

# Andre Bellin Mariano

## List of Publications by Year in descending order

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76  
papers

797  
citations

623188

14  
h-index

552369

26  
g-index

77  
all docs

77  
docs citations

77  
times ranked

1069  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microalgae Culture Medium Recycling: Improved Production of Biomass and Lipids, Biodiesel Properties and Cost Reduction. <i>Bioenergy Research</i> , 2022, 15, 2076-2089.	2.2	5
2	Energy Recovery from Nuisance Algae Blooms and Residues. , 2022, , 329-345.		2
3	Changes in gene expression and biochemical composition of <i>Haematococcus pluvialis</i> grown under different light colors. <i>Journal of Applied Phycology</i> , 2022, 34, 729-743.	1.5	3
4	Microalgae-Derived Green Diesel. <i>Chemical Engineering and Technology</i> , 2022, 45, 890-897.	0.9	3
5	Estimativa das propriedades do biodiesel metálico produzido a partir da pupunha e aspectos biotecnológicos. <i>Revista Principia</i> , 2022, 59, 41.	0.1	0
6	Microalgae biofuels: Engineering-scale process integration approaches. , 2022, , 249-267.		0
7	Enhanced microalgae biomass and lipid output for increased biodiesel productivity. <i>Renewable Energy</i> , 2021, 163, 138-145.	4.3	26
8	Microalgae derived biomass and bioenergy production enhancement through biogas purification and wastewater treatment. <i>Renewable Energy</i> , 2021, 163, 1153-1165.	4.3	45
9	Extensão Tecnológica Inovadora para o combate ao COVID-19 através da Iniciativa Startup Experience da UFPR. <i>Extensão Em Foco</i> , 2021, , .	0.0	0
10	A new approach on astaxanthin extraction via acid hydrolysis of wet <i>Haematococcus pluvialis</i> biomass. <i>Journal of Applied Phycology</i> , 2021, 33, 2957-2966.	1.5	9
11	Lumped intracellular dynamics: Mathematical modeling of the microalgae <i>Tetrademus obliquus</i> cultivation under mixotrophic conditions with glycerol. <i>Algal Research</i> , 2021, 57, 102344.	2.4	3
12	A sustainable alkaline membrane fuel cell (SAMFC) stack characterization, model validation and optimal operation. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 5723-5733.	3.8	4
13	Phenomenological modeling of <i>Acutodesmus obliquus</i> microalgae in situ transesterification. <i>Biochemical Engineering Journal</i> , 2020, 154, 107434.	1.8	5
14	Production of methyl oleate by direct addition of fermented solid <i>Penicillium sumatrense</i> and <i>Aspergillus fumigatus</i> . <i>Renewable Energy</i> , 2020, 162, 1132-1139.	4.3	4
15	THE EFFECT OF TEMPERATURE IN <i>TETRADESMUS OBLIQUUS</i> . <i>Revista De Engenharia Técnica</i> , 2020, 19, 03.	0.0	0
16	Experimental validation of hindered settling models and flux theory applied in continuous flow process for harvesting <i>Acutodesmus obliquus</i> . <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 1903-1912.	0.9	4
17	Diets containing residual microalgae biomass protect fishes against oxidative stress and DNA damage. <i>Journal of Applied Phycology</i> , 2019, 31, 2933-2940.	1.5	6
18	Modeling, simulation, and optimization of a microalgae biomass drying process. <i>International Journal of Energy Research</i> , 2019, 43, 3421-3435.	2.2	6

