

Solange Inês Mussatto

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

190
papers

11,137
citations

50
h-index

101
g-index

206
ext. papers

12,813
ext. citations

6
avg, IF

6.89
L-index

#	Paper	IF	Citations
190	Bacteriocin-like inhibitory substances production by <i>Enterococcus faecium</i> 135 in co-culture with <i>Ligilactobacillus salivarius</i> and <i>Limosilactobacillus reuteri</i> .. <i>Brazilian Journal of Microbiology</i> , 2022 , 53, 131	2.2	3
189	Subcritical water hydrolysis of poultry feathers for amino acids production. <i>Journal of Supercritical Fluids</i> , 2022 , 181, 105492	4.2	0
188	Scaling up xylitol bioproduction: Challenges to achieve a profitable bioprocess. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 154, 111789	16.2	5
187	Valorization of <i>Pinus taeda</i> hemicellulosic hydrolysate for the production of value-added compounds in an ethanol biorefinery. <i>Fuel</i> , 2022 , 318, 123489	7.1	1
186	Model development for the optimization of operational conditions of the pretreatment of wheat straw. <i>Chemical Engineering Journal</i> , 2021 , 430, 133106	14.7	0
185	Brazilian biorefineries from second generation biomass: critical insights from industry and future perspectives. <i>Biofuels, Bioproducts and Biorefining</i> , 2021 , 15, 1190	5.3	8
184	Techno-economic assessment of bioenergy and fertilizer production by anaerobic digestion of brewer's spent grains in a biorefinery concept. <i>Journal of Cleaner Production</i> , 2021 , 297, 126600	10.3	24
183	A spatially explicit assessment of sugarcane vinasse as a sustainable by-product. <i>Science of the Total Environment</i> , 2021 , 765, 142717	10.2	11
182	Xylanase pretreatment of energy cane enables facile cellulose nanocrystal isolation. <i>Cellulose</i> , 2021 , 28, 799-812	5.5	3
181	Bioprocess intensification: Cases that (don't) work. <i>New Biotechnology</i> , 2021 , 61, 108-115	6.4	3
180	A critical assessment of the Flory-Huggins (FH) theory to predict aqueous two-phase behaviour. <i>Separation and Purification Technology</i> , 2021 , 255, 117636	8.3	2
179	Strategies for an improved extraction and separation of lipids and carotenoids from oleaginous yeast. <i>Separation and Purification Technology</i> , 2021 , 257, 117946	8.3	16
178	Preparation and properties of biodegradable cat litter produced from cassava (<i>Manihot esculenta</i> L. Crantz) trunk. <i>E3S Web of Conferences</i> , 2021 , 302, 02017	0.5	
177	Adaptive laboratory evolution of <i>Rhodospiridium toruloides</i> to inhibitors derived from lignocellulosic biomass and genetic variations behind evolution. <i>Bioresource Technology</i> , 2021 , 333, 125171	11	14
176	Production of xylitol and carotenoids from switchgrass and <i>Eucalyptus globulus</i> hydrolysates obtained by intensified steam explosion pretreatment. <i>Industrial Crops and Products</i> , 2021 , 170, 113800	5.9	12
175	Effects of inhibitory compounds derived from lignocellulosic biomass on the growth of the wild-type and evolved oleaginous yeast <i>Rhodospiridium toruloides</i> . <i>Industrial Crops and Products</i> , 2021 , 170, 113799	5.9	7
174	Maximizing the simultaneous production of lipids and carotenoids by <i>Rhodospiridium toruloides</i> from wheat straw hydrolysate and perspectives for large-scale implementation. <i>Bioresource Technology</i> , 2021 , 340, 125598	11	3

