Carlos Eduardo AraÃºjo Padilha

List of Publications by Year
in descending order

64	907	471371 17	552653 26
papers	citations	h-index	g-index

64	64	64	926
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Valorization of mangaba residue (Hancornia speciosa Gomes) for polygalacturonase production from Aspergillus niger IOC 4003 and fabrication of active chitosan films. Biomass Conversion and Biorefinery, 2022, 12, 4069-4080.	2.9	2
2	Strategies for the Cellulosic Ethanol Production by Using High-Concentration Poly(ethylene glycol) in the Pretreatment, Enzymatic Hydrolysis, and Fermentation Steps. Bioenergy Research, 2022, 15, 493-506.	2.2	6
3	Application of pulsed electric field and drying temperature response on the thermodynamic and thermal properties of red rice starch (Oryza Sativa L.). Journal of Food Process Engineering, 2022, 45, .	1.5	12
4	Effects of the Addition of Poly(ethylene Glycol) and Non-ionic Surfactants on Pretreatment, Enzymatic Hydrolysis, and Ethanol Fermentation. Bioenergy Research, 2022, 15, 889-904.	2.2	9
5	Lactose hydrolysis using Î²-galactosidase from Kluyveromyces lactis immobilized with sodium alginate for potential industrial applications. Preparative Biochemistry and Biotechnology, 2021, 51, 1-20.	1.0	2
6	Chemical and biological activities of faveleira (Cnidoscolus quercifolius Pohl) seed oil for potential health applications. Food Chemistry, 2021, 337, 127771.	4.2	17
7	Effect of flow patterns on bovine serum albumin and ampicillin partitioning using aqueous two-phase systems in microdevice. Separation and Purification Technology, 2021, 254, 117592.	3.9	8
8	Enzymatic hydrolysis and simultaneous saccharification and fermentation of green coconut fiber under high concentrations of ethylene oxide-based polymers. Renewable Energy, 2021, 163, 1536-1547.	4.3	18
9	Activated sludge treatment for promoting the reuse of a synthetic produced water in irrigation. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2021, 56, 132-141.	0.7	3
10	Kinetic study and characterization of surfactin production by Bacillus subtilis UFPEDA 438 using sugarcane molasses as carbon source. Preparative Biochemistry and Biotechnology, 2021, 51, 300-308.	1.0	5
11	Impact of hydrothermal pretreatments on physicochemical characteristics and drying kinetics of starch from red rice (Oryza sativa L.). Journal of Food Processing and Preservation, 2021, 45, e15448.	0.9	16
12	Production and Application of Lignin-Based Chemicals and Materials in the Cellulosic Ethanol Production: An Overview on Lignin Closed-Loop Biorefinery Approaches. Waste and Biomass Valorization, 2021, 12, 6309-6337.	1.8	13
13	Choline chloride-based deep eutectic solvents do not improve the ethanolic extraction of carotenoids from buriti fruit (Mauritia flexuosa L.). Sustainable Chemistry and Pharmacy, 2021, 20, 100375.	1.6	10
14	Removal of Carbon Dioxide from a Multicomponent Gas Mixture by Absorption Using a Y-Type Microreactor. Industrial & Engineering Chemistry Research, 2021, 60, 11590-11599.	1.8	4
15	Valorization of carnauba straw and cashew leaf as bioadsorbents to remove copper (II) ions from aqueous solution. Environmental Technology and Innovation, 2021, 23, 101706.	3.0	10
16	Boosting second-generation ethanol titers from green coconut fiber by using high-concentration polyethylene glycol. Industrial Crops and Products, 2021, 166, 113494.	2.5	9
17	Extraction of bioactive compounds from buriti (Mauritia flexuosa L.) fruit by eco-friendly solvents: Chemical and functional characterization. Sustainable Chemistry and Pharmacy, 2021, 22, 100489.	1.6	5
18	Cellulolytic enzymes behavior in delignified green coconut residues and enzymatic hydrolysis with enzyme recovery. Industrial Crops and Products, 2021, 172, 114037.	2.5	3

