Silvio S Da Silva

List of Publications by Year
in descending order

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Version: 2024-02-01

237 papers	7,704 citations	57631 44 h-index	79541 73 g-index
266 all docs	266 docs citations	266 times ranked	5823 citing authors

#	Article	IF	Citations
1	Biosurfactant production by Antarctic-derived yeasts in sugarcane straw hemicellulosic hydrolysate. Biomass Conversion and Biorefinery, 2023, 13, 5295-5305.	2.9	5
2	Effect of selenium uptake on growth metabolism in yeasts for the production of enriched single-cell protein using agro-industrial by-products. Biomass Conversion and Biorefinery, 2022, 12, 3975-3983.	2.9	13
3	Valorization of the sugarcane bagasse and straw hemicellulosic hydrolysate through xylitol bioproduction: effect of oxygen availability and sucrose supplementation as key factors. Biomass Conversion and Biorefinery, 2022, 12, 4901-4915.	2.9	8
4	Optimization of BmimCl pretreatment of sugarcane bagasse through combining multiple responses to increase sugar production. An approach of the kinetic model. Biomass Conversion and Biorefinery, 2022, 12, 2027-2043.	2.9	5
5	Sustainable Second-Generation Ethanol Production from Switchgrass Biomass via Co-fermentation of Pentoses and Hexoses Using Novel Wild Yeasts. Bioenergy Research, 2022, 15, 1157-1168.	2.2	6
6	Recent technical advancements in first, second and third generation ethanol production. , 2022, , 203-232.		1
7	Surfactants in biorefineries: Role, challenges & perspectives. Bioresource Technology, 2022, 345, 126477.	4.8	24
8	Repeated-batch fermentation of sugarcane bagasse hemicellulosic hydrolysate to ethanol using two xylose-fermenting yeasts. Biomass Conversion and Biorefinery, 2022, 12, 4321-4331.	2.9	2
9	Production of cellulases by Aureobasidium pullulans LB83: optimization, characterization, and hydrolytic potential for the production of cellulosic sugars. Preparative Biochemistry and Biotechnology, 2021, 51, 153-163.	1.0	16
10	Valorization of Lignocellulosic Biomass and Agri-food Processing Wastes for Production of Glucan Polymer. Waste and Biomass Valorization, 2021, 12, 2915-2931.	1.8	13
11	From by- to bioproducts: selection of a nanofiltration membrane for biotechnological xylitol purification and process optimization. Food and Bioproducts Processing, 2021, 125, 79-90.	1.8	18
12	Production of Î²-glucan exopolysaccharide lasiodiplodan by Lasiodiplodia theobromae CCT 3966 from corn bran acid hydrolysate. Applied Microbiology and Biotechnology, 2021, 105, 2319-2332.	1.7	10
13	Comparative Highly Efficient Production of Î²-glucan by Lasiodiplodia theobromae CCT 3966 and Its Multiscale Characterization. Fermentation, 2021, 7, 108.	1.4	4
14	Techno-Economic-Environmental Analysis of Sophorolipid Biosurfactant Production from Sugarcane Bagasse. Industrial & Engineering Chemistry Research, 2021, 60, 9833-9850.	1.8	16
15	Fermentative Production of Lasiodiplodan by Lasiodiplodia theobromae CCT3966 from Pretreated Sugarcane Straw. Sustainability, 2021, 13, 9697.	1.6	2
16	Effect of thermally assisted hydrodynamic cavitation (HC) processing on physical, nutritional, microbial quality, and pectin methyl esterase (PME) inactivation kinetics in orange juice at different time and temperatures. Journal of Food Processing and Preservation, 2021, 45, e15794.	0.9	12
17	Interaction of an acidic sophorolipid biosurfactant with phosphatidylcholine model membranes. Colloids and Surfaces B: Biointerfaces, 2021, 207, 112029.	2.5	7
18	Simplified configuration for conversion of sugars from sugarcane bagasse into ethanol. Bioresource Technology Reports, 2021, 16, 100835.	1.5	2

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19	Production of fungal and bacterial pigments and their applications. , 2020, , 327-361.		26
20	Comparative data on effects of alkaline pretreatments and enzymatic hydrolysis on bioemulsifier production from sugarcane straw by Cutaneotrichosporon mucoides. Bioresource Technology, 2020, 301, 122706.	4.8	17
