Bernardo Dias Ribeiro

List of Publications by Year
in descending order

45 papers	1,715 citations	430874 18 h-index	315739 38 g-index
45 all docs	45 docs citations	45 times ranked	2168 citing authors

#	Article	IF	Citations
1	Menthol-based Eutectic Mixtures: Hydrophobic Low Viscosity Solvents. ACS Sustainable Chemistry and Engineering, 2015, 3, 2469-2477.	6.7	420
2	Deep eutectic solvents: overcoming 21st century challenges. Current Opinion in Green and Sustainable Chemistry, 2019, 18, 31-36.	5.9	155
3	Health issues and technological aspects of plant-based alternative milk. Food Research International, 2020, 131, 108972.	6.2	150
4	Technological Aspects of Î²-Carotene Production. Food and Bioprocess Technology, 2011, 4, 693-701.	4.7	121
5	Production and Use of Lipases in Bioenergy: A Review from the Feedstocks to Biodiesel Production. Enzyme Research, 2011, 2011, 1-16.	1.8	118
6	Functional properties of saponins from sisal (Agave sisalana) and juÃ¡ (Ziziphus joazeiro): Critical micellar concentration, antioxidant and antimicrobial activities. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 436, 736-743.	4.7	67
7	Recovery of Î²-carotene from pumpkin using switchable natural deep eutectic solvents. Ultrasonics Sonochemistry, 2021, 76, 105638.	8.2	65
8	Toxicity of ionic liquids toward microorganisms interesting to the food industry. RSC Advances, 2014, 4, 37157-37163.	3.6	64
9	Ionic Liquids as Additives for Extraction of Saponins and Polyphenols from Mate (Ilex paraguariensis) and Tea (Camellia sinensis). Industrial & Engineering Chemistry Research, 2013, 52, 12146-12153.	3.7	52
10	Optimization of lipase production by Aspergillus ibericus from oil cakes and its application in esterification reactions. Food and Bioproducts Processing, 2017, 102, 268-277.	3.6	52
11	Extraction of saponins from sisal (Agave sisalana) and juÃ¡ (Ziziphus joazeiro) with cholinium-based ionic liquids and deep eutectic solvents. European Food Research and Technology, 2013, 237, 965-975.	3.3	46
12	Hydrophobic deep eutectic solvents for purification of water contaminated with Bisphenol-A. Journal of Molecular Liquids, 2020, 297, 111841.	4.9	42
13	Molecular Dynamics Insights and Water Stability of Hydrophobic Deep Eutectic Solvents Aided Extraction of Nitenpyram from an Aqueous Environment. Journal of Physical Chemistry B, 2020, 124, 7405-7420.	2.6	42
14	Biological Approaches for Extraction of Bioactive Compounds From Agro-industrial By-products: A Review. Frontiers in Bioengineering and Biotechnology, 2021, 9, 802543.	4.1	39
15	Production of concentrated natural beta-carotene from buriti (Mauritia vinifera) oil by enzymatic hydrolysis. Food and Bioproducts Processing, 2012, 90, 141-147.	3.6	27
16	Use of micellar extraction and cloud point preconcentration for valorization of saponins from sisal (Agave sisalana) waste. Food and Bioproducts Processing, 2015, 94, 601-609.	3.6	21
17	Characterization and Application of Yarrowia lipolytica Lipase Obtained by Solid-State Fermentation in the Synthesis of Different Esters Used in the Food Industry. Applied Biochemistry and Biotechnology, 2019, 189, 933-959.	2.9	21
18	Adding Value to Agro-industrial Co-products from Canola and Soybean Oil Extraction Through Lipase Production Using Yarrowia lipolytica in Solid-State Fermentation. Waste and Biomass Valorization, 2017, 8, 1163-1176.	3.4	20

