

# Rosana Goldbeck

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

1,465  
citations

331538

21  
h-index

360920

35  
g-index

60  
all docs

60  
docs citations

60  
times ranked

1664  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enzymatic Hydrolysis Intensification of Lignocellulolytic Enzymes Through Ultrasonic Treatment. <i>Bioenergy Research</i> , 2022, 15, 875-888.	2.2	2
2	Microalgae-based carbohydrates: A green innovative source of bioenergy. <i>Bioresource Technology</i> , 2022, 344, 126304.	4.8	76
3	Multi-stage pre-treatment of lignocellulosic biomass for multi-product biorefinery: A review. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 49, 101702.	1.7	21
4	Sustainable valorization of apple waste in a biorefinery: a bibliometric analysis. <i>Biofuels, Bioproducts and Biorefining</i> , 2022, 16, 891-919.	1.9	11
5	New biotechnological opportunities for C5 sugars from lignocellulosic materials. <i>Bioresource Technology Reports</i> , 2022, 17, 100956.	1.5	9
6	Fractionating process of lignocellulosic biomass for the enzymatic production of short chain cello-oligosaccharides. <i>Industrial Crops and Products</i> , 2022, 178, 114671.	2.5	4
7	Xylo-Oligosaccharide Utilization by Engineered <i>Saccharomyces cerevisiae</i> to Produce Ethanol. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 825981.	2.0	5
8	Enzymatic generation of short chain cello-oligosaccharides from <i>Miscanthus</i> using different pretreatments. <i>Bioresource Technology</i> , 2022, 358, 127399.	4.8	4
9	Enzymatic Production of Xylooligosaccharides from Alkali-Solubilized Arabinoxylan from Sugarcane Straw and Coffee Husk. <i>Bioenergy Research</i> , 2021, 14, 739-751.	2.2	21
10	Xylo-oligosaccharide microparticles with synbiotic potential obtained from enzymatic hydrolysis of sugarcane straw. <i>Food Research International</i> , 2021, 140, 109827.	2.9	10
11	Hydrothermal treatment on depolymerization of hemicellulose of mango seed shell for the production of xylooligosaccharides. <i>Carbohydrate Polymers</i> , 2021, 253, 117274.	5.1	54
12	Deconstruction of banana peel for carbohydrate fractionation. <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 297-306.	1.7	23
13	Heterologous Expression of Lignocellulose-Modifying Enzymes in Microorganisms: Current Status. <i>Molecular Biotechnology</i> , 2021, 63, 184-199.	1.3	11
14	Nutritional potential and bioactive compounds of xique-xique juice: An unconventional food plant from Semi-arid Brazilian. <i>Journal of Food Processing and Preservation</i> , 2021, 45, e15265.	0.9	5
15	Cello-oligosaccharides production from lignocellulosic biomass and their emerging prebiotic applications. <i>World Journal of Microbiology and Biotechnology</i> , 2021, 37, 73.	1.7	33
16	Multi-omics analysis provides insights into lignocellulosic biomass degradation by <i>Laetiporus sulphureus</i> ATCC 52600. <i>Biotechnology for Biofuels</i> , 2021, 14, 96.	6.2	15
17	Physicochemical characteristics and bioactive compounds of the Xique-xique ( <i>Pilosocereus gounellei</i> ) cactus from Caatinga Brazilian: are they nutritive and functional?. <i>Journal of Food Measurement and Characterization</i> , 2021, 15, 3284-3297.	1.6	5
18	Production of cello-oligosaccharides through the biorefinery concept: A technical-economic and life-cycle assessment. <i>Biofuels, Bioproducts and Biorefining</i> , 2021, 15, 1763.	1.9	4

