

Solange InÃs Mussatto

List of Publications by Year in descending order

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197
papers

14,799
citations

24978

57
h-index

21474

114
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206
all docs

206
docs citations

206
times ranked

13601
citing authors

#	ARTICLE	IF	CITATIONS
1	Brewers' spent grain: generation, characteristics and potential applications. <i>Journal of Cereal Science</i> , 2006, 43, 1-14.	1.8	726
2	Production, Composition, and Application of Coffee and Its Industrial Residues. <i>Food and Bioprocess Technology</i> , 2011, 4, 661-672.	2.6	692
3	Alternatives for detoxification of diluted-acid lignocellulosic hydrolyzates for use in fermentative processes: a review. <i>Bioresource Technology</i> , 2004, 93, 1-10.	4.8	666
4	Non-digestible oligosaccharides: A review. <i>Carbohydrate Polymers</i> , 2007, 68, 587-597.	5.1	637
5	Technological trends, global market, and challenges of bio-ethanol production. <i>Biotechnology Advances</i> , 2010, 28, 817-830.	6.0	585
6	Bioactive phenolic compounds: Production and extraction by solid-state fermentation. A review. <i>Biotechnology Advances</i> , 2011, 29, 365-373.	6.0	547
7	Chemical, Functional, and Structural Properties of Spent Coffee Grounds and Coffee Silverskin. <i>Food and Bioprocess Technology</i> , 2014, 7, 3493-3503.	2.6	532
8	Brewer's spent grain: a valuable feedstock for industrial applications. <i>Journal of the Science of Food and Agriculture</i> , 2014, 94, 1264-1275.	1.7	370
9	A study on chemical constituents and sugars extraction from spent coffee grounds. <i>Carbohydrate Polymers</i> , 2011, 83, 368-374.	5.1	325
10	Microwave-assisted extraction of sulfated polysaccharides (fucoidan) from brown seaweed. <i>Carbohydrate Polymers</i> , 2011, 86, 1137-1144.	5.1	325
11	Extraction of antioxidant phenolic compounds from spent coffee grounds. <i>Separation and Purification Technology</i> , 2011, 83, 173-179.	3.9	311
12	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.	4.2	308
13	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
14	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.	3.9	287
15	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.	2.5	213
16	A comprehensive review of engineered biochar: Production, characteristics, and environmental applications. <i>Journal of Cleaner Production</i> , 2020, 270, 122462.	4.6	207
17	Ferulic and p-coumaric acids extraction by alkaline hydrolysis of brewer's spent grain. <i>Industrial Crops and Products</i> , 2007, 25, 231-237.	2.5	206
18	Sugars metabolism and ethanol production by different yeast strains from coffee industry wastes hydrolysates. <i>Applied Energy</i> , 2012, 92, 763-768.	5.1	193

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19	The effect of organosolv pretreatment variables on enzymatic hydrolysis of sugarcane bagasse. <i>Chemical Engineering Journal</i> , 2011, 168, 1157-1162.	6.6	183
20	Characterisation of volatile compounds in an alcoholic beverage produced by whey fermentation. <i>Food Chemistry</i> , 2009, 112, 929-935.	4.2	181
21	Chemical characterization and liberation of pentose sugars from brewer's spent grain. <i>Journal of Chemical Technology and Biotechnology</i> , 2006, 81, 268-274.	1.6	152
22	Innovation and strategic orientations for the development of advanced biorefineries. <i>Bioresource Technology</i> , 2020, 302, 122847.	4.8	152
23	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.	1.7	144
24	Characterization of polysaccharides extracted from spent coffee grounds by alkali pretreatment. <i>Carbohydrate Polymers</i> , 2015, 127, 347-354.	5.1	142
25	Exploitation of agro industrial wastes as immobilization carrier for solid-state fermentation. <i>Industrial Crops and Products</i> , 2009, 30, 24-27.	2.5	124
26	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.	2.9	120
27	Production, characterization and application of activated carbon from brewer's spent grain lignin. <i>Bioresource Technology</i> , 2010, 101, 2450-2457.	4.8	114
28	Lignin recovery from brewer's spent grain black liquor. <i>Carbohydrate Polymers</i> , 2007, 70, 218-223.	5.1	113
29	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.	3.6	105
30	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.	1.8	102
31	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.	3.3	101
32	Techno-economic analysis for brewer's spent grains use on a biorefinery concept: The Brazilian case. <i>Bioresource Technology</i> , 2013, 148, 302-310.	4.8	100
33	Extraction of polysaccharides by autohydrolysis of spent coffee grounds and evaluation of their antioxidant activity. <i>Carbohydrate Polymers</i> , 2017, 157, 258-266.	5.1	99
34	Biotechnological production and application of fructooligosaccharides. <i>Critical Reviews in Biotechnology</i> , 2016, 36, 259-267.	5.1	93
35	Anaerobic digestion process: technological aspects and recent developments. <i>International Journal of Environmental Science and Technology</i> , 2018, 15, 2033-2046.	1.8	89
36	Optimal Experimental Condition for Hemicellulosic Hydrolyzate Treatment with Activated Charcoal for Xylitol Production. <i>Biotechnology Progress</i> , 2008, 20, 134-139.	1.3	88