173	Techno-economic assessment of subcritical water hydrolysis process for sugars production from brewer's spent grains. <i>Industrial Crops and Products</i> , 2021 , 171, 113836	5.9	6
172	Properties and volatile profile of process flavorings prepared from d-xylose with glycine, alanine or valine by direct extrusion method. <i>Food Bioscience</i> , 2021 , 44, 101371	4.9	1
171	New trends in bioprocesses for lignocellulosic biomass and CO ₂ utilization. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 152, 111620	16.2	7
170	Effects of Inhibitory Compounds Present in Lignocellulosic Biomass Hydrolysates on the Growth of <i>Bacillus subtilis</i> . <i>Energies</i> , 2021 , 14, 8419	3.1	0
169	A comprehensive review of engineered biochar: Production, characteristics, and environmental applications. <i>Journal of Cleaner Production</i> , 2020 , 270, 122462	10.3	97
168	Synthesis and Application of Heterogeneous Catalysts Based on Heteropolyacids for 5-Hydroxymethylfurfural Production from Glucose. <i>Energies</i> , 2020 , 13, 655	3.1	12
167	Innovation and strategic orientations for the development of advanced biorefineries. <i>Bioresource Technology</i> , 2020 , 302, 122847	11	92
166	Production of Itaconic Acid from Cellulose Pulp: Feedstock Feasibility and Process Strategies for an Efficient Microbial Performance. <i>Energies</i> , 2020 , 13, 1654	3.1	15
165	Ethanol Production from High Solid Loading of Rice Straw by Simultaneous Saccharification and Fermentation in a Non-Conventional Reactor. <i>Energies</i> , 2020 , 13, 2090	3.1	13
164	Exploiting new biorefinery models using non-conventional yeasts and their implications for sustainability. <i>Bioresource Technology</i> , 2020 , 309, 123374	11	17
163	Lipid and carotenoid production from wheat straw hydrolysates by different oleaginous yeasts. <i>Journal of Cleaner Production</i> , 2020 , 249, 119308	10.3	34
162	Surrogate Modelling Based Uncertainty and Sensitivity Analysis for the Downstream Process Design of a Xylitol Biorefinery. <i>Computer Aided Chemical Engineering</i> , 2020 , 1663-1668	0.6	2
161	An overview of subcritical and supercritical water treatment of different biomasses for protein and amino acids production and recovery. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104406	6.8	15
160	L-asparaginase Production by in a Bench-Scale Bioreactor With Co-production of Lipids. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 576511	5.8	2
159	Enzymatic Hydrolysis of Sugarcane Bagasse in Aqueous Two-Phase Systems (ATPS): Exploration and Conceptual Process Design. <i>Frontiers in Chemistry</i> , 2020 , 8, 587	5	2
158	Production of 5-Hydroxymethylfurfural from Direct Conversion of Cellulose Using Heteropolyacid/Nb ₂ O ₅ as Catalyst. <i>Catalysts</i> , 2020 , 10, 1417	4	4
157	Isolation and physicochemical characterization of different lignin streams generated during the second-generation ethanol production process. <i>International Journal of Biological Macromolecules</i> , 2019 , 129, 497-510	7.9	14
156	A robotic platform to screen aqueous two-phase systems for overcoming inhibition in enzymatic reactions. <i>Bioresource Technology</i> , 2019 , 280, 37-50	11	7

155	Integration of subcritical water pretreatment and anaerobic digestion technologies for valorization of aβi processing industries residues. <i>Journal of Cleaner Production</i> , 2019 , 228, 1131-1142	10.3	32
154	Green synthesis of silver nanoparticles using acacia lignin, their cytotoxicity, catalytic, metal ion sensing capability and antibacterial activity. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 103296	6.8	60
153	Production of biofuel precursors and value-added chemicals from hydrolysates resulting from hydrothermal processing of biomass: A review. <i>Biomass and Bioenergy</i> , 2019 , 130, 105397	5.3	34
152	Pretreatment of switchgrass by steam explosion in a semi-continuous pre-pilot reactor. <i>Biomass and Bioenergy</i> , 2019 , 121, 41-47	5.3	26
151	Production of a Transfructosylating Enzymatic Activity Associated to Fructooligosaccharides. <i>Energy, Environment, and Sustainability</i> , 2019 , 345-355	0.8	3
150	Fructo-oligosaccharides (FOS) production by fungal submerged culture using aguamiel as a low-cost by-product. <i>LWT - Food Science and Technology</i> , 2019 , 102, 75-79	5.4	13
149	Ethanol Production from Brewers Spent Grain Pretreated by Dilute Phosphoric Acid. <i>Energy & Fuels</i> , 2018 , 32, 5226-5233	4.1	35
148	Waste Management Strategies; the State of the Art. <i>Biofuel and Biorefinery Technologies</i> , 2018 , 1-33	1	4
147	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	2.8	2
146	Integrated 1st and 2nd generation sugarcane bio-refinery for jet fuel production in Brazil: Techno-economic and greenhouse gas emissions assessment. <i>Renewable Energy</i> , 2018 , 129, 733-747	8.1	47
145	Xylitol production by <i>Debaryomyces hansenii</i> and <i>Candida guilliermondii</i> from rapeseed straw hemicellulosic hydrolysate. <i>Bioresource Technology</i> , 2018 , 247, 736-743	11	61
144	Synthesis and characterization of silver nanoparticles loaded poly(vinyl alcohol)-lignin electrospun nanofibers and their antimicrobial activity. <i>International Journal of Biological Macromolecules</i> , 2018 , 120, 763-767	7.9	74
143	Start-up phase of a two-stage anaerobic co-digestion process: hydrogen and methane production from food waste and vinasse from ethanol industry. <i>Biofuel Research Journal</i> , 2018 , 5, 813-820	13.9	28
142	Hydrodynamic cavitation as a strategy to enhance the efficiency of lignocellulosic biomass pretreatment. <i>Critical Reviews in Biotechnology</i> , 2018 , 38, 483-493	9.4	44
141	Sugarcane bagasse hydrolysate as a potential feedstock for red pigment production by <i>Monascus ruber</i> . <i>Food Chemistry</i> , 2018 , 245, 786-791	8.5	41
140	Production and physicochemical properties of carboxymethyl cellulose films enriched with spent coffee grounds polysaccharides. <i>International Journal of Biological Macromolecules</i> , 2018 , 106, 647-655	7.9	44
139	Increasing the Sustainability of the Coffee Agro-Industry: Spent Coffee Grounds as a Source of New Beverages. <i>Beverages</i> , 2018 , 4, 105	3.4	18
138	Evaluation of different pretreatment strategies for protein extraction from brewer's spent grains. <i>Industrial Crops and Products</i> , 2018 , 125, 443-453	5.9	41

