Fouilland Eric

List of Publications by Year
in descending order

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	Eutrophication and some European waters of restricted exchange. Continental Shelf Research, 2003, 23, 1635-1671.	1.8	164
2	Screening and selection of growth-promoting bacteria for Dunaliella cultures. Algal Research, 2013, 2, 212-222.	4.6	111
3	Revisited phytoplanktonic carbon dependency of heterotrophic bacteria in freshwaters, transitional, coastal and oceanic waters. FEMS Microbiology Ecology, 2010, 73, 419-429.	2.7	92
4	Potentialities of dark fermentation effluents as substrates for microalgae growth: A review. Process Biochemistry, 2016, 51, 1843-1854.	3.7	85
5	Use of fermentative metabolites for heterotrophic microalgae growth: Yields and kinetics. Bioresource Technology, 2015, 175, 342-349.	9.6	76
6	Effects of experimental warming and increased ultraviolet B radiation on the Mediterranean plankton food web. Limnology and Oceanography, 2011, 56, 206-218.	3.1	71
7	Nitrogen uptake by heterotrophic bacteria and phytoplankton in Arctic surface waters. Journal of Plankton Research, 2007, 29, 369-376.	1.8	59
8	Bacterial carbon dependence on freshly produced phytoplankton exudates under different nutrient availability and grazing pressure conditions in coastal marine waters. FEMS Microbiology Ecology, 2014, 87, 757-769.	2.7	55
9	Raw dark fermentation effluent to support heterotrophic microalgae growth: microalgae successfully outcompete bacteria for acetate. Algal Research, 2015, 12, 119-125.	4.6	52
10	The influence of the balance of inorganic and organic nitrogen on the trophic dynamics of microbial food webs. Limnology and Oceanography, 2007, 52, 2147-2163.	3.1	51
11	Dynamics of microbial planktonic food web components during a river flash flood in a Mediterranean coastal lagoon. Hydrobiologia, 2011, 673, 13-27.	2.0	46
12	Carbon conversion efficiency and population dynamics of a marine algaeâ€“bacteria consortium growing on simplified synthetic digestate: First step in a bioprocess coupling algal production and anaerobic digestion. Bioresource Technology, 2012, 119, 79-87.	9.6	46
13	New and regenerated production during a late summer bloom in an Arctic polynya. Marine Ecology - Progress Series, 2007, 345, 13-26.	1.9	41
14	Importance of ecological interactions during wastewater treatment using High Rate Algal Ponds under different temperate climates. Algal Research, 2019, 40, 101508.	4.6	40
15	Bioremediation of fishpond effluent and production of microalgae for an oyster farm in an innovative recirculating integrated multi-trophic aquaculture system. Aquaculture, 2019, 504, 314-325.	3.5	40
16	Biodiversity as a tool for waste phycoremediation and biomass production. Reviews in Environmental Science and Biotechnology, 2012, 11, 1-4.	8.1	38
17	Growth of Chlorella sorokiniana on a mixture of volatile fatty acids: The effects of light and temperature. Bioresource Technology, 2015, 198, 852-860.	9.6	36
18	Microbial Diversity and Cyanobacterial Production in Dziani Dzaha Crater Lake, a Unique Tropical Thalassohaline Environment. PLoS ONE, 2017, 12, e0168879.	2.5	33

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19	Competition and facilitation between the marine nitrogen-fixing cyanobacterium Cyanothece and its associated bacterial community. Frontiers in Microbiology, 2014, 5, 795.	3.5	32
20	Control of the pH for marine microalgae polycultures: A key point for CO2 fixation improvement in intensive cultures. Journal of CO2 Utilization, 2020, 38, 187-193.	6.8	29
21	Surface water distribution of pico- and nanophytoplankton in relation to two distinctive water masses in the North Water, northern Baffin Bay, during fall. Aquatic Microbial Ecology, 2001, 23, 205-212.	1.8	29
22	Influence of bacteria on the response of microalgae to contaminant mixtures. Chemosphere, 2018, 211, 449-455.	8.2	24
23	Impact of a river flash flood on microbial carbon and nitrogen production in a Mediterranean Lagoon (Thau Lagoon, France). Estuarine, Coastal and Shelf Science, 2012, 113, 192-204.	2.1	23
24	Coupling algal biomass production and anaerobic digestion: Production assessment of some native temperate and tropical microalgae. Biomass and Bioenergy, 2014, 70, 564-569.	5.7	23
25	Carbon isotope evidence for large methane emissions to the Proterozoic atmosphere. Scientific Reports, 2020, 10, 18186.	3.3	21
26	Demonstration of facilitation between microalgae to face environmental stress. Scientific Reports, 2019, 9, 16076.	3.3	20
27	Significance of Plankton Community Structure and Nutrient Availability for the Control of Dinoflagellate Blooms by Parasites: A Modeling Approach. PLoS ONE, 2015, 10, e0127623.	2.5	18
28	Productivity and Growth of a Natural Population of the Smallest Free-Living Eukaryote under Nitrogen Deficiency and Sufficiency. Microbial Ecology, 2004, 48, 103-110.	2.8	17
29	Autotrophic carbon assimilation and biomass from size-fractionated phytoplankton in the surface waters across the subtropical frontal zone (Indian Ocean). Polar Biology, 1999, 21, 90-96.	1.2	16
30	Use of inhibitors for coastal bacteria and phytoplankton: Application to nitrogen uptake measurement. Estuarine, Coastal and Shelf Science, 2011, 93, 151-159.	2.1	15
31	Microbial food web structural and functional responses to oyster and fish as top predators. Marine Ecology - Progress Series, 2015, 535, 11-27.	1.9	15
32	Effects of bio-optical factors on the attenuation of ultraviolet and photosynthetically available radiation in the North Water Polynya, northern Baffin Bay: ecological implications. Marine Ecology - Progress Series, 2003, 252, 1-13.	1.9	14
33	Microbial carbon and nitrogen production under experimental conditions combining warming with increased ultraviolet-B radiation in Mediterranean coastal waters. Journal of Experimental Marine Biology and Ecology, 2013, 439, 47-53.	1.5	13
34	Effects of ultraviolet-B radiation and vertical mixing on nitrogen uptake by a natural planktonic community shifting from nitrate to silicic acid deficiency. Limnology and Oceanography, 2003, 48, 18-30.	3.1	12
35	Complementary support for the new ecological concept of â€˜bacterial independence on contemporary phytoplankton productionâ€™ in oceanic waters. FEMS Microbiology Ecology, 2011, 78, 206-209.	2.7	12
36	A new transportable floating mesocosm platform with autonomous sensors for real-time data acquisition and transmission for studying the pelagic food web functioning. Limnology and Oceanography: Methods, 2013, 11, 394-409.	2.0	11