21	Hydrodynamic cavitation-assisted continuous pre-treatment of sugarcane bagasse for ethanol production: Effects of geometric parameters of the cavitation device. Ultrasonics Sonochemistry, 2020, 63, 104931.	3.8	33
22	Comparative study of cellulosic sugars production from sugarcane bagasse after dilute nitric acid, dilute sodium hydroxide and sequential nitric acid-sodium hydroxide pretreatment. Biomass Conversion and Biorefinery, 2020, 10, 813-822.	2.9	34
23	Pretreatment of sugarcane bagasse using two different acid-functionalized magnetic nanoparticles: A novel approach for high sugar recovery. Renewable Energy, 2020, 150, 957-964.	4.3	41
24	Agroindustrial Byproducts for the Generation of Biobased Products: Alternatives for Sustainable Biorefineries. Frontiers in Energy Research, 2020, 8, .	1.2	62
25	Bioresources and their significance. , 2020, , 3-40.		3
26	A New Approach for the Production of Selenium-Enriched and Probiotic Yeast Biomass from Agro-Industrial by-Products in a Stirred-Tank Bioreactor. Metabolites, 2020, 10, 508.	1.3	3
27	Application of Metal Oxide Nanostructures as Heterogeneous Catalysts for Biodiesel Production. ACS Symposium Series, 2020, , 261-289.	0.5	4
28	Acid-functionalized magnetic nanocatalysts mediated pretreatment of sugarcane straw: an eco-friendly and cost-effective approach. Cellulose, 2020, 27, 7067-7078.	2.4	21
29	Utilization of sugarcane straw for production of Î²-glucan biopolymer by Lasiodiplodia theobromae CCT 3966 in batch fermentation process. Bioresource Technology, 2020, 314, 123716.	4.8	22
30	Advances in Nanocatalysts Mediated Biodiesel Production: A Critical Appraisal. Symmetry, 2020, 12, 256.	1.1	66
31	Production and purification of xylitol by Scheffersomyces amazonenses via sugarcane hemicellulosic hydrolysate. Biofuels, Bioproducts and Biorefining, 2020, 14, 344-356.	1.9	21
32	Catalytic hydrolysis of cellobiose using different acidâ€functionalised Fe 3 O 4 magnetic nanoparticles. IET Nanobiotechnology, 2020, 14, 40-46.	1.9	8
33	Biogas in Circular Bio-Economy: Sustainable Practice for Rural Farm Waste Management and Techno-economic Analyses. , 2020, , 389-414.		2
34	Emerging role of nanobiocatalysts in hydrolysis of lignocellulosic biomass leading to sustainable bioethanol production. Catalysis Reviews - Science and Engineering, 2019, 61, 1-26.	5.7	86
35	Continuous cultivation of Chlorella minutissima 26a in a tube-cylinder internal-loop airlift photobioreactor to support 3G biorefineries. Renewable Energy, 2019, 130, 439-445.	4.3	15
36	Xylitol bioproduction: state-of-the-art, industrial paradigm shift, and opportunities for integrated biorefineries. Critical Reviews in Biotechnology, 2019, 39, 924-943.	5.1	93

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37	Pretreatment of sugarcane bagasse using hydrodynamic cavitation technology: Semi-continuous and continuous process. Bioresource Technology, 2019, 290, 121777.	4.8	22
38	Biofuel Production from Sugarcane in Brazil. , 2019, , 99-121.		6
39	Low-pressure homogenization of tomato juice using hydrodynamic cavitation technology: Effects on physical properties and stability of bioactive compounds. Ultrasonics Sonochemistry, 2019, 54, 192-197.	3.8	37
40	Extracellular L-asparaginase production in solid-state fermentation by using sugarcane bagasse as support material. Preparative Biochemistry and Biotechnology, 2019, 49, 328-333.	1.0	6
41	Overcoming challenges in lignocellulosic biomass pretreatment for second-generation (2G) sugar production: emerging role of nano, biotechnological and promising approaches. 3 Biotech, 2019, 9, 230.	1.1	39
42	Continuous cultivation of Chlorella minutissima 26a in landfill leachate-based medium using concentric tube airlift photobioreactor. Algal Research, 2019, 41, 101549.	2.4	10
