

Alberto J D Reis

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

1,783
citations

279798

23
h-index

276875

41
g-index

53
all docs

53
docs citations

53
times ranked

2029
citing authors

#	ARTICLE	IF	CITATIONS
1	Primary brewery wastewater as feedstock for the yeast <i>Rhodospordium toruloides</i> and the microalga <i>Tetrademus obliquus</i> mixed cultures with lipid production. <i>Process Biochemistry</i> , 2022, 113, 71-86.	3.7	8
2	<i>Rhodospordium toruloides</i> and <i>Tetrademus obliquus</i> Populations Dynamics in Symbiotic Cultures, Developed in Brewery Wastewater, for Lipid Production. <i>Current Microbiology</i> , 2022, 79, 40.	2.2	6
3	Impact of High-Pressure Homogenization on the Cell Integrity of <i>Tetrademus obliquus</i> and Seed Germination. <i>Molecules</i> , 2022, 27, 2275.	3.8	9
4	Biofuel recovery from microalgae biomass grown in dairy wastewater treated with activated sludge: The next step in sustainable production. <i>Science of the Total Environment</i> , 2022, 824, 153838.	8.0	24
5	Cascading <i>Cryptocodium cohnii</i> Biorefinery: Global Warming Potential and Techno-Economic Assessment. <i>Energies</i> , 2022, 15, 3784.	3.1	3
6	Low Indirect Land Use Change (ILUC) Energy Crops to Bioenergy and Biofuels – A Review. <i>Energies</i> , 2022, 15, 4348.	3.1	14
7	Impact of brewery wastewater inhibitors in pure and mixed cultures of the yeast <i>Rhodospordium toruloides</i> NCYC 921 and the microalga <i>Tetrademus obliquus</i> ACOI 204/07. <i>Biochemical Engineering Journal</i> , 2022, 185, 108518.	3.6	4
8	Lipid and Carotenoid Production by a <i>Rhodospordium toruloides</i> and <i>Tetrademus obliquus</i> Mixed Culture Using Primary Brewery Wastewater Supplemented with Sugarcane Molasses and Urea. <i>Applied Biochemistry and Biotechnology</i> , 2022, 194, 5556-5579.	2.9	2
9	Microalgae in a global world: New solutions for old problems?. <i>Renewable Energy</i> , 2021, 165, 842-862.	8.9	62
10	Microalgae Biomass Production for Biofuels in Brazilian Scenario: A Critical Review. <i>Bioenergy Research</i> , 2021, 14, 23-42.	3.9	25
11	The role of microalgae in the bioeconomy. <i>New Biotechnology</i> , 2021, 61, 99-107.	4.4	136
12	Evaluating low-cost substrates for <i>Cryptocodium cohnii</i> lipids and DHA production, by flow cytometry. <i>Journal of Applied Phycology</i> , 2021, 33, 263-274.	2.8	10
13	The Role of Heterotrophic Microalgae in Waste Conversion to Biofuels and Bioproducts. <i>Processes</i> , 2021, 9, 1090.	2.8	33
14	Raw Glycerol Based Medium for DHA and Lipids Production, Using the Marine Heterotrophic Microalga <i>Cryptocodium cohnii</i> . <i>Processes</i> , 2021, 9, 2005.	2.8	7
15	Complementarity of Substrates in Anaerobic Digestion of Wastewater Grown Algal Biomass. <i>Waste and Biomass Valorization</i> , 2020, 11, 5759-5770.	3.4	15
16	Using flow cytometry to monitor the stress response of yeast and microalgae populations in mixed cultures developed in brewery effluents. <i>Journal of Applied Phycology</i> , 2020, 32, 3687-3701.	2.8	10
17	Evaluation of the Potential of Biomass to Energy in Portugal – Conclusions from the CONVERTE Project. <i>Energies</i> , 2020, 13, 937.	3.1	20
18	Concomitant wastewater treatment with lipid and carotenoid production by the oleaginous yeast <i>Rhodospordium toruloides</i> grown on brewery effluent enriched with sugarcane molasses and urea. <i>Process Biochemistry</i> , 2020, 94, 1-14.	3.7	24

