Philippe Pondaven

List of Publications by Year
in descending order

26	2,383	471371 17	552653 26
papers	citations	h-index	g-index

26	26	26	3015
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of natural iron fertilization on carbon sequestration in the Southern Ocean. Nature, 2007, 446, 1070-1074.	13.7	707
2	Influence of diatom diversity on the ocean biological carbon pump. Nature Geoscience, 2018, 11, 27-37.	5.4	451
3	Resolving the â€˜opal paradoxâ€™ in the Southern Ocean. Nature, 2000, 405, 168-172.	13.7	213
4	Silica control of carbon dioxide. Nature, 2000, 406, 358-359.	13.7	194
5	Non-redfield carbon and nitrogen cycling in the Sargasso Sea: pelagic imbalances and export flux. Deep-Sea Research Part I: Oceanographic Research Papers, 2003, 50, 573-591.	0.6	105
6	Grazing-induced Changes in Cell Wall Silicification in a Marine Diatom. Protist, 2007, 158, 21-28.	0.6	104
7	Si/C decoupling in the world ocean: is the Southern Ocean different?. Deep-Sea Research Part II: Topical Studies in Oceanography, 2002, 49, 3127-3154.	0.6	69
8	Interannual variability of Si and N cycles at the time-series station KERFIX between 1990 and 1995 â€“ a 1-D modelling study. Deep-Sea Research Part I: Oceanographic Research Papers, 2000, 47, 223-257.	0.6	64
9	Modelling the silica pump in the Permanently Open Ocean Zone of the Southern Ocean. Journal of Marine Systems, 1998, 17, 587-619.	0.9	59
10	KERFIX, a time-series station in the Southern Ocean: a presentation. Journal of Marine Systems, 1998, 17, 555-569.	0.9	50
11	Factors controlling silicon and nitrogen biogeochemical cycles in high nutrient, low chlorophyll systems (the Southern Ocean and the North Pacific): Comparison with a mesotrophic system (the) Tj ETQq1 1 0.784314 rgBT /Overlock	0.6	49
12	Quantification of algal iron requirements in the Subantarctic Southern Ocean (Indian sector). Deep-Sea Research Part II: Topical Studies in Oceanography, 2002, 49, 3255-3273.	0.6	46
13	Simulation of upper-ocean biogeochemistry with a flexible-composition phytoplankton model: C, N and Si cycling in the western Sargasso Sea. Deep-Sea Research Part I: Oceanographic Research Papers, 2003, 50, 1445-1480.	0.6	45
14	Carbon, nitrogen and phosphorus elemental stoichiometry in aquacultured and wild-caught fish and consequences for pelagic nutrient dynamics. Marine Biology, 2011, 158, 2847-2862.	0.7	40
15	Effects of surface quasi-geostrophic turbulence on phytoplankton competition and coexistence. Journal of Marine Research, 2011, 69, 105-135.	0.3	37
16	Simulation of upper-ocean biogeochemistry with a flexible-composition phytoplankton model: C, N and Si cycling and Fe limitation in the Southern Ocean. Deep-Sea Research Part II: Topical Studies in Oceanography, 2006, 53, 601-619.	0.6	33
17	Review of the diversity, traits, and ecology of zooxanthellate jellyfishes. Marine Biology, 2019, 166, 1.	0.7	32
18	Response of a phytoplankton community to increased nutrient inputs: A mesocosm experiment in the Bay of Brest (France). Journal of Experimental Marine Biology and Ecology, 2007, 351, 188-198.	0.7	17

#	Article	IF	Citations
19	Phytoplankton competition and coexistence: Intrinsic ecosystem dynamics and impact of vertical mixing. Journal of Marine Systems, 2010, 81, 99-111.	0.9	14
20	Recycling and Uptake of Si(OH)4 when Protozoan Grazers Feed on Diatoms. Protist, 2010, 161, 288-303.	0.6	14
21	Influence of consumer-driven nutrient recycling on primary production and the distribution of N and P in the ocean. Biogeosciences, 2010, 7, 1285-1305.	1.3	12
22	Phytoplankton size classes competitions at sub-mesoscale in a frontal oceanic region. Journal of Marine Systems, 2006, 60, 345-364.	0.9	10
23	Î´13C, Î´15N, and C:N ratios as nutrition indicators of zooxanthellate jellyfishes: insights from an experimental approach. Journal of Experimental Marine Biology and Ecology, 2020, 522, 151257.	0.7	7
24	Potential phytoplankton responses to iron and stratification changes in the Southern Ocean based on a flexibleâ€composition phytoplankton model. Global Biogeochemical Cycles, 2007, 21, .	1.9	6
25	Differences in size distribution of marine phytoplankton in presence versus absence of jellyfish support theoretical predictions on top-down control patterns along alternative energy pathways. Marine Biology, 2020, 167, 1.	0.7	4
26	Isotopic and elemental compositions reveal densityâ€dependent nutrition pathways in a population of mixotrophic jellyfish. Ecosphere, 2020, 11, e03295.	1.0	1