

Carlos Ricardo Soccol

List of Publications by Year in descending order

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472
papers

20,712
citations

12330
69
h-index

15732
125
g-index

485
all docs

485
docs citations

485
times ranked

18005
citing authors

#	ARTICLE	IF	CITATIONS
1	Valorization of lignin from pine (<i>Pinus</i> spp.) residual sawdust: antioxidant activity and application in the green synthesis of silver nanoparticles for antibacterial purpose. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 10051-10063.	4.6	4
2	An updated review on bacterial community composition of traditional fermented milk products: what next-generation sequencing has revealed so far?. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 1870-1889.	10.3	27
3	Citric acid assisted hydrothermal pretreatment for the extraction of pectin and xylooligosaccharides production from cocoa pod husks. <i>Bioresource Technology</i> , 2022, 343, 126074.	9.6	27
4	Resistance of <i>Neochloris oleoabundans</i> to six terpenes applicable as green contamination control agents. <i>Journal of Applied Phycology</i> , 2022, 34, 261-267.	2.8	4
5	Added-value biomolecules™ production from cocoa pod husks: A review. <i>Bioresource Technology</i> , 2022, 344, 126252.	9.6	13
6	Biohydrogen Production from Agro-industrial Wastes Using <i>Clostridium beijerinckii</i> and Isolated Bacteria as Inoculum. <i>Bioenergy Research</i> , 2022, 15, 987-997.	3.9	9
7	Bioprospecting lipid-producing microorganisms: From metagenomic-assisted isolation techniques to industrial application and innovations. <i>Bioresource Technology</i> , 2022, 346, 126455.	9.6	5
8	Isolation and selection of fructose-consuming lactic acid bacteria associated with coffee bean fermentation. <i>Food Biotechnology</i> , 2022, 36, 58-75.	1.5	8
9	Exploring cocoa pod husks as a potential substrate for citric acid production by solid-state fermentation using <i>Aspergillus niger</i> mutant strain. <i>Process Biochemistry</i> , 2022, 113, 107-112.	3.7	12
10	A biorefinery approach for pectin extraction and second-generation bioethanol production from cocoa pod husk. <i>Bioresource Technology</i> , 2022, 346, 126635.	9.6	14
11	Development of a Culture Medium for Microalgae Production Based on Minimal Processing of Oil Palm Biomass Ash. <i>Fermentation</i> , 2022, 8, 55.	3.0	2
12	Application of enzymes in microbial fermentation of biomass wastes for biofuels and biochemicals production. , 2022, , 283-316.		2
13	Roles and impacts of bioethanol and biodiesel on climate change mitigation. , 2022, , 373-400.		5
14	Integrated processing of soybean in a circular bioeconomy. , 2022, , 189-216.		0
15	Pretreatments of Solid Wastes for Anaerobic Digestion and Its Importance for the Circular Economy. , 2022, , 69-94.		1
16	Enzymatic bioremediation. , 2022, , 355-381.		1
17	Converting Sugars into Cannabinoids™The State-of-the-Art of Heterologous Production in Microorganisms. <i>Fermentation</i> , 2022, 8, 84.	3.0	6
18	Sugarcane Biorefineries: Status and Perspectives in Bioeconomy. <i>Bioenergy Research</i> , 2022, 15, 1842-1853.	3.9	3

