

GaÃ«l Bougaran

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,345
citations

394421

19
h-index

552781

26
g-index

27
all docs

27
docs citations

27
times ranked

2151
citing authors

#	ARTICLE	IF	CITATIONS
1	The use of fluorescent Nile red and BODIPY for lipid measurement in microalgae. <i>Biotechnology for Biofuels</i> , 2015, 8, 42.	6.2	280
2	The Potential of Microalgae for the Production of Bioactive Molecules of Pharmaceutical Interest. <i>Current Pharmaceutical Biotechnology</i> , 2012, 13, 2733-2750.	1.6	201
3	Modeling continuous cultures of microalgae colimited by nitrogen and phosphorus. <i>Journal of Theoretical Biology</i> , 2010, 265, 443-454.	1.7	93
4	A new photobioreactor for continuous microalgal production in hatcheries based on external loop airlift and swirling flow. <i>Biotechnology and Bioengineering</i> , 2009, 102, 132-147.	3.3	76
5	Enhancement of neutral lipid productivity in the microalga <i>Isochrysis affinis Galbana</i> (T-iso) by a mutation selection procedure. <i>Biotechnology and Bioengineering</i> , 2012, 109, 2737-2745.	3.3	60
6	Effects of blue light on the biochemical composition and photosynthetic activity of <i>Isochrysis</i> sp. (T-iso). <i>Journal of Applied Phycology</i> , 2013, 25, 109-119.	2.8	58
7	Response of CO ₂ -starved diatom <i>Phaeodactylum tricornutum</i> to light intensity transition. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160396.	4.0	53
8	Comparative Transcriptome of Wild Type and Selected Strains of the Microalgae <i>Tisochrysis lutea</i> Provides Insights into the Genetic Basis, Lipid Metabolism and the Life Cycle. <i>PLoS ONE</i> , 2014, 9, e86889.	2.5	52
9	Transcription factors in microalgae: genome-wide prediction and comparative analysis. <i>BMC Genomics</i> , 2016, 17, 282.	2.8	52
10	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
11	Effects of light and nitrogen availability on photosynthetic efficiency and fatty acid content of three original benthic diatom strains. <i>PLoS ONE</i> , 2019, 14, e0224701.	2.5	44
12	Betaine lipid and neutral lipid production under nitrogen or phosphorus limitation in the marine microalga <i>Tisochrysis lutea</i> (Haptophyta). <i>Algal Research</i> , 2019, 40, 101506.	4.6	40
13	Effects of growth phase and nitrogen limitation on biochemical composition of two strains of <i>Tisochrysis lutea</i> . <i>Algal Research</i> , 2017, 27, 177-189.	4.6	38
14	Nitrogen and phosphorus limitations induce carbon partitioning and membrane lipid remodelling in the marine diatom <i>Phaeodactylum tricornutum</i> . <i>European Journal of Phycology</i> , 2019, 54, 342-358.	2.0	31
15	Getting the most out of it: Optimal experiments for parameter estimation of microalgae growth models. <i>Journal of Process Control</i> , 2014, 24, 991-1001.	3.3	27
16	Use of a lipid rich strain reveals mechanisms of nitrogen limitation and carbon partitioning in the haptophyte <i>Tisochrysis lutea</i> . <i>Algal Research</i> , 2016, 20, 229-248.	4.6	25
17	Carbon Orientation in the Diatom <i>Phaeodactylum tricornutum</i> : The Effects of Carbon Limitation and Photon Flux Density. <i>Frontiers in Plant Science</i> , 2019, 10, 471.	3.6	25
18	Continuous selection pressure to improve temperature acclimation of <i>Tisochrysis lutea</i> . <i>PLoS ONE</i> , 2017, 12, e0183547.	2.5	24

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19	Draft genomes and phenotypic characterization of <i>Tisochrysis lutea</i> strains. Toward the production of domesticated strains with high added value. <i>Algal Research</i> , 2018, 29, 1-11.	4.6	22
20	Effects of Nitrogen Limitation on <i>Dunaliella</i> sp. and <i>Alteromonas</i> sp. Interactions: From Mutualistic to Competitive Relationships. <i>Frontiers in Marine Science</i> , 2016, 3, .	2.5	19
21	Identification of transcription factors involved in the phenotype of a domesticated oleaginous microalgae strain of <i>Tisochrysis lutea</i> . <i>Algal Research</i> , 2018, 30, 59-72.	4.6	19
22	High-affinity nitrate/nitrite transporter genes (<i>Nrt2</i>) in <i>Tisochrysis lutea</i> : identification and expression analyses reveal some interesting specificities of Haptophyta microalgae. <i>Physiologia Plantarum</i> , 2015, 154, 572-590.	5.2	18
23	The combined effects of blue light and dilution rate on lipid class and fatty acid composition of <i>Tisochrysis lutea</i> . <i>Journal of Applied Phycology</i> , 2018, 30, 1483-1494.	2.8	16
24	Carbon Partitioning and Lipid Remodeling During Phosphorus and Nitrogen Starvation in the Marine Microalga <i>Diatrypa lutheri</i> (Haptophyta). <i>Journal of Phycology</i> , 2020, 56, 908-922.	2.3	13
25	Combined Effects of Temperature, Irradiance, and pH on <i>Teleaulax amphioxeia</i> (Cryptophyceae) Physiology and Feeding Ratio For Its Predator <i>Mesodinium rubrum</i> (Ciliophora). <i>Journal of Phycology</i> , 2020, 56, 775-783.	2.3	8
26	Deuterium in marine organic biomarkers: toward a new tool for quantifying aquatic mixotrophy. <i>New Phytologist</i> , 2022, 234, 776-782.	7.3	4