Emilio Molina Grima

List of Publications by Year
in descending order

24 papers	1,599 citations	471061 17 h-index	610482 24 g-index
24 all docs	24 docs citations	24 times ranked	2021 citing authors

#	Article	IF	Citations
1	Biocatalysis: Towards ever greener biodiesel production. Biotechnology Advances, 2009, 27, 398-408.	6.0	376
2	A mechanistic model of photosynthesis in microalgae. Biotechnology and Bioengineering, 2003, 81, 459-473.	1.7	214
3	Biomass and lutein productivity of Scenedesmus almeriensis: influence of irradiance, dilution rate and temperature. Applied Microbiology and Biotechnology, 2008, 79, 719-729.	1.7	204
4	Microalgae research worldwide. Algal Research, 2018, 35, 50-60.	2.4	150
5	Outdoor helical tubular photobioreactors for microalgal production: Modeling of fluid-dynamics and mass transfer and assessment of biomass productivity. Biotechnology and Bioengineering, 2003, 82, 62-73.	1.7	127
6	Production of astaxanthin by Haematococcus pluvialis: Taking the oneâ€step system outdoors. Biotechnology and Bioengineering, 2009, 102, 651-657.	1.7	101
7	Outdoor production of Phaeodactylum tricornutum biomass in a helical reactor. Journal of Biotechnology, 2003, 103, 137-152.	1.9	87
8	Production of biodiesel from vegetable oil and microalgae by fatty acid extraction and enzymatic esterification. Journal of Bioscience and Bioengineering, 2015, 119, 706-711.	1.1	41
9	Simultaneous Effect of Temperature and Irradiance on Growth and Okadaic Acid Production from the Marine Dinoflagellate Prorocentrum belizeanum. Toxins, 2014, 6, 229-253.	1.5	35
10	Cost-effective production of 13C, 15N stable isotope-labelled biomass from phototrophic microalgae for various biotechnological applications. New Biotechnology, 2005, 22, 193-200.	2.7	30
11	Utilization of centrate for the outdoor production of marine microalgae at the pilot-scale in raceway photobioreactors. Journal of Environmental Management, 2018, 228, 506-516.	3.8	29
12	Characterization of bubble column photobioreactors for shear-sensitive microalgae culture. Bioresource Technology, 2019, 275, 1-9.	4.8	29
13	Cultivation and anaerobic digestion of Scenedesmus spp. grown in a pilot-scale open raceway. Algal Research, 2014, 5, 95-102.	2.4	27
14	Utilization of centrate from urban wastewater plants for the production of Scenedesmus sp. in a raceway-simulating reactor. Journal of Environmental Management, 2018, 211, 112-124.	3.8	20
15	Title is missing!. Journal of Applied Phycology, 2002, 14, 331-342.	1.5	19
16	Engineering strategies for the enhancement of Nannochloropsis gaditana outdoor production: Influence of the CO2 flow rate on the culture performance in tubular photobioreactors. Process Biochemistry, 2019, 76, 171-177.	1.8	18
17	New insights into developing antibiofouling surfaces for industrial photobioreactors. Biotechnology and Bioengineering, 2019, 116, 2212-2222.	1.7	17
18	Assessment of the production of 13C labeled compounds from phototrophic microalgae at laboratory scale. New Biotechnology, 2003, 20, 149-162.	2.7	15

#	Article	IF	Citations
19	Evaluation of native microalgae from Tunisia using the pulse-amplitude-modulation measurement of chlorophyll fluorescence and a performance study in semi-continuous mode for biofuel production. Biotechnology for Biofuels, 2019, 12, 119.	6.2	15
20	Assessment of multi-step processes for an integral use of the biomass of the marine microalga Amphidinium carterae. Bioresource Technology, 2019, 282, 370-377.	4.8	15
21	Longâ€term biofouling formation mediated by extracellular proteins in Nannochloropsis gaditana microalga cultures at different medium N/P ratios. Biotechnology and Bioengineering, 2021, 118, 1152-1165.	1.7	14
22	Assessment of a photobioreactor-coupled modified Robbins device to compare the adhesion of Nannochloropsis gaditana on different materials. Algal Research, 2019, 37, 277-287.	2.4	7
23	Adaptation of the Spodoptera exigua Se301 insect cell line to grow in serum-free suspended culture. Comparison of SeMNPV productivity in serum-free and serum-containing media. Applied Microbiology and Biotechnology, 2013, 97, 3373-3381.	1.7	5
24	Production of13C polyunsaturated fatty acids from the microalga Phaeodactylum tricornutum. Journal of Applied Phycology, 2003, 15, 229-237.	1.5	4