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19	Microalgae mixotrophic cultivation for Î²-galactosidase production. Journal of Applied Phycology, 2019, 31, 1597-1606.	1.5	24
20	Influence of thermally modified clays and inexpensive pore-generating and strength improving agents on the properties of porous ceramic membrane. Applied Clay Science, 2019, 168, 260-268.	2.6	17
21	Clean Energy From Municipal Solid Waste (MSW). , 2019, , .		1
22	Fabrication and characterization of low cost ceramic membranes for microfiltration of <i>Acutodesmus obliquus</i> using modified clays. Revista Materia, 2019, 24, .	0.1	1
23	Experimental Calibration of a Biohydrogen Production Estimation Model. Journal of Verification, Validation and Uncertainty Quantification, 2019, 4, .	0.3	0
24	A Hybrid Absorption System With Generator Level Optical Control and Variable Flow Rate. , 2019, , .		0
25	Hydrogen and Compounds With Biological Activity From Microalgae. , 2019, , .		0
26	Green Diesel From Microalgae. , 2019, , .		2
27	Extraction of <i>Acutodesmus obliquus</i> lipids using a mixture of ethanol and hexane as solvent. Biomass and Bioenergy, 2018, 108, 470-478.	2.9	43
28	A genset and mini-photobioreactor association for CO2 capturing, enhanced microalgae growth and multigeneration. Renewable Energy, 2018, 125, 985-994.	4.3	10
29	Modeling and Simulation of a Solid Waste Incineration Sustainable Energy System. , 2018, , .		0
30	Environmental evaluation of flocculation efficiency in the separation of the microalgal biomass of <i>Scenedesmus sp.</i> cultivated in full-scale photobioreactors. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2018, 53, 938-945.	0.9	9
31	Experimental Calibration of a Biohydrogen Production Estimation Model. , 2018, , .		0
32	Aplicação de modelos de sedimentação em batelada para sistema de floculação-sedimentação de microalgas <i>Acutodesmus obliquus</i> . , 2018, , .		0
33	The experimental validation of a large-scale compact tubular microalgae photobioreactor model. International Journal of Energy Research, 2017, 41, 2221-2235.	2.2	10
34	Enhanced biohydrogen production from microalgae by diesel engine hazardous emissions fixation. International Journal of Hydrogen Energy, 2017, 42, 21463-21475.	3.8	29
35	Optimization of flocculation with tannin-based flocculant in the water reuse and lipidic production for the cultivation of <i>Acutodesmus obliquus</i> . Separation Science and Technology, 2017, 52, 936-942.	1.3	16
36	Environmental study of producing microalgal biomass and bioremediation of cattle manure effluents by microalgae cultivation. Clean Technologies and Environmental Policy, 2017, 19, 1745-1759.	2.1	18

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37	Sustainable maximum power extraction from urban solid waste incineration. , 2017, , .		2
38	Thermal treatment of clay-based ceramic membranes for microfiltration of <i>Acutodesmus obliquus</i> . Applied Clay Science, 2017, 150, 217-224.	2.6	25
39	MODELING AND SIMULATION OF A SHELL AND TUBE HEAT EXCHANGER USED FOR REDUCING FLUE GAS TEMPERATURE FOR MICROALGAE MITIGATION. , 2017, , .		0
40	Modeling a genseit emissions fixation column and microalgae growth enhancement in large scale photobioreactor. , 2017, , .		0
41	PHOTOBIOREACTOR INOCULATION WITH SWINE SEWAGE FOR MICROALGAE CULTIVATION. , 2017, , .		0
42	A flocculation strategy for harvesting high lipid content microalgae biomass. , 2016, , .		2
43	Sustainable energy via biodiesel production from autotrophic and mixotrophic growth of the microalga <i>Phaeodactylum tricornutum</i> in compact photobioreactors. , 2016, , .		2
44	Modeling microalgae derived hydrogen production enhancement via genetic modification. International Journal of Hydrogen Energy, 2016, 41, 8101-8110.	3.8	9
45	Maximum microalgae biomass harvesting via flocculation in large scale photobioreactor cultivation. Canadian Journal of Chemical Engineering, 2016, 94, 304-309.	0.9	27
46	Mass transfer modeling and maximization of hydrogen rhythmic production from genetically modified microalgae biomass. International Journal of Heat and Mass Transfer, 2016, 101, 1-9.	2.5	10
47	MICROALGAE BIOMASS LIPID EXTRACTION " AN ENERGY AND COST ANALYSIS APPROACH OF PROCESS. , 2016, , .		0
48	AVALIAÃO DA EFICIÃNCIA DE FLOCULAÃO E AMBIENTAL DA RECUPERAÃO DA BIOMASSA DE MICROALGAS CULTIVADAS EM FOTOBIOREACTORES COMPACTOS INDUSTRIAIS. Revista GestÃ£o & Sustentabilidade Ambiental, 2016, 5, 92.	0.1	1
49	Stationary compression ignition internal combustion engines (CHCE) CO <sub>2</sub> capturing via microalgae culture using a mini-photobioreactor. , 2015, , .		1
50	Effect of defatted microalgae ( <i>Scenedesmus obliquus</i> ) biomass inclusion on growth performance of <i>Rhamdia quelen</i> (Quoy & Gaimard, 1824). Journal of Applied Ichthyology, 2015, 31, 98-101.	0.3	9
51	Life cycle assessment of biomass production in microalgae compact photobioreactors. GCB Bioenergy, 2015, 7, 184-194.	2.5	48
52	A volume element model (VEM) for energy systems engineering. International Journal of Energy Research, 2015, 39, 46-74.	2.2	23
53	Production and characterization of an extracellular lipase from <i>Candida guilliermondii</i> . Brazilian Journal of Microbiology, 2014, 45, 1503-1511.	0.8	25
54	Mathematical model of the CO <sub>2</sub> solubilisation reaction rates developed for the study of photobioreactors. Canadian Journal of Chemical Engineering, 2014, 92, 787-795.	0.9	10

