

Adriane Mf Milagres

List of Publications by Year in descending order

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3944
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#	ARTICLE	IF	CITATIONS
1	The Effect of Xylan Removal on the High-Solid Enzymatic Hydrolysis of Sugarcane Bagasse. <i>Bioenergy Research</i> , 2022, 15, 1096-1106.	2.2	6
2	Oligosaccharides from Lignocellulosic Biomass and Their Biological and Physicochemical Properties. <i>Clean Energy Production Technologies</i> , 2022, , 275-309.	0.3	7
3	High-solid enzymatic hydrolysis of sugarcane bagasse and ethanol production in repeated batch process using column reactors. <i>3 Biotech</i> , 2021, 11, 432.	1.1	3
4	Characteristics of sugarcane bagasse fibers after xylan extraction and their high-solid hydrolysis cellulase-catalyzed. <i>Biocatalysis and Agricultural Biotechnology</i> , 2021, 36, 102123.	1.5	2
5	Simplified configuration for conversion of sugars from sugarcane bagasse into ethanol. <i>Bioresource Technology Reports</i> , 2021, 16, 100835.	1.5	2
6	The Secretome of <i>Phanerochaete chrysosporium</i> and <i>Trametes versicolor</i> Grown in Microcrystalline Cellulose and Use of the Enzymes for Hydrolysis of Lignocellulosic Materials. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 826.	2.0	18
7	Co-production of xylo-oligosaccharides, xylose and cellulose nanofibrils from sugarcane bagasse. <i>Journal of Biotechnology</i> , 2020, 321, 35-47.	1.9	18
8	Enzyme-aided xylan extraction from alkaline-sulfite pretreated sugarcane bagasse and its incorporation onto eucalyptus kraft pulps. <i>Carbohydrate Research</i> , 2020, 492, 108003.	1.1	8
9	The secretome of two representative lignocellulose-decay basidiomycetes growing on sugarcane bagasse solid-state cultures. <i>Enzyme and Microbial Technology</i> , 2019, 130, 109370.	1.6	15
10	Sucrose content, lignocellulose accumulation and in vitro digestibility of sugarcane internodes depicted in relation to internode maturation stage and <i>Saccharum</i> genotypes. <i>Industrial Crops and Products</i> , 2019, 139, 111543.	2.5	26
11	An innovative concept for industrial sugarcane processing enhances polysaccharide utilization in first- and second-generation integrated biorefineries. <i>Industrial Crops and Products</i> , 2019, 141, 111801.	2.5	1
12	On-site produced and commercially available alkali-active xylanases compared for xylan extraction from sugarcane bagasse. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 18, 101081.	1.5	5
13	Heterologous expression and functional characterization of a GH10 endoxylanase from <i>Aspergillus fumigatus</i> var. <i>niveus</i> with potential biotechnological application. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2019, 24, e00382.	2.1	14
14	An ascomycota coculture in batch bioreactor is better than polycultures for cellulase production. <i>Folia Microbiologica</i> , 2018, 63, 467-478.	1.1	10
15	Comparative evaluation of acid and alkaline sulfite pretreatments for enzymatic saccharification of bagasses from three different sugarcane hybrids. <i>Biotechnology Progress</i> , 2018, 34, 944-951.	1.3	6
16	Role of hemicellulose removal during dilute acid pretreatment on the cellulose accessibility and enzymatic hydrolysis of compositionally diverse sugarcane hybrids. <i>Industrial Crops and Products</i> , 2018, 111, 722-730.	2.5	68
17	Fate of p-hydroxycinnamates and structural characteristics of residual hemicelluloses and lignin during alkaline-sulfite chemithermomechanical pretreatment of sugarcane bagasse. <i>Biotechnology for Biofuels</i> , 2018, 11, 153.	6.2	27
18	A <i>Chrysosporthe cubensis</i> enzyme cocktail produced from a low-cost carbon source with high biomass hydrolysis efficiency. <i>Scientific Reports</i> , 2017, 7, 3893.	1.6	26