43	Bioethanol Production From Sugarcane Bagasse Hemicellulose Hydrolysate by Immobilized S. shehatae in a Fluidized Bed Fermenter Under Magnetic Field. Bioenergy Research, 2019, 12, 338-346.	2.2	20
44	Repeated batches as a feasible industrial process for hemicellulosic ethanol production from sugarcane bagasse by using immobilized yeast cells. Cellulose, 2019, 26, 3787-3800.	2.4	20
45	Biosurfactants production by yeasts using sugarcane bagasse hemicellulosic hydrolysate as new sustainable alternative for lignocellulosic biorefineries. Industrial Crops and Products, 2019, 129, 212-223.	2.5	77
46	New trends in application of nanotechnology for the pretreatment of lignocellulosic biomass. Biofuels, Bioproducts and Biorefining, 2019, 13, 776-788.	1.9	44
47	Exopolysaccharide (pullulan) production from sugarcane bagasse hydrolysate aiming to favor the development of biorefineries. International Journal of Biological Macromolecules, 2019, 127, 169-177.	3.6	53
48	Pretreatment of Sugarcane Bagasse from Cane Hybrids: Effects on Chemical Composition and 2G Sugars Recovery. Waste and Biomass Valorization, 2019, 10, 1561-1570.	1.8	24
49	Immobilized Nanoparticles-Mediated Enzymatic Hydrolysis of Cellulose for Clean Sugar Production: A Novel Approach. Current Nanoscience, 2019, 15, 296-303.	0.7	24
50	A new approach for bioethanol production from sugarcane bagasse using hydrodynamic cavitation assisted-pretreatment and column reactors. Ultrasonics Sonochemistry, 2018, 43, 219-226.	3.8	41
51	Unveiling 3D physicochemical changes of sugarcane bagasse during sequential acid/alkali pretreatments by synchrotron phase-contrast imaging. Industrial Crops and Products, 2018, 114, 19-27.	2.5	6
52	A novel process intensification strategy for second-generation ethanol production from sugarcane bagasse in fluidized bed reactor. Renewable Energy, 2018, 124, 189-196.	4.3	27
53	Hydrodynamic cavitation as a strategy to enhance the efficiency of lignocellulosic biomass pretreatment. Critical Reviews in Biotechnology, 2018, 38, 483-493.	5.1	61
54	Sugarcane bagasse hydrolysate as a potential feedstock for red pigment production by Monascus ruber. Food Chemistry, 2018, 245, 786-791.	4.2	65

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55	The path forward for lignocellulose biorefineries: Bottlenecks, solutions, and perspective on commercialization. Bioresource Technology, 2018, 264, 370-381.	4.8	420
56	Copper and copper nanoparticles: role in management of insect-pests and pathogenic microbes. Nanotechnology Reviews, 2018, 7, 303-315.	2.6	111
57	Enhancement of antioxidant properties from green coffee as promising ingredient for food and cosmetic industries. Biocatalysis and Agricultural Biotechnology, 2018, 16, 43-48.	1.5	28
58	Nanotechnology-Based Developments in Biofuel Production: Current Trends and Applications. , 2018, , 289-305.		1
59	Beyond Ethanol: Contribution of Various Bioproducts to Enhance the Viability of Biorefineries. , 2018, , 155-176.		0
60	Bioconversion of Hemicellulose Into Ethanol and Value-Added Products. , 2018, , 97-134.		24
61	Low-melanin containing pullulan production from sugarcane bagasse hydrolysate by Aureobasidium pullulans in fermentations assisted by light-emitting diode. Bioresource Technology, 2017, 230, 76-81.	4.8	39
62	Enhanced Production of Xylitol from Poplar Wood Hydrolysates Through a Sustainable Process Using Immobilized New Strain Candida tropicalis UFMG BX 12-a. Applied Biochemistry and Biotechnology, 2017, 182, 1053-1064.	1.4	22
63	Membranes as a tool to support biorefineries: Applications in enzymatic hydrolysis, fermentation and dehydration for bioethanol production. Renewable and Sustainable Energy Reviews, 2017, 74, 873-890.	8.2	71
64	Optimization of lignin recovery from sugarcane bagasse using ionic liquid aided pretreatment. Cellulose, 2017, 24, 3191-3207.	2.4	63
65	Biosurfactant production by Aureobasidium pullulans in stirred tank bioreactor: New approach to understand the influence of important variables in the process. Bioresource Technology, 2017, 243, 264-272.	4.8	40
