

Carlos Eduardo Araújo Padilha

List of Publications by Year in descending order

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64
papers

907
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471371

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64
docs citations

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times ranked

926
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#	ARTICLE	IF	CITATIONS
1	Phenolic profile and antioxidant activity from peels and seeds of melon (<i>Cucumis melo</i> L. var.) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Biological Research, 2018, 51, e6069.	0.7	60
2	Ethanol production from sugarcane bagasse: Use of different fermentation strategies to enhance an environmental-friendly process. <i>Journal of Environmental Management</i> , 2019, 234, 44-51.	3.8	56
3	Enhancing enzymatic hydrolysis of green coconut fiber "Pretreatment assisted by tween 80 and water effect on the post-washing. <i>Industrial Crops and Products</i> , 2018, 112, 734-740.	2.5	46
4	Pressurized pretreatment and simultaneous saccharification and fermentation with in situ detoxification to increase bioethanol production from green coconut fibers. <i>Industrial Crops and Products</i> , 2019, 130, 259-266.	2.5	42
5	Organosolv lignin/Fe ₃ O ₄ nanoparticles applied as a Î²-glucosidase immobilization support and adsorbent for textile dye removal. <i>Industrial Crops and Products</i> , 2020, 146, 112167.	2.5	39
6	Enhancing enzymatic hydrolysis of coconut husk through <i>Pseudomonas aeruginosa</i> AP 029/GLVIA rhamnolipid preparation. <i>Bioresource Technology</i> , 2017, 237, 20-26.	4.8	38
7	Utilization of agroindustrial residues for producing cellulases by <i>Aspergillus fumigatus</i> on Semi-Solid Fermentation. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 937-944.	3.3	36
8	Pretreatments of Carnauba (<i>Copernicia prunifera</i>) straw residue for production of cellulolytic enzymes by <i>Trichoderma reesei</i> CCT-2768 by solid state fermentation. <i>Renewable Energy</i> , 2018, 116, 299-308.	4.3	32
9	Valorization of green coconut fibre: Use of the black liquor of organosolv pretreatment for ethanol production and the washing water for production of rhamnolipids by <i>Pseudomonas aeruginosa</i> ATCC 27583. <i>Industrial Crops and Products</i> , 2019, 140, 111604.	2.5	31
10	Valorization of cashew apple bagasse using acetic acid pretreatment: Production of cellulosic ethanol and lignin for their use as sunscreen ingredients. <i>Process Biochemistry</i> , 2020, 91, 23-33.	1.8	31
11	Prediction of rhamnolipid breakthrough curves on activated carbon and Amberlite XAD-2 using Artificial Neural Network and Group Method Data Handling models. <i>Journal of Molecular Liquids</i> , 2015, 206, 293-299.	2.3	25
12	Recovery and concentration of ortho-phenylphenol from biodesulfurization of 4-methyl dibenzothiophene by aqueous two-phase flotation. <i>Separation and Purification Technology</i> , 2017, 176, 306-312.	3.9	25
13	Recovery of polyphenols from camu-camu (<i>Myrciaria dubia</i> H.B.K. McVaugh) depulping residue by cloud point extraction. <i>Chinese Journal of Chemical Engineering</i> , 2018, 26, 2471-2476.	1.7	25
14	Single-step purification of chitosanases from <i>Bacillus cereus</i> using expanded bed chromatography. <i>International Journal of Biological Macromolecules</i> , 2016, 82, 291-298.	3.6	23
15	Enhancing the recovery and concentration of polyphenols from camu-camu (<i>Myrciaria dubia</i> H.B.K.) Tj ETQq1 1 0.784314 rgBT /Overlock 2018, 53, 2126-2135.	1.3	20
16	Fractionation of green coconut fiber using sequential hydrothermal/alkaline pretreatments and Amberlite XAD-7HP resin. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103474.	3.3	20
17	Recovery and purification of recombinant 503 antigen of <i>Leishmania infantum</i> chagasi using expanded bed adsorption chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 986-987, 1-7.	1.2	18
18	Enzymatic hydrolysis and simultaneous saccharification and fermentation of green coconut fiber under high concentrations of ethylene oxide-based polymers. <i>Renewable Energy</i> , 2021, 163, 1536-1547.	4.3	18

