

Carlos Ricardo Soccol

List of Publications by Year in descending order

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472
papers

20,712
citations

12330
69
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15732
125
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485
all docs

485
docs citations

485
times ranked

18005
citing authors

#	ARTICLE	IF	CITATIONS
1	Biotechnological potential of agro-industrial residues. I: sugarcane bagasse. Bioresource Technology, 2000, 74, 69-80.	9.6	961
2	New developments in solid state fermentation: I-bioprocesses and products. Process Biochemistry, 2000, 35, 1153-1169.	3.7	865
3	Advances in microbial amylases. Biotechnology and Applied Biochemistry, 2000, 31, 135.	3.1	793
4	Recent advances in solid-state fermentation. Biochemical Engineering Journal, 2009, 44, 13-18.	3.6	638
5	Potential carbon dioxide fixation by industrially important microalgae. Bioresource Technology, 2010, 101, 5892-5896.	9.6	420
6	Trends in non-dairy probiotic beverages. Food Research International, 2008, 41, 111-123.	6.2	415
7	Oil cakes and their biotechnological applications – A review. Bioresource Technology, 2007, 98, 2000-2009.	9.6	401
8	The realm of microbial lipases in biotechnology. Biotechnology and Applied Biochemistry, 1999, 29, 119-31.	3.1	381
9	Biotechnological potential of coffee pulp and coffee husk for bioprocesses. Biochemical Engineering Journal, 2000, 6, 153-162.	3.6	361
10	Biotechnological potential of agro-industrial residues. II: cassava bagasse. Bioresource Technology, 2000, 74, 81-87.	9.6	343
11	Bioethanol from lignocelluloses: Status and perspectives in Brazil. Bioresource Technology, 2010, 101, 4820-4825.	9.6	326
12	Recent developments and innovations in solid state fermentation. Biotechnology Research and Innovation, 2017, 1, 52-71.	0.9	311
13	How to select a probiotic? A review and update of methods and criteria. Biotechnology Advances, 2018, 36, 2060-2076.	11.7	296
14	Production, purification and properties of microbial phytases. Bioresource Technology, 2001, 77, 203-214.	9.6	256
15	Milk kefir: composition, microbial cultures, biological activities, and related products. Frontiers in Microbiology, 2015, 6, 1177.	3.5	236
16	Screening of microalgae with potential for biodiesel production and nutrient removal from treated domestic sewage. Applied Energy, 2011, 88, 3291-3294.	10.1	221
17	Lignocellulosic biomass: Acid and alkaline pretreatments and their effects on biomass recalcitrance – Conventional processing and recent advances. Bioresource Technology, 2020, 304, 122848.	9.6	220
18	Bacteriocins from lactic acid bacteria: purification, properties and use as biopreservatives. Brazilian Archives of Biology and Technology, 2007, 50, 512-542.	0.5	217