66	Hydrodynamic cavitation as an efficient pretreatment method for lignocellulosic biomass: A parametric study. Bioresource Technology, 2017, 235, 301-308.	4.8	45
67	Organosolv Pretreatment of Sugar Cane Bagasse for Bioethanol Production. Industrial & Engineering Chemistry Research, 2017, 56, 3833-3838.	1.8	22
68	Role of Nanoparticles in Enzymatic Hydrolysis of Lignocellulose in Ethanol. Green Chemistry and Sustainable Technology, 2017, , 153-171.	0.4	5
69	Comparative evaluation of free and immobilized cellulase for enzymatic hydrolysis of lignocellulosic biomass for sustainable bioethanol production. Cellulose, 2017, 24, 5529-5540.	2.4	87
70	Hemicellulosic Ethanol Production in Fluidized Bed Reactor from Sugar Cane Bagasse Hydrolysate: Interplay among Carrier Concentration and Aeration Rate. ACS Sustainable Chemistry and Engineering, 2017, 5, 8250-8259.	3.2	13
71	Production of bioethanol in sugarcane bagasse hemicellulosic hydrolysate byScheffersomyces parashehatae,Scheffersomyces illinoinensisandSpathaspora arborariaeisolated from Brazilian ecosystems. Journal of Applied Microbiology, 2017, 123, 1203-1213.	1.4	17
72	Ethanol production in a simultaneous saccharification and fermentation process with interconnected reactors employing hydrodynamic cavitation-pretreated sugarcane bagasse as raw material. Bioresource Technology, 2017, 243, 652-659.	4.8	50

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73	Biosurfactants produced by Scheffersomyces stipitis cultured in sugarcane bagasse hydrolysate as new green larvicides for the control of Aedes aegypti, a vector of neglected tropical diseases. PLoS ONE, 2017, 12, e0187125.	1.1	34
74	Bioenergy and Biofuels: Nanotechnological Solutions for Sustainable Production. Green Chemistry and Sustainable Technology, 2017, , 3-18.	0.4	24
75	Biotechnological Production of Xylitol from Biomass. Biofuels and Biorefineries, 2017, , 311-342.	0.5	6
76	Cellulase Production by Trichosporon laibachii. Orbital, 2017, 9, .	0.1	6
77	Hydrodynamic cavitation-assisted alkaline pretreatment as a new approach for sugarcane bagasse biorefineries. Bioresource Technology, 2016, 214, 609-614.	4.8	67
78	Nanotechnology based anti-infectives to fight microbial intrusions. Journal of Applied Microbiology, 2016, 120, 527-542.	1.4	36
79	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.	1.8	20
80	Screening of Yeasts for Selection of Potential Strains and Their Utilization for In Situ Microbial Detoxification (ISMD) of Sugarcane Bagasse Hemicellulosic Hydrolysate. Indian Journal of Microbiology, 2016, 56, 172-181.	1.5	13
81	Current applications and different approaches for microbial l-asparaginase production. Brazilian Journal of Microbiology, 2016, 47, 77-85.	0.8	136
82	Recent Advances in Sustainable Production and Application of Biosurfactants in Brazil and Latin America. Industrial Biotechnology, 2016, 12, 31-39.	0.5	25
83	Strategic role of nanotechnology for production of bioethanol and biodiesel. Nanotechnology Reviews, 2016, 5, .	2.6	75
84	Successive pretreatment and enzymatic saccharification of sugarcane bagasse in a packed bed flow-through column reactor aiming to support biorefineries. Bioresource Technology, 2016, 203, 42-49.	4.8	34
85	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.	4.3	48
86	Hemicellulosic Ethanol Production by Immobilized Wild Brazilian Yeast Scheffersomyces shehatae UFMG-HM 52.2: Effects of Cell Concentration and Stirring Rate. Current Microbiology, 2016, 72, 133-138.	1.0	18
87	By Passing Microbial Resistance: Xylitol Controls Microorganisms Growth by Means of Its Anti-Adherence Property. Current Pharmaceutical Biotechnology, 2015, 16, 35-42.	0.9	13
88	Hemicellulosic ethanol production by immobilized cells ofScheffersomyces stipitis: Effect of cell concentration and stirring. Bioengineered, 2015, 6, 26-32.	1.4	12