#	Article	IF	Citations
19	Enzyme-assisted extraction of carotenoids and phenolic compounds from sunflower wastes using green solvents. 3 Biotech, 2020, 10, 405.	2.2	19
20	Supplementation of watermelon peels as an enhancer of lipase and esterase production byYarrowia lipolyticain solid-state fermentation and their potential use as biocatalysts in poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 697 To	2.0	19
21	In situ product recovery techniques aiming to obtain biotechnological products: A glance to current knowledge. Biotechnology and Applied Biochemistry, 2021, 68, 1044-1057.	3.1	16
22	Enzyme-Enhanced Extraction of Phenolic Compounds and Proteins from Flaxseed Meal. ISRN Biotechnology, 2013, 2013, 1-6.	1.9	15
23	Decolorization and detoxification of different azo dyes by Phanerochaete chrysosporium ME-446 under submerged fermentation. Brazilian Journal of Microbiology, 2021, 52, 727-738.	2.0	14
24	Chemoâ€enzymatic depolymerization of industrial and assorted postâ€consumer poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5 Technology and Biotechnology, 2021, 96, 3237-3244.	3.2	13
25	Recovery of Saponins from Jua (Ziziphus joazeiro) by Micellar Extraction and Cloud Point Preconcentration. Journal of Surfactants and Detergents, 2014, 17, 553-561.	2.1	11
26	Ziziphus joazeiro Stem Bark Extract as a Green Corrosion Inhibitor for Mild Steel in Acid Medium. Processes, 2021, 9, 1323.	2.8	10
27	ObtenÃ§Ã£o de extratos de guaranÃ¡ ricos em cafeÃna por processo enzimÃ¡tico e adsorÃ§Ã£o de taninos. Brazilian Journal of Food Technology, 2012, 15, 261-270.	0.8	9
28	Biocatalytic esterification of fatty acids using a low-cost fermented solid from solid-state fermentation with Yarrowia lipolytica. 3 Biotech, 2019, 9, 38.	2.2	9
29	An ethanol-based process to simultaneously extract and fractionate carotenoids from Mauritia flexuosa L. Pulp. Revista Brasileira De Fruticultura, 2010, 32, 657-663.	0.5	8
30	Application of foam column as green technology for concentration of saponins from sisal (Agave) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.3	7
31	Influence of Betaine- and Choline-based Eutectic Solvents on Lipase Activity. Current Biochemical Engineering, 2019, 5, 57-68.	1.3	7
32	Plant-based milk products. , 2022, , 233-249.		6
33	Construction of wild-type Yarrowia lipolytica IMUFRJ 50682 auxotrophic mutants using dual CRISPR/Cas9 strategy for novel biotechnological approaches. Enzyme and Microbial Technology, 2020, 140, 109621.	3.2	5
34	Principles of Green Chemistry and White Biotechnology. RSC Green Chemistry, 2015, , 1-8.	0.1	5
35	Natural eutectic solvents for sustainable recycling of poly(ethyleneterephthalate): closing the circle. Green Chemistry, 2021, 23, 9460-9464.	9.0	5
36	Carotenoids as Colorants. , 2013, , 4017-4036.		4

#	Article	IF	Citations
37	Culture Miniaturization of Lipase Production by Yarrowia lipolytica. Current Biochemical Engineering, 2019, 5, 12-20.	1.3	4
38	Improved production of biocatalysts by Yarrowia lipolytica using natural sources of the biopolyesters cutin and suberin, and their application in hydrolysis of poly (ethylene terephthalate) (PET). Bioprocess and Biosystems Engineering, 2021, 44, 2277-2287.	3.4	4
39	Biotechnology and Green Chemistry. BioMed Research International, 2014, 2014, 1-2.	1.9	2
40	CHAPTER 6. Biocatalysis in Ionic Liquids. RSC Green Chemistry, 2015, , 136-177.	0.1	1
41	Design and Characterization of Novel Cholineâ€Based Phthalic Salts: A Case Study for Sugarcane Bagasse Pretreatment. ChemistrySelect, 2017, 2, 8039-8042.	1.5	0
42	AvaliaÃ§Ã£o da Estabilidade de EmulsÃµes CosmÃ©ticas Elaboradas com Saponinas de JuÃ¡ (Ziziphus joazeiro) e Sisal (Agave sisalana). VisÃ£o AcadÃªmica, 2017, 17, .	0.1	0
43	Application of Enzymes: Proposals for an Experimental Class. Revista Virtual De Quimica, 2013, 5, .	0.4	0
44	CHAPTER 13. Biotransformation Using Plant Cell Culture Systems and Tissues. RSC Green Chemistry, 2015, , 333-361.	0.1	0
45	CHAPTER 15. Trends and Perspectives in Green Chemistry and White Biotechnology. RSC Green Chemistry, 2015, , 391-408.	0.1	0