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19	Recent Developments in Microbial Inulinases: Its Production, Properties, and Industrial Applications. Applied Biochemistry and Biotechnology, 1999, 81, 35-52.	2.9	199
20	Overview of applied solid-state fermentation in Brazil. Biochemical Engineering Journal, 2003, 13, 205-218.	3.6	186
21	Downstream process development in biotechnological itaconic acid manufacturing. Applied Microbiology and Biotechnology, 2017, 101, 1-12.	3.6	182
22	<i>Bacillus thuringiensis</i> : mechanism of action, resistance, and new applications: a review. Critical Reviews in Biotechnology, 2016, 36, 317-326.	9.0	179
23	Solid-state fermentation for the production of Monascus pigments from jackfruit seed. Bioresource Technology, 2007, 98, 1554-1560.	9.6	176
24	Exploring the impacts of postharvest processing on the aroma formation of coffee beans – A review. Food Chemistry, 2019, 272, 441-452.	8.2	165
25	Lignin as a potential source of high-added value compounds: A review. Journal of Cleaner Production, 2020, 263, 121499.	9.3	159
26	Solid-state fermentation for the synthesis of citric acid by <i>Aspergillus niger</i> . Bioresource Technology, 2000, 74, 175-178.	9.6	151
27	Microbiological, biochemical, and functional aspects of sugary kefir fermentation - A review. Food Microbiology, 2017, 66, 86-95.	4.2	147
28	Pilot scale biodiesel production from microbial oil of <i>Rhodospiridium toruloides</i> DEBB 5533 using sugarcane juice: Performance in diesel engine and preliminary economic study. Bioresource Technology, 2017, 223, 259-268.	9.6	145
29	Production of bio-ethanol from soybean molasses by <i>Saccharomyces cerevisiae</i> at laboratory, pilot and industrial scales. Bioresource Technology, 2008, 99, 8156-8163.	9.6	143
30	Microbial hydrogen production by bioconversion of crude glycerol: A review. International Journal of Hydrogen Energy, 2012, 37, 6473-6490.	7.1	139
31	Biological detoxification of coffee husk by filamentous fungi using a solid state fermentation system. Enzyme and Microbial Technology, 2000, 27, 127-133.	3.2	138
32	Current advances in on-site cellulase production and application on lignocellulosic biomass conversion to biofuels: A review. Biomass and Bioenergy, 2020, 132, 105419.	5.7	136
33	Extra-cellular L-glutaminase production by <i>Zygosaccharomyces rouxii</i> under solid-state fermentation. Process Biochemistry, 2002, 38, 307-312.	3.7	125
34	Isolation, selection and evaluation of yeasts for use in fermentation of coffee beans by the wet process. International Journal of Food Microbiology, 2014, 188, 60-66.	4.7	124
35	Biotechnological approaches for cocoa waste management: A review. Waste Management, 2019, 90, 72-83.	7.4	123
36	Characterization and stability of proteases from <i>Penicillium</i> sp. produced by solid-state fermentation. Enzyme and Microbial Technology, 2003, 32, 246-251.	3.2	115

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37	Pretreatment strategies for delignification of sugarcane bagasse: a review. Brazilian Archives of Biology and Technology, 2013, 56, 679-689.	0.5	115
38	Fruity flavour production by <i>Ceratocystis fimbriata</i> grown on coffee husk in solid-state fermentation. Process Biochemistry, 2000, 35, 857-861.	3.7	112
39	Technological trends and market perspectives for production of microbial oils rich in omega-3. Critical Reviews in Biotechnology, 2017, 37, 656-671.	9.0	109
40	Conducting starter culture-controlled fermentations of coffee beans during on-farm wet processing: Growth, metabolic analyses and sensorial effects. Food Research International, 2015, 75, 348-356.	6.2	108
41	Functional properties and health benefits of bioactive peptides derived from <i>Spirulina</i> : A review. Food Reviews International, 2018, 34, 34-51.	8.4	108
42	Microalgal biomass pretreatment for integrated processing into biofuels, food, and feed. Bioresource Technology, 2020, 300, 122719.	9.6	105
43	Optimization of the production of aroma compounds by <i>Kluyveromyces marxianus</i> in solid-state fermentation using factorial design and response surface methodology. Biochemical Engineering Journal, 2000, 6, 33-39.	3.6	103
44	Batch Fermentation Model of Propionic Acid Production by <i>Propionibacterium acidipropionici</i> in Different Carbon Sources. Applied Biochemistry and Biotechnology, 2008, 151, 333-341.	2.9	99
45	Production and characterization of poly-3-hydroxybutyrate from crude glycerol by <i>Bacillus sphaericus</i> NII 0838 and improving its thermal properties by blending with other polymers. Brazilian Archives of Biology and Technology, 2011, 54, 783-794.	0.5	99
46	Microbial production of citric acid. Brazilian Archives of Biology and Technology, 1999, 42, 263-276.	0.5	98
47	Production of fumaric acid by fermentation of enzymatic hydrolysates derived from cassava bagasse. Bioresource Technology, 1999, 68, 23-28.	9.6	98
48	Economic process to produce biohydrogen and volatile fatty acids by a mixed culture using vinasse from sugarcane ethanol industry as nutrient source. Bioresource Technology, 2014, 159, 380-386.	9.6	98
49	Characterization of volatile compounds produced by <i>Rhizopus</i> strains grown on agro-industrial solid wastes. Bioresource Technology, 2000, 71, 211-215.	9.6	94
50	Production of <i>Flammulina velutipes</i> on coffee husk and coffee spent-ground. Brazilian Archives of Biology and Technology, 2001, 44, 205-212.	0.5	92
51	A Review of Selection Criteria for Starter Culture Development in the Food Fermentation Industry. Food Reviews International, 2020, 36, 135-167.	8.4	89
52	Development and evaluation of a fermented coconut water beverage with potential health benefits. Journal of Functional Foods, 2015, 12, 489-497.	3.4	88
53	Use of various coffee industry residues for the cultivation of <i>Pleurotus ostreatus</i> in solid state fermentation. Acta Biotechnologica, 2000, 20, 41-52.	0.9	86
54	Biopigments from <i>Monascus</i> : strains selection, citrinin production and color stability. Brazilian Archives of Biology and Technology, 2005, 48, 885-894.	0.5	86