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19	High-performance immune diagnosis of tuberculosis: Use of phage display and synthetic peptide in an optimized experimental design. <i>Journal of Immunological Methods</i> , 2022, 503, 113242.	1.4	2
20	A concise update on major poly-lactic acid bioprocessing barriers. <i>Bioresource Technology Reports</i> , 2022, 18, 101094.	2.7	7
21	Biorefinery approaches for integral use of microalgal biomass. , 2022, , 321-344.		0
22	Sugarcane: A Promising Source of Green Carbon in the Circular Bioeconomy. <i>Sugar Tech</i> , 2022, 24, 1230-1245.	1.8	8
23	Beyond sugar and ethanol: The future of sugarcane biorefineries in Brazil. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 167, 112721.	16.4	44
24	Soybean hull valorization for sugar production through the optimization of citric acid pretreatment and enzymatic hydrolysis. <i>Industrial Crops and Products</i> , 2022, 186, 115178.	5.2	13
25	Biorefineries and circular economy in the production of lipids. , 2022, , 309-330.		0
26	Microbial lipids production using renewable agro-industrial liquid effluent as feedstock. , 2022, , 245-259.		0
27	Lipids produced by microalgae and thraustochytrids. , 2022, , 191-217.		0
28	Downstream processing and formulation of microbial lipids. , 2022, , 261-287.		1
29	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
30	Hydrogen: Current advances and patented technologies of its renewable production. <i>Journal of Cleaner Production</i> , 2021, 286, 124970.	9.3	83
31	Integrating microbial metagenomics and physicochemical parameters and a new perspective on starter culture for fine cocoa fermentation. <i>Food Microbiology</i> , 2021, 93, 103608.	4.2	23
32	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
33	Influence of organic solvents in the extraction and purification of torularhodin from <i>Sporobolomyces ruberrimus</i> . <i>Biotechnology Letters</i> , 2021, 43, 89-98.	2.2	9
34	Solid-state fermentation technology and innovation for the production of agricultural and animal feed bioproducts. <i>Systems Microbiology and Biomanufacturing</i> , 2021, 1, 142-165.	2.9	38
35	Lignin from oil palm empty fruit bunches: Characterization, biological activities and application in green synthesis of silver nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2021, 167, 1499-1507.	7.5	18
36	Co-culturing fructophilic lactic acid bacteria and yeast enhanced sugar metabolism and aroma formation during cocoa beans fermentation. <i>International Journal of Food Microbiology</i> , 2021, 339, 109015.	4.7	35

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37	Citric acid bioproduction and downstream processing: Status, opportunities, and challenges. Bioresource Technology, 2021, 320, 124426.	9.6	35
38	A critical techno-economic analysis of coffee processing utilizing a modern fermentation system: Implications for specialty coffee production. Food and Bioproducts Processing, 2021, 125, 14-21.	3.6	14
39	Pentose-rich hydrolysate from oil palm empty fruit bunches for Î²-glucan production using <i>Pichia jadinii</i> and <i>Cyberlindnera jadinii</i> . Bioresource Technology, 2021, 320, 124212.	9.6	1
40	Production of arachidonic acid by <i>Mortierella alpina</i> using wastes from potato chips industry. Journal of Applied Microbiology, 2021, 130, 1592-1601.	3.1	13
41	Lignocellulosic Biorefinery for Value-Added Products: The Emerging Bioeconomy. , 2021, , 291-321.		3
42	Pretreatments of Solid Wastes for Anaerobic Digestion and Its Importance for the Circular Economy. , 2021, , 1-27.		0
43	Selenium-Enriched Probiotic <i>Saccharomyces boulardii</i> CCT 4308 Biomass Production Using Low-Cost Sugarcane Molasses Medium. Brazilian Archives of Biology and Technology, 2021, 64, .	0.5	3
44	A Review on COVID-19 Diagnosis Tests Approved for Use in Brazil and the Impact on Pandemic Control. Brazilian Archives of Biology and Technology, 2021, 64, .	0.5	1
45	Recovery and valorization of CO ₂ from the organic wastes fermentation. , 2021, , 947-962.		0
46	Facility-specific "house" microbiome ensures the maintenance of functional microbial communities into coffee beans fermentation: implications for source tracking. Environmental Microbiology Reports, 2021, 13, 470-481.	2.4	15
47	Valorization of solid and liquid wastes from palm oil industry. , 2021, , 235-265.		3
48	The potential of sweet potato biorefinery and development of alternative uses. SN Applied Sciences, 2021, 3, 347.	2.9	7
49	<i>Bacillus subtilis</i> natto as a potential probiotic in animal nutrition. Critical Reviews in Biotechnology, 2021, 41, 355-369.	9.0	39
50	Bioeconomy and biofuels: the case of sugarcane ethanol in Brazil. Biofuels, Bioproducts and Biorefining, 2021, 15, 899-912.	3.7	47
51	Cocoa pod husk valorization: alkaline-enzymatic pre-treatment for propionic acid production. Cellulose, 2021, 28, 4009-4024.	4.9	15
52	In vitro cytotoxic effect of a chitin-like polysaccharide produced by <i>Mortierella alpina</i> on adrenocortical carcinoma cells H295R, and its use as mitotane adjuvant. In Vitro Cellular and Developmental Biology - Animal, 2021, 57, 395-403.	1.5	1
53	Presence and persistence of <i>Pseudomonas</i> sp. during Caspian Sea-style spontaneous milk fermentation highlights the importance of safety and regulatory concerns for traditional and ethnic foods. Food Science and Technology, 2021, 41, 273-283.	1.7	4
54	Designing enzyme cocktails from <i>Penicillium</i> and <i>Aspergillus</i> species for the enhanced saccharification of agro-industrial wastes. Bioresource Technology, 2021, 330, 124888.	9.6	15