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37	Optimization of autohydrolysis conditions to extract antioxidant phenolic compounds from spent coffee grounds. <i>Journal of Food Engineering</i> , 2017, 199, 1-8.	2.7	88
38	Hydrolysate detoxification with activated charcoal for xylitol production by <i>Candida guilliermondii</i> . , 2001, 23, 1681-1684.		87
39	Fructooligosaccharides and Î ² -fructofuranosidase production by <i>Aspergillus japonicus</i> immobilized on lignocellulosic materials. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009, 59, 76-81.	1.8	85
40	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.	4.8	83
41	The effect of agitation speed, enzyme loading and substrate concentration on enzymatic hydrolysis of cellulose from brewerâ€™s spent grain. <i>Cellulose</i> , 2008, 15, 711-721.	2.4	82
42	Growth of fungal strains on coffee industry residues with removal of polyphenolic compounds. <i>Biochemical Engineering Journal</i> , 2012, 60, 87-90.	1.8	81
43	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.	2.6	80
44	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.	3.6	80
45	Evaluation of different pretreatment strategies for protein extraction from brewerâ€™s spent grains. <i>Industrial Crops and Products</i> , 2018, 125, 443-453.	2.5	73
46	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.	1.8	72
47	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, 1306-1315.	1.4	70
48	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.	4.3	69
49	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.	2.5	68
50	Techno-economic assessment of biorefinery technologies for aviation biofuels supply chains in Brazil. <i>Biofuels, Bioproducts and Biorefining</i> , 2017, 11, 67-91.	1.9	68
51	Extraction of sulfated polysaccharides by autohydrolysis of brown seaweed <i>Fucus vesiculosus</i> . <i>Journal of Applied Phycology</i> , 2013, 25, 31-39.	1.5	67
52	Sugarcane bagasse hydrolysate as a potential feedstock for red pigment production by <i>Monascus ruber</i> . <i>Food Chemistry</i> , 2018, 245, 786-791.	4.2	65
53	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.	1.8	63
54	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.	2.9	63

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55	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.	4.3	62
56	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.	2.9	62
57	Brewer's spent grain as raw material for lactic acid production by <i>Lactobacillus delbrueckii</i> . <i>Biotechnology Letters</i> , 2007, 29, 1973-1976.	1.1	61
58	Hydrodynamic cavitation as a strategy to enhance the efficiency of lignocellulosic biomass pretreatment. <i>Critical Reviews in Biotechnology</i> , 2018, 38, 483-493.	5.1	61
59	Lipid and carotenoid production from wheat straw hydrolysates by different oleaginous yeasts. <i>Journal of Cleaner Production</i> , 2020, 249, 119308.	4.6	61
60	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.	1.6	60
61	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.	1.6	58
62	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.	2.5	58
63	Optimum operating conditions for brewer's spent grain soda pulping. <i>Carbohydrate Polymers</i> , 2006, 64, 22-28.	5.1	57
64	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.	2.5	57
65	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.	1.6	55
66	Colonization of <i>Aspergillus japonicus</i> on synthetic materials and application to the production of fructooligosaccharides. <i>Carbohydrate Research</i> , 2009, 344, 795-800.	1.1	55
67	Isolation of polyphenols from spent coffee grounds and silverskin by mild hydrothermal pretreatment. <i>Preparative Biochemistry and Biotechnology</i> , 2016, 46, 406-409.	1.0	55
68	Chemical composition and antioxidant activity of sulphated polysaccharides extracted from <i>Fucus vesiculosus</i> using different hydrothermal processes. <i>Chemical Papers</i> , 2014, 68, .	1.0	54
69	Hydrogen peroxide bleaching of cellulose pulps obtained from brewer's spent grain. <i>Cellulose</i> , 2008, 15, 641-649.	2.4	52
70	Fructooligosaccharide production by <i>Penicillium expansum</i> . <i>Biotechnology Letters</i> , 2010, 32, 837-840.	1.1	52
71	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.	4.3	51
72	Ethanol Production from Brewer's Spent Grain Pretreated by Dilute Phosphoric Acid. <i>Energy & Fuels</i> , 2018, 32, 5226-5233.	2.5	51