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19	In-situ detoxification strategies to boost bioalcohol production from lignocellulosic biomass. Renewable Energy, 2021, 180, 914-936.	4.3	18
20	Partitioning and recovery of an elongation factor (1-Î³) of Leishmania infantum chagasi expressed in E. coli M15 with simultaneous endotoxin removal using aqueous two-phase system. Separation Science and Technology, 2020, 55, 1156-1166.	1.3	7
21	Valorization of cashew apple bagasse using acetic acid pretreatment: Production of cellulosic ethanol and lignin for their use as sunscreen ingredients. Process Biochemistry, 2020, 91, 23-33.	1.8	31
22	Fabrication of methyl methacrylate-based polymer particles by miniemulsion and combined miniemulsion/emulsion polymerization using an atomization apparatus. Brazilian Journal of Chemical Engineering, 2020, 37, 703-714.	0.7	1
23	Enhancing chitosan hydrolysis aiming chitooligosaccharides production by using immobilized chitosanolytic enzymes. Biocatalysis and Agricultural Biotechnology, 2020, 28, 101759.	1.5	8
24	Gelatin nanoparticles enable water dispersibility and potentialize the antimicrobial activity of Buriti (Mauritia flexuosa) oil. BMC Biotechnology, 2020, 20, 55.	1.7	11
25	Yellow mombin pulp residue valorization for pectinases production by Aspergillus niger IOC 4003 and its application in juice clarification. Biocatalysis and Agricultural Biotechnology, 2020, 30, 101876.	1.5	11
26	Recovery and purification of cellulolytic enzymes from Aspergillus fumigatus CCT 7873 using an aqueous two-phase micellar system. Annals of Microbiology, 2020, 70, .	1.1	6
27	Fabrication of hollow polymer microcapsules and removal of emulsified oil from aqueous environment using soda lignin nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 603, 125260.	2.3	12
28	Separation and concentration of bioactive phenolic compounds by solvent sublation using three-liquid-phase system. Food and Bioproducts Processing, 2020, 120, 151-157.	1.8	3
29	Organosolv lignin/Fe3O4 nanoparticles applied as a Î²-glucosidase immobilization support and adsorbent for textile dye removal. Industrial Crops and Products, 2020, 146, 112167.	2.5	39
30	Fractionation of green coconut fiber using sequential hydrothermal/alkaline pretreatments and Amberlite XAD-7HP resin. Journal of Environmental Chemical Engineering, 2019, 7, 103474.	3.3	20
31	Valorization of green coconut fibre: Use of the black liquor of organolsolv pretreatment for ethanol production and the washing water for production of rhamnolipids by Pseudomonas aeruginosa ATCC 27583. Industrial Crops and Products, 2019, 140, 111604.	2.5	31
32	PRESSURIZED WATER PRETREATMENT TO INCREASE SUGAR PRODUCTION FROM GREEN COCONUT. Revista Brasileira De Energias RenovÃ¡veis, 2019, 8, .	0.1	0
33	Ethanol production from sugarcane bagasse: Use of different fermentation strategies to enhance an environmental-friendly process. Journal of Environmental Management, 2019, 234, 44-51.	3.8	56
34	Pressurized pretreatment and simultaneous saccharification and fermentation with in situ detoxification to increase bioethanol production from green coconut fibers. Industrial Crops and Products, 2019, 130, 259-266.	2.5	42
35	Mangaba Residue (Hancorniaspeciosa GOMES) Potentially used for Producing Antioxidants and Lignocellulosic Enzymes. Biosciences, Biotechnology Research Asia, 2019, 16, 41-53.	0.2	1
36	Recovery of polyphenols from camu-camu (Myrciaria dubia H.B.K. McVaugh) depulping residue by cloud point extraction. Chinese Journal of Chemical Engineering, 2018, 26, 2471-2476.	1.7	25

