Natascia Biondi

List of Publications by Year
in descending order

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38 papers	5,056 citations	279487 23 h-index	315357 38 g-index
41 all docs	41 docs citations	41 times ranked	5638 citing authors

#	Article	IF	Citations
1	Life Cycle Assessment of Total Fatty Acid (TFA) Production from Microalgae Nannochloropsis oceanica at Different Sites and Under Different Sustainability Scenarios. Bioenergy Research, 2022, 15, 1595-1615.	2.2	6
2	Protein, phycocyanin, and polysaccharide production by Arthrospira platensis grown with LED light in annular photobioreactors. Journal of Applied Phycology, 2022, 34, 1189-1199.	1.5	10
3	Effects of cyanobacterial-based biostimulants on plant growth and development: a case study on basil (Ocimum basilicum L.). Journal of Applied Phycology, 2022, 34, 2063-2073.	1.5	11
4	Tetraselmis suecica F&M-M33 phycosphere: associated bacteria and exo-metabolome characterization. European Journal of Phycology, 2021, 56, 61-71.	0.9	8
5	Vegetable oils protect phycocyanin from thermal degradation during cooking of spirulina-based â€œcrostiniâ€• LWT - Food Science and Technology, 2021, 138, 110776.	2.5	5
6	Plant Biostimulants from Cyanobacteria: An Emerging Strategy to Improve Yields and Sustainability in Agriculture. Plants, 2021, 10, 643.	1.6	49
7	Engineering Biocatalytic Solar Fuel Production: The PHOTOFUEL Consortium. Trends in Biotechnology, 2021, 39, 323-327.	4.9	17
8	A Comparative In Vitro Evaluation of the Anti-Inflammatory Effects of a Tisochrysis lutea Extract and Fucoxanthin. Marine Drugs, 2021, 19, 334.	2.2	15
9	Chemical composition and apparent digestibility of a panel of dried microalgae and cyanobacteria biomasses in rainbow trout (Oncorhynchus mykiss). Aquaculture, 2021, 544, 737075.	1.7	19
10	Effect of Arthrospira platensis (spirulina) incorporation on the rheological and bioactive properties of gluten-free fresh pasta. Algal Research, 2020, 45, 101743.	2.4	70
11	Algae and Bioguano as promising source of organic fertilizers. Journal of Applied Phycology, 2020, 32, 3971-3981.	1.5	10
12	Lactic Acid Fermentation of Arthrospira platensis (Spirulina) in a Vegetal Soybean Drink for Developing New Functional Lactose-Free Beverages. Frontiers in Microbiology, 2020, 11, 560684.	1.5	32
13	Bioglea as a Source of Bioactive Ingredients: Chemical and Biological Evaluation. Cosmetics, 2020, 7, 81.	1.5	3
14	Microalgae of interest as food source: Biochemical composition and digestibility. Algal Research, 2019, 42, 101617.	2.4	200
15	Analysis of microbiota in cultures of the green microalga Tetraselmis suecica. European Journal of Phycology, 2019, 54, 497-508.	0.9	15
16	Development of new microalgae-based sourdough â€œcrostiniâ€• functional effects of Arthrospira platensis (spirulina) addition. Scientific Reports, 2019, 9, 19433.	1.6	56
17	Microalgae as Functional Ingredients in Savory Food Products: Application to Wheat Crackers. Foods, 2019, 8, 611.	1.9	86
18	Lactic acid fermentation of Arthrospira platensis (spirulina) biomass for probiotic-based products. Journal of Applied Phycology, 2019, 31, 1077-1083.	1.5	61

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19	Tetraselmis suecica F&Mâ€M33 growth is influenced by its associated bacteria. Microbial Biotechnology, 2018, 11, 211-223.	2.0	17
20	Preliminary data on the dietary safety, tolerability and effects on lipid metabolism of the marine microalga Tisochrysis lutea. Algal Research, 2018, 34, 244-249.	2.4	17
21	Oil and eicosapentaenoic acid production by the diatom Phaeodactylum tricornutum cultivated outdoors in Green Wall Panel (GWPÂ®) reactors. Biotechnology and Bioengineering, 2017, 114, 2204-2210.	1.7	48
22	Safety evaluations and lipid-lowering activity of an Arthrospira platensis enriched diet: A 1-month study in rats. Food Research International, 2017, 102, 380-386.	2.9	26
23	The bacterial community associated with Tetraselmis suecica outdoor mass cultures. Journal of Applied Phycology, 2017, 29, 67-78.	1.5	27
24	In vitro toxicity of microalgal and cyanobacterial strains of interest as food source. Journal of Applied Phycology, 2017, 29, 199-209.	1.5	28
25	Microalgae biomass as an alternative ingredient in cookies: Sensory, physical and chemical properties, antioxidant activity and in vitro digestibility. Algal Research, 2017, 26, 161-171.	2.4	226
26	Techno-economic analysis of microalgal biomass production in a 1-ha Green Wall Panel (GWPÂ®) plant. Algal Research, 2016, 19, 253-263.	2.4	199
27	Energy balance of algal biomass production in a 1-ha â€œGreen Wall Panelâ€•plant: How to produce algal biomass in a closed reactor achieving a high Net Energy Ratio. Applied Energy, 2015, 154, 1103-1111.	5.1	121
28	Thermal mud maturation: organic matter and biological activity. International Journal of Cosmetic Science, 2015, 37, 339-347.	1.2	30
29	Growth, photosynthetic efficiency, and biochemical composition of Tetraselmis suecica F&Mâ€M33 grown with LEDs of different colors. Biotechnology and Bioengineering, 2014, 111, 956-964.	1.7	90
30	Chlorella for protein and biofuels: from strain selection to outdoor cultivation in a Green Wall Panel photobioreactor. Biotechnology for Biofuels, 2014, 7, 84.	6.2	166
31	Photobioreactors for Microalgal Biofuel Production. , 2013, , 115-131.		32
32	Nannochloropsis sp. F&Mâ€M24: Oil production, effect of mixing on productivity and growth in an industrial wastewater. Environmental Progress and Sustainable Energy, 2013, 32, 846-853.	1.3	37
33	Microalgae for oil: Strain selection, induction of lipid synthesis and outdoor mass cultivation in a lowâ€cost photobioreactor. Biotechnology and Bioengineering, 2009, 102, 100-112.	1.7	2,628
34	Cyanobacteria from benthic mats of Antarctic lakes as a source of new bioactivities. Journal of Applied Microbiology, 2008, 105, 105-115.	1.4	54
35	Productivity and photosynthetic efficiency of outdoor cultures of Tetraselmis suecica in annular columns. Aquaculture, 2006, 261, 932-943.	1.7	189
36	Sporadic amyotrophic lateral sclerosis as an infectious disease: A possible role of cyanobacteria?. Medical Hypotheses, 2006, 67, 1363-1371.	0.8	20

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37	POLYPHASIC STUDY OF ANTARCTIC CYANOBACTERIAL STRAINS1. Journal of Phycology, 2006, 42, 1257-1270.	1.0	195
38	Evaluation of Nostoc Strain ATCC 53789 as a Potential Source of Natural Pesticides. Applied and Environmental Microbiology, 2004, 70, 3313-3320.	1.4	92