Alberto J D Reis

List of Publications by Year
in descending order

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	Neochloris oleabundans UTEX #1185: a suitable renewable lipid source for biofuel production. Journal of Industrial Microbiology and Biotechnology, 2009, 36, 821-826.	3.0	202
2	The role of microalgae in the bioeconomy. New Biotechnology, 2021, 61, 99-107.	4.4	136
3	Integrated microbial processes for biofuels and high value-added products: the way to improve the cost effectiveness of biofuel production. Applied Microbiology and Biotechnology, 2014, 98, 1043-1053.	3.6	95
4	Combining biotechnology with circular bioeconomy: From poultry, swine, cattle, brewery, dairy and urban wastewaters to biohydrogen. Environmental Research, 2018, 164, 32-38.	7.5	90
5	Scenedesmus obliquus mediated brewery wastewater remediation and CO 2 biofixation for green energy purposes. Journal of Cleaner Production, 2017, 165, 1316-1327.	9.3	85
6	The Dark Side of Microalgae Biotechnology: A Heterotrophic Biorefinery Platform Directed to Ï‰-3 Rich Lipid Production. Microorganisms, 2019, 7, 670.	3.6	64
7	New dual-stage pH control fed-batch cultivation strategy for the improvement of lipids and carotenoids production by the red yeast Rhodosporidium toruloides NCYC 921. Bioresource Technology, 2015, 189, 309-318.	9.6	63
8	Microalgal symbiosis in biotechnology. Applied Microbiology and Biotechnology, 2014, 98, 5839-5846.	3.6	62
9	Microalgae in a global world: New solutions for old problems?. Renewable Energy, 2021, 165, 842-862.	8.9	62
10	Effect of n-dodecane on Crypthecodinium cohnii fermentations and DHA production. Journal of Industrial Microbiology and Biotechnology, 2006, 33, 408-416.	3.0	61
11	Selecting low-cost carbon sources for carotenoid and lipid production by the pink yeast Rhodosporidium toruloides NCYC 921 using flow cytometry. Bioresource Technology, 2014, 158, 355-359.	9.6	59
12	Hydrothermal liquefaction of biomass produced from domestic sewage treatment in high-rate ponds. Renewable Energy, 2018, 118, 644-653.	8.9	51
13	Study of docosahexaenoic acid production by the heterotrophic microalga Crypthecodinium cohnii CCMP 316 using carob pulp as a promising carbon source. World Journal of Microbiology and Biotechnology, 2007, 23, 1209-1215.	3.6	48
14	Applications and perspectives of multi-parameter flow cytometry to microbial biofuels production processes. Trends in Biotechnology, 2012, 30, 225-232.	9.3	43
15	Microalgae-mediated brewery wastewater treatment: effect of dilution rate on nutrient removal rates, biomass biochemical composition, and cell physiology. Journal of Applied Phycology, 2018, 30, 1583-1595.	2.8	38
16	Monitoring population dynamics of the thermophilic Bacillus licheniformis CCMI 1034 in batch and continuous cultures using multi-parameter flow cytometry. Journal of Biotechnology, 2005, 115, 199-210.	3.8	37
17	Effect of Medium pH on Rhodosporidium toruloides NCYC 921 Carotenoid and Lipid Production Evaluated by Flow Cytometry. Applied Biochemistry and Biotechnology, 2016, 179, 776-787.	2.9	35
18	New at-line flow cytometric protocols for determining carotenoid content and cell viability during Rhodosporidium toruloides NCYC 921 batch growth. Process Biochemistry, 2014, 49, 554-562.	3.7	33

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19	The Role of Heterotrophic Microalgae in Waste Conversion to Biofuels and Bioproducts. Processes, 2021, 9, 1090.	2.8	33
20	The use of multi-parameter flow cytometry to study the impact of n-dodecane additions to marine dinoflagellate microalga Crypthecodinium cohnii batch fermentations and DHA production. Journal of Industrial Microbiology and Biotechnology, 2008, 35, 875-887.	3.0	30
21	Stress-induced physiological responses to starvation periods as well as glucose and lactose pulses in Bacillus licheniformis CCMI 1034 continuous aerobic fermentation processes as measured by multi-parameter flow cytometry. Biochemical Engineering Journal, 2005, 24, 31-41.	3.6	28
22	Process simulation and techno-economic assessment for direct production of advanced bioethanol using a genetically modified Synechocystis sp.. Bioresource Technology Reports, 2019, 6, 113-122.	2.7	28
23	Microalgae Biomass Production for Biofuels in Brazilian Scenario: A Critical Review. Bioenergy Research, 2021, 14, 23-42.	3.9	25
24	Concomitant wastewater treatment with lipid and carotenoid production by the oleaginous yeast Rhodosporidium toruloides grown on brewery effluent enriched with sugarcane molasses and urea. Process Biochemistry, 2020, 94, 1-14.	3.7	24
25	Biofuel recovery from microalgae biomass grown in dairy wastewater treated with activated sludge: The next step in sustainable production. Science of the Total Environment, 2022, 824, 153838.	8.0	24
26	Monitoring Rhodotorula glutinis CCMI 145 physiological response and oil production growing on xylose and glucose using multi-parameter flow cytometry. Bioresource Technology, 2011, 102, 2998-3006.	9.6	23
27	Evaluation of the ethanol tolerance for wild and mutant Synechocystis strains by flow cytometry. Biotechnology Reports (Amsterdam, Netherlands), 2018, 17, 137-147.	4.4	21
28	Evaluation of the Potential of Biomass to Energy in Portugalâ€”Conclusions from the CONVERTE Project. Energies, 2020, 13, 937.	3.1	20
29	Using Multi-parameter Flow Cytometry to Monitor the Yeast Rhodotorula glutinis CCMI 145 Batch Growth and Oil Production Towards Biodiesel. Applied Biochemistry and Biotechnology, 2010, 162, 2166-2176.	2.9	19
30	CO₂ utilization in the production of biomass and biocompounds by three different microalgae. Engineering in Life Sciences, 2017, 17, 1126-1135.	3.6	19
31	Effect of Furfural on Saccharomyces carlsbergensis Growth, Physiology and Ethanol Production. Applied Biochemistry and Biotechnology, 2017, 182, 708-720.	2.9	17
32	Assessment of Î²-carotene content, cell physiology and morphology of the yellow yeast <i>Rhodotorula glutinis</i> mutant 400A15 using flow cytometry. Journal of Industrial Microbiology and Biotechnology, 2013, 40, 865-875.	3.0	16
33	Yeast and microalgal symbiotic cultures using low-cost substrates for lipid production. Bioresource Technology Reports, 2019, 7, 100261.	2.7	16
34	The use of multi-parameter flow cytometry to study the impact of limiting substrate, agitation intensity, and dilution rate on cell aggregation duringBacillus licheniformis CCMI 1034 aerobic continuous culture fermentations. Biotechnology and Bioengineering, 2005, 92, 568-578.	3.3	15
35	Complementarity of Substrates in Anaerobic Digestion of Wastewater Grown Algal Biomass. Waste and Biomass Valorization, 2020, 11, 5759-5770.	3.4	15
36	Monitoring Rhodosporidium toruloides NCYC 921 batch fermentations growing under carbon and nitrogen limitation by flow cytometry. World Journal of Microbiology and Biotechnology, 2012, 28, 1175-1184.	3.6	14

