Rosana Goldbeck

List of Publications by Year
in descending order

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58 papers	1,465 citations	331670 21 h-index	361022 35 g-index
60 all docs	60 docs citations	60 times ranked	1664 citing authors

#	Article	IF	Citations
1	Ferulic acid and derivatives: molecules with potential application in the pharmaceutical field. Brazilian Journal of Pharmaceutical Sciences, 2013, 49, 395-411.	1.2	139
2	The kinetics of the removal of nitrogen and organic matter from parboiled rice effluent by cyanobacteria in a stirred batch reactor. Bioresource Technology, 2007, 98, 2163-2169.	9.6	88
3	Microalgae-based carbohydrates: A green innovative source of bioenergy. Bioresource Technology, 2022, 344, 126304.	9.6	76
4	Subcritical water hydrolysis of brewerâ€™s spent grains: Selective production of hemicellulosic sugars (C-5 sugars). Journal of Supercritical Fluids, 2019, 145, 19-30.	3.2	64
5	Simultaneous production of xylooligosaccharides and antioxidant compounds from sugarcane bagasse via enzymatic hydrolysis. Industrial Crops and Products, 2014, 52, 770-775.	5.2	55
6	Hydrothermal treatment on depolymerization of hemicellulose of mango seed shell for the production of xylooligosaccharides. Carbohydrate Polymers, 2021, 253, 117274.	10.2	54
7	Cellulase and oxidative enzymes: new approaches, challenges and perspectives on cellulose degradation for bioethanol production. Biotechnology Letters, 2020, 42, 875-884.	2.2	52
8	Production and biochemical profile of the microalgae Aphanothece microscopica NÃgeli submitted to different drying conditions. Chemical Engineering and Processing: Process Intensification, 2008, 47, 1305-1310.	3.6	49
9	Nutritional evaluation of single-cell protein produced by Aphanothece microscopica NÃgeli. Bioresource Technology, 2010, 101, 7107-7111.	9.6	44
10	Development of hemicellulolytic enzyme mixtures for plant biomass deconstruction on target biotechnological applications. Applied Microbiology and Biotechnology, 2014, 98, 8513-8525.	3.6	44
11	Evaluation of the chemical composition of a mixture of sugarcane bagasse and straw after different pretreatments and their effects on commercial enzyme combinations for the production of fermentable sugars. Biomass and Bioenergy, 2018, 116, 180-188.	5.7	44
12	Xylooligosaccharides production by commercial enzyme mixture from agricultural wastes and their prebiotic and antioxidant potential. Bioactive Carbohydrates and Dietary Fibre, 2020, 24, 100234.	2.7	43
13	Xylooligosaccharides production from a sugarcane biomass mixture: Effects of commercial enzyme combinations on bagasse/straw hydrolysis pretreated using different strategies. Food Research International, 2020, 128, 108702.	6.2	42
14	Cellulase production from a new strain Acremonium strictum isolated from the Brazilian Biome using different substrates. Bioresource Technology, 2013, 128, 797-803.	9.6	40
15	Effect of hemicellulolytic enzymes to improve sugarcane bagasse saccharification and xylooligosaccharides production. Journal of Molecular Catalysis B: Enzymatic, 2016, 131, 36-46.	1.8	38
16	Sequential subcritical water process applied to orange peel for the recovery flavanones and sugars. Journal of Supercritical Fluids, 2020, 160, 104789.	3.2	38
17	Granulometric fractionation and micronization: A process for increasing soluble dietary fiber content and improving technological and functional properties of olive pomace. LWT - Food Science and Technology, 2020, 130, 109526.	5.2	35
18	Bamboo as an eco-friendly material for food and biotechnology industries. Current Opinion in Food Science, 2020, 33, 124-130.	8.0	33

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19	Cello-oligosaccharides production from lignocellulosic biomass and their emerging prebiotic applications. World Journal of Microbiology and Biotechnology, 2021, 37, 73.	3.6	33
20	Development and Biotechnological Application of a Novel Endoxylanase Family GH10 Identified from Sugarcane Soil Metagenome. PLoS ONE, 2013, 8, e70014.	2.5	28
21	Butanol production by Saccharomyces cerevisiae: perspectives, strategies and challenges. World Journal of Microbiology and Biotechnology, 2020, 36, 48.	3.6	23
22	Deconstruction of banana peel for carbohydrate fractionation. Bioprocess and Biosystems Engineering, 2021, 44, 297-306.	3.4	23
23	Optimization of cello-oligosaccharides production by enzymatic hydrolysis of hydrothermally pretreated sugarcane straw using cellulolytic and oxidative enzymes. Biomass and Bioenergy, 2020, 141, 105697.	5.7	23
24	Enzymatic removal of inhibitory compounds from lignocellulosic hydrolysates for biomass to bioproducts applications. World Journal of Microbiology and Biotechnology, 2020, 36, 166.	3.6	21
25	Enzymatic Production of Xylooligosaccharides from Alkali-Solubilized Arabinoxylan from Sugarcane Straw and Coffee Husk. Bioenergy Research, 2021, 14, 739-751.	3.9	21
26	Multi-stage pre-treatment of lignocellulosic biomass for multi-product biorefinery: A review. Sustainable Energy Technologies and Assessments, 2022, 49, 101702.	2.7	21
27	Screening, characterization, and biocatalytic capacity of lipases producing wild yeasts from Brazil biomes. Food Science and Biotechnology, 2013, 22, 79-87.	2.6	19
28	Subcritical water hydrolysis pretreatment of sugarcane bagasse to produce second generation ethanol. Journal of Supercritical Fluids, 2020, 164, 104916.	3.2	18
29	Recombinant chimeric enzymes for lignocellulosic biomass hydrolysis. Enzyme and Microbial Technology, 2020, 140, 109647.	3.2	17
30	Screening of potential endoglucanases, hydrolysis conditions and different sugarcane straws pretreatments for cello-oligosaccharides production. Bioresource Technology, 2020, 316, 123918.	9.6	16
31	Synergic recombinant enzyme association to optimize xylo-oligosaccharides production from agricultural waste. Biocatalysis and Agricultural Biotechnology, 2020, 28, 101747.	3.1	16
32	Low-frequency Ultrasound with Short Application Time Improves Cellulase Activity and Reducing Sugars Release. Applied Biochemistry and Biotechnology, 2020, 191, 1042-1055.	2.9	16
33	Optimization of anaerobic fermentation of Actinobacillus succinogenes for increase the succinic acid production. Biocatalysis and Agricultural Biotechnology, 2020, 27, 101718.	3.1	15
34	Multi-omics analysis provides insights into lignocellulosic biomass degradation by Laetiporus sulphureus ATCC 52600. Biotechnology for Biofuels, 2021, 14, 96.	6.2	15
35	Increase of reducing sugars release by enzymatic hydrolysis of sugarcane bagasse intensified by ultrasonic treatment. Biomass and Bioenergy, 2019, 122, 481-489.	5.7	13
36	Application of soluble fibres in the osmotic dehydration of pineapples and reuse of effluent in a beverage fermented by water kefir. LWT - Food Science and Technology, 2020, 132, 109819.	5.2	13

