Debora D V Silva

List of Publications by Year
in descending order

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22	515	623734 14	794594 19
papers	citations	h-index	g-index

24	24	24	563
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Immobilized microbial nanoparticles for biosorption. Critical Reviews in Biotechnology, 2020, 40, 653-666.	9.0	54
2	Scale up of xylitol production from sugarcane bagasse hemicellulosic hydrolysate by Candida guilliermondii FTI 20037. Journal of Industrial and Engineering Chemistry, 2017, 47, 297-302.	5.8	50
3	Biochemical conversion of sugarcane straw hemicellulosic hydrolyzate supplemented with co-substrates for xylitol production. Bioresource Technology, 2016, 200, 1085-1088.	9.6	48
4	Evaluation of oxygen availability on ethanol production from sugarcane bagasse hydrolysate in a batch bioreactor using two strains of xylose-fermenting yeast. Renewable Energy, 2016, 87, 703-710.	8.9	48
5	Effect of glucose:xylose ratio on xylose reductase and xylitol dehydrogenase activities fromCandida guilliermondii in sugarcane bagasse hydrolysate. Journal of Chemical Technology and Biotechnology, 2006, 81, 1294-1300.	3.2	37
6	Evaluation of hexose and pentose in pre-cultivation of Candida guilliermondii on the key enzymes for xylitol production in sugarcane hemicellulosic hydrolysate. Biodegradation, 2011, 22, 815-822.	3.0	32
7	Inhibitory effect of acetic acid on bioconversion of xylose in xylitol by Candida guilliermondii in sugarcane bagasse hydrolysate. Brazilian Journal of Microbiology, 2004, 35, 248-254.	2.0	27
8	Improvement of biotechnological xylitol production by glucose during cultive of Candida guilliermondii in sugarcane bagasse hydrolysate. Brazilian Archives of Biology and Technology, 2007, 50, 207-215.	0.5	27
9	Xylitol-Sweetener Production from Barley Straw: Optimization of Acid Hydrolysis Condition with the Energy Consumption Simulation. Waste and Biomass Valorization, 2020, 11, 1837-1849.	3.4	25
10	Evaluation of fermentative potential of Kluyveromyces marxianus ATCC 36907 in cellulosic and hemicellulosic sugarcane bagasse hydrolysates on xylitol and ethanol production. Annals of Microbiology, 2015, 65, 687-694.	2.6	23
11	Production and purification of xylitol by Scheffersomyces amazonenses via sugarcane hemicellulosic hydrolysate. Biofuels, Bioproducts and Biorefining, 2020, 14, 344-356.	3.7	21
12	Effect of volumetric oxygen transfer coefficient (k L a) on ethanol production performance by Scheffersomyces stipitis on hemicellulosic sugarcane bagasse hydrolysate. Biochemical Engineering Journal, 2016, 112, 249-257.	3.6	20
13	Physicochemical and thermal characteristics of sugarcane straw and its cellulignin. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	1.6	18
14	Evaluation of oat hull hemicellulosic hydrolysate fermentability employing Pichia stipitis. Brazilian Archives of Biology and Technology, 2012, 55, 771-777.	0.5	18
15	Evaluation of Inoculum of <I>Candida guilliermondii </I>Grown in Presence of Glucose on Xylose Reductase and Xylitol Dehydrogenase Activities and Xylitol Production During Batch Fermentation of Sugarcane Bagasse Hydrolysate. Applied Biochemistry and Biotechnology, 2005, 121, 0427-0438.	2.9	13
16	New cultive medium for bioconversion of C5 fraction from sugarcane bagasse using rice bran extract. Brazilian Journal of Microbiology, 2014, 45, 1469-1475.	2.0	10
17	Biotechnological Production of Xylitol from Biomass. Biofuels and Biorefineries, 2017, , 311-342.	0.5	6
18	Evaluation of fermentative performance of Candida guilliermondii in sugarcane bagasse hemicellulosic hydrolysate detoxified with activated charcoal or vegetal polymer. , 2012, , .		5

#	Article	IF	Citations
19	Biomass Pretreatment With Oxalic Acid for Value-Added Products. , 2016, , 187-208.		2
20	Pharmaceutical and Biomedical Applications of Magnetic Iron-Oxide Nanoparticles. , 2017, , 77-99.		2
21	Repeated-batch fermentation of sugarcane bagasse hemicellulosic hydrolysate to ethanol using two xylose-fermenting yeasts. Biomass Conversion and Biorefinery, 2022, 12, 4321-4331.	4.6	2
22	Characterization of the solid residue generated in the detoxification step of sugarcane bagasse hemicellulosic hydrolysate and behavior in agricultural soils. Bragantia, 2020, 79, 107-119.	1.3	1