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19	Limitation of cellulose accessibility and unproductive binding of cellulases by pretreated sugarcane bagasse lignin. <i>Biotechnology for Biofuels</i> , 2017, 10, 176.	6.2	95
20	Xylan extraction from pretreated sugarcane bagasse using alkaline and enzymatic approaches. <i>Biotechnology for Biofuels</i> , 2017, 10, 296.	6.2	65
21	Exploring glycoside hydrolases and accessory proteins from wood decay fungi to enhance sugarcane bagasse saccharification. <i>Biotechnology for Biofuels</i> , 2016, 9, 110.	6.2	47
22	Tissue-specific distribution of hemicelluloses in six different sugarcane hybrids as related to cell wall recalcitrance. <i>Biotechnology for Biofuels</i> , 2016, 9, 99.	6.2	51
23	Sugarcane hybrids with original low lignin contents and high field productivity are useful to reach high glucose yields from bagasse. <i>Biomass and Bioenergy</i> , 2015, 75, 65-74.	2.9	20
24	Topochemical characterization of sugar cane pretreated with alkaline sulfite. <i>Industrial Crops and Products</i> , 2015, 69, 60-67.	2.5	24
25	Mapping of Cell Wall Components in Lignified Biomass as a Tool to Understand Recalcitrance. , 2014, , 173-202.		6
26	Effects of enzymatic removal of plant cell wall acylation (acetylation, p-coumaroylation, and) fractions. <i>Biotechnology for Biofuels</i> , 2014, 7, 153.	6.2	38
27	Reactive dyes and textile effluent decolorization by a mediator system of salt-tolerant laccase from <i>Peniophora cinerea</i> . <i>Separation and Purification Technology</i> , 2014, 135, 183-189.	3.9	31
28	Decolorization of salt-alkaline effluent with industrial reactive dyes by laccase-producing basidiomycetes strains. <i>Letters in Applied Microbiology</i> , 2013, 56, 283-290.	1.0	23
29	Direct ethanol production from glucose, xylose and sugarcane bagasse by the corn endophytic fungi <i>Fusarium verticillioides</i> and <i>Acremonium zeae</i> . <i>Journal of Biotechnology</i> , 2013, 168, 71-77.	1.9	28
30	Evaluation of a simple alkaline pretreatment for screening of sugarcane hybrids according to their in vitro digestibility. <i>Industrial Crops and Products</i> , 2013, 51, 390-395.	2.5	11
31	The effects of lignin removal and drying on the porosity and enzymatic hydrolysis of sugarcane bagasse. <i>Cellulose</i> , 2013, 20, 3165-3177.	2.4	39
32	The enzymatic recalcitrance of internodes of sugar cane hybrids with contrasting lignin contents. <i>Industrial Crops and Products</i> , 2013, 51, 202-211.	2.5	43
33	Laccase production by free and immobilized mycelia of <i>Peniophora cinerea</i> and <i>Trametes versicolor</i> : a comparative study. <i>Bioprocess and Biosystems Engineering</i> , 2013, 36, 365-373.	1.7	25
34	Recovery of <i>Peniophora cinerea</i> laccase using aqueous two-phase systems composed by ethylene oxide/propylene oxide copolymer and potassium phosphate salts. <i>Journal of Chromatography A</i> , 2013, 1321, 14-20.	1.8	26
35	Enzymatic digestion of alkaline-sulfite pretreated sugar cane bagasse and its correlation with the chemical and structural changes occurring during the pretreatment step. <i>Biotechnology Progress</i> , 2013, 29, 890-895.	1.3	20
36	Enhancement of cellulose hydrolysis in sugarcane bagasse by the selective removal of lignin with sodium chlorite. <i>Applied Energy</i> , 2013, 102, 399-402.	5.1	128