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37	Enhancing enzymatic hydrolysis of green coconut fiberâ€"Pretreatment assisted by tween 80 and water effect on the post-washing. Industrial Crops and Products, 2018, 112, 734-740.	2.5	46
38	Utilization of agroindustrial residues for producing cellulases by Aspergillus fumigatus on Semi-Solid Fermentation. Journal of Environmental Chemical Engineering, 2018, 6, 937-944.	3.3	36
39	Enhancing the recovery and concentration of polyphenols from camu-camu (Myrciaria dubia H.B.K.) Tj ETQq1 1 0.784314 rgBT /Overlock 2018, 53, 2126-2135.	1.3	20
40	Pretreatments of Carnauba (Copernicia prunifera) straw residue for production of cellulolytic enzymes by Trichorderma reesei CCT-2768 by solid state fermentation. Renewable Energy, 2018, 116, 299-308.	4.3	32
41	Recovery and purification of 503 antigen fromLeishmania i. chagasiwith simultaneous removal of lipopolysaccharides: Influence of immobilized metals and elution strategies during expanded bed adsorption (EBA). Journal of Liquid Chromatography and Related Technologies, 2018, 41, 1066-1073.	0.5	2
42	Fabrication and Characterization of a Dye-Immobilized Yttria-Stabilized Zirconia Pellicular Adsorbent for Expanded Bed Adsorption Chromatography. Chromatographia, 2018, 81, 1355-1364.	0.7	6
43	Phenolic profile and antioxidant activity from peels and seeds of melon (Cucumis melo L. var.) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Biological Research, 2018, 51, e6069.	0.7	60
44	Rhamno Lipids Biosurfactants from Pseudomonas aeruginosa - A Review. Biosciences, Biotechnology Research Asia, 2018, 15, 767-781.	0.2	7
45	Enhancing enzymatic hydrolysis of coconut husk through Pseudomonas aeruginosa AP 029/GLVIIA rhamnolipid preparation. Bioresource Technology, 2017, 237, 20-26.	4.8	38
46	Simultaneous recombinant 503 antigen recovery and endotoxin removal from E. coli M15 homogenate using expanded bed adsorption chromatography. Separation Science and Technology, 2017, 52, 1869-1875.	1.3	4
47	Recovery and concentration of ortho-phenylphenol from biodesulfurization of 4-methyl dibenzothiophene by aqueous two-phase flotation. Separation and Purification Technology, 2017, 176, 306-312.	3.9	25
48	Bakerâ€™s yeast invertase purification using Aqueous Two Phase Systemâ€"Modeling and optimization with PCA/LS-SVM. Food and Bioproducts Processing, 2017, 101, 157-165.	1.8	10
49	Partition coefficient prediction of Baker's yeast invertase in aqueous two phase systems using hybrid group method data handling neural network. Chinese Journal of Chemical Engineering, 2017, 25, 652-657.	1.7	2
50	Recurrent neural network modeling applied to expanded bed adsorption chromatography of chitosanases produced by Paenibacillus ehimensis. Chemical Engineering Research and Design, 2017, 117, 24-33.	2.7	8
51	Recovery and purification of chitosanase produced by Bacillus cereus using expanded bed adsorption and central composite design. Journal of Separation Science, 2016, 39, 709-716.	1.3	11
52	Modeling and simulation of Bacillus cereus chitosanase activity during purification using expanded bed chromatography. Korean Journal of Chemical Engineering, 2016, 33, 2650-2658.	1.2	2
53	Modeling and simulation of breakthrough curves of recombinant 503 antigen using immobilized metal affinity expanded bed adsorption chromatography. Separation and Purification Technology, 2016, 164, 34-40.	3.9	17
54	Mathematical modeling of the whole expanded bed adsorption process to recover and purify chitosanases from the unclarified fermentation broth of Paenibacillus ehimensis. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1039, 44-50.	1.2	6

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55	Single-step purification of chitosanases from Bacillus cereus using expanded bed chromatography. International Journal of Biological Macromolecules, 2016, 82, 291-298.	3.6	23
56	Recovery and purification of recombinant 503 antigen of Leishmania infantum chagasi using expanded bed adsorption chromatography. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2015, 986-987, 1-7.	1.2	18
57	Prediction of rhamnolipid breakthrough curves on activated carbon and Amberlite XAD-2 using Artificial Neural Network and Group Method Data Handling models. Journal of Molecular Liquids, 2015, 206, 293-299.	2.3	25
58	Production, recovery, and purification of recombinant 503 antigen of Leishmania infantum chagasi using expanded bed adsorption chromatography. BMC Proceedings, 2014, 8, .	1.8	0
59	Production of recombinant 503 antigen of Leishmania infantum chagasi using cultivation in batch and fed-batch. BMC Proceedings, 2014, 8, .	1.8	0
60	Recovery of Rhamnolipids Produced byPseudomonas aeruginosaUsing Acidic Precipitation, Extraction, and Adsorption on Activated Carbon. Separation Science and Technology, 2013, 48, 2852-2859.	1.3	17
61	Astaxanthin Recovery from Shrimp Residue by Solvent Ethanol Extraction Using Choline Chloride:Glycerol Deep Eutectic Solvent as Adjuvant. Journal of the Brazilian Chemical Society, 0, , .	0.6	1
62	Oil-lipids, carotenoids and fatty acids simultaneous production by Rhodotorula mucilaginosa CCT3892 using sugarcane molasses as carbon source. Brazilian Journal of Food Technology, 0, 23, .	0.8	13
63	Phenolic profiles of faveleira (Cnidoscolus quercifolius Pohl) seed and press cake extracts: potential for a new trend in functional food. Brazilian Journal of Food Technology, 0, 23, .	0.8	3
64	Low-cost approaches to producing and concentrating stable lipases and the evaluation of inductors. Brazilian Journal of Chemical Engineering, 0, , 1.	0.7	1