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55	Challenges in the production of second-generation organic acids (potential monomers for) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	5.7	14
56	Global cocoa fermentation microbiome: revealing new taxa and microbial functions by next generation sequencing technologies. World Journal of Microbiology and Biotechnology, 2021, 37, 118.	3.6	14
57	Screening of Fungal Strains for Cellulolytic and Xylanolytic Activities Production and Evaluation of Brewersâ€™ Spent Grain as Substrate for Enzyme Production by Selected Fungi. Energies, 2021, 14, 4443.	3.1	3
58	Integrating metagenetics and high-throughput screening for bioprospecting marine thraustochytrids producers of long-chain polyunsaturated fatty acids. Bioresource Technology, 2021, 333, 125176.	9.6	10
59	Metagenomic analyses, isolation and characterization of endophytic bacteria associated with Eucalyptus urophylla BRS07-01 in vitro plants. World Journal of Microbiology and Biotechnology, 2021, 37, 164.	3.6	1
60	A biorefinery approach for enzymatic complex production for the synthesis of xylooligosaccharides from sugarcane bagasse. Bioresource Technology, 2021, 333, 125174.	9.6	29
61	Potential application of dextranase produced by Penicillium aculeatum in solid-state fermentation from brewer's spent grain in sugarcane process factories. Biocatalysis and Agricultural Biotechnology, 2021, 35, 102086.	3.1	9
62	Enhancement of biohydrogen production in industrial wastewaters with vinasse pond consortium using lignin-mediated iron nanoparticles. International Journal of Hydrogen Energy, 2021, 46, 27431-27443.	7.1	22
63	Simulation of different biorefinery configuration including environmental, technical and economic assay using sugarcane bagasse. Journal of Cleaner Production, 2021, 316, 128162.	9.3	6
64	Viruses in fermented foods: are they good or bad? Two sides of the same coin. Food Microbiology, 2021, 98, 103794.	4.2	18
65	Bioconversion of potato-processing wastes into an industrially-important chemical lactic acid. Bioresource Technology Reports, 2021, 15, 100698.	2.7	5
66	A review on enzyme-producing lactobacilli associated with the human digestive process: From metabolism to application. Enzyme and Microbial Technology, 2021, 149, 109836.	3.2	21
67	Soybean hulls as carbohydrate feedstock for medium to high-value biomolecule production in biorefineries: A review. Bioresource Technology, 2021, 339, 125594.	9.6	23
68	Bioethanol and succinic acid co-production from imidazole-pretreated soybean hulls. Industrial Crops and Products, 2021, 172, 114060.	5.2	2
69	Agro-industrial wastewater in a circular economy: Characteristics, impacts and applications for bioenergy and biochemicals. Bioresource Technology, 2021, 341, 125795.	9.6	37
70	Influence of Environmental Microbiota on the Activity and Metabolism of Starter Cultures Used in Coffee Beans Fermentation. Fermentation, 2021, 7, 278.	3.0	12
71	Mixotrophic Cultivation of Microalgae in Cassava Processing Wastewater for Simultaneous Treatment and Production of Lipid-Rich Biomass. Fuels, 2021, 2, 521-532.	2.7	6
72	A Review of Selection Criteria for Starter Culture Development in the Food Fermentation Industry. Food Reviews International, 2020, 36, 135-167.	8.4	89

