

Liliana Rodolfi

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

4,409
citations

394421

19
h-index

454955

30
g-index

30
all docs

30
docs citations

30
times ranked

4890
citing authors

#	ARTICLE	IF	CITATIONS
1	Microalgae for oil: Strain selection, induction of lipid synthesis and outdoor mass cultivation in a low-cost photobioreactor. <i>Biotechnology and Bioengineering</i> , 2009, 102, 100-112.	3.3	2,628
2	Microalgae biomass as an alternative ingredient in cookies: Sensory, physical and chemical properties, antioxidant activity and in vitro digestibility. <i>Algal Research</i> , 2017, 26, 161-171.	4.6	226
3	Oil production by the marine microalgae <i>Nannochloropsis</i> sp. F&M-M24 and <i>Tetraselmis suecica</i> F&M-M33. <i>Bioresource Technology</i> , 2012, 114, 567-572.	9.6	206
4	Microalgae of interest as food source: Biochemical composition and digestibility. <i>Algal Research</i> , 2019, 42, 101617.	4.6	200
5	Techno-economic analysis of microalgal biomass production in a 1-ha Green Wall Panel (GWP [®]) plant. <i>Algal Research</i> , 2016, 19, 253-263.	4.6	199
6	<i>Chlorella</i> for protein and biofuels: from strain selection to outdoor cultivation in a Green Wall Panel photobioreactor. <i>Biotechnology for Biofuels</i> , 2014, 7, 84.	6.2	166
7	Growth, photosynthetic efficiency, and biochemical composition of <i>Tetraselmis suecica</i> F&M-M33 grown with LEDs of different colors. <i>Biotechnology and Bioengineering</i> , 2014, 111, 956-964.	3.3	90
8	Microalgae as Functional Ingredients in Savory Food Products: Application to Wheat Crackers. <i>Foods</i> , 2019, 8, 611.	4.3	86
9	Effect of <i>Arthrospira platensis</i> (spirulina) incorporation on the rheological and bioactive properties of gluten-free fresh pasta. <i>Algal Research</i> , 2020, 45, 101743.	4.6	70
10	Lactic acid fermentation of <i>Arthrospira platensis</i> (spirulina) biomass for probiotic-based products. <i>Journal of Applied Phycology</i> , 2019, 31, 1077-1083.	2.8	61
11	Experimental and numerical investigations of mixing in raceway ponds for algae cultivation. <i>Biomass and Bioenergy</i> , 2014, 67, 390-400.	5.7	58
12	Development of new microalgae-based sourdough – functional effects of <i>Arthrospira platensis</i> (spirulina) addition. <i>Scientific Reports</i> , 2019, 9, 19433.	3.3	56
13	Plant Biostimulants from Cyanobacteria: An Emerging Strategy to Improve Yields and Sustainability in Agriculture. <i>Plants</i> , 2021, 10, 643.	3.5	49
14	Oil and eicosapentaenoic acid production by the diatom <i>Phaeodactylum tricorutum</i> cultivated outdoors in Green Wall Panel (GWP [®]) reactors. <i>Biotechnology and Bioengineering</i> , 2017, 114, 2204-2210.	3.3	48
15	Microbes: Food for the Future. <i>Foods</i> , 2021, 10, 971.	4.3	40
16	Lactic Acid Fermentation of <i>Arthrospira platensis</i> (Spirulina) in a Vegetal Soybean Drink for Developing New Functional Lactose-Free Beverages. <i>Frontiers in Microbiology</i> , 2020, 11, 560684.	3.5	32
17	In vitro toxicity of microalgal and cyanobacterial strains of interest as food source. <i>Journal of Applied Phycology</i> , 2017, 29, 199-209.	2.8	28
18	The bacterial community associated with <i>Tetraselmis suecica</i> outdoor mass cultures. <i>Journal of Applied Phycology</i> , 2017, 29, 67-78.	2.8	27

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19	Safety evaluations and lipid-lowering activity of an <i>Arthrospira platensis</i> enriched diet: A 1-month study in rats. <i>Food Research International</i> , 2017, 102, 380-386.	6.2	26
20	<i>Tetraselmis suecica</i> F&M33 growth is influenced by its associated bacteria. <i>Microbial Biotechnology</i> , 2018, 11, 211-223.	4.2	17
21	Preliminary data on the dietary safety, tolerability and effects on lipid metabolism of the marine microalga <i>Tisochrysis lutea</i> . <i>Algal Research</i> , 2018, 34, 244-249.	4.6	17
22	A Comparative In Vitro Evaluation of the Anti-Inflammatory Effects of a <i>Tisochrysis lutea</i> Extract and Fucoxanthin. <i>Marine Drugs</i> , 2021, 19, 334.	4.6	15
23	Effects of cyanobacterial-based biostimulants on plant growth and development: a case study on basil (<i>Ocimum basilicum</i> L.). <i>Journal of Applied Phycology</i> , 2022, 34, 2063-2073.	2.8	11
24	Algae and Bioguano as promising source of organic fertilizers. <i>Journal of Applied Phycology</i> , 2020, 32, 3971-3981.	2.8	10
25	Protein, phycocyanin, and polysaccharide production by <i>Arthrospira platensis</i> grown with LED light in annular photobioreactors. <i>Journal of Applied Phycology</i> , 2022, 34, 1189-1199.	2.8	10
26	Lipids from algal biomass provide new (nonlamellar) nanovectors with high carrier potentiality for natural antioxidants. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021, 158, 410-416.	4.3	9
27	Effects of <i>Arthrospira platensis</i> Extract on Physiology and Berry Traits in <i>Vitis vinifera</i> . <i>Plants</i> , 2020, 9, 1805.	3.5	8
28	Cell wall and organelle modifications during nitrogen starvation in <i>Nannochloropsis oceanica</i> F&M-M24. <i>Journal of Applied Phycology</i> , 2021, 33, 2069-2080.	2.8	7
29	Vegetable oils protect phycocyanin from thermal degradation during cooking of spirulina-based "crostini". <i>LWT - Food Science and Technology</i> , 2021, 138, 110776.	5.2	5
30	Iron Speciation and Iron Binding Proteins in <i>Arthrospira platensis</i> Grown in Media Containing Different Iron Concentrations. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6283.	4.1	4