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73	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.	4.6	51
74	Maximization of Fructooligosaccharides and Î²-Fructofuranosidase Production by <i>Aspergillus japonicus</i> under Solid-State Fermentation Conditions. <i>Food and Bioprocess Technology</i> , 2013, 6, 2128-2134.	2.6	50
75	Integration of subcritical water pretreatment and anaerobic digestion technologies for valorization of açaí processing industries residues. <i>Journal of Cleaner Production</i> , 2019, 228, 1131-1142.	4.6	50
76	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.	2.5	49
77	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.	1.8	48
78	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.	4.8	48
79	Influence of aeration rate and carrier concentration on xylitol production from sugarcane bagasse hydrolysate in immobilized-cell fluidized bed reactor. <i>Process Biochemistry</i> , 2005, 40, 113-118.	1.8	47
80	Study of xylitol production by <i>Candida guilliermondii</i> on a bench bioreactor. <i>Journal of Food Engineering</i> , 2006, 75, 115-119.	2.7	47
81	Bioactive compounds (phytoestrogens) recovery from <i>Larrea tridentata</i> leaves by solvents extraction. <i>Separation and Purification Technology</i> , 2012, 88, 163-167.	3.9	47
82	Xylitol production from high xylose concentration: evaluation of the fermentation in bioreactor under different stirring rates. <i>Journal of Applied Microbiology</i> , 2003, 95, 331-337.	1.4	45
83	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.	1.8	43
84	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.	5.1	43
85	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.	3.3	43
86	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, Bioprocesses and Biorefining</i> , 2021, 15, 1965-1988.	1.9	43
87	Fucoidan-Degrading Fungal Strains: Screening, Morphometric Evaluation, and Influence of Medium Composition. <i>Applied Biochemistry and Biotechnology</i> , 2010, 162, 2177-2188.	1.4	42
88	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, 1510-1514.	4.2	42
89	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.	4.8	42
90	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.	1.8	41

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91	Ethanol production by a new pentose-fermenting yeast strain, <i>Scheffersomyces stipitis</i> UFMG-143.2, isolated from the Brazilian forest. <i>Yeast</i> , 2011, 28, 547-554.	0.8	41
92	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.	1.6	40
93	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.	0.7	40
94	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.	2.5	40
95	Brazilian biorefineries from second generation biomass: critical insights from industry and future perspectives. <i>Biofuels, Bioproducts and Biorefining</i> , 2021, 15, 1190-1208.	1.9	40
96	Kinetic behavior of <i>Candida guilliermondii</i> yeast during xylitol production from highly concentrated hydrolysate. <i>Process Biochemistry</i> , 2004, 39, 1433-1439.	1.8	39
97	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, 71-78.	1.4	39
98	Pretreatment of switchgrass by steam explosion in a semi-continuous pre-pilot reactor. <i>Biomass and Bioenergy</i> , 2019, 121, 41-47.	2.9	39
99	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.	7.2	38
100	Xylitol production in a bubble column bioreactor: Influence of the aeration rate and immobilized system concentration. <i>Process Biochemistry</i> , 2007, 42, 258-262.	1.8	37
101	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
102	Scaling up xylitol bioproduction: Challenges to achieve a profitable bioprocess. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 154, 111789.	8.2	37
103	Î ² -Fructofuranosidase production by repeated batch fermentation with immobilized <i>Aspergillus japonicus</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2009, 36, 923-928.	1.4	36
104	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.	1.6	36
105	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.	2.5	36
106	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.	1.8	35
107	Biomass Pretreatment, Biorefineries, and Potential Products for a Bioeconomy Development. , 2016, , 1-22.		35
108	Biotechnological Potential of Brewing Industry By-Products. , 2009, , 313-326.		34