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55	New perspectives of gibberellic acid production: a review. Critical Reviews in Biotechnology, 2012, 32, 263-273.	9.0	86
56	Microbial ecology and starter culture technology in coffee processing. Critical Reviews in Food Science and Nutrition, 2017, 57, 2775-2788.	10.3	86
57	Recent developments in microbial oils production: a possible alternative to vegetable oils for biodiesel without competition with human food?. Brazilian Archives of Biology and Technology, 2012, 55, 29-46.	0.5	84
58	Life cycle and spore resistance of spore-forming Bacillus atrophaeus. Microbiological Research, 2014, 169, 931-939.	5.3	83
59	Bacillus lipopeptides as powerful pest control agents for a more sustainable and healthy agriculture: recent studies and innovations. Planta, 2020, 251, 70.	3.2	83
60	Hydrogen: Current advances and patented technologies of its renewable production. Journal of Cleaner Production, 2021, 286, 124970.	9.3	83
61	Lignin preparation from oil palm empty fruit bunches by sequential acid/alkaline treatment “A biorefinery approach. Bioresource Technology, 2015, 194, 172-178.	9.6	82
62	Current advances in gibberellic acid (GA3) production, patented technologies and potential applications. Planta, 2018, 248, 1049-1062.	3.2	81
63	Polyhydroxybutyrate production using agro-industrial residue as substrate by Bacillus sphaericus NCIM 5149. Brazilian Archives of Biology and Technology, 2009, 52, 17-23.	0.5	80
64	Characterization of laccase isoforms produced by Pleurotus ostreatus in solid state fermentation of sugarcane bagasse. Bioresource Technology, 2012, 114, 735-739.	9.6	80
65	Determination of the microbial community in Amazonian cocoa bean fermentation by Illumina-based metagenomic sequencing. LWT - Food Science and Technology, 2019, 106, 229-239.	5.2	77
66	Steam explosion pretreatment of oil palm empty fruit bunches (EFB) using autocatalytic hydrolysis: A biorefinery approach. Bioresource Technology, 2016, 199, 173-180.	9.6	76
67	Solid-State Fermentation for Production of Phytase by Rhizopus oligosporus. Applied Biochemistry and Biotechnology, 2002, 102-103, 251-260.	2.9	75
68	Effect of stress on growth, pigment production and morphology of Monascus sp. in solid cultures. Journal of Basic Microbiology, 2007, 47, 118-126.	3.3	75
69	Microbial production of extra-cellular phytase using polystyrene as inert solid support. Bioresource Technology, 2002, 83, 229-233.	9.6	74
70	Alpha amylase from a fungal culture grown on oil cakes and its properties. Brazilian Archives of Biology and Technology, 2004, 47, 309-317.	0.5	74
71	Potential of solid state fermentation for production of L(+)-lactic acid by Rhizopus oryzae. Applied Microbiology and Biotechnology, 1994, 41, 286-290.	3.6	72
72	Thermostable Phytase Production by Thermoascus aurantiacus in Submerged Fermentation. Applied Biochemistry and Biotechnology, 2004, 118, 205-214.	2.9	71

