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List of Publications by Year
in descending order

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30 papers	1,261 citations	393982 19 h-index	454577 30 g-index
38 all docs	38 docs citations	38 times ranked	1815 citing authors

#	Article	IF	Citations
1	Unexpected Levels of Biological Activity during the Polar Night Offer New Perspectives on a Warming Arctic. Current Biology, 2015, 25, 2555-2561.	1.8	163
2	The Weddell Gyre, Southern Ocean: Present Knowledge and Future Challenges. Reviews of Geophysics, 2019, 57, 623-708.	9.0	105
3	Emiliania huxleyi shows identical responses to elevated pCO2 in TA and DIC manipulations. Journal of Experimental Marine Biology and Ecology, 2011, 406, 54-62.	0.7	95
4	Iron Limitation Modulates Ocean Acidification Effects on Southern Ocean Phytoplankton Communities. PLoS ONE, 2013, 8, e79890.	1.1	88
5	Ocean acidification decreases the lightâ€use efficiency in an A ntarctic diatom under dynamic but not constant light. New Phytologist, 2015, 207, 159-171.	3.5	88
6	Differing Mechanisms of New Particle Formation at Two Arctic Sites. Geophysical Research Letters, 2021, 48, e2020GL091334.	1.5	70
7	Implications of observed inconsistencies in carbonate chemistry measurements for ocean acidification studies. Biogeosciences, 2012, 9, 2401-2405.	1.3	66
8	Compensation of ocean acidification effects in Arctic phytoplankton assemblages. Nature Climate Change, 2018, 8, 529-533.	8.1	60
9	Resilience by diversity: Large intraspecific differences in climate change responses of an Arctic diatom. Limnology and Oceanography, 2018, 63, 397-411.	1.6	48
10	The Arctic picoeukaryote <i>Micromonas pusilla</i> benefits synergistically from warming and ocean acidification. Biogeosciences, 2018, 15, 4353-4365.	1.3	44
11	Primary productivity and the coupling of photosynthetic electron transport and carbon fixation in the Arctic Ocean. Limnology and Oceanography, 2017, 62, 898-921.	1.6	43
12	Fast reactivation of photosynthesis in arctic phytoplankton during the polar night¹. Journal of Phycology, 2018, 54, 461-470.	1.0	43
13	Controls of primary production in two phytoplankton blooms in the Antarctic Circumpolar Current. Deep-Sea Research Part II: Topical Studies in Oceanography, 2017, 138, 63-73.	0.6	42
14	Physiological characteristics of open ocean and coastal phytoplankton communities of Western Antarctic Peninsula and Drake Passage waters. Deep-Sea Research Part I: Oceanographic Research Papers, 2015, 98, 115-124.	0.6	40
15	Company matters: The presence of other genotypes alters traits and intraspecific selection in an Arctic diatom under climate change. Global Change Biology, 2019, 25, 2869-2884.	4.2	34
16	Iron sources alter the response of Southern Ocean phytoplankton to ocean acidification. Marine Ecology - Progress Series, 2017, 578, 35-50.	0.9	33
17	Higher sensitivity towards light stress and ocean acidification in an Arctic seaâ€iceâ€associated diatom compared to a pelagic diatom. New Phytologist, 2020, 226, 1708-1724.	3.5	26
18	Functional Redundancy Facilitates Resilience of Subarctic Phytoplankton Assemblages toward Ocean Acidification and High Irradiance. Frontiers in Marine Science, 2017, 4, .	1.2	24

#	Article	IF	Citations
19	Resistance of Arctic phytoplankton to ocean acidification and enhanced irradiance. Polar Biology, 2018, 41, 399-413.	0.5	23
20	Annual cycle observations of aerosols capable of ice formation in central Arctic clouds. Nature Communications, 2022, 13, .	5.8	19
21	Spatial and Temporal Variability of Ice Algal Trophic Markersâ€"With Recommendations about Their Application. Journal of Marine Science and Engineering, 2020, 8, 676.	1.2	18
22	Kongsfjorden as Harbinger of the Future Arctic: Knowns, Unknowns and Research Priorities. Advances in Polar Ecology, 2019, , 537-562.	1.3	15
23	The Arctic picoeukaryote <i>Micromonas pusilla</i> benefits from ocean acidification under constant and dynamic light. Biogeosciences, 2020, 17, 635-647.	1.3	12
24	Airborne bacteria and particulate chemistry capture Phytoplankton bloom dynamics in an Arctic fjord. Atmospheric Environment, 2021, 256, 118458.	1.9	11
25	Are boundary conditions in surface productivity at the Southern Polar Front reflected in benthic activity?. Deep-Sea Research Part II: Topical Studies in Oceanography, 2014, 108, 51-59.	0.6	9
26	Revealing environmentally driven population dynamics of an Arctic diatom using a novel microsatellite <scp>PoolSeq</scp> barcoding approach. Environmental Microbiology, 2021, 23, 3809-3824.	1.8	6
27	Tight benthic-pelagic coupling drives seasonal and interannual changes in ironâ€'sulfur cycling in Arctic fjord sediments (Kongsfjorden, Svalbard). Journal of Marine Systems, 2021, , 103645.	0.9	5
28	Always ready? Primary production of Arctic phytoplankton at the end of the polar night. Limnology and Oceanography Letters, 2022, 7, 167-174.	1.6	5
29	Arctic sea ice algae differ markedly from phytoplankton in their ecophysiological characteristics. Marine Ecology - Progress Series, 2021, 666, 31-55.	0.9	4
30	Pelagic and iceâ€associated microalgae under elevated light and <scp>pCO₂</scp>: Contrasting physiological strategies in two Arctic diatoms. Limnology and Oceanography, 2022, 67, 1895-1910.	1.6	2