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55	The microalgae derived hydrogen process in compact photobioreactors. International Journal of Hydrogen Energy, 2014, 39, 9588-9598.	3.8	25
56	Modeling and simulation of the microalgae derived hydrogen process in compact photobioreactors. , 2013, , .		1
57	Production of methyl oleate with a lipase from an endophytic yeast isolated from castor leaves. Biocatalysis and Agricultural Biotechnology, 2012, 1, 295-300.	1.5	22
58	COMPARAÇÃO ENTRE TRÊS BIOPROCESSOS PARA A PRODUÇÃO DE ENZIMAS PROTEOLÍTICAS UTILIZANDO RESÍDUOS AGROINDUSTRIAIS. Revista Brasileira De Tecnologia Agroindustrial, 2012, 6, .	0.1	2
59	A review on microalgae, a versatile source for sustainable energy and materials. International Journal of Energy Research, 2011, 35, 291-311.	2.2	217
60	PHAEODACTYLUM TRICORNUTUM MICROALGAE GROWTH RATE IN HETEROTROPHIC AND MIXOTROPHIC CONDITIONS. Revista De Engenharia Química, 2009, 8, 84.	0.0	5
61	Functional characterization of mitochondria isolated from the ancient gymnosperm Araucaria angustifolia. Plant Science, 2008, 175, 701-705.	1.7	11
62	Sensitivities of the alternative respiratory components of potato tuber mitochondria to thiol reagents and Ca <sup>2+</sup> . Plant Physiology and Biochemistry, 2005, 43, 61-67.	2.8	7
63	Improved method for isolation of coupled mitochondria of Araucaria angustifolia (Bert.) O. Kuntze. Brazilian Archives of Biology and Technology, 2004, 47, 873-879.	0.5	4
64	Energy analysis of microalgae biomass recovered from industrial photobioreactor. , 0, , .		0
65	Production and energetic analysis of microalgae biodiesel through saponification process. , 0, , .		0
66	ELECTRICITY GENERATION USING HOT FLUE GAS FROM URBAN SOLID WASTE INCINERATION. , 0, , .		0
67	PRODUÇÃO DE OLEATO DE METILA CATALISADO POR SÓLIDO FERMENTADO CONTENDO LIPASES FÚNGICAS. , 0, , .		0
68	Avaliação de diferentes métodos de extração de óleo de microalgas para aplicação em biocombustíveis. , 0, , .		0
69	Modelagem matemática da produção de biomassa de microalgas a partir do tratamento emissões de um motor diesel. , 0, , .		0
70	MODELAGEM MATEMÁTICA DA SECAGEM DA BIOMASSA DE MICROALGAS. , 0, , .		0
71	COGENERATION: ELETRICITY AND MICROALGAE BIOMASS PRODUCTION.. , 0, , .		0
72	PRODUÇÃO DE BIOCOMBUSTÍVEIS ATRAVÉS DE SISTEMAS AUTOMATIZADOS DE CULTIVO CONTÍNUO DE MICROALGAS. , 0, , .		0

#	ARTICLE	IF	CITATIONS
73	Software para Simulação de Crescimento de Microalgas em Fotobiorreatores Tubulares. , 0, , .		1
74	QUANTIFICAÇÃO DE PROTEÍNA E CARBOIDRATOS TOTAIS NA MICROALGA Tetrademus obliquus CULTIVADA EM CONDIÇÕES MIXOTRÁFICAS. , 0, , .		0
75	Effects of Flocculant Concentration and Temperature on the Membrane Separation Process in Microalgae. Chemical Engineering and Technology, 0, , .	0.9	2
76	Electronic packaging cabinets simplified modeling, simulation, and experimental validation for systems engineering. Simulation, 0, , 003754972110699.	1.1	0