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73	New Method for the Extraction of Single-Cell Oils from Wet Oleaginous Microbial Biomass: Efficiency, Oil Characterisation and Energy Assessment. Waste and Biomass Valorization, 2020, 11, 3443-3452.	3.4	10
74	Agrobacterium tumefaciens-mediated transformation of Eucalyptus urophylla clone BRS07-01. Journal of Forestry Research, 2020, 31, 507-519.	3.6	8
75	Sequential chemical and enzymatic pretreatment of palm empty fruit bunches for <i>Candida pelliculosa</i> bioethanol production. Biotechnology and Applied Biochemistry, 2020, 67, 723-731.	3.1	9
76	Definition of Liquid and Powder Cellulase Formulations Using Domestic Wastewater in Bubble Column Reactor. Applied Biochemistry and Biotechnology, 2020, 190, 113-128.	2.9	8
77	Lactic acid bacteria: what coffee industry should know?. Current Opinion in Food Science, 2020, 31, 1-8.	8.0	38
78	Development of short chain fatty acid-based artificial neuron network tools applied to biohydrogen production. International Journal of Hydrogen Energy, 2020, 45, 5175-5181.	7.1	25
79	Microalgal biomass pretreatment for integrated processing into biofuels, food, and feed. Bioresource Technology, 2020, 300, 122719.	9.6	105
80	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
81	Effect of Novel <i>Penicillium verruculosum</i> Enzyme Preparations on the Saccharification of Acid- and Alkali-Pretreated Agro-Industrial Residues. Agronomy, 2020, 10, 1348.	3.0	7
82	Growth kinetics, phenolic compounds profile and pigments analysis of <i>Galdieria sulphuraria</i> cultivated in whey permeate in shake-flasks and stirred-tank bioreactor. Journal of Water Process Engineering, 2020, 38, 101598.	5.6	14
83	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
84	Green biosynthesis of single and bimetallic nanoparticles of iron and manganese using bacterial auxin complex to act as plant bio-fertilizer. Biocatalysis and Agricultural Biotechnology, 2020, 30, 101822.	3.1	62
85	A non-waste strategy for enzymatic hydrolysis of cellulose recovered from domestic wastewater. Environmental Technology (United Kingdom), 2020, , 1-10.	2.2	1
86	Oilseed Enzymatic Pretreatment for Efficient Oil Recovery in Biodiesel Production Industry: a Review. Bioenergy Research, 2020, 13, 1016-1030.	3.9	21
87	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
88	Are Sugarcane Molasses Competitive Substrates for Bio-based Platform Chemicals?. Journal of Agricultural and Food Chemistry, 2020, 68, 4073-4074.	5.2	7
89	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
90	Technological mapping and trends in photobioreactors for the production of microalgae. World Journal of Microbiology and Biotechnology, 2020, 36, 42.	3.6	22

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91	Exploring the contribution of fructophilic lactic acid bacteria to cocoa beans fermentation: Isolation, selection and evaluation. Food Research International, 2020, 136, 109478.	6.2	24
92	A comparative study of extraction techniques for maximum recovery of bioactive compounds from Ganoderma lucidum spores. Revista Colombiana De Ciencias Químico Farmacéuticas, 2020, 49, .	0.1	1
93	Production, characterization, and biological activity of a chitin-like EPS produced by Mortierella alpina under submerged fermentation. Carbohydrate Polymers, 2020, 247, 116716.	10.2	11
94	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
95	Update and Revalidation of Ghose's Cellulase Assay Methodology. Applied Biochemistry and Biotechnology, 2020, 191, 1271-1279.	2.9	3
96	Bioprospection of green microalgae native to Paraná, Brazil using a multi-criteria analysis: Potential for the production of lipids, proteins, and carotenoids. Bioresource Technology Reports, 2020, 10, 100398.	2.7	8
97	Chemical composition and health properties of coffee and coffee by-products. Advances in Food and Nutrition Research, 2020, 91, 65-96.	3.0	68
98	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
99	Alternative methods for gibberellic acid production, recovery and formulation: A case study for product cost reduction. Bioresource Technology, 2020, 309, 123295.	9.6	9
100	Second-generation itaconic acid: An alternative product for biorefineries?. Bioresource Technology, 2020, 308, 123319.	9.6	12
101	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
102	Lignin as a potential source of high-added value compounds: A review. Journal of Cleaner Production, 2020, 263, 121499.	9.3	159
103	Phytochemical analysis and biological activities of in vitro cultured Nidularium procerum, a bromeliad vulnerable to extinction. Scientific Reports, 2020, 10, 7008.	3.3	17
104	Classification of enzymes and catalytic properties. , 2020, , 11-30.		18
105	Microbiological, physicochemical and sensory studies of coffee beans fermentation conducted in a yeast bioreactor model. Food Biotechnology, 2020, 34, 172-192.	1.5	12
106	In silico and in vitro Evaluation of Mimetic Peptides as Potential Antigen Candidates for Prophylaxis of Leishmaniosis. Frontiers in Chemistry, 2020, 8, 601409.	3.6	1
107	The Antihypertensive, Antimicrobial and Anticancer Peptides from Arthrospira with Therapeutic Potential: A Mini Review. Current Molecular Medicine, 2020, 20, 593-606.	1.3	18
108	Exploring the impacts of postharvest processing on the aroma formation of coffee beans " A review. Food Chemistry, 2019, 272, 441-452.	8.2	165