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19	In-situ detoxification strategies to boost bioalcohol production from lignocellulosic biomass. <i>Renewable Energy</i> , 2021, 180, 914-936.	4.3	18
20	Recovery of Rhamnolipids Produced by <i>Pseudomonas aeruginosa</i> Using Acidic Precipitation, Extraction, and Adsorption on Activated Carbon. <i>Separation Science and Technology</i> , 2013, 48, 2852-2859.	1.3	17
21	Modeling and simulation of breakthrough curves of recombinant 503 antigen using immobilized metal affinity expanded bed adsorption chromatography. <i>Separation and Purification Technology</i> , 2016, 164, 34-40.	3.9	17
22	Chemical and biological activities of faveleira (<i>Cnidocolus quercifolius</i> Pohl) seed oil for potential health applications. <i>Food Chemistry</i> , 2021, 337, 127771.	4.2	17
23	Impact of hydrothermal pretreatments on physicochemical characteristics and drying kinetics of starch from red rice (<i>Oryza sativa</i> L.). <i>Journal of Food Processing and Preservation</i> , 2021, 45, e15448.	0.9	16
24	Production and Application of Lignin-Based Chemicals and Materials in the Cellulosic Ethanol Production: An Overview on Lignin Closed-Loop Biorefinery Approaches. <i>Waste and Biomass Valorization</i> , 2021, 12, 6309-6337.	1.8	13
25	Oil-lipids, carotenoids and fatty acids simultaneous production by <i>Rhodotorula mucilaginosa</i> CCT3892 using sugarcane molasses as carbon source. <i>Brazilian Journal of Food Technology</i> , 0, 23, .	0.8	13
26	Fabrication of hollow polymer microcapsules and removal of emulsified oil from aqueous environment using soda lignin nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 603, 125260.	2.3	12
27	Application of pulsed electric field and drying temperature response on the thermodynamic and thermal properties of red rice starch (<i>Oryza Sativa</i> L.). <i>Journal of Food Process Engineering</i> , 2022, 45, .	1.5	12
28	Recovery and purification of chitosanase produced by <i>Bacillus cereus</i> using expanded bed adsorption and central composite design. <i>Journal of Separation Science</i> , 2016, 39, 709-716.	1.3	11
29	Gelatin nanoparticles enable water dispersibility and potentialize the antimicrobial activity of Buriti (<i>Mauritia flexuosa</i>) oil. <i>BMC Biotechnology</i> , 2020, 20, 55.	1.7	11
30	Yellow mombin pulp residue valorization for pectinases production by <i>Aspergillus niger</i> IOC 4003 and its application in juice clarification. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 30, 101876.	1.5	11
31	Baker's yeast invertase purification using Aqueous Two Phase System Modeling and optimization with PCA/LS-SVM. <i>Food and Bioprocess Processing</i> , 2017, 101, 157-165.	1.8	10
32	Choline chloride-based deep eutectic solvents do not improve the ethanolic extraction of carotenoids from buriti fruit (<i>Mauritia flexuosa</i> L.). <i>Sustainable Chemistry and Pharmacy</i> , 2021, 20, 100375.	1.6	10
33	Valorization of carnauba straw and cashew leaf as bioadsorbents to remove copper (II) ions from aqueous solution. <i>Environmental Technology and Innovation</i> , 2021, 23, 101706.	3.0	10
34	Boosting second-generation ethanol titers from green coconut fiber by using high-concentration polyethylene glycol. <i>Industrial Crops and Products</i> , 2021, 166, 113494.	2.5	9
35	Effects of the Addition of Poly(ethylene Glycol) and Non-ionic Surfactants on Pretreatment, Enzymatic Hydrolysis, and Ethanol Fermentation. <i>Bioenergy Research</i> , 2022, 15, 889-904.	2.2	9
36	Recurrent neural network modeling applied to expanded bed adsorption chromatography of chitosanases produced by <i>Paenibacillus ehimensis</i> . <i>Chemical Engineering Research and Design</i> , 2017, 117, 24-33.	2.7	8

