

Fouilland Eric

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2219153/publications.pdf>

Version: 2024-02-01

55
papers

1,586
citations

304743

22
h-index

315739

38
g-index

56
all docs

56
docs citations

56
times ranked

2277
citing authors

#	ARTICLE	IF	CITATIONS
1	A new kinetics model to predict the growth of micro-algae subjected to fluctuating availability of light. <i>Algal Research</i> , 2021, 58, 102362.	4.6	9
2	About frame estimation of growth functions and robust prediction in bioprocess modeling. <i>Journal of Process Control</i> , 2020, 85, 121-135.	3.3	0
3	Carbon isotope evidence for large methane emissions to the Proterozoic atmosphere. <i>Scientific Reports</i> , 2020, 10, 18186.	3.3	21
4	Impacts of chemical contamination on bacterio-phytoplankton coupling. <i>Chemosphere</i> , 2020, 257, 127165.	8.2	9
5	Control of the pH for marine microalgae polycultures: A key point for CO ₂ fixation improvement in intensive cultures. <i>Journal of CO₂ Utilization</i> , 2020, 38, 187-193.	6.8	29
6	Geochemistry of an endorheic thalassohaline ecosystem: the Dziani Dzaha crater lake (Mayotte) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5</i>	1.2	6
7	Demonstration of facilitation between microalgae to face environmental stress. <i>Scientific Reports</i> , 2019, 9, 16076.	3.3	20
8	Importance of ecological interactions during wastewater treatment using High Rate Algal Ponds under different temperate climates. <i>Algal Research</i> , 2019, 40, 101508.	4.6	40
9	Bioremediation of fishpond effluent and production of microalgae for an oyster farm in an innovative recirculating integrated multi-trophic aquaculture system. <i>Aquaculture</i> , 2019, 504, 314-325.	3.5	40
10	Interspecific differences in the effect of fish on marine microbial plankton. <i>Aquatic Microbial Ecology</i> , 2019, 82, 289-298.	1.8	3
11	Assessment of bacterial dependence on marine primary production along a northern latitudinal gradient. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	2.7	7
12	Influence of bacteria on the response of microalgae to contaminant mixtures. <i>Chemosphere</i> , 2018, 211, 449-455.	8.2	24
13	Significant Change in Marine Plankton Structure and Carbon Production After the Addition of River Water in a Mesocosm Experiment. <i>Microbial Ecology</i> , 2017, 74, 289-301.	2.8	5
14	Microbial Diversity and Cyanobacterial Production in Dziani Dzaha Crater Lake, a Unique Tropical Thalassohaline Environment. <i>PLoS ONE</i> , 2017, 12, e0168879.	2.5	33
15	Potentialities of dark fermentation effluents as substrates for microalgae growth: A review. <i>Process Biochemistry</i> , 2016, 51, 1843-1854.	3.7	85
16	Simulation Method Linking Dense Microalgal Culture Spectral Properties in the 400â€“750â€“nm Range to the Physiology of the Cells. <i>Applied Spectroscopy</i> , 2016, 70, 1018-1033.	2.2	3
17	Heterotrophic Bacteria Show Weak Competition for Nitrogen in Mediterranean Coastal Waters (Thau) <i>Tj ETQq1 1 0,784314 rgBT /Overlock 10 Tf 50 5</i>	2.8	10
18	Growth of <i>Chlorella sorokiniana</i> on a mixture of volatile fatty acids: The effects of light and temperature. <i>Bioresource Technology</i> , 2015, 198, 852-860.	9.6	36

#	ARTICLE	IF	CITATIONS
19	Raw dark fermentation effluent to support heterotrophic microalgae growth: microalgae successfully outcompete bacteria for acetate. <i>Algal Research</i> , 2015, 12, 119-125.	4.6	52
20	Environmental microbiology as a mosaic of explored ecosystems and issues. <i>Environmental Science and Pollution Research</i> , 2015, 22, 13577-13598.	5.3	10
21	Use of fermentative metabolites for heterotrophic microalgae growth: Yields and kinetics. <i>Bioresource Technology</i> , 2015, 175, 342-349.	9.6	76
22	Significance of Plankton Community Structure and Nutrient Availability for the Control of Dinoflagellate Blooms by Parasites: A Modeling Approach. <i>PLoS ONE</i> , 2015, 10, e0127623.	2.5	18
23	Microbial food web structural and functional responses to oyster and fish as top predators. <i>Marine Ecology - Progress Series</i> , 2015, 535, 11-27.	1.9	15
24	Bacterial carbon dependence on freshly produced phytoplankton exudates under different nutrient availability and grazing pressure conditions in coastal marine waters. <i>FEMS Microbiology Ecology</i> , 2014, 87, 757-769.	2.7	55
25	Coupling algal biomass production and anaerobic digestion: Production assessment of some native temperate and tropical microalgae. <i>Biomass and Bioenergy</i> , 2014, 70, 564-569.	5.7	23
26	Competition and facilitation between the marine nitrogen-fixing cyanobacterium <i>Cyanothece</i> and its associated bacterial community. <i>Frontiers in Microbiology</i> , 2014, 5, 795.	3.5	32
27	Screening and selection of growth-promoting bacteria for <i>Dunaliella</i> cultures. <i>Algal Research</i> , 2013, 2, 212-222.	4.6	111
28	Microbial carbon and nitrogen production under experimental conditions combining warming with increased ultraviolet-B radiation in Mediterranean coastal waters. <i>Journal of Experimental Marine Biology and Ecology</i> , 2013, 439, 47-53.	1.5	13
29	A new transportable floating mesocosm platform with autonomous sensors for real-time data acquisition and transmission for studying the pelagic food web functioning. <i>Limnology and Oceanography: Methods</i> , 2013, 11, 394-409.	2.0	11
30	Carbon conversion efficiency and population dynamics of a marine algae-bacteria consortium growing on simplified synthetic digestate: First step in a bioprocess coupling algal production and anaerobic digestion. <i>Bioresource Technology</i> , 2012, 119, 79-87.	9.6	46
31	Short-term responses of unicellular planktonic eukaryotes to increases in temperature and UVB radiation. <i>BMC Microbiology</i> , 2012, 12, 202.	3.3	5
32	Impact of a river flash flood on microbial carbon and nitrogen production in a Mediterranean Lagoon (Thau Lagoon, France). <i>Estuarine, Coastal and Shelf Science</i> , 2012, 113, 192-204.	2.1	23
33	Biodiversity as a tool for waste phycoremediation and biomass production. <i>Reviews in Environmental Science and Biotechnology</i> , 2012, 11, 1-4.	8.1	38
34	Complementary support for the new ecological concept of "bacterial independence on contemporary phytoplankton production" in oceanic waters. <i>FEMS Microbiology Ecology</i> , 2011, 78, 206-209.	2.7	12
35	Use of inhibitors for coastal bacteria and phytoplankton: Application to nitrogen uptake measurement. <i>Estuarine, Coastal and Shelf Science</i> , 2011, 93, 151-159.	2.1	15
36	Dynamics of microbial planktonic food web components during a river flash flood in a Mediterranean coastal lagoon. <i>Hydrobiologia</i> , 2011, 673, 13-27.	2.0	46