137	Advances and opportunities in biomass conversion technologies and biorefineries for the development of a bio-based economy. <i>Biomass and Bioenergy</i> , 2018 , 119, 54-60	5.3	83
136	Anaerobic digestion process: technological aspects and recent developments. <i>International Journal of Environmental Science and Technology</i> , 2018 , 15, 2033-2046	3.3	41
135	Development of an acetic acid tolerant <i>Spathaspora passalidarum</i> strain through evolutionary engineering with resistance to inhibitors compounds of autohydrolysate of <i>Eucalyptus globulus</i> . <i>Industrial Crops and Products</i> , 2017 , 106, 5-11	5.9	26
134	Encapsulation of antioxidant phenolic compounds extracted from spent coffee grounds by freeze-drying and spray-drying using different coating materials. <i>Food Chemistry</i> , 2017 , 237, 623-631	8.5	197
133	Hyaluronidase-inhibitory activities of glycosaminoglycans from <i>Liparis tessellatus</i> eggs. <i>Carbohydrate Polymers</i> , 2017 , 161, 16-20	10.3	7
132	Alkaline deacetylation as a strategy to improve sugars recovery and ethanol production from rice straw hemicellulose and cellulose. <i>Industrial Crops and Products</i> , 2017 , 106, 65-73	5.9	49
131	Extraction of polysaccharides by autohydrolysis of spent coffee grounds and evaluation of their antioxidant activity. <i>Carbohydrate Polymers</i> , 2017 , 157, 258-266	10.3	78
130	Bench scale steam explosion pretreatment of acid impregnated elephant grass biomass and its impacts on biomass composition, structure and hydrolysis. <i>Industrial Crops and Products</i> , 2017 , 106, 48-58	5.9	38
129	Optimization of autohydrolysis conditions to extract antioxidant phenolic compounds from spent coffee grounds. <i>Journal of Food Engineering</i> , 2017 , 199, 1-8	6	65
128	Techno-economic assessment of biorefinery technologies for aviation biofuels supply chains in Brazil. <i>Biofuels, Bioproducts and Biorefining</i> , 2017 , 11, 67-91	5.3	50
127	Physicochemical Characterization of the Yeast Cells and Lignocellulosic Waste Used in Cell Immobilization for Ethanol Production 2017 ,		1
126	A vertical ball mill as a new reactor design for biomass hydrolysis and fermentation process. <i>Renewable Energy</i> , 2017 , 114, 775-780	8.1	5
125	Isolation of polyphenols from spent coffee grounds and silverskin by mild hydrothermal pretreatment. <i>Preparative Biochemistry and Biotechnology</i> , 2016 , 46, 406-9	2.4	47
124	Techno-economic evaluation of strategies based on two steps organosolv pretreatment and enzymatic hydrolysis of sugarcane bagasse for ethanol production. <i>Renewable Energy</i> , 2016 , 86, 270-279	8.1	41
123	Improvement on D-xylose to Xylitol Biotransformation by <i>Candida guilliermondii</i> Using Cells Permeabilized with Triton X-100 and Selected Process Conditions. <i>Applied Biochemistry and Biotechnology</i> , 2016 , 180, 969-979	3.2	10
122	Biotechnological production and application of fructooligosaccharides. <i>Critical Reviews in Biotechnology</i> , 2016 , 36, 259-67	9.4	76
121	Xylitol production in immobilized cultures: a recent review. <i>Critical Reviews in Biotechnology</i> , 2016 , 36, 691-704	9.4	22
120	Production of thermostable xylanase by thermophilic fungal strains isolated from maize silage. <i>CYTA - Journal of Food</i> , 2016 , 14, 302-308	2.3	29