89	Xylitol production by yeasts isolated from rotting wood in the GalÃ¡pagos Islands, Ecuador, and description of Cyberlindnera galapagoensis f.a., sp. nov.. Antonie Van Leeuwenhoek, 2015, 108, 919-931.	0.7	27
90	Biodelignification of lignocellulose substrates: An intrinsic and sustainable pretreatment strategy for clean energy production. Critical Reviews in Biotechnology, 2015, 35, 281-293.	5.1	56

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91	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.	1.1	23
92	New cultive medium for bioconversion of C5 fraction from sugarcane bagasse using rice bran extract. Brazilian Journal of Microbiology, 2014, 45, 1469-1475.	0.8	10
93	Bioethanol Production from Sugarcane Bagasse by a Novel Brazilian Pentose Fermenting YeastScheffersomyces shehataeUFMG-HM 52.2: Evaluation of Fermentation Medium. International Journal of Chemical Engineering, 2014, 2014, 1-8.	1.4	49
94	Evaluation of Rice Bran Extract as a Nitrogen Source for Improved Hemicellulosic Ethanol Production from Sugarcane Bagasse by New Xylose-Fermenting Yeast Strains Isolated from Brazilian Forests. Sugar Tech, 2014, 16, 1-8.	0.9	18
95	Techno-Economic Analysis of Second-Generation Ethanol in Brazil: Competitive, Complementary Aspects with First-Generation Ethanol. , 2014, , 1-29.		3
96	Multi-scale structural and chemical analysis of sugarcane bagasse in the process of sequential acidâ€“base pretreatment and ethanol production by Scheffersomyces shehatae and Saccharomyces cerevisiae. Biotechnology for Biofuels, 2014, 7, 63.	6.2	134
97	Unraveling the structure of sugarcane bagasse after soaking in concentrated aqueous ammonia (SCAA) and ethanol production by Scheffersomyces (Pichia) stipitis. Biotechnology for Biofuels, 2013, 6, 102.	6.2	37
98	Fermentative production of ribonucleotides from whey by Kluyveromyces marxianus: effect of temperature and pH. Journal of Food Science and Technology, 2013, 50, 958-964.	1.4	11
99	Repeated Batch Cell-Immobilized System for the Biotechnological Production of Xylitol as a Renewable Green Sweetener. Applied Biochemistry and Biotechnology, 2013, 169, 2101-2110.	1.4	21
100	Evaluation of novel xylose-fermenting yeast strains from Brazilian forests for hemicellulosic ethanol production from sugarcane bagasse. 3 Biotech, 2013, 3, 345-352.	1.1	18
101	Rice bran extract: an inexpensive nitrogen source for the production of 2G ethanol from sugarcane bagasse hydrolysate. 3 Biotech, 2013, 3, 373-379.	1.1	16
102	Ultra-structural mapping of sugarcane bagasse after oxalic acid fiber expansion (OAFEX) and ethanol production by Candida shehatae and Saccharomyces cerevisiae. Biotechnology for Biofuels, 2013, 6, 4.	6.2	49
103	Pretreatment of Sugarcane Bagasse and Leaves: Unlocking the Treasury of â€œGreen Currencyâ€• Green Energy and Technology, 2013, , 369-391.	0.4	2
104	Detoxification of Lignocellulose Hydrolysates: Biochemical and Metabolic Engineering Toward White Biotechnology. Bioenergy Research, 2013, 6, 388-401.	2.2	174
105	Enzymatic saccharification of acidâ€“alkali pretreated sugarcane bagasse using commercial enzyme preparations. Journal of Chemical Technology and Biotechnology, 2013, 88, 1266-1272.	1.6	30
106	Immobilization of Scheffersomyces stipitis cells with calcium alginate beads: A sustainable method for hemicellulosic ethanol production from sugarcane bagasse hydrolysate. Bioethanol, 2013, 1, .	1.2	5
107	Sequential Acid-Base Pretreatment of Sugarcane Bagasse: A Facile Method for the Sugars Recovery After Enzymatic Hydrolysis. Journal of Bioprocess Engineering and Biorefinery, 2013, 2, 11-19.	0.2	2
108	Fermentative Production of Value-Added Products from Lignocellulosic Biomass. Journal of Biomedicine and Biotechnology, 2012, 2012, 1-2.	3.0	9

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109	Bioconversion of Sugarcane Biomass into Ethanol: An Overview about Composition, Pretreatment Methods, Detoxification of Hydrolysates, Enzymatic Saccharification, and Ethanol Fermentation. Journal of Biomedicine and Biotechnology, 2012, 2012, 1-15.	3.0	372
