

Mario R Tredici

List of Publications by Year in descending order

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39
papers

6,018
citations

218381

26
h-index

329751

37
g-index

42
all docs

42
docs citations

42
times ranked

5710
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.	1.7	2,628
2	Photobiology of microalgae mass cultures: understanding the tools for the next green revolution. <i>Biofuels</i> , 2010, 1, 143-162.	1.4	343
3	Efficiency of sunlight utilization: Tubular versus flat photobioreactors. , 1998, 57, 187-197.		264
4	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.	2.4	226
5	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.	4.8	206
6	Microalgae of interest as food source: Biochemical composition and digestibility. <i>Algal Research</i> , 2019, 42, 101617.	2.4	200
7	Techno-economic analysis of microalgal biomass production in a 1-ha Green Wall Panel (GWPÂ®) plant. <i>Algal Research</i> , 2016, 19, 253-263.	2.4	199
8	Productivity and photosynthetic efficiency of outdoor cultures of <i>Tetraselmis suecica</i> in annular columns. <i>Aquaculture</i> , 2006, 261, 932-943.	1.7	189
9	Review of energy balance in raceway ponds for microalgae cultivation: Re-thinking a traditional system is possible. <i>Applied Energy</i> , 2013, 102, 101-111.	5.1	175
10	Chlorella 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
11	Growth medium recycling in <i>Nannochloropsis</i> sp. mass cultivation. <i>New Biotechnology</i> , 2003, 20, 243-248.	2.7	141
12	Title is missing!. <i>Journal of Applied Phycology</i> , 2000, 12, 493-498.	1.5	110
13	As integrated culture system for outdoor production of microalgae and cyanobacteria. <i>Journal of Applied Phycology</i> , 1997, 9, 113-119.	1.5	91
14	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.	1.7	90
15	Microalgae as Functional Ingredients in Savory Food Products: Application to Wheat Crackers. <i>Foods</i> , 2019, 8, 611.	1.9	86
16	Title is missing!. <i>Journal of Applied Phycology</i> , 2000, 12, 521-526.	1.5	76
17	Mass cultivation of <i>Nannochloropsis</i> sp. in annular reactors. <i>Journal of Applied Phycology</i> , 2003, 15, 107-114.	1.5	70
18	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.	2.4	70

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19	Lactic acid fermentation of <i>Arthrospira platensis</i> (spirulina) biomass for probiotic-based products. <i>Journal of Applied Phycology</i> , 2019, 31, 1077-1083.	1.5	61
20	Experimental and numerical investigations of mixing in raceway ponds for algae cultivation. <i>Biomass and Bioenergy</i> , 2014, 67, 390-400.	2.9	58
21	Development of new microalgae-based sourdough "œcrostini" functional effects of <i>Arthrospira platensis</i> (spirulina) addition. <i>Scientific Reports</i> , 2019, 9, 19433.	1.6	56
22	Plant Biostimulants from Cyanobacteria: An Emerging Strategy to Improve Yields and Sustainability in Agriculture. <i>Plants</i> , 2021, 10, 643.	1.6	49
23	Determination of fucoxanthin isomers in microalgae (<i>Isochrysis</i> sp.) by high-performance liquid chromatography coupled with diode-array detector multistage mass spectrometry coupled with positive electrospray ionization. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 1027-1035.	0.7	48
24	Oil and eicosapentaenoic acid production by the diatom <i>Phaeodactylum tricornutum</i> cultivated outdoors in Green Wall Panel (GWP [®]) reactors. <i>Biotechnology and Bioengineering</i> , 2017, 114, 2204-2210.	1.7	48
25	Microbes: Food for the Future. <i>Foods</i> , 2021, 10, 971.	1.9	40
26	<i>Nannochloropsis</i> sp. F&M24: Oil production, effect of mixing on productivity and growth in an industrial wastewater. <i>Environmental Progress and Sustainable Energy</i> , 2013, 32, 846-853.	1.3	37
27	Photobioreactors for Microalgal Biofuel Production. , 2013, , 115-131.		32
28	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.	1.5	32
29	The bacterial community associated with <i>Tetraselmis suecica</i> outdoor mass cultures. <i>Journal of Applied Phycology</i> , 2017, 29, 67-78.	1.5	27
30	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.	2.9	26
31	<i>Tetraselmis suecica</i> F&M33 growth is influenced by its associated bacteria. <i>Microbial Biotechnology</i> , 2018, 11, 211-223.	2.0	17
32	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.	2.4	17
33	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.	2.2	15
34	Algae and Bioguanos as promising source of organic fertilizers. <i>Journal of Applied Phycology</i> , 2020, 32, 3971-3981.	1.5	10
35	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.	1.5	10
36	Effects of <i>Arthrospira platensis</i> Extract on Physiology and Berry Traits in <i>Vitis vinifera</i> . <i>Plants</i> , 2020, 9, 1805.	1.6	8

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37	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.	1.5	7
38	Vegetable oils protect phycocyanin from thermal degradation during cooking of spirulina-based "crostini". <i>LWT - Food Science and Technology</i> , 2021, 138, 110776.	2.5	5
39	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.	1.8	4