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73	Application of magnesium sulfate and its nanoparticles for enhanced lipid production by mixotrophic cultivation of algae using biodiesel waste. <i>Energy</i> , 2014, 78, 16-22.	8.8	70
74	Study of phycocyanin production from <i>Spirulina platensis</i> under different light spectra. <i>Brazilian Archives of Biology and Technology</i> , 2011, 54, 675-682.	0.5	69
75	Second Generation Ethanol Production from Brewers' Spent Grain. <i>Energies</i> , 2015, 8, 2575-2586.	3.1	69
76	Title is missing!. <i>World Journal of Microbiology and Biotechnology</i> , 2001, 17, 767-771.	3.6	68
77	Chemical composition and health properties of coffee and coffee by-products. <i>Advances in Food and Nutrition Research</i> , 2020, 91, 65-96.	3.0	68
78	Potential of lactic acid bacteria to improve the fermentation and quality of coffee during on-farm processing. <i>International Journal of Food Science and Technology</i> , 2016, 51, 1689-1695.	2.7	66
79	Acid and enzymatic hydrolysis to recover reducing sugars from cassava bagasse: an economic study. <i>Brazilian Archives of Biology and Technology</i> , 2002, 45, 393-400.	0.5	66
80	Bioconversion of biomass: a case study of ligno-cellulosics bioconversions in solid state fermentation. <i>Brazilian Archives of Biology and Technology</i> , 1998, 41, 379-390.	0.5	65
81	Current state of research on cocoa and coffee fermentations. <i>Current Opinion in Food Science</i> , 2016, 7, 50-57.	8.0	65
82	The behavior of kinetic parameters in production of pectinase and xylanase by solid-state fermentation. <i>Bioresource Technology</i> , 2011, 102, 10657-10662.	9.6	63
83	Green biosynthesis of single and bimetallic nanoparticles of iron and manganese using bacterial auxin complex to act as plant bio-fertilizer. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 30, 101822.	3.1	62
84	Effect of light on growth, pigment production and culture morphology of <i>Monascus purpureus</i> in solid-state fermentation. <i>World Journal of Microbiology and Biotechnology</i> , 2008, 24, 2671-2675.	3.6	61
85	Application of the biorefinery concept to produce L-lactic acid from the soybean vinasse at laboratory and pilot scale. <i>Bioresource Technology</i> , 2011, 102, 1765-1772.	9.6	61
86	Development of a vinasse nutritive solution for hydroponics. <i>Journal of Environmental Management</i> , 2013, 114, 8-12.	7.8	60
87	First description of bacterial and fungal communities in Colombian coffee beans fermentation analysed using Illumina-based amplicon sequencing. <i>Scientific Reports</i> , 2019, 9, 8794.	3.3	60
88	Title is missing!. <i>Biotechnology Letters</i> , 1998, 20, 359-362.	2.2	59
89	Development of kefir-based probiotic beverages with DNA protection and antioxidant activities using soybean hydrolyzed extract, colostrum and honey. <i>LWT - Food Science and Technology</i> , 2016, 68, 690-697.	5.2	59
90	Biorefinery integration of microalgae production into cassava processing industry: Potential and perspectives. <i>Bioresource Technology</i> , 2018, 247, 1165-1172.	9.6	59

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91	Arthrospira maxima OF15 biomass cultivation at laboratory and pilot scale from sugarcane vinasse for potential biological new peptides production. Bioresource Technology, 2019, 273, 103-113.	9.6	59
92	Statistical Optimization of Laccase Production and Delignification of Sugarcane Bagasse by <i>Pleurotus ostreatus</i> in Solid-State Fermentation. BioMed Research International, 2015, 2015, 1-8.	1.9	58
93	Solid state cultivation – an efficient method to use toxic agro-industrial residues. Journal of Basic Microbiology, 2000, 40, 187-197.	3.3	56
94	Production of L-lactic acid by Rhizopus species. World Journal of Microbiology and Biotechnology, 1994, 10, 433-435.	3.6	55
95	Effect of nutritional and environmental conditions on the production of exo-polysaccharide of Agaricus brasiliensis by submerged fermentation and its antitumor activity. LWT - Food Science and Technology, 2007, 40, 30-35.	5.2	53
96	Evidence of metabolic shift on hydrogen, ethanol and 1,3-propanediol production from crude glycerol by nitrogen sparging under micro-aerobic conditions using co-culture of Enterobacter aerogenes and Clostridium butyricum. International Journal of Hydrogen Energy, 2015, 40, 8669-8676.	7.1	53
97	Yeast Diversity and Physicochemical Characteristics Associated with Coffee Bean Fermentation from the Brazilian Cerrado Mineiro Region. Fermentation, 2017, 3, 11.	3.0	53
98	Potential applications of plant probiotic microorganisms in agriculture and forestry. AIMS Microbiology, 2017, 3, 629-648.	2.2	53
99	Experimental design to enhance the production of L-(+)-lactic acid from steam-exploded wood hydrolysate using Rhizopus oryzae in a mixed-acid fermentation. Process Biochemistry, 1999, 34, 949-955.	3.7	52
100	Relation between growth, respirometric analysis and biopigments production from Monascus by solid-state fermentation. Biochemical Engineering Journal, 2006, 29, 262-269.	3.6	52
101	Improving fruity aroma production by fungi in SSF using citric pulp. Food Research International, 2009, 42, 484-486.	6.2	52
102	Co-culture strategies for increased biohydrogen production. International Journal of Energy Research, 2015, 39, 1479-1504.	4.5	51
103	Biotransformation of limonene by an endophytic fungus using synthetic and orange residue-based media. Fungal Biology, 2017, 121, 137-144.	2.5	51
104	Biohydrogen production in cassava processing wastewater using microbial consortia: Process optimization and kinetic analysis of the microbial community. Bioresource Technology, 2020, 309, 123331.	9.6	51
105	Gibberellic Acid Production by Solid-State Fermentation in Coffee Husk. Applied Biochemistry and Biotechnology, 2002, 102-103, 179-192.	2.9	49
106	Co-Culture of Microalgae, Cyanobacteria, and Macromycetes for Exopolysaccharides Production: Process Preliminary Optimization and Partial Characterization. Applied Biochemistry and Biotechnology, 2012, 167, 1092-1106.	2.9	49
107	Great intraspecies diversity of Pichia kudriavzevii in cocoa fermentation highlights the importance of yeast strain selection for flavor modulation of cocoa beans. LWT - Food Science and Technology, 2017, 84, 290-297.	5.2	49
108	Azospirillum sp. inoculation in wheat, barley and oats seeds greenhouse experiments. Brazilian Archives of Biology and Technology, 2004, 47, 843-850.	0.5	47