110	Diversity and Physiological Characterization of D-Xylose-Fermenting Yeasts Isolated from the Brazilian Amazonian Forest. PLoS ONE, 2012, 7, e43135.	1.1	106
111	The realm of cellulases in biorefinery development. Critical Reviews in Biotechnology, 2012, 32, 187-202.	5.1	176
112	Detoxification Strategies Applied to Lignocellulosic Hydrolysates for Improved Xylitol Production. , 2012, , 63-82.		7
113	Enzymatic Production of Xylitol: Current Status and Future Perspectives. , 2012, , 193-204.		4
114	Medical Applications of Xylitol: An Appraisal. , 2012, , 325-342.		1
115	Dilute Acid Hydrolysis of Agro-Residues for the Depolymerization of Hemicellulose: State-of-the-Art. , 2012, , 39-61.		29
116	Biotechnological Utilization of Biodiesel-Derived Glycerol for the Production of Ribonucleotides and Microbial Biomass. Applied Biochemistry and Biotechnology, 2012, 167, 2054-2067.	1.4	7
117	Sugarcane bagasse and leaves: foreseeable biomass of biofuel and bioâ€products. Journal of Chemical Technology and Biotechnology, 2012, 87, 11-20.	1.6	301
118	Statistical Optimization of Sugarcane Leaves Hydrolysis into Simple Sugars by Dilute Sulfuric Acid Catalyzed Process. Sugar Tech, 2012, 14, 53-60.	0.9	44
119	In vitro inhibition of adhesion of Escherichia coli strains by Xylitol. Brazilian Archives of Biology and Technology, 2011, 54, 235-241.	0.5	8
120	A percepÃ§Ã£o dos adolescentes acerca do Ã¡lcool e outras drogas no contexto familiar. SMAD Revista EletrÃ´nica SaÃºde Mental Ã¡lcool E Drogas (EdiÃ§Ã£o Em PortuguÃªs), 2011, 7, 148.	0.0	2
121	In vitro inhibition of Pseudomonas aeruginosa adhesion by Xylitol. Brazilian Archives of Biology and Technology, 2011, 54, 877-884.	0.5	9
122	Xylitol inhibits J774A.1 macrophage adhesion in vitro. Brazilian Archives of Biology and Technology, 2011, 54, 1211-1216.	0.5	4
123	Tecnologia supercrÃtica como uma alternativa para purificar xilitol biotecnolÃ³gico. Semina:Ciencias Agrarias, 2011, 32, 621-632.	0.1	2
124	Biological detoxification of different hemicellulosic hydrolysates using Issatchenkia occidentalis CCTCC M 206097 yeast. Journal of Industrial Microbiology and Biotechnology, 2011, 38, 199-207.	1.4	53
125	A study on the pretreatment of a sugarcane bagasse sample with dilute sulfuric acid. Journal of Industrial Microbiology and Biotechnology, 2011, 38, 1467-1475.	1.4	146
126	Ethanol production by a new pentoseâ€fermenting yeast strain, Scheffersomyces stipitis UFMGâ€IMH 43.2, isolated from the Brazilian forest. Yeast, 2011, 28, 547-554.	0.8	41

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127	Cellulases production by new yeast isolates from Brazilian biodiversity. Current Opinion in Biotechnology, 2011, 22, S147-S148.	3.3	2
128	Setting the pace for bioethanol development with Brazil. Current Opinion in Biotechnology, 2011, 22, S148.	3.3	0
129	A novel use for sugarcane bagasse hemicellulosic fraction: Xylitol enzymatic production. Biomass and Bioenergy, 2011, 35, 3241-3246.	2.9	39
130	Membrane Extraction for Biofuel Production. Membrane Science and Technology, 2011, 14, 213-233.	0.5	3
131	Effect of Dissolved Oxygen and Inoculum Concentration on Xylose Reductase Production from <i>Candida guilliermondii</i> Using Sugarcane Bagasse Hemicellulosic Hydrolysate. Food and Nutrition Sciences (Print), 2011, 02, 235-240.	0.2	5
132	Synergistic antimicrobial activity among hydroalcoholic extract of leaves of trees in the Brazilian territory common. , 2010, , .		0
133	Contribution of Tris Buffer on Xylitol Enzymatic Production. Applied Biochemistry and Biotechnology, 2010, 162, 1558-1563.	1.4	3
134	Application of Response Surface Methodology for Optimization of Xylitol Production from Lignocellulosic Hydrolysate in a Fluidized Bed Reactor. Chemical Engineering and Technology, 2010, 33, 1481-1487.	0.9	10
