

C-Elisa Schaum

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

754
citations

840776

11
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940533

16
g-index

20
all docs

20
docs citations

20
times ranked

1016
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasticity predicts evolution in a marine alga. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20141486.	2.6	152
2	Adaptation of phytoplankton to a decade of experimental warming linked to increased photosynthesis. <i>Nature Ecology and Evolution</i> , 2017, 1, 94.	7.8	128
3	Environmental fluctuations accelerate molecular evolution of thermal tolerance in a marine diatom. <i>Nature Communications</i> , 2018, 9, 1719.	12.8	98
4	Evolutionary temperature compensation of carbon fixation in marine phytoplankton. <i>Ecology Letters</i> , 2020, 23, 722-733.	6.4	86
5	Environmental stability affects phenotypic evolution in a globally distributed marine picoplankton. <i>ISME Journal</i> , 2016, 10, 75-84.	9.8	66
6	Metabolic traits predict the effects of warming on phytoplankton competition. <i>Ecology Letters</i> , 2018, 21, 655-664.	6.4	55
7	Temperature-driven selection on metabolic traits increases the strength of an algal-grazer interaction in naturally warmed streams. <i>Global Change Biology</i> , 2018, 24, 1793-1803.	9.5	36
8	Nutrient limitation constrains thermal tolerance in freshwater phytoplankton. <i>Limnology and Oceanography Letters</i> , 2018, 3, 436-443.	3.9	35
9	Role of carbon allocation efficiency in the temperature dependence of autotroph growth rates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E7361-E7368.	7.1	29
10	Phytoplankton adaptation in ecosystem models. <i>Journal of Theoretical Biology</i> , 2019, 468, 60-71.	1.7	15
11	Acclimation and adaptation to elevated CO_2 increase arsenic resilience in marine diatoms. <i>ISME Journal</i> , 2021, 15, 1599-1613.	9.8	13
12	Enhanced biofilm formation aids adaptation to extreme warming and environmental instability in the diatom <i>Thalassiosira pseudonana</i> and its associated bacteria. <i>Limnology and Oceanography</i> , 2019, 64, 441-460.	3.1	10
13	Functional redundancy in natural pico-phytoplankton communities depends on temperature and biogeography. <i>Biology Letters</i> , 2020, 16, 20200330.	2.3	9
14	Growth strategies of a model picoplanktoner depend on social milieu and CO_2 . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20211154.	2.6	8
15	Differences in Carbon Acquisition Could Explain Adaptive Responses in a Baltic Sea Pico-Phytoplankton. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	4