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37	Trapping efficiency of plastic bottle â€œwickertrapsâ€•for population assessment of river Macrobrachium (Crustacea: Decapoda). Fisheries Research, 1996, 28, 343-351.	1.7	10
38	Environmental microbiology as a mosaic of explored ecosystems and issues. Environmental Science and Pollution Research, 2015, 22, 13577-13598.	5.3	10
39	Heterotrophic Bacteria Show Weak Competition for Nitrogen in Mediterranean Coastal Waters (Thau) Tj ETQq1 1 0.784314 rgBT /Overl	2.8	10
40	Influence of nitrogen enrichment on size-fractionated in vitro carboxylase activities of phytoplankton from Thau Lagoon (Coastal Mediterranean Lagoon, France). Journal of Experimental Marine Biology and Ecology, 2002, 275, 147-171.	1.5	9
41	Impacts of chemical contamination on bacterio-phytoplankton coupling. Chemosphere, 2020, 257, 127165.	8.2	9
42	A new kinetics model to predict the growth of micro-algae subjected to fluctuating availability of light. Algal Research, 2021, 58, 102362.	4.6	9
43	Assessment of bacterial dependence on marine primary production along a northern latitudinal gradient. FEMS Microbiology Ecology, 2018, 94, .	2.7	7
44	Effects of some operational factors on Macrobrachium (Decapoda, Palaemonidae) sampling using small `wickertraps'. Fisheries Research, 1998, 34, 87-92.	1.7	6
45	Geochemistry of an endorheic thalassohaline ecosystem: the Dziani Dzaha crater lake (Mayotte) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.2	6
46	Size-fractionated phytoplankton carboxylase activities in the Indian sector of the Southern Ocean. Journal of Plankton Research, 2000, 22, 1185-1201.	1.8	5
47	Short-term responses of unicellular planktonic eukaryotes to increases in temperature and UVB radiation. BMC Microbiology, 2012, 12, 202.	3.3	5
48	Significant Change in Marine Plankton Structure and Carbon Production After the Addition of River Water in a Mesocosm Experiment. Microbial Ecology, 2017, 74, 289-301.	2.8	5
49	Size-fractionated Carboxylase Activities During a 32 h Cycle at 30 m Depth in the North-western Mediterranean Sea After an Episodic Wind Event. Journal of Plankton Research, 2001, 23, 623-632.	1.8	4
50	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. Journal of Experimental Marine Biology and Ecology, 2007, 351, 211-225.	1.5	4
51	Simulation Method Linking Dense Microalgal Culture Spectral Properties in the 400â€“750â€‰nm Range to the Physiology of the Cells. Applied Spectroscopy, 2016, 70, 1018-1033.	2.2	3
52	Interspecific differences in the effect of fish on marine microbial plankton. Aquatic Microbial Ecology, 2019, 82, 289-298.	1.8	3
53	Annual Variations in CO2 Assimilation and Primary Production Measurements in a Mediterranean Lagoon (Thau Lagoon, France). , 1995, , 4765-4768.		1
54	About frame estimation of growth functions and robust prediction in bioprocess modeling. Journal of Process Control, 2020, 85, 121-135.	3.3	0

#	Article	IF	Citations
55	Fish, Algae, and Oysters: The Winning Trio in Aquaculture. Frontiers for Young Minds, 0, 7, .	0.8	0