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37	Interference of some aqueous two-phase system phase-forming components in protein determination by the Bradford method. <i>Analytical Biochemistry</i> , 2012, 421, 719-724.	1.1	37
38	Alkaline sulfite/anthraquinone pretreatment followed by disk refining of <i>Pinus radiata</i> and <i>Pinus caribaea</i> wood chips for biochemical ethanol production. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 651-657.	1.6	14
39	Chemical composition and enzymatic digestibility of sugarcane clones selected for varied lignin content. <i>Biotechnology for Biofuels</i> , 2011, 4, 55.	6.2	144
40	Topochemistry, Porosity and Chemical Composition Affecting Enzymatic Hydrolysis of Lignocellulosic Materials. , 2011, , 53-72.		8
41	Optimal recovery process conditions for manganese-peroxidase obtained by solid-state fermentation of eucalyptus residue using <i>Lentinula edodes</i> . <i>Biomass and Bioenergy</i> , 2011, 35, 4040-4044.	2.9	11
42	Lignocellulosic polysaccharides and lignin degradation by wood decay fungi: the relevance of nonenzymatic Fenton-based reactions. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2011, 38, 541-555.	1.4	155
43	Characterization of commercial cellulases and their use in the saccharification of a sugarcane bagasse sample pretreated with dilute sulfuric acid. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2011, 38, 1089-1098.	1.4	26
44	A study on the pretreatment of a sugarcane bagasse sample with dilute sulfuric acid. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2011, 38, 1467-1475.	1.4	146
45	Topochemical distribution of lignin and hydroxycinnamic acids in sugar-cane cell walls and its correlation with the enzymatic hydrolysis of polysaccharides. <i>Biotechnology for Biofuels</i> , 2011, 4, 7.	6.2	83
46	Enzymatic hydrolysis of chemithermomechanically pretreated sugarcane bagasse and samples with reduced initial lignin content. <i>Biotechnology Progress</i> , 2011, 27, 395-401.	1.3	49
47	Utilization of pineapple stem juice to enhance enzyme-hydrolytic efficiency for sugarcane bagasse after an optimized pre-treatment with alkaline peroxide. <i>Applied Energy</i> , 2011, 88, 403-408.	5.1	44
48	Xylooligosaccharides Production from Alkali-Pretreated Sugarcane Bagasse Using Xylanases from <i>Thermoascus aurantiacus</i> . <i>Applied Biochemistry and Biotechnology</i> , 2010, 162, 1195-1205.	1.4	130
49	Uso de carvão ativado e resina de troca iônica para limpeza e concentração de enzimas em extratos de madeira biodegradada. <i>Acta Scientiarum - Technology</i> , 2010, 32, .	0.4	0
50	Relevância de compostos de baixa massa molar produzidos por fungos e envolvidos na biodegradação da madeira. <i>Quimica Nova</i> , 2009, 32, 1586-1595.	0.3	21
51	Biomimetic oxidative treatment of spruce wood studied by pyrolysis-molecular beam mass spectrometry coupled with multivariate analysis and ¹³ C-labeled tetramethylammonium hydroxide thermochemolysis: implications for fungal degradation of wood. <i>Journal of Biological Inorganic Chemistry</i> , 2009, 14, 1253-1263.	1.1	24
52	Biochemical properties of a β -mannanase and a β -xylanase produced by <i>Ceriporiopsis subvermispora</i> during biopulping conditions. <i>International Biodeterioration and Biodegradation</i> , 2009, 63, 191-195.	1.9	15
53	Effect of pH and oxalic acid on the reduction of Fe ³⁺ by a biomimetic chelator and on Fe ³⁺ desorption/adsorption onto wood: Implications for brown-rot decay. <i>International Biodeterioration and Biodegradation</i> , 2009, 63, 478-483.	1.9	65
54	The effect of agitation speed, enzyme loading and substrate concentration on enzymatic hydrolysis of cellulose from brewer's spent grain. <i>Cellulose</i> , 2008, 15, 711-721.	2.4	82