119	A closer look at the developments and impact of biofuels in transport and environment; what are the next steps?. <i>Biofuel Research Journal</i> , 2016 , 3, 331-331	13.9	15
118	Cellulose: a key polymer for a greener, healthier, and bio-based future. <i>Biofuel Research Journal</i> , 2016 , 3, 482-482	13.9	9
117	Aloe vera and Probiotics: A New Alternative to Symbiotic Functional Foods. <i>Annual Research & Review in Biology</i> , 2016 , 9, 1-11	0.8	5
116	Biomass Pretreatment, Biorefineries, and Potential Products for a Bioeconomy Development 2016 , 1-22		23
115	Biomass Pretreatment With Acids 2016 , 169-185		9
114	Technoeconomic Considerations for Biomass Fractionation in a Biorefinery Context 2016 , 587-610		3
113	Enhancement of fructosyltransferase and fructooligosaccharides production by <i>A. oryzae</i> DIA-MF in Solid-State Fermentation using aguamiel as culture medium. <i>Bioresource Technology</i> , 2016 , 213, 276-282 ¹¹		36
112	Enzyme-assisted extraction of anticoagulant polysaccharide from <i>Liparis tessellatus</i> eggs. <i>International Journal of Biological Macromolecules</i> , 2015 , 74, 601-7	7.9	7
111	Gallic Acid Production with Mouldy Polyurethane Particles Obtained from Solid State Culture of <i>Aspergillus niger</i> GH1. <i>Applied Biochemistry and Biotechnology</i> , 2015 , 176, 1131-40	3.2	15
110	Influence of thermal effect on sugars composition of Mexican Agave syrup. <i>CYTA - Journal of Food</i> , 2015 , 1-6	2.3	13
109	Characterization of polysaccharides extracted from spent coffee grounds by alkali pretreatment. <i>Carbohydrate Polymers</i> , 2015 , 127, 347-54	10.3	99
108	Economic analysis and environmental impact assessment of three different fermentation processes for fructooligosaccharides production. <i>Bioresource Technology</i> , 2015 , 198, 673-81	11	20
107	Microwave-Assisted Extraction of Fucoidan from Marine Algae. <i>Methods in Molecular Biology</i> , 2015 , 1308, 151-7	1.4	5
106	Generating Biomedical Polyphenolic Compounds from Spent Coffee or Silverskin 2015 , 93-106		10
105	An approach to cellulase recovery from enzymatic hydrolysis of pretreated sugarcane bagasse with high lignin content. <i>Biocatalysis and Biotransformation</i> , 2015 , 33, 287-297	2.5	8
104	Fixed-Bed Column Process as a Strategy for Separation and Purification of Cephamecin C from Fermented Broth. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 3018-3026	3.9	3
103	Brewer's spent grain: a valuable feedstock for industrial applications. <i>Journal of the Science of Food and Agriculture</i> , 2014 , 94, 1264-75	4.3	270
102	Consecutive alcoholic fermentations of white grape musts with yeasts immobilized on grape skins □ Effect of biocatalyst storage and SO ₂ concentration on wine characteristics. <i>LWT - Food Science and Technology</i> , 2014 , 59, 1114-1122	5.4	11