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109	First Generation Bioethanol. Green Energy and Technology, 2016, , 175-212.	0.6	47
110	Bioeconomy and biofuels: the case of sugarcane ethanol in Brazil. Biofuels, Bioproducts and Biorefining, 2021, 15, 899-912.	3.7	47
111	Packed Bed Column Fermenter and Kinetic Modeling for Upgrading the Nutritional Quality of Coffee Husk in Solid-State Fermentation. Biotechnology Progress, 2001, 17, 1065-1070.	2.6	46
112	Breeding and growth of <i>Rhizopus</i> in raw cassava by solid state fermentation. Applied Microbiology and Biotechnology, 1994, 41, 330-336.	3.6	45
113	Biological activities and thermal behavior of lignin from oil palm empty fruit bunches as potential source of chemicals of added value. Industrial Crops and Products, 2016, 94, 630-637.	5.2	45
114	Energetic and economic analysis of ethanol, xylitol and lignin production using oil palm empty fruit bunches from a Brazilian factory. Journal of Cleaner Production, 2018, 195, 44-55.	9.3	45
115	FRUITY AROMA PRODUCTION BY <i>Ceratocystis fimbriata</i> IN SOLID CULTURES FROM AGRO-INDUSTRIAL WASTES. Revista De Microbiologia, 1998, 29, 208-212.	0.1	45
116	Beyond sugar and ethanol: The future of sugarcane biorefineries in Brazil. Renewable and Sustainable Energy Reviews, 2022, 167, 112721.	16.4	44
117	Influence of cofermentation by amylolytic <i>Lactobacillus</i> strains and probiotic bacteria on the fermentation process, viscosity and microstructure of gruels made of rice, soy milk and passion fruit fiber. Food Research International, 2014, 57, 104-113.	6.2	43
118	Pharmacological Properties of Biocompounds from Spores of the Lingzhi or Reishi Medicinal Mushroom <i>Ganoderma lucidum</i> (Agaricomycetes): A Review. International Journal of Medicinal Mushrooms, 2016, 18, 757-767.	1.5	42
119	Techno-economic analysis of downstream processes in itaconic acid production from fermentation broth. Journal of Cleaner Production, 2019, 206, 336-348.	9.3	42
120	Ethanol production from soybean molasses by <i>Zymomonas mobilis</i> . Biomass and Bioenergy, 2012, 44, 80-86.	5.7	41
121	Isolation, selection and evaluation of antagonistic yeasts and lactic acid bacteria against ochratoxigenic fungus <i>Aspergillus westerdijkiae</i> on coffee beans. Letters in Applied Microbiology, 2016, 62, 96-101.	2.2	41
122	<i>Bacillus atrophaeus</i> : main characteristics and biotechnological applications – a review. Critical Reviews in Biotechnology, 2015, 35, 533-545.	9.0	40
123	Lignocellulosic biomass from agro-industrial residues in South America: current developments and perspectives. Biofuels, Bioproducts and Biorefining, 2019, 13, 1505-1519.	3.7	40
124	Current analysis and future perspective of reduction in worldwide greenhouse gases emissions by using first and second generation bioethanol in the transportation sector. Bioresource Technology Reports, 2019, 7, 100234.	2.7	40
125	Effect of sequential acid-alkaline treatment on physical and chemical characteristics of lignin and cellulose from pine (<i>Pinus</i> spp.) residual sawdust. Bioresource Technology, 2020, 316, 123884.	9.6	40
126	Efficient coffee beans mucilage layer removal using lactic acid fermentation in a stirred-tank bioreactor: Kinetic, metabolic and sensorial studies. Food Bioscience, 2018, 26, 80-87.	4.4	39

