

Thais S S Milessi

List of Publications by Year in descending order

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27
papers

849
citations

687363

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h-index

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25
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27
all docs

27
docs citations

27
times ranked

987
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioconversion of Sugarcane Biomass into Ethanol: An Overview about Composition, Pretreatment Methods, Detoxification of Hydrolysates, Enzymatic Saccharification, and Ethanol Fermentation. <i>Journal of Biomedicine and Biotechnology</i> , 2012, 2012, 1-15.	3.0	372
2	Sugarcane straw as a potential second generation feedstock for biorefinery and white biotechnology applications. <i>Biomass and Bioenergy</i> , 2021, 144, 105896.	5.7	54
3	Bioethanol Production from Sugarcane Bagasse by a Novel Brazilian Pentose Fermenting Yeast <i>Scheffersomyces shehatae</i> UFMG-HM 52.2: Evaluation of Fermentation Medium. <i>International Journal of Chemical Engineering</i> , 2014, 2014, 1-8.	2.4	49
4	Immobilization and stabilization of an endoxylanase from <i>Bacillus subtilis</i> (XynA) for xylooligosaccharides (XOs) production. <i>Catalysis Today</i> , 2016, 259, 130-139.	4.4	48
5	Brazilian biorefineries from second generation biomass: critical insights from industry and future perspectives. <i>Biofuels, Bioproducts and Biorefining</i> , 2021, 15, 1190-1208.	3.7	40
6	Enzymatic catalysis as a tool in biofuels production in Brazil: Current status and perspectives. <i>Energy for Sustainable Development</i> , 2022, 68, 103-119.	4.5	32
7	Dilute Acid Hydrolysis of Agro-Residues for the Depolymerization of Hemicellulose: State-of-the-Art. , 2012, , 39-61.		29
8	Repeated batches as a strategy for high 2G ethanol production from undetoxified hemicellulose hydrolysate using immobilized cells of recombinant <i>Saccharomyces cerevisiae</i> in a fixed-bed reactor. <i>Biotechnology for Biofuels</i> , 2020, 13, 85.	6.2	21
9	Influence of key variables on the simultaneous isomerization and fermentation (SIF) of xylose by a native <i>Saccharomyces cerevisiae</i> strain co-encapsulated with xylose isomerase for 2G ethanol production. <i>Biomass and Bioenergy</i> , 2018, 119, 277-283.	5.7	19
10	Hemicellulosic Ethanol Production by Immobilized Wild Brazilian Yeast <i>Scheffersomyces shehatae</i> UFMG-HM 52.2: Effects of Cell Concentration and Stirring Rate. <i>Current Microbiology</i> , 2016, 72, 133-138.	2.2	18
11	Xylooligosaccharides production chain in sugarcane biorefineries: From the selection of pretreatment conditions to the evaluation of nutritional properties. <i>Industrial Crops and Products</i> , 2021, 172, 114056.	5.2	18
12	Rice bran extract: an inexpensive nitrogen source for the production of 2G ethanol from sugarcane bagasse hydrolysate. <i>3 Biotech</i> , 2013, 3, 373-379.	2.2	16
13	Continuous 2G ethanol production from xylose in a fixed-bed reactor by native <i>Saccharomyces cerevisiae</i> strain through simultaneous isomerization and fermentation. <i>Cellulose</i> , 2020, 27, 4429-4442.	4.9	15
14	Unraveling continuous 2G ethanol production from xylose using hemicellulose hydrolysate and immobilized superior recombinant yeast in fixed-bed bioreactor. <i>Biochemical Engineering Journal</i> , 2021, 169, 107963.	3.6	15
15	Hemicellulosic Ethanol Production in Fluidized Bed Reactor from Sugar Cane Bagasse Hydrolysate: Interplay among Carrier Concentration and Aeration Rate. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 8250-8259.	6.7	13
16	Eucalyptus xylan: An in-house-produced substrate for xylanase evaluation to substitute birchwood xylan. <i>Carbohydrate Polymers</i> , 2018, 197, 167-173.	10.2	13
17	Hemicellulosic ethanol production by immobilized cells of <i>Scheffersomyces stipitis</i> : Effect of cell concentration and stirring. <i>Bioengineered</i> , 2015, 6, 26-32.	3.2	12
18	An Innovative Biocatalyst for Continuous 2G Ethanol Production from Xylo-Oligomers by <i>Saccharomyces cerevisiae</i> through Simultaneous Hydrolysis, Isomerization, and Fermentation (SHIF). <i>Catalysts</i> , 2019, 9, 225.	3.5	12

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19	Towards a practical industrial 2G ethanol production process based on immobilized recombinant <i>S.Âcerevisiae</i> : Medium and strain selection for robust integrated fixed-bed reactor operation. <i>Renewable Energy</i> , 2022, 185, 363-375.	8.9	12
20	High stabilization and hyperactivation of a Recombinant β -Xylosidase through Immobilization Strategies. <i>Enzyme and Microbial Technology</i> , 2021, 145, 109725.	3.2	9
21	Cell Immobilization Using Alginate-Based Beads as a Protective Technique against Stressful Conditions of Hydrolysates for 2G Ethanol Production. <i>Polymers</i> , 2022, 14, 2400.	4.5	9
22	Bioethanol Production from Xylose-Rich Hydrolysate by Immobilized Recombinant <i>Saccharomyces cerevisiae</i> in Fixed-Bed Reactor. <i>Industrial Biotechnology</i> , 2020, 16, 75-80.	0.8	7
23	Immobilization of <i>Scheffersomyces stipitis</i> cells with calcium alginate beads: A sustainable method for hemicellulosic ethanol production from sugarcane bagasse hydrolysate. <i>Bioethanol</i> , 2013, 1, .	1.2	5
24	Assessment of the sustainability and economic potential of hydrotreated vegetable oils to complement diesel and biodiesel blends in Brazil. <i>Biofuels, Bioproducts and Biorefining</i> , 2023, 17, 312-323.	3.7	5
25	Parametric comparison of biodiesel transesterification processes using non-edible feedstocks: Castor bean and jatropha oils. <i>Biofuels, Bioproducts and Biorefining</i> , 2023, 17, 297-311.	3.7	4
26	Biodiesel production in oil biorefinery and by-products utilization. , 2022, , 109-150.		1
27	Improvement of functional properties of cow's milk peptides through partial proteins hydrolysis. <i>Journal of Food Science and Technology</i> , 2022, 59, 4520-4529.	2.8	1