#	ARTICLE	IF	CITATIONS
37	Effects of experimental warming and increased ultraviolet B radiation on the Mediterranean plankton food web. <i>Limnology and Oceanography</i> , 2011, 56, 206-218.	3.1	71
38	Revisited phytoplanktonic carbon dependency of heterotrophic bacteria in freshwaters, transitional, coastal and oceanic waters. <i>FEMS Microbiology Ecology</i> , 2010, 73, 419-429.	2.7	92
39	Nitrogen uptake by heterotrophic bacteria and phytoplankton in Arctic surface waters. <i>Journal of Plankton Research</i> , 2007, 29, 369-376.	1.8	59
40	The influence of the balance of inorganic and organic nitrogen on the trophic dynamics of microbial food webs. <i>Limnology and Oceanography</i> , 2007, 52, 2147-2163.	3.1	51
41	The response of a planktonic microbial community to experimental simulations of sudden mixing conditions in temperate coastal waters: Importance of light regime and nutrient enrichment. <i>Journal of Experimental Marine Biology and Ecology</i> , 2007, 351, 211-225.	1.5	4
42	New and regenerated production during a late summer bloom in an Arctic polynya. <i>Marine Ecology - Progress Series</i> , 2007, 345, 13-26.	1.9	41
43	Productivity and Growth of a Natural Population of the Smallest Free-Living Eukaryote under Nitrogen Deficiency and Sufficiency. <i>Microbial Ecology</i> , 2004, 48, 103-110.	2.8	17
44	Eutrophication and some European waters of restricted exchange. <i>Continental Shelf Research</i> , 2003, 23, 1635-1671.	1.8	164
45	Effects of ultraviolet-B radiation and vertical mixing on nitrogen uptake by a natural planktonic community shifting from nitrate to silicic acid deficiency. <i>Limnology and Oceanography</i> , 2003, 48, 18-30.	3.1	12
46	Effects of bio-optical factors on the attenuation of ultraviolet and photosynthetically available radiation in the North Water Polynya, northern Baffin Bay: ecological implications. <i>Marine Ecology - Progress Series</i> , 2003, 252, 1-13.	1.9	14
47	Influence of nitrogen enrichment on size-fractionated in vitro carboxylase activities of phytoplankton from Thau Lagoon (Coastal Mediterranean Lagoon, France). <i>Journal of Experimental Marine Biology and Ecology</i> , 2002, 275, 147-171.	1.5	9
48	Size-fractionated Carboxylase Activities During a 32 h Cycle at 30 m Depth in the North-western Mediterranean Sea After an Episodic Wind Event. <i>Journal of Plankton Research</i> , 2001, 23, 623-632.	1.8	4
49	Surface water distribution of pico- and nanophytoplankton in relation to two distinctive water masses in the North Water, northern Baffin Bay, during fall. <i>Aquatic Microbial Ecology</i> , 2001, 23, 205-212.	1.8	29
50	Size-fractionated phytoplankton carboxylase activities in the Indian sector of the Southern Ocean. <i>Journal of Plankton Research</i> , 2000, 22, 1185-1201.	1.8	5
51	Autotrophic carbon assimilation and biomass from size-fractionated phytoplankton in the surface waters across the subtropical frontal zone (Indian Ocean). <i>Polar Biology</i> , 1999, 21, 90-96.	1.2	16
52	Effects of some operational factors on <i>Macrobrachium</i> (Decapoda, Palaemonidae) sampling using small 'wickertraps'. <i>Fisheries Research</i> , 1998, 34, 87-92.	1.7	6
53	Trapping efficiency of plastic bottle 'wickertraps' for population assessment of river <i>Macrobrachium</i> (Crustacea: Decapoda). <i>Fisheries Research</i> , 1996, 28, 343-351.	1.7	10
54	Annual Variations in CO ₂ Assimilation and Primary Production Measurements in a Mediterranean Lagoon (Thau Lagoon, France). , 1995, , 4765-4768.		1

#	ARTICLE	IF	CITATIONS
55	Fish, Algae, and Oysters: The Winning Trio in Aquaculture. <i>Frontiers for Young Minds</i> , 0, 7, .	0.8	0