135	InibiÃ§Ã£o in vitro da aderÃªncia de enteropatÃ³genos pelo xilitol. Revista De CiÃªncias MÃ©dicas E BiolÃ³gicas, 2010, 9, 46.	0.0	1
136	Production of Cellulolytic Enzymes by Anaerobic Fungi Cultivated in Different Conditions. International Journal of Food Engineering, 2009, 5, .	0.7	1
137	An Evaluation of Different Bioreactor Configurations with Immobilized Yeast for Bioethanol Production. International Journal of Chemical Reactor Engineering, 2009, 6, .	0.6	6
138	Profiles of xylose reductase, xylitol dehydrogenase and xylitol production under different oxygen transfer volumetric coefficient values. Journal of Chemical Technology and Biotechnology, 2009, 84, 326-330.	1.6	26
139	Performance of Ca-alginate immobilization support in repeated batch fermentation process for xylitol production using fluidized bed reactor. New Biotechnology, 2009, 25, S221.	2.4	0
140	Novel Isolates for Biological Detoxification of Lignocellulosic Hydrolysate. Applied Biochemistry and Biotechnology, 2009, 152, 199-212.	1.4	32
141	PVA-Hydrogel Entrapped Candida Guilliermondii for Xylitol Production from Sugarcane Hemicellulose Hydrolysate. Applied Biochemistry and Biotechnology, 2009, 157, 527-537.	1.4	25
142	Biotechnological Production of Xylitol: Enhancement of Monosaccharide Production by Post-Hydrolysis of Dilute Acid Sugarcane Hydrolysate. Applied Biochemistry and Biotechnology, 2009, 153, 163-170.	1.4	18
143	Integration of microbiological treatment with immobilized cells and advanced oxidation process for residues originated by the textile industry. New Biotechnology, 2009, 25, S162.	2.4	0
144	Development of biotechnological processes using glycerol from biodiesel production. , 2009, , .		5

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145	Growth of Kluyveromyces marxianus yeasts strains in deproteined whey obtained from dairy industry. , 2009, , .		1
146	In vitro mechanism of xylitol action against Staphylococcus aureus ATCC 25923. , 2009, , .		2
147	Use The Solid Fermentation as a New and Alternative Way for Xylitol Bioproduction. , 2009, , .		0
148	Semi-continuous xylose-to-xylitol bioconversion by Ca-alginate entrapped yeast cells in a stirred tank reactor. Bioprocess and Biosystems Engineering, 2008, 31, 493-498.	1.7	25
149	Evaluation of hydrodynamic parameters of a fluidized-bed reactor with immobilized yeast. Journal of Chemical Technology and Biotechnology, 2008, 83, 576-580.	1.6	5
150	Use of sugarcane bagasse as biomaterial for cell immobilization for xylitol production. Journal of Food Engineering, 2008, 86, 542-548.	2.7	80
151	Xylitol Production from Sugarcane Bagasse Hydrolyzate in Fluidized Bed Reactor. Effect of Air Flowrate. Biotechnology Progress, 2008, 19, 1210-1215.	1.3	31
152	Leishmania amazonensis: Xylitol as inhibitor of macrophage infection and stimulator of macrophage nitric oxide production. Experimental Parasitology, 2008, 119, 74-79.	0.5	10
153	Evaluation of the Performance of a Three-Phase Fluidized Bed Reactor with Immobilized Yeast Cells for the Biotechnological Production of Xylitol. International Journal of Chemical Reactor Engineering, 2008, 6, .	0.6	8
154	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
155	Technical/Economical Evaluation of Sugarcane Bagasse Hydrolysis for Bioethanol Production. Chemical Engineering and Technology, 2007, 30, 270-275.	0.9	15
156	Biotechnological production of xylitol in a three-phase fluidized bed bioreactor with immobilized yeast cells in Ca-alginate beads. Biotechnology Journal, 2007, 2, 759-763.	1.8	22
157	Cell immobilization and xylitol production using sugarcane bagasse as raw material. Applied Biochemistry and Biotechnology, 2007, 141, 215-227.	1.4	31
158	Repeated-Batch Xylitol Bioproduction Using Yeast Cells Entrapped in Polyvinyl Alcoholâ€“Hydrogel. Current Microbiology, 2007, 54, 91-96.	1.0	23
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