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19	Yeast and microalgal symbiotic cultures using low-cost substrates for lipid production. <i>Bioresource Technology Reports</i> , 2019, 7, 100261.	2.7	16
20	Process simulation and techno-economic assessment for direct production of advanced bioethanol using a genetically modified <i>Synechocystis</i> sp.. <i>Bioresource Technology Reports</i> , 2019, 6, 113-122.	2.7	28
21	The Dark Side of Microalgae Biotechnology: A Heterotrophic Biorefinery Platform Directed to ̑-3 Rich Lipid Production. <i>Microorganisms</i> , 2019, 7, 670.	3.6	64
22	Combining biotechnology with circular bioeconomy: From poultry, swine, cattle, brewery, dairy and urban wastewaters to bihydrogen. <i>Environmental Research</i> , 2018, 164, 32-38.	7.5	90
23	Microalgae-mediated brewery wastewater treatment: effect of dilution rate on nutrient removal rates, biomass biochemical composition, and cell physiology. <i>Journal of Applied Phycology</i> , 2018, 30, 1583-1595.	2.8	38
24	Energetic valorization of algal biomass in a hybrid anaerobic reactor. <i>Journal of Environmental Management</i> , 2018, 209, 308-315.	7.8	11
25	Evaluation of the ethanol tolerance for wild and mutant <i>Synechocystis</i> strains by flow cytometry. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2018, 17, 137-147.	4.4	21
26	Hydrothermal liquefaction of biomass produced from domestic sewage treatment in high-rate ponds. <i>Renewable Energy</i> , 2018, 118, 644-653.	8.9	51
27	Carob pulp syrup: A potential Mediterranean carbon source for carotenoids production by <i>Rhodospiridium toruloides</i> NCYC 921. <i>Bioresource Technology Reports</i> , 2018, 3, 177-184.	2.7	10
28	Effect of Furfural on <i>Saccharomyces carlsbergensis</i> Growth, Physiology and Ethanol Production. <i>Applied Biochemistry and Biotechnology</i> , 2017, 182, 708-720.	2.9	17
29	<i>Scenedesmus obliquus</i> mediated brewery wastewater remediation and CO ₂ biofixation for green energy purposes. <i>Journal of Cleaner Production</i> , 2017, 165, 1316-1327.	9.3	85
30	CO ₂ utilization in the production of biomass and biocompounds by three different microalgae. <i>Engineering in Life Sciences</i> , 2017, 17, 1126-1135.	3.6	19
31	Using Flow Cytometry to Evaluate the Stress Physiological Response of the Yeast <i>Saccharomyces carlsbergensis</i> ATCC 6269 to the Presence of 5-Hydroxymethylfurfural During Ethanol Fermentations. <i>Applied Biochemistry and Biotechnology</i> , 2017, 181, 1096-1107.	2.9	9
32	Effect of Medium pH on <i>Rhodospiridium toruloides</i> NCYC 921 Carotenoid and Lipid Production Evaluated by Flow Cytometry. <i>Applied Biochemistry and Biotechnology</i> , 2016, 179, 776-787.	2.9	35
33	New dual-stage pH control fed-batch cultivation strategy for the improvement of lipids and carotenoids production by the red yeast <i>Rhodospiridium toruloides</i> NCYC 921. <i>Bioresource Technology</i> , 2015, 189, 309-318.	9.6	63
34	New at-line flow cytometric protocols for determining carotenoid content and cell viability during <i>Rhodospiridium toruloides</i> NCYC 921 batch growth. <i>Process Biochemistry</i> , 2014, 49, 554-562.	3.7	33
35	Selecting low-cost carbon sources for carotenoid and lipid production by the pink yeast <i>Rhodospiridium toruloides</i> NCYC 921 using flow cytometry. <i>Bioresource Technology</i> , 2014, 158, 355-359.	9.6	59
36	Microalgal symbiosis in biotechnology. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 5839-5846.	3.6	62

