

# Philippe Pondaven

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4036908/publications.pdf>

Version: 2024-02-01

26  
papers

2,383  
citations

471371

17  
h-index

552653

26  
g-index

26  
all docs

26  
docs citations

26  
times ranked

3015  
citing authors

#	ARTICLE	IF	CITATIONS
1	$\delta^{13}\text{C}$ , $\delta^{15}\text{N}$ , and C:N ratios as nutrition indicators of zooxanthellate jellyfishes: insights from an experimental approach. <i>Journal of Experimental Marine Biology and Ecology</i> , 2020, 522, 151257.	0.7	7
2	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. <i>Marine Biology</i> , 2020, 167, 1.	0.7	4
3	Isotopic and elemental compositions reveal density-dependent nutrition pathways in a population of mixotrophic jellyfish. <i>Ecosphere</i> , 2020, 11, e03295.	1.0	1
4	Review of the diversity, traits, and ecology of zooxanthellate jellyfishes. <i>Marine Biology</i> , 2019, 166, 1.	0.7	32
5	Influence of diatom diversity on the ocean biological carbon pump. <i>Nature Geoscience</i> , 2018, 11, 27-37.	5.4	451
6	Effects of surface quasi-geostrophic turbulence on phytoplankton competition and coexistence. <i>Journal of Marine Research</i> , 2011, 69, 105-135.	0.3	37
7	Carbon, nitrogen and phosphorus elemental stoichiometry in aquacultured and wild-caught fish and consequences for pelagic nutrient dynamics. <i>Marine Biology</i> , 2011, 158, 2847-2862.	0.7	40
8	Phytoplankton competition and coexistence: Intrinsic ecosystem dynamics and impact of vertical mixing. <i>Journal of Marine Systems</i> , 2010, 81, 99-111.	0.9	14
9	Recycling and Uptake of $\text{Si}(\text{OH})_4$ when Protozoan Grazers Feed on Diatoms. <i>Protist</i> , 2010, 161, 288-303.	0.6	14
10	Influence of consumer-driven nutrient recycling on primary production and the distribution of N and P in the ocean. <i>Biogeosciences</i> , 2010, 7, 1285-1305.	1.3	12
11	Potential phytoplankton responses to iron and stratification changes in the Southern Ocean based on a flexible-composition phytoplankton model. <i>Global Biogeochemical Cycles</i> , 2007, 21, .	1.9	6
12	Effect of natural iron fertilization on carbon sequestration in the Southern Ocean. <i>Nature</i> , 2007, 446, 1070-1074.	13.7	707
13	Grazing-induced Changes in Cell Wall Silicification in a Marine Diatom. <i>Protist</i> , 2007, 158, 21-28.	0.6	104
14	Response of a phytoplankton community to increased nutrient inputs: A mesocosm experiment in the Bay of Brest (France). <i>Journal of Experimental Marine Biology and Ecology</i> , 2007, 351, 188-198.	0.7	17
15	Simulation of upper-ocean biogeochemistry with a flexible-composition phytoplankton model: C, N and Si cycling and Fe limitation in the Southern Ocean. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2006, 53, 601-619.	0.6	33
16	Phytoplankton size classes competitions at sub-mesoscale in a frontal oceanic region. <i>Journal of Marine Systems</i> , 2006, 60, 345-364.	0.9	10
17	Simulation of upper-ocean biogeochemistry with a flexible-composition phytoplankton model: C, N and Si cycling in the western Sargasso Sea. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2003, 50, 1445-1480.	0.6	45
18	Non-redfield carbon and nitrogen cycling in the Sargasso Sea: pelagic imbalances and export flux. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2003, 50, 573-591.	0.6	105

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Resolving the "opal paradox"™ in the Southern Ocean. Nature, 2000, 405, 168-172.	13.7	213
22	Silica control of carbon dioxide. Nature, 2000, 406, 358-359.	13.7	194
23	Interannual variability of Si and N cycles at the time-series station KERFIX between 1990 and 1995 – a 1-D modelling study. Deep-Sea Research Part I: Oceanographic Research Papers, 2000, 47, 223-257.	0.6	64
24	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 ETQq0 0 0 rg BT/Overlook 10 Tf 50		
25	KERFIX, a time-series station in the Southern Ocean: a presentation. Journal of Marine Systems, 1998, 17, 555-569.	0.9	50
26	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