101	Restructuring the processes for furfural and xylose production from sugarcane bagasse in a biorefinery concept for ethanol production. <i>Chemical Engineering and Processing: Process Intensification</i> , 2014 , 85, 196-202	3.7	29
100	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	8.3	24
99	Chemical, Functional, and Structural Properties of Spent Coffee Grounds and Coffee Silverskin. <i>Food and Bioprocess Technology</i> , 2014 , 7, 3493-3503	5.1	355
98	TYPICAL MEXICAN AGROINDUSTRIAL RESIDUES AS SUPPORTS FOR SOLID-STATE FERMENTATION. <i>American Journal of Agricultural and Biological Science</i> , 2014 , 9, 289-293	1.7	4
97	Integrated continuous winemaking process involving sequential alcoholic and malolactic fermentations with immobilized cells. <i>Process Biochemistry</i> , 2014 , 49, 1-9	4.8	14
96	Chemical composition and antioxidant activity of sulphated polysaccharides extracted from <i>Fucus vesiculosus</i> using different hydrothermal processes. <i>Chemical Papers</i> , 2014 , 68,	1.9	44
95	Selection of the Solvent and Extraction Conditions for Maximum Recovery of Antioxidant Phenolic Compounds from Coffee Silverskin. <i>Food and Bioprocess Technology</i> , 2014 , 7, 1322-1332	5.1	57
94	Antibacterial activity of crude methanolic extract and fractions obtained from <i>Larrea tridentata</i> leaves. <i>Industrial Crops and Products</i> , 2013 , 41, 306-311	5.9	40
93	Decolorization of salt-alkaline effluent with industrial reactive dyes by laccase-producing Basidiomycetes strains. <i>Letters in Applied Microbiology</i> , 2013 , 56, 283-90	2.9	18
92	Maximization of Fructooligosaccharides and Fructofuranosidase Production by <i>Aspergillus japonicus</i> under Solid-State Fermentation Conditions. <i>Food and Bioprocess Technology</i> , 2013 , 6, 2128-2134 ^{5.1}	5.1	46
91	Techno-economic analysis for brewer's spent grains use on a biorefinery concept: the Brazilian case. <i>Bioresource Technology</i> , 2013 , 148, 302-10	11	85
90	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, 365-73	3.7	20
89	Extraction of sulfated polysaccharides by autohydrolysis of brown seaweed <i>Fucus vesiculosus</i> . <i>Journal of Applied Phycology</i> , 2013 , 25, 31-39	3.2	51
88	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	4.5	23
87	Fungal fucoidanase production by solid-state fermentation in a rotating drum bioreactor using algal biomass as substrate. <i>Food and Bioprocess Technology</i> , 2013 , 91, 587-594	4.9	33
86	Influence of extraction solvents on the recovery of antioxidant phenolic compounds from brewer's spent grains. <i>Separation and Purification Technology</i> , 2013 , 108, 152-158	8.3	211
85	Malolactic fermentation of wines with immobilised lactic acid bacteria - influence of concentration, type of support material and storage conditions. <i>Food Chemistry</i> , 2013 , 138, 1510-4	8.5	35
84	Influence of trace elements supplementation on the production of recombinant frutalin by <i>Pichia pastoris</i> KM71H in fed-batch process. <i>Chemical Papers</i> , 2013 , 67,	1.9	5

83	Solid-state fermentation as a strategy to improve the bioactive compounds recovery from <i>Larrea tridentata</i> leaves. <i>Applied Biochemistry and Biotechnology</i> , 2013 , 171, 1227-39	3.2	19
82	Production, chemical characterization, and sensory profile of a novel spirit elaborated from spent coffee ground. <i>LWT - Food Science and Technology</i> , 2013 , 54, 557-563	5.4	39
81	Adaptation of a flocculent <i>Saccharomyces cerevisiae</i> strain to lignocellulosic inhibitors by cell recycle batch fermentation. <i>Applied Energy</i> , 2013 , 102, 124-130	10.7	37
80	Beer. <i>Contemporary Food Engineering</i> , 2013 , 429-444		
79	Growth of fungal strains on coffee industry residues with removal of polyphenolic compounds. <i>Biochemical Engineering Journal</i> , 2012 , 60, 87-90	4.2	64
78	Fermentation medium and oxygen transfer conditions that maximize the xylose conversion to ethanol by <i>Pichia stipitis</i> . <i>Renewable Energy</i> , 2012 , 37, 259-265	8.1	54
77	Bioactive compounds (phytoestrogens) recovery from <i>Larrea tridentata</i> leaves by solvents extraction. <i>Separation and Purification Technology</i> , 2012 , 88, 163-167	8.3	37
76	Production of white wine by <i>Saccharomyces cerevisiae</i> immobilized on grape pomace. <i>Journal of the Institute of Brewing</i> , 2012 , 118, 163-173	2	21
75	Optimal glucose and inoculum concentrations for production of bioactive molecules by <i>Paenibacillus polymyxa</i> RNC-D. <i>Chemical Papers</i> , 2012 , 66,	1.9	6
74	Application of Xylitol in Food Formulations and Benefits for Health 2012 , 309-323		9
73	Production of fructooligosaccharides and β -fructofuranosidase by batch and repeated batch fermentation with immobilized cells of <i>Penicillium expansum</i> . <i>European Food Research and Technology</i> , 2012 , 235, 13-22	3.4	26
72	Interference of some aqueous two-phase system phase-forming components in protein determination by the Bradford method. <i>Analytical Biochemistry</i> , 2012 , 421, 719-24	3.1	31
71	Sugars metabolism and ethanol production by different yeast strains from coffee industry wastes hydrolysates. <i>Applied Energy</i> , 2012 , 92, 763-768	10.7	150
70	Ethanol production from xylose by <i>Pichia stipitis</i> NRRL Y-7124 in a stirred tank bioreactor. <i>Brazilian Journal of Chemical Engineering</i> , 2011 , 28, 151-156	1.7	34
69	Extraction of antioxidant phenolic compounds from spent coffee grounds. <i>Separation and Purification Technology</i> , 2011 , 83, 173-179	8.3	240
68	Evaluating the potential of wine-making residues and corn cobs as support materials for cell immobilization for ethanol production. <i>Industrial Crops and Products</i> , 2011 , 34, 979-985	5.9	34
67	Bioactive phenolic compounds: production and extraction by solid-state fermentation. A review. <i>Biotechnology Advances</i> , 2011 , 29, 365-73	17.8	434
66	Inhibitory action of toxic compounds present in lignocellulosic hydrolysates on xylose to xylitol bioconversion by <i>Candida guilliermondii</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2011 , 38, 71-8	4.2	33