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19	Evaluating the addition of xylooligosaccharides into alginate-gelatin hydrogels. <i>Food Research International</i> , 2021, 147, 110516.	2.9	11
20	Xylooligosaccharides production from a sugarcane biomass mixture: Effects of commercial enzyme combinations on bagasse/straw hydrolysis pretreated using different strategies. <i>Food Research International</i> , 2020, 128, 108702.	2.9	42
21	Recombinant chimeric enzymes for lignocellulosic biomass hydrolysis. <i>Enzyme and Microbial Technology</i> , 2020, 140, 109647.	1.6	17
22	Enzymatic removal of inhibitory compounds from lignocellulosic hydrolysates for biomass to bioproducts applications. <i>World Journal of Microbiology and Biotechnology</i> , 2020, 36, 166.	1.7	21
23	Application of soluble fibres in the osmotic dehydration of pineapples and reuse of effluent in a beverage fermented by water kefir. <i>LWT - Food Science and Technology</i> , 2020, 132, 109819.	2.5	13
24	Genome sequence of <i>Acremonium strictum</i> AAJ6 strain isolated from the Cerrado biome in Brazil and CAZymes expression in thermotolerant industrial yeast for ethanol production. <i>Process Biochemistry</i> , 2020, 98, 139-150.	1.8	5
25	Optimization of anaerobic fermentation of <i>Actinobacillus succinogenes</i> for increase the succinic acid production. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 27, 101718.	1.5	15
26	Xylooligosaccharides production by commercial enzyme mixture from agricultural wastes and their prebiotic and antioxidant potential. <i>Bioactive Carbohydrates and Dietary Fibre</i> , 2020, 24, 100234.	1.5	43
27	Screening of potential endoglucanases, hydrolysis conditions and different sugarcane straws pretreatments for cello-oligosaccharides production. <i>Bioresource Technology</i> , 2020, 316, 123918.	4.8	16
28	Synergic recombinant enzyme association to optimize xylo-oligosaccharides production from agricultural waste. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 28, 101747.	1.5	16
29	n-Butanol production by <i>Saccharomyces cerevisiae</i> from protein-rich agro-industrial by-products. <i>Brazilian Journal of Microbiology</i> , 2020, 51, 1655-1664.	0.8	7
30	Alternative technology for intensification of fermentable sugars released from enzymatic hydrolysis of sugarcane bagasse. <i>Biomass Conversion and Biorefinery</i> , 2020, , 1.	2.9	5
31	Subcritical water hydrolysis pretreatment of sugarcane bagasse to produce second generation ethanol. <i>Journal of Supercritical Fluids</i> , 2020, 164, 104916.	1.6	18
32	Granulometric fractionation and micronization: A process for increasing soluble dietary fiber content and improving technological and functional properties of olive pomace. <i>LWT - Food Science and Technology</i> , 2020, 130, 109526.	2.5	35
33	Bamboo as an eco-friendly material for food and biotechnology industries. <i>Current Opinion in Food Science</i> , 2020, 33, 124-130.	4.1	33
34	Butanol production by <i>Saccharomyces cerevisiae</i> : perspectives, strategies and challenges. <i>World Journal of Microbiology and Biotechnology</i> , 2020, 36, 48.	1.7	23
35	Sequential subcritical water process applied to orange peel for the recovery flavanones and sugars. <i>Journal of Supercritical Fluids</i> , 2020, 160, 104789.	1.6	38
36	Low-frequency Ultrasound with Short Application Time Improves Cellulase Activity and Reducing Sugars Release. <i>Applied Biochemistry and Biotechnology</i> , 2020, 191, 1042-1055.	1.4	16

