

# François Ribalet

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

1,948  
citations

361413

20  
h-index

414414

32  
g-index

40  
all docs

40  
docs citations

40  
times ranked

2394  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Bayesian approach to modeling phytoplankton population dynamics from size distribution time series. <i>PLoS Computational Biology</i> , 2022, 18, e1009733.	3.2	2
2	Trophic interactions with heterotrophic bacteria limit the range of <i>Prochlorococcus</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	28
3	Viruses affect picocyanobacterial abundance and biogeography in the North Pacific Ocean. <i>Nature Microbiology</i> , 2022, 7, 570-580.	13.3	25
4	A single-cell polony method reveals low levels of infected <i>Prochlorococcus</i> in oligotrophic waters despite high cyanophage abundances. <i>ISME Journal</i> , 2021, 15, 41-54.	9.8	40
5	Diel transcriptional oscillations of light-sensitive regulatory elements in open-ocean eukaryotic plankton communities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	24
6	Particulate Metabolites and Transcripts Reflect Diel Oscillations of Microbial Activity in the Surface Ocean. <i>MSystems</i> , 2021, 6, .	3.8	29
7	Marine Community Metabolomes Carry Fingerprints of Phytoplankton Community Composition. <i>MSystems</i> , 2021, 6, .	3.8	26
8	A kernel-based change detection method to map shifts in phytoplankton communities measured by flow cytometry. <i>Methods in Ecology and Evolution</i> , 2021, 12, 1687-1698.	5.2	1
9	The Importance of the Phytoplankton "Middle Class" to Ocean Net Community Production. <i>Global Biogeochemical Cycles</i> , 2020, 34, e2020GB006702.	4.9	26
10	Latitudinal constraints on the abundance and activity of the cyanobacterium UCYN-A and other marine diazotrophs in the North Pacific. <i>Limnology and Oceanography</i> , 2020, 65, 1858-1875.	3.1	40
11	Diel variability of bulk optical properties associated with the growth and division of small phytoplankton in the North Pacific Subtropical Gyre. <i>Applied Optics</i> , 2020, 59, 6702.	1.8	14
12	Diel oscillations in the feeding activity of heterotrophic and mixotrophic nanoplankton in the North Pacific Subtropical Gyre. <i>Aquatic Microbial Ecology</i> , 2020, 85, 167-181.	1.8	13
13	Kauea lava fuels phytoplankton bloom in the North Pacific Ocean. <i>Science</i> , 2019, 365, 1040-1044.	12.6	35
14	SeaFlow data v1, high-resolution abundance, size and biomass of small phytoplankton in the North Pacific. <i>Scientific Data</i> , 2019, 6, 277.	5.3	36
15	Dynamics of Teleaulax-like cryptophytes during the decline of a red water bloom in the Columbia River Estuary. <i>Journal of Plankton Research</i> , 2017, 39, 589-599.	1.8	10
16	Two distinct pools of B <sub>12</sub> analogs reveal community interdependencies in the ocean. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 364-369.	7.1	174
17	Biological production, export efficiency, and phytoplankton communities across 8000 km of the South Atlantic. <i>Global Biogeochemical Cycles</i> , 2017, 31, 1066-1088.	4.9	10
18	Coordinated regulation of growth, activity and transcription in natural populations of the unicellular nitrogen-fixing cyanobacterium <i>Crocospaera</i> . <i>Nature Microbiology</i> , 2017, 2, 17118.	13.3	122

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19	Scalable clustering algorithms for continuous environmental flow cytometry. <i>Bioinformatics</i> , 2016, 32, 417-423.	4.1	15
20	Light-driven synchrony of <i>Prochlorococcus</i> growth and mortality in the subtropical Pacific gyre. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 8008-8012.	7.1	126
21	Phytoplankton Cell Lysis Associated with Polyunsaturated Aldehyde Release in the Northern Adriatic Sea. <i>PLoS ONE</i> , 2014, 9, e85947.	2.5	42
22	Collaborative Science Workflows in SQL. <i>Computing in Science and Engineering</i> , 2013, 15, 22-31.	1.2	8
23	Real-time collaborative analysis with (almost) pure SQL. , 2013, , .		4
24	The influence of net community production and phytoplankton community structure on CO <sub>2</sub> uptake in the Gulf of Alaska. <i>Global Biogeochemical Cycles</i> , 2013, 27, 664-676.	4.9	26
25	SeaFlow: A novel underway flow cytometer for continuous observations of phytoplankton in the ocean. <i>Limnology and Oceanography: Methods</i> , 2011, 9, 466-477.	2.0	42
26	flowPhyto: enabling automated analysis of microscopic algae from continuous flow cytometric data. <i>Bioinformatics</i> , 2011, 27, 732-733.	4.1	12
27	Unveiling a phytoplankton hotspot at a narrow boundary between coastal and offshore waters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 16571-16576.	7.1	74
28	High Plasticity in the Production of Diatom-derived Polyunsaturated Aldehydes under Nutrient Limitation: Physiological and Ecological Implications. <i>Protist</i> , 2009, 160, 444-451.	1.5	52
29	Ferritin is used for iron storage in bloom-forming marine pennate diatoms. <i>Nature</i> , 2009, 457, 467-470.	27.8	287
30	Differential effect of three polyunsaturated aldehydes on marine bacterial isolates. <i>Aquatic Toxicology</i> , 2008, 86, 249-255.	4.0	99
31	Growth inhibition of cultured marine phytoplankton by toxic algal-derived polyunsaturated aldehydes. <i>Aquatic Toxicology</i> , 2007, 85, 219-227.	4.0	106
32	Age and nutrient limitation enhance polyunsaturated aldehyde production in marine diatoms. <i>Phytochemistry</i> , 2007, 68, 2059-2067.	2.9	125
33	A Stress Surveillance System Based on Calcium and Nitric Oxide in Marine Diatoms. <i>PLoS Biology</i> , 2006, 4, e60.	5.6	248