65	Production, Composition, and Application of Coffee and Its Industrial Residues. <i>Food and Bioprocess Technology</i> , 2011 , 4, 661-672	5.1	511
64	Ethanol production by a new pentose-fermenting yeast strain, <i>Scheffersomyces stipitis</i> UFMG-IMH 43.2, isolated from the Brazilian forest. <i>Yeast</i> , 2011 , 28, 547-54	3.4	38
63	The effect of organosolv pretreatment variables on enzymatic hydrolysis of sugarcane bagasse. <i>Chemical Engineering Journal</i> , 2011 , 168, 1157-1162	14.7	159
62	A study on chemical constituents and sugars extraction from spent coffee grounds. <i>Carbohydrate Polymers</i> , 2011 , 83, 368-374	10.3	257
61	Microwave-assisted extraction of sulfated polysaccharides (fucoidan) from brown seaweed. <i>Carbohydrate Polymers</i> , 2011 , 86, 1137-1144	10.3	262
60	Optimal fermentation conditions for maximizing the ethanol production by <i>Kluyveromyces fragilis</i> from cheese whey powder. <i>Biomass and Bioenergy</i> , 2011 , 35, 1977-1982	5.3	53
59	The influence of initial xylose concentration, agitation, and aeration on ethanol production by <i>Pichia stipitis</i> from rice straw hemicellulosic hydrolysate. <i>Applied Biochemistry and Biotechnology</i> , 2010 , 162, 1306-15	3.2	61
58	Fucoidan-degrading fungal strains: screening, morphometric evaluation, and influence of medium composition. <i>Applied Biochemistry and Biotechnology</i> , 2010 , 162, 2177-88	3.2	34
57	Fructooligosaccharide production by <i>Penicillium expansum</i> . <i>Biotechnology Letters</i> , 2010 , 32, 837-40	3	46
56	Technological trends, global market, and challenges of bio-ethanol production. <i>Biotechnology Advances</i> , 2010 , 28, 817-30	17.8	504
55	An approach to optimization of enzymatic hydrolysis from sugarcane bagasse based on organosolv pretreatment. <i>Journal of Chemical Technology and Biotechnology</i> , 2010 , 85, 1092-1098	3.5	48
54	Kinetic study of nordihydroguaiaretic acid recovery from <i>Larrea tridentata</i> by microwave-assisted extraction. <i>Journal of Chemical Technology and Biotechnology</i> , 2010 , 85, 1142-1147	3.5	32
53	Increase in the fructooligosaccharides yield and productivity by solid-state fermentation with <i>Aspergillus japonicus</i> using agro-industrial residues as support and nutrient source. <i>Biochemical Engineering Journal</i> , 2010 , 53, 154-157	4.2	59
52	Optimization of sulphated polysaccharides recovery from brown seaweeds by microwave-assisted extraction. <i>Journal of Biotechnology</i> , 2010 , 150, 394-395	3.7	2
51	Antioxidant capacity and NDGA content of <i>Larrea tridentata</i> (a desert bush) leaves extracted with different solvents. <i>Journal of Biotechnology</i> , 2010 , 150, 500-500	3.7	2
50	Production, characterization and application of activated carbon from brewer's spent grain lignin. <i>Bioresource Technology</i> , 2010 , 101, 2450-7	11	92
49	Fructooligosaccharides and Fructofuranosidase production by <i>Aspergillus japonicus</i> immobilized on lignocellulosic materials. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009 , 59, 76-81		72
48	Exploitation of agro industrial wastes as immobilization carrier for solid-state fermentation. <i>Industrial Crops and Products</i> , 2009 , 30, 24-27	5.9	100

