Sebastien Moreau

List of Publications by Year
in descending order

40	1,358	393982 19	344852 36
papers	citations	h-index	g-index

42	42	42	2464
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The biogeochemical role of a microbial biofilm in sea ice. Elementa, 2021, 9, .	1.1	13
2	Phenology and Environmental Control of Phytoplankton Blooms in the Kong HÃ¥kon VII Hav in the Southern Ocean. Frontiers in Marine Science, 2021, 8, .	1.2	13
3	Evidence for the Impact of Climate Change on Primary Producers in the Southern Ocean. Frontiers in Ecology and Evolution, 2021, 9, .	1.1	45
4	Nutrients in Water Masses in the Atlantic Sector of the Arctic Ocean: Temporal Trends, Mixing and Links With Primary Production. Journal of Geophysical Research: Oceans, 2021, 126, e2021JC017413.	1.0	12
5	Climate change impacts on sea-ice ecosystems and associated ecosystem services. Elementa, 2021, 9, .	1.1	26
6	Calving Event Led to Changes in Phytoplankton Bloom Phenology in the Mertz Polynya, Antarctica. Journal of Geophysical Research: Oceans, 2020, 125, e2020JC016387.	1.0	11
7	The future of Arctic sea-ice biogeochemistry and ice-associated ecosystems. Nature Climate Change, 2020, 10, 983-992.	8.1	96
8	Sea Ice CO₂ Dynamics Across Seasons: Impact of Processes at the Interfaces. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015807.	1.0	14
9	The Biogeochemical Structure of Southern Ocean Mesoscale Eddies. Journal of Geophysical Research: Oceans, 2020, 125, e2020JC016115.	1.0	19
10	Remote assessment of the fate of phytoplankton in the Southern Ocean sea-ice zone. Nature Communications, 2020, 11, 3108.	5.8	31
11	Nutrient Distribution in East Antarctic Summer Sea Ice: A Potential Iron Contribution From Glacial Basal Melt. Journal of Geophysical Research: Oceans, 2020, 125, e2020JC016130.	1.0	16
12	Implications of Sea Ice Management for Arctic Biogeochemistry. Eos, 2020, 101, .	0.1	2
13	Delivering Sustained, Coordinated, and Integrated Observations of the Southern Ocean for Global Impact. Frontiers in Marine Science, 2019, 6, .	1.2	67
14	Field Observations and Physicalâ€Biogeochemical Modeling Suggest Low Silicon Affinity for Antarctic Fast Ice Diatoms. Journal of Geophysical Research: Oceans, 2019, 124, 7837-7853.	1.0	11
15	Frontiers in Fine-Scale in situ Studies: Opportunities During the SWOT Fast Sampling Phase. Frontiers in Marine Science, 2019, 6, .	1.2	26
16	Sea Ice Meltwater and Circumpolar Deep Water Drive Contrasting Productivity in Three Antarctic Polynyas. Journal of Geophysical Research: Oceans, 2019, 124, 2943-2968.	1.0	31
17	Influence of organic complexation on dissolved iron distribution in East Antarctic pack ice. Marine Chemistry, 2018, 203, 28-37.	0.9	17
18	Evaluating Southern Ocean Carbon Eddyâ€Pump From Biogeochemicalâ€Argo Floats. Journal of Geophysical Research: Oceans, 2018, 123, 971-984.	1.0	69

#	Article	IF	Citations
19	Observations of Ice Nucleating Particles Over Southern Ocean Waters. Geophysical Research Letters, 2018, 45, 11,989.	1.5	110
20	Latitudinal distributions of particulate carbon export across the North Western Atlantic Ocean. Deep-Sea Research Part I: Oceanographic Research Papers, 2017, 129, 116-130.	0.6	18
21	Eddyâ€induced carbon transport across the Antarctic Circumpolar Current. Global Biogeochemical Cycles, 2017, 31, 1368-1386.	1.9	32
22	Biogeochemical Impact of Snow Cover and Cyclonic Intrusions on the Winter Weddell Sea Ice Pack. Journal of Geophysical Research: Oceans, 2017, 122, 9548-9571.	1.0	17
23	The impact of dissolved organic carbon and bacterial respiration on pCO2 in experimental sea ice. Progress in Oceanography, 2016, 141, 153-167.	1.5	1
24	Air-ice carbon pathways inferred from a sea ice tank experiment. Elementa, 2016, 4, .	1.1	11
25	Assessment of the sea-ice carbon pump: Insights from a three-dimensional ocean-sea-ice biogeochemical model (NEMO-LIM-PISCES). Elementa, 2016, 4, .	1.1	20
26	Ecological impacts of ultraviolet-B radiation on marine ecosystems. , 2016, , 261-281.		1
27	Drivers of inorganic carbon dynamics in firstâ€year sea ice: A model study. Journal of Geophysical Research: Oceans, 2015, 120, 471-495.	1.0	28
28	Climate change enhances primary production in the western Antarctic Peninsula. Global Change Biology, 2015, 21, 2191-2205.	4.2	58
29	Assessing the O2 budget under sea ice: An experimental and modelling approach. Elementa, 2015, 3, .	1.1	3
30	Modelling argon dynamics in first-year sea ice. Ocean Modelling, 2014, 73, 1-18.	1.0	29
31	Effects of enhanced temperature and ultraviolet B radiation on a natural plankton community of the Beagle Channel (southern Argentina): a mesocosm study. Aquatic Microbial Ecology, 2014, 72, 155-173.	0.9	13
32	The role of phytoplankton composition and microbial community metabolism in seaâ€“air Î”pCO2 variation in the Weddell Sea. Deep-Sea Research Part I: Oceanographic Research Papers, 2013, 82, 44-59.	0.6	13
33	Role of sea ice in global biogeochemical cycles: emerging views and challenges. Quaternary Science Reviews, 2013, 79, 207-230.	1.4	202
34	Response of phytoplankton dynamics to 19-year (1991â€“2009) climate trends in Potter Cove (Antarctica). Journal of Marine Systems, 2012, 92, 53-66.	0.9	178
35	Influence of microbial community composition and metabolism on airâ^'sea Î”pCO2 variation off the western Antarctic Peninsula. Marine Ecology - Progress Series, 2012, 446, 45-59.	0.9	20
36	The combined effect of ultraviolet B radiation and temperature increase on phytoplankton dynamics and cell cycle using pulse shape recording flow cytometry. Journal of Experimental Marine Biology and Ecology, 2011, 406, 95-107.	0.7	13

#	Article	IF	Citations
37	Variability of the microbial community in the western Antarctic Peninsula from late fall to spring during a low ice cover year. Polar Biology, 2010, 33, 1599-1614.	0.5	24
38	Opportunistic predation by small fishes on epibiota of jetty pilings in urban waterways. Journal of Fish Biology, 2008, 72, 205-217.	0.7	28
39	The Movement of CO2 Through the Frozen World of Sea Ice. Frontiers for Young Minds, 0, 8, .	0.8	2
40	What sea-ice biogeochemical modellers need from observers. Elementa, 0, 4, 000084.	1.1	17