

# C-Elisa Schaum

## List of Publications by Year in descending order

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Version: 2024-02-01

15  
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840776

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docs citations

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times ranked

1016  
citing authors

#	ARTICLE	IF	CITATIONS
1	Acclimation and adaptation to elevated $\text{CO}_2$ increase arsenic resilience in marine diatoms. ISME Journal, 2021, 15, 1599-1613.	9.8	13
2	Growth strategies of a model picoplankter depend on social milieu and $\text{CO}_2$ . Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20211154.	2.6	8
3	Differences in Carbon Acquisition Could Explain Adaptive Responses in a Baltic Sea Pico-Phytoplankton. Frontiers in Marine Science, 2021, 8, .	2.5	4
4	Functional redundancy in natural pico-phytoplankton communities depends on temperature and biogeography. Biology Letters, 2020, 16, 20200330.	2.3	9
5	Evolutionary temperature compensation of carbon fixation in marine phytoplankton. Ecology Letters, 2020, 23, 722-733.	6.4	86
6	Phytoplankton adaptation in ecosystem models. Journal of Theoretical Biology, 2019, 468, 60-71.	1.7	15
7	Enhanced biofilm formation aids adaptation to extreme warming and environmental instability in the diatom <i>Thalassiosira pseudonana</i> and its associated bacteria. Limnology and Oceanography, 2019, 64, 441-460.	3.1	10
8	Metabolic traits predict the effects of warming on phytoplankton competition. Ecology Letters, 2018, 21, 655-664.	6.4	55
9	Temperature-driven selection on metabolic traits increases the strength of an algal-grazer interaction in naturally warmed streams. Global Change Biology, 2018, 24, 1793-1803.	9.5	36
10	Environmental fluctuations accelerate molecular evolution of thermal tolerance in a marine diatom. Nature Communications, 2018, 9, 1719.	12.8	98
11	Nutrient limitation constrains thermal tolerance in freshwater phytoplankton. Limnology and Oceanography Letters, 2018, 3, 436-443.	3.9	35
12	Role of carbon allocation efficiency in the temperature dependence of autotroph growth rates. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E7361-E7368.	7.1	29
13	Adaptation of phytoplankton to a decade of experimental warming linked to increased photosynthesis. Nature Ecology and Evolution, 2017, 1, 94.	7.8	128
14	Environmental stability affects phenotypic evolution in a globally distributed marine picoplankton. ISME Journal, 2016, 10, 75-84.	9.8	66
15	Plasticity predicts evolution in a marine alga. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20141486.	2.6	152