47	beta-Frucctofuranosidase production by repeated batch fermentation with immobilized <i>Aspergillus japonicus</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2009 , 36, 923-8	4.2	35
46	Characterisation of volatile compounds in an alcoholic beverage produced by whey fermentation. <i>Food Chemistry</i> , 2009 , 112, 929-935	8.5	137
45	Colonization of <i>Aspergillus japonicus</i> on synthetic materials and application to the production of fructooligosaccharides. <i>Carbohydrate Research</i> , 2009 , 344, 795-800	2.9	48
44	Biotechnological Potential of Brewing Industry By-Products 2009 , 313-326		25
43	Hydrogen peroxide bleaching of cellulose pulps obtained from brewer's spent grain. <i>Cellulose</i> , 2008 , 15, 641-649	5.5	37
42	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	5.5	64
41	Influence of temperature on continuous high gravity brewing with yeasts immobilized on spent grains. <i>European Food Research and Technology</i> , 2008 , 228, 257-264	3.4	16
40	Establishment of the optimum initial xylose concentration and nutritional supplementation of brewer's spent grain hydrolysate for xylitol production by <i>Candida guilliermondii</i> . <i>Process Biochemistry</i> , 2008 , 43, 540-546	4.8	50
39	Effects of medium supplementation and pH control on lactic acid production from brewer's spent grain. <i>Biochemical Engineering Journal</i> , 2008 , 40, 437-444	4.2	87
38	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	3.8	246
37	Utilizaçã de mostos concentrados na produçã de cervejas pelo processo contínuo: novas tendências para o aumento da produtividade. <i>Food Science and Technology</i> , 2007 , 27, 37-40	2	4
36	Non-digestible oligosaccharides: A review. <i>Carbohydrate Polymers</i> , 2007 , 68, 587-597	10.3	538
35	Lignin recovery from brewer's spent grain black liquor. <i>Carbohydrate Polymers</i> , 2007 , 70, 218-223	10.3	92
34	Ferulic and p-coumaric acids extraction by alkaline hydrolysis of brewer's spent grain. <i>Industrial Crops and Products</i> , 2007 , 25, 231-237	5.9	161
33	Cell immobilization and xylitol production using sugarcane bagasse as raw material. <i>Applied Biochemistry and Biotechnology</i> , 2007 , 141, 215-27	3.2	24
32	Brewer's spent grain as raw material for lactic acid production by <i>Lactobacillus delbrueckii</i> . <i>Biotechnology Letters</i> , 2007 , 29, 1973-6	3	52
31	Xylitol production in a bubble column bioreactor: Influence of the aeration rate and immobilized system concentration. <i>Process Biochemistry</i> , 2007 , 42, 258-262	4.8	24
30	High Gravity Brewing by Continuous Process Using Immobilised Yeast: Effect of Wort Original Gravity on Fermentation Performance. <i>Journal of the Institute of Brewing</i> , 2007 , 113, 391-398	2	25