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37	Application of Supercritical CO2 Treatment Enhances Enzymatic Hydrolysis of Sugarcane Bagasse. Bioenergy Research, 2020, 13, 786-796.	3.9	12
38	Evolutionary Engineering of Two Robust Brazilian Industrial Yeast Strains for Thermotolerance and Second-Generation Biofuels. Industrial Biotechnology, 2020, 16, 91-98.	0.8	11
39	Heterologous Expression of Lignocellulose-Modifying Enzymes in Microorganisms: Current Status. Molecular Biotechnology, 2021, 63, 184-199.	2.4	11
40	Evaluating the addition of xylooligosaccharides into alginate-gelatin hydrogels. Food Research International, 2021, 147, 110516.	6.2	11
41	Sustainable valorization of apple waste in a biorefinery: a bibliometric analysis. Biofuels, Bioproducts and Biorefining, 2022, 16, 891-919.	3.7	11
42	Xylo-oligosaccharide microparticles with synbiotic potential obtained from enzymatic hydrolysis of sugarcane straw. Food Research International, 2021, 140, 109827.	6.2	10
43	New biotechnological opportunities for C5 sugars from lignocellulosic materials. Bioresource Technology Reports, 2022, 17, 100956.	2.7	9
44	n-Butanol production by Saccharomyces cerevisiae from protein-rich agro-industrial by-products. Brazilian Journal of Microbiology, 2020, 51, 1655-1664.	2.0	7
45	Increased biomass saccharification by supplementation of a commercial enzyme cocktail with endo-arabinanase from Bacillus licheniformis. Biotechnology Letters, 2015, 37, 1455-1462.	2.2	6
46	Genome sequence of Acremonium strictum AAJ6 strain isolated from the Cerrado biome in Brazil and CAZymes expression in thermotolerant industrial yeast for ethanol production. Process Biochemistry, 2020, 98, 139-150.	3.7	5
47	Alternative technology for intensification of fermentable sugars released from enzymatic hydrolysis of sugarcane bagasse. Biomass Conversion and Biorefinery, 2020, , 1.	4.6	5
48	Nutritional potential and bioactive compounds of xiqueâ€xique juice: An unconventional food plant from Semiarid Brazilian. Journal of Food Processing and Preservation, 2021, 45, e15265.	2.0	5
49	Physicochemical characteristics and bioactive compounds of the Xique-xique (Pilosocereus gounellei) cactus from Caatinga Brazilian: are they nutritive and functional?. Journal of Food Measurement and Characterization, 2021, 15, 3284-3297.	3.2	5
50	Xylo-Oligosaccharide Utilization by Engineered Saccharomyces cerevisiae to Produce Ethanol. Frontiers in Bioengineering and Biotechnology, 2022, 10, 825981.	4.1	5
51	Production of celloâ€oligosaccharides through the biorefinery concept: A technicalâ€economic and lifeâ€cycle assessment. Biofuels, Bioproducts and Biorefining, 2021, 15, 1763.	3.7	4
52	Fractionating process of lignocellulosic biomass for the enzymatic production of short chain cello-oligosaccharides. Industrial Crops and Products, 2022, 178, 114671.	5.2	4
53	Enzymatic generation of short chain cello-oligosaccharides from Miscanthus using different pretreatments. Bioresource Technology, 2022, 358, 127399.	9.6	4
54	Robustness and Ethanol Production of Industrial Strains of Saccharomyces cerevisiae Using Different Sugarcane Bagasse Hydrolysates. Journal of Applied Biotechnology, 2018, 7, 23.	0.1	3

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55	Analysis of metabolite profiles of Saccharomyces cerevisiae strains suitable for butanol production. FEMS Microbiology Letters, 2019, 366, .	1.8	3
56	Enzymatic Hydrolysis Intensification of Lignocellulolytic Enzymes Through Ultrasonic Treatment. Bioenergy Research, 2022, 15, 875-888.	3.9	2
57	Production of Succinic Acid: Effects of C:N Ratio. Journal of Applied Biotechnology, 2019, 7, 31.	0.1	1
58	Selection of wild-type S. cerevisiae strains tolerant to the presence of n-butanol from evolutionary engineering. , 0, , .		0