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37	Integrated microbial processes for biofuels and high value-added products: the way to improve the cost effectiveness of biofuel production. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 1043-1053.	3.6	95
38	Use of Multi-parameter Flow Cytometry as Tool to Monitor the Impact of Formic Acid on <i>Saccharomyces carlsbergensis</i> Batch Ethanol Fermentations. <i>Applied Biochemistry and Biotechnology</i> , 2013, 169, 2038-2048.	2.9	13
39	Assessment of β -carotene content, cell physiology and morphology of the yellow yeast <i>Rhodotorula glutinis</i> mutant 400A15 using flow cytometry. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2013, 40, 865-875.	3.0	16
40	Effect of Acetic Acid on <i>Saccharomyces Carlsbergensis</i> ATCC 6269 Batch Ethanol Production Monitored by Flow Cytometry. <i>Applied Biochemistry and Biotechnology</i> , 2012, 168, 1501-1515.	2.9	12
41	Applications and perspectives of multi-parameter flow cytometry to microbial biofuels production processes. <i>Trends in Biotechnology</i> , 2012, 30, 225-232.	9.3	43
42	Monitoring <i>Rhodospiridium toruloides</i> NCYC 921 batch fermentations growing under carbon and nitrogen limitation by flow cytometry. <i>World Journal of Microbiology and Biotechnology</i> , 2012, 28, 1175-1184.	3.6	14
43	Monitoring <i>Rhodotorula glutinis</i> CCMI 145 physiological response and oil production growing on xylose and glucose using multi-parameter flow cytometry. <i>Bioresource Technology</i> , 2011, 102, 2998-3006.	9.6	23
44	Using Multi-parameter Flow Cytometry to Monitor the Yeast <i>Rhodotorula glutinis</i> CCMI 145 Batch Growth and Oil Production Towards Biodiesel. <i>Applied Biochemistry and Biotechnology</i> , 2010, 162, 2166-2176.	2.9	19
45	<i>Neochloris oleabundans</i> UTEX #1185: a suitable renewable lipid source for biofuel production. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2009, 36, 821-826.	3.0	202
46	The use of multi-parameter flow cytometry to study the impact of n-dodecane additions to marine dinoflagellate microalga <i>Cryptocodinium cohnii</i> batch fermentations and DHA production. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2008, 35, 875-887.	3.0	30
47	Study of docosahexaenoic acid production by the heterotrophic microalga <i>Cryptocodinium cohnii</i> CCMP 316 using carob pulp as a promising carbon source. <i>World Journal of Microbiology and Biotechnology</i> , 2007, 23, 1209-1215.	3.6	48
48	Effect of n-dodecane on <i>Cryptocodinium cohnii</i> fermentations and DHA production. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2006, 33, 408-416.	3.0	61
49	Stress-induced physiological responses to starvation periods as well as glucose and lactose pulses in <i>Bacillus licheniformis</i> CCMI 1034 continuous aerobic fermentation processes as measured by multi-parameter flow cytometry. <i>Biochemical Engineering Journal</i> , 2005, 24, 31-41.	3.6	28
50	The use of multi-parameter flow cytometry to study the impact of limiting substrate, agitation intensity, and dilution rate on cell aggregation during <i>Bacillus licheniformis</i> CCMI 1034 aerobic continuous culture fermentations. <i>Biotechnology and Bioengineering</i> , 2005, 92, 568-578.	3.3	15
51	Monitoring population dynamics of the thermophilic <i>Bacillus licheniformis</i> CCMI 1034 in batch and continuous cultures using multi-parameter flow cytometry. <i>Journal of Biotechnology</i> , 2005, 115, 199-210.	3.8	37
52	Different bioreactor configurations for the decolourisation of the azo dye reactive black 5 by <i>Geotrichum</i> sp. CCMI 1019. <i>Biocatalysis and Biotransformation</i> , 2004, 22, 307-313.	2.0	3
53	A Thermotolerant Xylan-Degrading Enzyme Is Produced by <i>Streptomyces malaysiensis</i> AMT-3 Using by-Products From the Food Industry. <i>Brazilian Archives of Biology and Technology</i> , 0, 63, .	0.5	1