29	Fermentation performance of <i>Candida guilliermondii</i> for xylitol production on single and mixed substrate media. <i>Applied Microbiology and Biotechnology</i> , 2006 , 72, 681-6	5.7	16
28	Study of xylitol production by <i>Candida guilliermondii</i> on a bench bioreactor. <i>Journal of Food Engineering</i> , 2006 , 75, 115-119	6	38
27	Brewers' spent grain: generation, characteristics and potential applications. <i>Journal of Cereal Science</i> , 2006 , 43, 1-14	3.8	546
26	Comparison of different procedures for the detoxification of eucalyptus hemicellulosic hydrolysate for use in fermentative processes. <i>Journal of Chemical Technology and Biotechnology</i> , 2006 , 81, 152-157	3.5	52
25	Chemical characterization and liberation of pentose sugars from brewer's spent grain. <i>Journal of Chemical Technology and Biotechnology</i> , 2006 , 81, 268-274	3.5	123
24	A study on the recovery of xylitol by batch adsorption and crystallization from fermented sugarcane bagasse hydrolysate. <i>Journal of Chemical Technology and Biotechnology</i> , 2006 , 81, 1840-1845	3.5	14
23	Optimum operating conditions for brewer's spent grain soda pulping. <i>Carbohydrate Polymers</i> , 2006 , 64, 22-28	10.3	50
22	Kinetic behavior of <i>Candida guilliermondii</i> yeast during xylitol production from Brewer's spent grain hemicellulosic hydrolysate. <i>Biotechnology Progress</i> , 2005 , 21, 1352-6	2.8	20
21	Influence of aeration rate and carrier concentration on xylitol production from sugarcane bagasse hydrolyzate in immobilized-cell fluidized bed reactor. <i>Process Biochemistry</i> , 2005 , 40, 113-118	4.8	42
20	Evaluation of porous glass and zeolite as cells carriers for xylitol production from sugarcane bagasse hydrolysate. <i>Biochemical Engineering Journal</i> , 2005 , 23, 1-9	4.2	36
19	Variables that affect xylitol production from sugarcane bagasse hydrolysate in a zeolite fluidized bed reactor. <i>Biotechnology Progress</i> , 2005 , 21, 1639-43	2.8	11
18	Acid hydrolysis and fermentation of brewer's spent grain to produce xylitol. <i>Journal of the Science of Food and Agriculture</i> , 2005 , 85, 2453-2460	4.3	126
17	Influence of the toxic compounds present in brewer's spent grain hemicellulosic hydrolysate on xylose-to-xylitol bioconversion by <i>Candida guilliermondii</i> . <i>Process Biochemistry</i> , 2005 , 40, 3801-3806	4.8	40
16	Purification of xylitol from fermented hemicellulosic hydrolyzate using liquid-liquid extraction and precipitation techniques. <i>Biotechnology Letters</i> , 2005 , 27, 1113-5	3	17
15	Immobilized cells cultivated in semi-continuous mode in a fluidized bed reactor for xylitol production from sugarcane bagasse. <i>World Journal of Microbiology and Biotechnology</i> , 2005 , 21, 531-535	4.4	10
14	Evaluation of nutrient supplementation to charcoal-treated and untreated rice straw hydrolysate for xylitol production by <i>Candida guilliermondii</i> . <i>Brazilian Archives of Biology and Technology</i> , 2005 , 48, 497-502	1.8	19
13	Optimal experimental condition for hemicellulosic hydrolyzate treatment with activated charcoal for xylitol production. <i>Biotechnology Progress</i> , 2004 , 20, 134-9	2.8	70
12	Avaliaço de diferentes tipos de carvo ativo na destoxificaço de hidrolisado de palha de arroz para produço de xilitol. <i>Food Science and Technology</i> , 2004 , 24, 94-100	2	5

11	Kinetic behavior of <i>Candida guilliermondii</i> yeast during xylitol production from highly concentrated hydrolysate. <i>Process Biochemistry</i> , 2004 , 39, 1433-1439	4.8	33
10	Effect of pH and activated charcoal adsorption on hemicellulosic hydrolysate detoxification for xylitol production. <i>Journal of Chemical Technology and Biotechnology</i> , 2004 , 79, 590-596	3.5	49
9	Detoxification of sugarcane bagasse hemicellulosic hydrolysate with ion-exchange resins for xylitol production by calcium alginate-entrapped cells. <i>Journal of Chemical Technology and Biotechnology</i> , 2004 , 79, 863-868	3.5	36
8	Alternatives for detoxification of diluted-acid lignocellulosic hydrolyzates for use in fermentative processes: a review. <i>Bioresource Technology</i> , 2004 , 93, 1-10	11	611
7	Dilute-acid hydrolysis for optimization of xylose recovery from rice straw in a semi-pilot reactor. <i>Industrial Crops and Products</i> , 2003 , 17, 171-176	5.9	176
6	Xylitol production from high xylose concentration: evaluation of the fermentation in bioreactor under different stirring rates. <i>Journal of Applied Microbiology</i> , 2003 , 95, 331-7	4.7	39
5	Xilitol: edulcorante com efeitos benficos para a saude humana. <i>BJPS: Brazilian Journal of Pharmaceutical Sciences</i> , 2002 , 38, 401-413		18
4	Hydrolysate detoxification with activated charcoal for xylitol production by <i>Candida guilliermondii</i> 2001 , 23, 1681-1684		64
3	Dry Anaerobic Digestion of Food Industry by-Products and Bioenergy Recovery: A Perspective to Promote the Circular Economy Transition. <i>Waste and Biomass Valorization</i> , 1	3.2	2
2	A bibliometric analysis on potential uses of brewer's spent grains in a biorefinery for the circular economy transition of the beer industry. <i>Biofuels, Bioproducts and Biorefining</i> ,	5.3	9
1	Biotechnological Production of Oligosaccharides: Advances and Challenges 381-392		2