#	ARTICLE	IF	CITATIONS
109	Microalgal biorefineries: Integrated use of liquid and gaseous effluents from bioethanol industry for efficient biomass production. <i>Bioresource Technology</i> , 2019, 292, 121955.	9.6	22
110	Lignocellulosic Bioethanol: Current Status and Future Perspectives. , 2019, , 331-354.		20
111	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. <i>Fermentation</i> , 2019, 5, 67.	3.0	35
112	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
113	Lignocellulosic biomass from agro-industrial residues in South America: current developments and perspectives. <i>Biofuels, Bioproducts and Biorefining</i> , 2019, 13, 1505-1519.	3.7	40
114	Recovery of recombinant proteins CFP10 and ESAT6 from <i>Escherichia coli</i> inclusion bodies for tuberculosis diagnosis: a statistical optimization approach. <i>Biotechnology Research and Innovation</i> , 2019, 3, 298-305.	0.9	1
115	In Vitro Probiotic Properties and DNA Protection Activity of Yeast and Lactic Acid Bacteria Isolated from A Honey-Based Kefir Beverage. <i>Foods</i> , 2019, 8, 485.	4.3	27
116	Biological contamination and its chemical control in microalgal mass cultures. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 9345-9358.	3.6	33
117	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
118	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
119	Potential carbon fixation of industrially important microalgae. , 2019, , 67-88.		11
120	Microalgal strain selection for biofuel production. , 2019, , 51-66.		13
121	Current analysis and future perspective of reduction in worldwide greenhouse gases emissions by using first and second generation bioethanol in the transportation sector. <i>Bioresource Technology Reports</i> , 2019, 7, 100234.	2.7	40
122	Microscale direct transesterification of microbial biomass with ethanol for screening of microorganisms by its fatty acid content. <i>Brazilian Archives of Biology and Technology</i> , 2019, 62, .	0.5	5
123	Biotechnological approaches for cocoa waste management: A review. <i>Waste Management</i> , 2019, 90, 72-83.	7.4	123
124	Draft Genome Sequence of <i>Pediococcus acidilactici</i> Strain LPBC161, Isolated from Mature Coffee Cherries during Natural Fermentation. <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.6	16
125	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
126	Industrial production, patent landscape, and market trends of arachidonic acid-rich oil of <i>Mortierella alpina</i> . <i>Biotechnology Research and Innovation</i> , 2019, 3, 103-119.	0.9	22

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127	Evaluation of antioxidant activity of the fermented product from the biotransformation of R-(+)-limonene in solid-state fermentation of orange waste by <i>Diaporthe</i> sp.. <i>Biotechnology Research and Innovation</i> , 2019, 3, 168-176.	0.9	20
128	The potential of plant systems to break the HIV–TB link. <i>Plant Biotechnology Journal</i> , 2019, 17, 1868-1891.	8.3	16
129	Determination of the microbial community in Amazonian cocoa bean fermentation by Illumina-based metagenomic sequencing. <i>LWT - Food Science and Technology</i> , 2019, 106, 229-239.	5.2	77
130	Production and recovery of bioaromas synthesized by microorganisms. , 2019, , 315-338.		3
131	The effect of hydrolysis and sterilization in biohydrogen production from cassava processing wastewater medium using anaerobic bacterial consortia. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 25551-25564.	7.1	22
132	Simultaneous cellulase production using domestic wastewater and bioprocess effluent treatment “ A biorefinery approach. <i>Bioresource Technology</i> , 2019, 276, 42-50.	9.6	23
133	Digestive Enzymes: Industrial Applications in Food Products. <i>Energy, Environment, and Sustainability</i> , 2019, , 267-291.	1.0	3
134	Biological evaluation of mimetic peptides as active molecules for a new and simple skin test in an animal model. <i>Parasitology Research</i> , 2019, 118, 317-324.	1.6	1
135	<i>Arthrospira maxima</i> OF15 biomass cultivation at laboratory and pilot scale from sugarcane vinasse for potential biological new peptides production. <i>Bioresource Technology</i> , 2019, 273, 103-113.	9.6	59
136	Process parameters optimization to produce the recombinant protein CFP10 for the diagnosis of tuberculosis. <i>Protein Expression and Purification</i> , 2019, 154, 118-125.	1.3	4
137	Techno-economic analysis of downstream processes in itaconic acid production from fermentation broth. <i>Journal of Cleaner Production</i> , 2019, 206, 336-348.	9.3	42
138	Harvesting <i>Neochloris oleoabundans</i> using commercial organic flocculants. <i>Journal of Applied Phycology</i> , 2018, 30, 2317-2324.	2.8	10
139	Optimization of culture conditions for kefir production in whey: The structural and biocidal properties of the resulting polysaccharide. <i>Bioactive Carbohydrates and Dietary Fibre</i> , 2018, 16, 14-21.	2.7	24
140	Gene-silencing suppressors for high-level production of the HIV-1 entry inhibitor griffithsin in <i>Nicotiana benthamiana</i> . <i>Process Biochemistry</i> , 2018, 70, 45-54.	3.7	11
141	Screening and bioprospecting of anaerobic consortia for biohydrogen and volatile fatty acid production in a vinasse based medium through dark fermentation. <i>Process Biochemistry</i> , 2018, 67, 1-7.	3.7	38
142	Functional properties and health benefits of bioactive peptides derived from <i>Spirulina</i> : A review. <i>Food Reviews International</i> , 2018, 34, 34-51.	8.4	108
143	Biorefinery integration of microalgae production into cassava processing industry: Potential and perspectives. <i>Bioresource Technology</i> , 2018, 247, 1165-1172.	9.6	59
144	Hydrolytic pre-treatment methods for enhanced biobutanol production from agro-industrial wastes. <i>Bioresource Technology</i> , 2018, 249, 673-683.	9.6	33