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37	Enhancing chitosan hydrolysis aiming chitoooligosaccharides production by using immobilized chitosanolytic enzymes. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 28, 101759.	1.5	8
38	Effect of flow patterns on bovine serum albumin and ampicillin partitioning using aqueous two-phase systems in microdevice. <i>Separation and Purification Technology</i> , 2021, 254, 117592.	3.9	8
39	Partitioning and recovery of an elongation factor (E1) of <i>Leishmania infantum chagasi</i> expressed in <i>E. coli</i> M15 with simultaneous endotoxin removal using aqueous two-phase system. <i>Separation Science and Technology</i> , 2020, 55, 1156-1166.	1.3	7
40	Rhamnolipids Biosurfactants from <i>Pseudomonas aeruginosa</i> - A Review. <i>Biosciences, Biotechnology Research Asia</i> , 2018, 15, 767-781.	0.2	7
41	Mathematical modeling of the whole expanded bed adsorption process to recover and purify chitosanases from the unclarified fermentation broth of <i>Paenibacillus ehimensis</i> . <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1039, 44-50.	1.2	6
42	Fabrication and Characterization of a Dye-Immobilized Yttria-Stabilized Zirconia Pellicular Adsorbent for Expanded Bed Adsorption Chromatography. <i>Chromatographia</i> , 2018, 81, 1355-1364.	0.7	6
43	Recovery and purification of cellulolytic enzymes from <i>Aspergillus fumigatus</i> CCT 7873 using an aqueous two-phase micellar system. <i>Annals of Microbiology</i> , 2020, 70, .	1.1	6
44	Strategies for the Cellulosic Ethanol Production by Using High-Concentration Poly(ethylene glycol) in the Pretreatment, Enzymatic Hydrolysis, and Fermentation Steps. <i>Bioenergy Research</i> , 2022, 15, 493-506.	2.2	6
45	Kinetic study and characterization of surfactin production by <i>Bacillus subtilis</i> UFPEDA 438 using sugarcane molasses as carbon source. <i>Preparative Biochemistry and Biotechnology</i> , 2021, 51, 300-308.	1.0	5
46	Extraction of bioactive compounds from buriti (<i>Mauritia flexuosa</i> L.) fruit by eco-friendly solvents: Chemical and functional characterization. <i>Sustainable Chemistry and Pharmacy</i> , 2021, 22, 100489.	1.6	5
47	Simultaneous recombinant 503 antigen recovery and endotoxin removal from <i>E. coli</i> M15 homogenate using expanded bed adsorption chromatography. <i>Separation Science and Technology</i> , 2017, 52, 1869-1875.	1.3	4
48	Removal of Carbon Dioxide from a Multicomponent Gas Mixture by Absorption Using a Y-Type Microreactor. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 11590-11599.	1.8	4
49	Separation and concentration of bioactive phenolic compounds by solvent sublation using three-liquid-phase system. <i>Food and Bioproducts Processing</i> , 2020, 120, 151-157.	1.8	3
50	Activated sludge treatment for promoting the reuse of a synthetic produced water in irrigation. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2021, 56, 132-141.	0.7	3
51	Cellulolytic enzymes behavior in delignified green coconut residues and enzymatic hydrolysis with enzyme recovery. <i>Industrial Crops and Products</i> , 2021, 172, 114037.	2.5	3
52	Phenolic profiles of faveleira (<i>Cnidioscolus quercifolius</i> Pohl) seed and press cake extracts: potential for a new trend in functional food. <i>Brazilian Journal of Food Technology</i> , 0, 23, .	0.8	3
53	Modeling and simulation of <i>Bacillus cereus</i> chitosanase activity during purification using expanded bed chromatography. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 2650-2658.	1.2	2
54	Partition coefficient prediction of Baker's yeast invertase in aqueous two phase systems using hybrid group method data handling neural network. <i>Chinese Journal of Chemical Engineering</i> , 2017, 25, 652-657.	1.7	2

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55	Recovery and purification of 503 antigen from <i>Leishmania i. chagasi</i> with simultaneous removal of lipopolysaccharides: Influence of immobilized metals and elution strategies during expanded bed adsorption (EBA). <i>Journal of Liquid Chromatography and Related Technologies</i> , 2018, 41, 1066-1073.	0.5	2
56	Valorization of mangaba residue (<i>Hancornia speciosa</i> Gomes) for polygalacturonase production from <i>Aspergillus niger</i> IOC 4003 and fabrication of active chitosan films. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 4069-4080.	2.9	2
57	Lactose hydrolysis using β -galactosidase from <i>Kluyveromyces lactis</i> immobilized with sodium alginate for potential industrial applications. <i>Preparative Biochemistry and Biotechnology</i> , 2021, 51, 1-20.	1.0	2
58	Fabrication of methyl methacrylate-based polymer particles by miniemulsion and combined miniemulsion/emulsion polymerization using an atomization apparatus. <i>Brazilian Journal of Chemical Engineering</i> , 2020, 37, 703-714.	0.7	1
59	Astaxanthin Recovery from Shrimp Residue by Solvent Ethanol Extraction Using Choline Chloride:Glycerol Deep Eutectic Solvent as Adjuvant. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	1
60	Mangaba Residue (<i>Hancorniaspeciosa</i> GOMES) Potentially used for Producing Antioxidants and Lignocellulosic Enzymes. <i>Biosciences, Biotechnology Research Asia</i> , 2019, 16, 41-53.	0.2	1
61	Low-cost approaches to producing and concentrating stable lipases and the evaluation of inductors. <i>Brazilian Journal of Chemical Engineering</i> , 0, , 1.	0.7	1
62	Production, recovery, and purification of recombinant 503 antigen of <i>Leishmania infantum chagasi</i> using expanded bed adsorption chromatography. <i>BMC Proceedings</i> , 2014, 8, .	1.8	0
63	Production of recombinant 503 antigen of <i>Leishmania infantum chagasi</i> using cultivation in batch and fed-batch. <i>BMC Proceedings</i> , 2014, 8, .	1.8	0
64	PRESSURIZED WATER PRETREATMENT TO INCREASE SUGAR PRODUCTION FROM GREEN COCONUT. <i>Revista Brasileira De Energias Renováveis</i> , 2019, 8, .	0.1	0