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109	Production of thermostable xylanase by thermophilic fungal strains isolated from maize silage. <i>CYTA - Journal of Food</i> , 2016, 14, 302-308.	0.9	32
110	Strategies for an improved extraction and separation of lipids and carotenoids from oleaginous yeast. <i>Separation and Purification Technology</i> , 2021, 257, 117946.	3.9	32
111	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.	2.5	32
112	Cell immobilization and xylitol production using sugarcane bagasse as raw material. <i>Applied Biochemistry and Biotechnology</i> , 2007, 141, 215-227.	1.4	31
113	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
114	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.	2.5	31
115	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.	0.8	28
116	Production of fructooligosaccharides and Î²-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.	1.6	27
117	Xylitol production in immobilized cultures: a recent review. <i>Critical Reviews in Biotechnology</i> , 2016, 36, 691-704.	5.1	27
118	A spatially explicit assessment of sugarcane vinasse as a sustainable by-product. <i>Science of the Total Environment</i> , 2021, 765, 142717.	3.9	27
119	Techno-economic assessment of subcritical water hydrolysis process for sugars production from brewerâ€™s spent grains. <i>Industrial Crops and Products</i> , 2021, 171, 113836.	2.5	27
120	New trends in bioprocesses for lignocellulosic biomass and CO2 utilization. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 152, 111620.	8.2	27
121	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
122	Increasing the Sustainability of the Coffee Agro-Industry: Spent Coffee Grounds as a Source of New Beverages. <i>Beverages</i> , 2018, 4, 105.	1.3	26
123	Production of Itaconic Acid from Cellulose Pulp: Feedstock Feasibility and Process Strategies for an Efficient Microbial Performance. <i>Energies</i> , 2020, 13, 1654.	1.6	26
124	Exploiting new biorefinery models using non-conventional yeasts and their implications for sustainability. <i>Bioresource Technology</i> , 2020, 309, 123374.	4.8	26
125	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
126	Recovery of sugars and amino acids from brewers' spent grains using subcritical water hydrolysis in a single and two sequential semi-continuous flow-through reactors. <i>Food Research International</i> , 2022, 157, 111470.	2.9	25

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127	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, 1227-1239.	1.4	24
128	Xylitol: edulcorante com efeitos benÃ©ficos para a saÃºde humana. <i>BJPS: Brazilian Journal of Pharmaceutical Sciences</i> , 2002, 38, 401-413.	0.5	23
129	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.	0.8	23
130	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
131	Economic analysis and environmental impact assessment of three different fermentation processes for fructooligosaccharides production. <i>Bioresource Technology</i> , 2015, 198, 673-681.	4.8	23
132	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.	4.8	23
133	Kinetic Behavior of <i>Candida guilliermondii</i> Yeast during Xylitol Production from Breweraposs Spent Grain Hemicellulosic Hydrolysate. <i>Biotechnology Progress</i> , 2008, 21, 1352-1356.	1.3	22
134	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.	2.5	22
135	Fermentation performance of <i>Candida guilliermondii</i> for xylitol production on single and mixed substrate media. <i>Applied Microbiology and Biotechnology</i> , 2006, 72, 681-686.	1.7	21
136	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.	3.6	20
137	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.	0.5	20
138	Purification of Xylitol from Fermented Hemicellulosic Hydrolyzate Using LiquidÃ©Liquid Extraction and Precipitation Techniques. <i>Biotechnology Letters</i> , 2005, 27, 1113-1115.	1.1	19
139	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.	1.6	19
140	Synthesis and Application of Heterogeneous Catalysts Based on Heteropolyacids for 5-Hydroxymethylfurfural Production from Glucose. <i>Energies</i> , 2020, 13, 655.	1.6	19
141	Integrated continuous winemaking process involving sequential alcoholic and malolactic fermentations with immobilized cells. <i>Process Biochemistry</i> , 2014, 49, 1-9.	1.8	18
142	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.	1.6	18
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