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127	<i>Bacillus subtilis</i> natto as a potential probiotic in animal nutrition. Critical Reviews in Biotechnology, 2021, 41, 355-369.	9.0	39
128	Kefiran-alginate gel microspheres for oral delivery of ciprofloxacin. Colloids and Surfaces B: Biointerfaces, 2016, 145, 706-715.	5.0	38
129	Screening and bioprospecting of anaerobic consortia for biohydrogen and volatile fatty acid production in a vinasse based medium through dark fermentation. Process Biochemistry, 2018, 67, 1-7.	3.7	38
130	Lactic acid bacteria: what coffee industry should know?. Current Opinion in Food Science, 2020, 31, 1-8.	8.0	38
131	Biological hydrogen production from palm oil mill effluent (POME) by anaerobic consortia and <i>Clostridium beijerinckii</i> . Journal of Biotechnology, 2020, 323, 17-23.	3.8	38
132	Solid-state fermentation technology and innovation for the production of agricultural and animal feed bioproducts. Systems Microbiology and Biomanufacturing, 2021, 1, 142-165.	2.9	38
133	Agro-industrial wastewater in a circular economy: Characteristics, impacts and applications for bioenergy and biochemicals. Bioresource Technology, 2021, 341, 125795.	9.6	37
134	Improving Cry8Ka toxin activity towards the cotton boll weevil (<i>Anthonomus grandis</i>). BMC Biotechnology, 2011, 11, 85.	3.3	36
135	Anti-inflammatory and angiogenic activity of polysaccharide extract obtained from Tibetan kefir. Microvascular Research, 2016, 108, 29-33.	2.5	36
136	Omega-3 microbial oils from marine thraustochytrids as a sustainable and technological solution: A review and patent landscape. Trends in Food Science and Technology, 2020, 99, 244-256.	15.1	36
137	Production and Characterization of the Exopolysaccharides Produced by <i>Agaricus brasiliensis</i> in Submerged Fermentation. Applied Biochemistry and Biotechnology, 2008, 151, 283-294.	2.9	35
138	Domestic wastewater as substrate for cellulase production by <i>Trichoderma harzianum</i> . Process Biochemistry, 2017, 57, 190-199.	3.7	35
139	Effect of Co-Inoculation with <i>Pichia fermentans</i> and <i>Pediococcus acidilactici</i> on Metabolite Produced During Fermentation and Volatile Composition of Coffee Beans. Fermentation, 2019, 5, 67.	3.0	35
140	Co-culturing fructophilic lactic acid bacteria and yeast enhanced sugar metabolism and aroma formation during cocoa beans fermentation. International Journal of Food Microbiology, 2021, 339, 109015.	4.7	35
141	Citric acid bioproduction and downstream processing: Status, opportunities, and challenges. Bioresource Technology, 2021, 320, 124426.	9.6	35
142	High-Throughput rRNA Gene Sequencing Reveals High and Complex Bacterial Diversity Associated with Brazilian Coffee Beans Fermentation. Food Technology and Biotechnology, 2018, 56, 90-95.	2.1	35
143	Rice bran as a substrate for proteolytic enzyme production. Brazilian Archives of Biology and Technology, 2006, 49, 843-851.	0.5	34
144	Improvement on Citric Acid Production in Solid-state Fermentation by <i>Aspergillus niger</i> LPB BC Mutant Using Citric Pulp. Applied Biochemistry and Biotechnology, 2009, 158, 72-87.	2.9	34