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55	Clean-up and concentration of manganese peroxidases recovered during the biodegradation of <i>Eucalyptus grandis</i> by <i>Ceriporiopsis subvermispora</i> . <i>Enzyme and Microbial Technology</i> , 2008, 43, 193-198.	1.6	5
56	Extraction of manganese peroxidase produced by <i>Lentinula edodes</i> . <i>Bioresource Technology</i> , 2008, 99, 2471-2475.	4.8	19
57	Effect of hemicellulose and lignin on enzymatic hydrolysis of cellulose from brewer's spent grain. <i>Enzyme and Microbial Technology</i> , 2008, 43, 124-129.	1.6	289
58	Enzymology of the thermophilic ascomycetous fungus <i>Thermoascus aurantiacus</i> . <i>Fungal Biology Reviews</i> , 2008, 22, 120-130.	1.9	29
59	Identification of iron-regulated cellular proteins, Fe ³⁺ -reducing and -chelating compounds, in the white-rot fungus <i>Perenniporia medulla-panis</i> . <i>Canadian Journal of Microbiology</i> , 2007, 53, 1323-1329.	0.8	2
60	The synergistic action of ligninolytic enzymes (MnP and Laccase) and Fe ³⁺ -reducing activity from white-rot fungi for degradation of Azure B. <i>Enzyme and Microbial Technology</i> , 2007, 42, 17-22.	1.6	52
61	The effect of a catechol chelator as a redox agent in Fenton-based reactions on degradation of lignin-model substrates and on COD removal from effluent of an ECF kraft pulp mill. <i>Journal of Hazardous Materials</i> , 2007, 141, 273-279.	6.5	28
62	Degradation and decolorization of a biodegradable-resistant polymeric dye by chelator-mediated Fenton reactions. <i>Chemosphere</i> , 2006, 63, 1764-1772.	4.2	31
63	Characterization of hemicellulases and cellulases produced by <i>Ceriporiopsis subvermispora</i> grown on wood under biopulping conditions. <i>Enzyme and Microbial Technology</i> , 2006, 38, 436-442.	1.6	43
64	Evaluation of different carbon sources for production of iron-reducing compounds by <i>Wolfiporia cocos</i> and <i>Perenniporia medulla-panis</i> . <i>Process Biochemistry</i> , 2006, 41, 887-891.	1.8	20
65	Degradation of cellulosic and hemicellulosic substrates using a chelator-mediated Fenton reaction. <i>Journal of Chemical Technology and Biotechnology</i> , 2006, 81, 413-419.	1.6	36
66	Kinetics of the solid state fermentation of sugarcane bagasse by <i>Thermoascus aurantiacus</i> for the production of xylanase. <i>Biotechnology Letters</i> , 2003, 25, 13-16.	1.1	29
67	Evaluating the basidiomycetes <i>Poria medulla-panis</i> and <i>Wolfiporia cocos</i> for xylanase production. <i>Enzyme and Microbial Technology</i> , 2001, 28, 522-526.	1.6	14
68	Detection of siderophore production from several fungi and bacteria by a modification of chrome azurol S (CAS) agar plate assay. <i>Journal of Microbiological Methods</i> , 1999, 37, 1-6.	0.7	263
69	Influence of aeration and agitation rate on the xylanase activity from <i>Penicillium janthinellum</i> . <i>Process Biochemistry</i> , 1996, 31, 141-145.	1.8	54
70	Production of xylanases from <i>Penicillium janthinellum</i> and its use in the recovery of cellulosic textile fibers. <i>Enzyme and Microbial Technology</i> , 1994, 16, 627-632.	1.6	27
71	Production of extracellular xylanases by <i>Penicillium janthinellum</i> . <i>Applied Biochemistry and Biotechnology</i> , 1994, 48, 107-116.	1.4	15
72	Characterization of xylanase production by a local isolate of <i>Penicillium janthinellum</i> . <i>Enzyme and Microbial Technology</i> , 1993, 15, 248-253.	1.6	39

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73	Efficient screening of process variables in <i>Penicillium janthinellum</i> fermentations. <i>Biotechnology Letters</i> , 1991, 13, 113-118.	1.1	8
74	Anatomic and Ultrastructural Characteristics of Different Regions of Sugar Cane Internodes Which Affect Their Response to Alkaline-Sulfite Pretreatment and Material Recalcitrance. <i>Energy & Fuels</i> , 0, , .	2.5	1
75	Hydrothermal Pretreatment as a Strategy for the Improvement of Sugarcane Bagasse Saccharification by Fungal Enzyme Blend. <i>Brazilian Archives of Biology and Technology</i> , 0, 64, .	0.5	1
76	Xylan, Xylooligosaccharides, and Aromatic Structures With Antioxidant Activity Released by Xylanase Treatment of Alkaline-Sulfite Pretreated Sugarcane Bagasse. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 10, .	2.0	4