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145	Crude Fermented Extract Containing Gibberellic Acid Produced by <i>Fusarium moniliforme</i> is an Alternative to Cost Reduction in Biofactories. <i>Brazilian Archives of Biology and Technology</i> , 2018, 61, .	0.5	0
146	Hairy Root-Mediated Biotransformation: Recent Advances and Exciting Prospects. , 2018, , 185-211.		9
147	How to select a probiotic? A review and update of methods and criteria. <i>Biotechnology Advances</i> , 2018, 36, 2060-2076.	11.7	296
148	Efficient coffee beans mucilage layer removal using lactic acid fermentation in a stirred-tank bioreactor: Kinetic, metabolic and sensorial studies. <i>Food Bioscience</i> , 2018, 26, 80-87.	4.4	39
149	Energetic and economic analysis of ethanol, xylitol and lignin production using oil palm empty fruit bunches from a Brazilian factory. <i>Journal of Cleaner Production</i> , 2018, 195, 44-55.	9.3	45
150	Current advances in gibberellic acid (GA3) production, patented technologies and potential applications. <i>Planta</i> , 2018, 248, 1049-1062.	3.2	81
151	Kinetics of the Solid-State Fermentation Process. , 2018, , 57-82.		6
152	Solid-State Fermentation for the Production of Mushrooms. , 2018, , 285-318.		12
153	Solid-State Fermentation for the Production of Organic Acids. , 2018, , 415-434.		24
154	Immunomodulatory and Antitumoral Properties of <i>Ganoderma lucidum</i> and <i>Agaricus brasiliensis</i> (Agaricomycetes) Medicinal Mushrooms. <i>International Journal of Medicinal Mushrooms</i> , 2018, 20, 393-403.	1.5	25
155	High-Throughput rRNA Gene Sequencing Reveals High and Complex Bacterial Diversity Associated with Brazilian Coffee Beans Fermentation. <i>Food Technology and Biotechnology</i> , 2018, 56, 90-95.	2.1	35
156	Microbial ecology and starter culture technology in coffee processing. <i>Critical Reviews in Food Science and Nutrition</i> , 2017, 57, 2775-2788.	10.3	86
157	Bioengineering Hairy Roots: Phytoremediation, Secondary Metabolism, Molecular Pharming, Plant-Plant Interactions and Biofuels. <i>Sustainable Agriculture Reviews</i> , 2017, , 213-251.	1.1	17
158	Domestic wastewater as substrate for cellulase production by <i>Trichoderma harzianum</i> . <i>Process Biochemistry</i> , 2017, 57, 190-199.	3.7	35
159	Emerging Technologies for Bioactive Applications in Foods. , 2017, , 205-226.		0
160	Biotransformation of limonene by an endophytic fungus using synthetic and orange residue-based media. <i>Fungal Biology</i> , 2017, 121, 137-144.	2.5	51
161	Great intraspecies diversity of <i>Pichia kudriavzevii</i> in cocoa fermentation highlights the importance of yeast strain selection for flavor modulation of cocoa beans. <i>LWT - Food Science and Technology</i> , 2017, 84, 290-297.	5.2	49
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