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37	Cellulase and oxidative enzymes: new approaches, challenges and perspectives on cellulose degradation for bioethanol production. <i>Biotechnology Letters</i> , 2020, 42, 875-884.	1.1	52
38	Evolutionary Engineering of Two Robust Brazilian Industrial Yeast Strains for Thermotolerance and Second-Generation Biofuels. <i>Industrial Biotechnology</i> , 2020, 16, 91-98.	0.5	11
39	Application of Supercritical CO <sub>2</sub> Treatment Enhances Enzymatic Hydrolysis of Sugarcane Bagasse. <i>Bioenergy Research</i> , 2020, 13, 786-796.	2.2	12
40	Optimization of cello-oligosaccharides production by enzymatic hydrolysis of hydrothermally pretreated sugarcane straw using cellulolytic and oxidative enzymes. <i>Biomass and Bioenergy</i> , 2020, 141, 105697.	2.9	23
41	Analysis of metabolite profiles of <i>Saccharomyces cerevisiae</i> strains suitable for butanol production. <i>FEMS Microbiology Letters</i> , 2019, 366, .	0.7	3
42	Production of Succinic Acid: Effects of C:N Ratio. <i>Journal of Applied Biotechnology</i> , 2019, 7, 31.	0.1	1
43	Increase of reducing sugars release by enzymatic hydrolysis of sugarcane bagasse intensified by ultrasonic treatment. <i>Biomass and Bioenergy</i> , 2019, 122, 481-489.	2.9	13
44	Subcritical water hydrolysis of brewer's spent grains: Selective production of hemicellulosic sugars (C-5 sugars). <i>Journal of Supercritical Fluids</i> , 2019, 145, 19-30.	1.6	64
45	Robustness and Ethanol Production of Industrial Strains of <i>Saccharomyces cerevisiae</i> Using Different Sugarcane Bagasse Hydrolysates. <i>Journal of Applied Biotechnology</i> , 2018, 7, 23.	0.1	3
46	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. <i>Biomass and Bioenergy</i> , 2018, 116, 180-188.	2.9	44
47	Effect of hemicellulolytic enzymes to improve sugarcane bagasse saccharification and xylooligosaccharides production. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 131, 36-46.	1.8	38
48	Increased biomass saccharification by supplementation of a commercial enzyme cocktail with endo-arabinanase from <i>Bacillus licheniformis</i> . <i>Biotechnology Letters</i> , 2015, 37, 1455-1462.	1.1	6
49	Development of hemicellulolytic enzyme mixtures for plant biomass deconstruction on target biotechnological applications. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 8513-8525.	1.7	44
50	Simultaneous production of xylooligosaccharides and antioxidant compounds from sugarcane bagasse via enzymatic hydrolysis. <i>Industrial Crops and Products</i> , 2014, 52, 770-775.	2.5	55
51	Cellulase production from a new strain <i>Acremonium strictum</i> isolated from the Brazilian Biome using different substrates. <i>Bioresource Technology</i> , 2013, 128, 797-803.	4.8	40
52	Screening, characterization, and biocatalytic capacity of lipases producing wild yeasts from Brazil biomes. <i>Food Science and Biotechnology</i> , 2013, 22, 79-87.	1.2	19
53	Ferulic acid and derivatives: molecules with potential application in the pharmaceutical field. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 2013, 49, 395-411.	1.2	139
54	Development and Biotechnological Application of a Novel Endoxylanase Family GH10 Identified from Sugarcane Soil Metagenome. <i>PLoS ONE</i> , 2013, 8, e70014.	1.1	28

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55	Nutritional evaluation of single-cell protein produced by <i>Aphanothece microscopica</i> NÄgeli. <i>Bioresource Technology</i> , 2010, 101, 7107-7111.	4.8	44
56	Production and biochemical profile of the microalgae <i>Aphanothece microscopica</i> NÄgeli submitted to different drying conditions. <i>Chemical Engineering and Processing: Process Intensification</i> , 2008, 47, 1305-1310.	1.8	49
57	The kinetics of the removal of nitrogen and organic matter from parboiled rice effluent by cyanobacteria in a stirred batch reactor. <i>Bioresource Technology</i> , 2007, 98, 2163-2169.	4.8	88
58	Selection of wild-type <i>S. cerevisiae</i> strains tolerant to the presence of n-butanol from evolutionary engineering. , 0, , .		0