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145	Hydrogen production from meat processing and restaurant waste derived crude glycerol by anaerobic fermentation and utilization of the spent broth. <i>Journal of Chemical Technology and Biotechnology</i> , 2013, 88, 2264-2271.	3.2	34
146	Lipid production in <i>Rhodospiridium toruloides</i> using C-6 and C-5 wood hydrolysate: A comparative study. <i>Biomass and Bioenergy</i> , 2019, 130, 105355.	5.7	34
147	Spore production of <i>Beauveria bassiana</i> from agro-industrial residues. <i>Brazilian Archives of Biology and Technology</i> , 2005, 48, 51-60.	0.5	33
148	Hydrolytic pre-treatment methods for enhanced biobutanol production from agro-industrial wastes. <i>Bioresource Technology</i> , 2018, 249, 673-683.	9.6	33
149	Biological contamination and its chemical control in microalgal mass cultures. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 9345-9358.	3.6	33
150	Development of a Bionematicide With <i>Paecilomyces lilacinus</i> to Control <i>Meloidogyne incognita</i> . <i>Applied Biochemistry and Biotechnology</i> , 2004, 118, 081-088.	2.9	32
151	Citric acid production by solid-state fermentation on a semi-pilot scale using different percentages of treated cassava bagasse. <i>Brazilian Journal of Chemical Engineering</i> , 2005, 22, 547-555.	1.3	32
152	Phytodegradation Potential of <i>Erythrina crista-galli</i> L., Fabaceae, in Petroleum-Contaminated Soil. <i>Applied Biochemistry and Biotechnology</i> , 2009, 157, 10-22.	2.9	32
153	Study of the influence of sporulation conditions on heat resistance of <i>Geobacillus stearothermophilus</i> used in the development of biological indicators for steam sterilization. <i>Archives of Microbiology</i> , 2012, 194, 991-999.	2.2	32
154	Pulp improvement of oil palm empty fruit bunches associated to solid-state biopulping and biobleaching with xylanase and lignin peroxidase cocktail produced by <i>Aspergillus</i> sp. LPB-5. <i>Bioresource Technology</i> , 2019, 285, 121361.	9.6	32
155	Development of an Innovative Nutraceutical Fermented Beverage from Herbal Mate (<i>Ilex</i>) Tj ETQq1 1 0.784314 rgBJ /Overlock 10 Tf 50	4.1	31
156	Hydrogen production by dark fermentation using a new low-cost culture medium composed of corn steep liquor and cassava processing water: Process optimization and scale-up. <i>Bioresource Technology</i> , 2021, 320, 124370.	9.6	31
157	Comparison of Citric Acid Production by Solid-State Fermentation in Flask, Column, Tray, and Drum Bioreactors. <i>Applied Biochemistry and Biotechnology</i> , 2004, 118, 293-304.	2.9	30
158	Lignocellulosic Bioethanol. , 2011, , 101-122.		30
159	Current developments and challenges of green technologies for the valorization of liquid, solid, and gaseous wastes from sugarcane ethanol production. <i>Journal of Hazardous Materials</i> , 2021, 404, 124059.	12.4	30
160	Kinetics of <i>Gibberella fujikuroi</i> Growth and Gibberellic Acid Production by Solid-State Fermentation in a Packed-Bed Column Bioreactor. <i>Biotechnology Progress</i> , 2004, 20, 1449-1453.	2.6	29
161	A Statistical Approach for Optimization of Polyhydroxybutyrate Production by <i>Bacillus sphaericus</i> NCIM 5149 under Submerged Fermentation Using Central Composite Design. <i>Applied Biochemistry and Biotechnology</i> , 2010, 162, 996-1007.	2.9	29
162	Mitigation of the inhibitory effect of soap by magnesium salt treatment of crude glycerol – A novel approach for enhanced biohydrogen production from the biodiesel industry waste. <i>Bioresource Technology</i> , 2014, 151, 49-53.	9.6	29

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163	L-lysine production improvement: a review of the state of the art and patent landscape focusing on strain development and fermentation technologies. <i>Critical Reviews in Biotechnology</i> , 2019, 39, 1031-1055.	9.0	29
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