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37	Low Indirect Land Use Change (ILUC) Energy Crops to Bioenergy and Biofuelsâ€"A Review. Energies, 2022, 15, 4348.	3.1	14
38	Use of Multi-parameter Flow Cytometry as Tool to Monitor the Impact of Formic Acid on Saccharomyces carlsbergensis Batch Ethanol Fermentations. Applied Biochemistry and Biotechnology, 2013, 169, 2038-2048.	2.9	13
39	Effect of Acetic Acid on Saccharomyces Carlsbergensis ATCC 6269 Batch Ethanol Production Monitored by Flow Cytometry. Applied Biochemistry and Biotechnology, 2012, 168, 1501-1515.	2.9	12
40	Energetic valorization of algal biomass in a hybrid anaerobic reactor. Journal of Environmental Management, 2018, 209, 308-315.	7.8	11
41	Carob pulp syrup: A potential Mediterranean carbon source for carotenoids production by Rhodosporidium toruloides NCYC 921. Bioresource Technology Reports, 2018, 3, 177-184.	2.7	10
42	Using flow cytometry to monitor the stress response of yeast and microalgae populations in mixed cultures developed in brewery effluents. Journal of Applied Phycology, 2020, 32, 3687-3701.	2.8	10
43	Evaluating low-cost substrates for Crypthecodinium cohnii lipids and DHA production, by flow cytometry. Journal of Applied Phycology, 2021, 33, 263-274.	2.8	10
44	Using Flow Cytometry to Evaluate the Stress Physiological Response of the Yeast Saccharomyces carlsbergensis ATCC 6269 to the Presence of 5-Hydroxymethylfurfural During Ethanol Fermentations. Applied Biochemistry and Biotechnology, 2017, 181, 1096-1107.	2.9	9
45	Impact of High-Pressure Homogenization on the Cell Integrity of Tetradesmus obliquus and Seed Germination. Molecules, 2022, 27, 2275.	3.8	9
46	Primary brewery wastewater as feedstock for the yeast Rhodosporidium toruloides and the microalga Tetradesmus obliquus mixed cultures with lipid production. Process Biochemistry, 2022, 113, 71-86.	3.7	8
47	Raw Glycerol Based Medium for DHA and Lipids Production, Using the Marine Heterotrophic Microalga Crypthecodinium cohnii. Processes, 2021, 9, 2005.	2.8	7
48	Rhodosporidium toruloides and Tetradesmus obliquus Populations Dynamics in Symbiotic Cultures, Developed in Brewery Wastewater, for Lipid Production. Current Microbiology, 2022, 79, 40.	2.2	6
49	Impact of brewery wastewater inhibitors in pure and mixed cultures of the yeast Rhodosporidium toruloides NCYC 921 and the microalga Tetradesmus obliquus ACOI 204/07. Biochemical Engineering Journal, 2022, 185, 108518.	3.6	4
50	Different bioreactor configurations for the decolourisation of the azo dye reactive black 5 byGeotrichumsp. CCMI 1019. Biocatalysis and Biotransformation, 2004, 22, 307-313.	2.0	3
51	Cascading Crypthecodinium cohnii Biorefinery: Global Warming Potential and Techno-Economic Assessment. Energies, 2022, 15, 3784.	3.1	3
52	Lipid and Carotenoid Production by a Rhodosporidium toruloides and Tetradesmus obliquus Mixed Culture Using Primary Brewery Wastewater Supplemented with Sugarcane Molasses and Urea. Applied Biochemistry and Biotechnology, 2022, 194, 5556-5579.	2.9	2
53	A Thermotolerant Xylan-Degrading Enzyme Is Produced by Streptomyces malaysiensis AMT-3 Using by-Products From the Food Industry. Brazilian Archives of Biology and Technology, 0, 63, .	0.5	1