcing of phytoplankton dynamics in the southwestern Ross Sea. <i>Journal of Geophysical Research</i> , 1998, 103, 1007-1021.	3.3	152

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145	Primary production in Southern Ocean waters. <i>Journal of Geophysical Research</i> , 1998, 103, 15587-15600.	3.3	352
146	Bio-optical properties of the southwestern Ross Sea. <i>Journal of Geophysical Research</i> , 1998, 103, 21683-21695.	3.3	74
147	Primary Production in Antarctic Sea Ice. <i>Science</i> , 1997, 276, 394-397.	6.0	219
148	Observations and simulations of physical and biological processes at ocean weather station P, 1951-1980. <i>Journal of Geophysical Research</i> , 1996, 101, 3697-3713.	3.3	65
149	MICROALGAL LIGHT-HARVESTING IN EXTREME LOW-LIGHT ENVIRONMENTS IN MCMURDO SOUND, ANTARCTICA1. <i>Journal of Phycology</i> , 1995, 31, 508-520.	1.0	53
150	Spring Phytoplankton Production in the Western Ross Sea. <i>Science</i> , 1994, 266, 261-263.	6.0	147
151	A high resolution bio-optical model of microalgal growth: Tests using sea-ice algal community time-series data. <i>Limnology and Oceanography</i> , 1994, 39, 609-631.	1.6	67
152	Distributions of Phytoplankton Blooms in the Southern Ocean. <i>Science</i> , 1993, 262, 1832-1837.	6.0	327
153	A simulated Antarctic ast ice ecosystem. <i>Journal of Geophysical Research</i> , 1993, 98, 6929-6946.	3.3	92
154	THE INFLUENCE OF SALINITY AND TEMPERATURE COVARIATION ON THE PHOTOPHYSIOLOGICAL CHARACTERISTICS OF ANTARCTIC SEA ICE MICROALGAE1. <i>Journal of Phycology</i> , 1992, 28, 746-756.	1.0	114
155	A bio-optical model of Antarctic sea ice. <i>Journal of Geophysical Research</i> , 1991, 96, 10581-10592.	3.3	85