Carlos Ricardo Soccol

List of Publications by Year in Descending Order

467 papers	15,196 citations	60 h-index	110 g-index
485 ext. papers	17,515 ext. citations	4.7 avg, IF	6.81 L-index

#	Paper	IF	Citations
467	Development of a Culture Medium for Microalgae Production Based on Minimal Processing of Oil Palm Biomass Ash. *Fermentation*, **2022**, 8, 55	4.7	0
466	Application of enzymes in microbial fermentation of biomass wastes for biofuels and biochemicals production **2022**, 283-316		
465	Roles and impacts of bioethanol and biodiesel on climate change mitigation **2022**, 373-400		2
464	Integrated processing of soybean in a circular bioeconomy **2022**, 189-216		
463	Pretreatments of Solid Wastes for Anaerobic Digestion and Its Importance for the Circular Economy **2022**, 69-94		
462	Isolation and selection of fructose-consuming lactic acid bacteria associated with coffee bean fermentation. *Food Biotechnology*, **2022**, 36, 58-75	2.2	0
461	Exploring cocoa pod husks as a potential substrate for citric acid production by solid-state fermentation using Aspergillus niger mutant strain. *Process Biochemistry*, **2022**, 113, 107-112	4.8	1
460	Added-value biomolecules' production from cocoa pod husks: A review. *Bioresource Technology*, **2022**, 344, 126252	11	3
459	Citric acid assisted hydrothermal pretreatment for the extraction of pectin and xylooligosaccharides production from cocoa pod husks. *Bioresource Technology*, **2022**, 343, 126074	11	7
458	Enzymatic bioremediation **2022**, 355-381		
457	Converting Sugars into Cannabinoids□he State-of-the-Art of Heterologous Production in Microorganisms. *Fermentation*, **2022**, 8, 84	4.7	0
456	High-performance immune diagnosis of tuberculosis: Use of phage display and synthetic peptide in an optimized experimental design.. *Journal of Immunological Methods*, **2022**, 113242	2.5	0
455	A concise update on major poly-lactic acid bioprocessing barriers. *Bioresource Technology Reports*, **2022**, 18, 101094	4.1	1
454	Biorefinery approaches for integral use of microalgal biomass **2022**, 321-344		
453	Biorefineries and circular economy in the production of lipids **2022**, 309-330		
452	Microbial lipids production using renewable agro-industrial liquid effluent as feedstock **2022**, 245-259		
451	Lipids produced by microalgae and thraustochytrids **2022**, 191-217		

450	Downstream processing and formulation of microbial lipids **2022**, 261-287		0
449	Influence of Environmental Microbiota on the Activity and Metabolism of Starter Cultures Used in Coffee Beans Fermentation. *Fermentation*, **2021**, 7, 278	4.7	2
448	Bioprospecting lipid-producing microorganisms: From metagenomic-assisted isolation techniques to industrial application and innovations. *Bioresource Technology*, **2021**, 346, 126455	11	1
447	Mixotrophic Cultivation of Microalgae in Cassava Processing Wastewater for Simultaneous Treatment and Production of Lipid-Rich Biomass. *Fuels*, **2021**, 2, 521-532	2.3	1
446	A biorefinery approach for pectin extraction and second-generation bioethanol production from cocoa pod husk.. *Bioresource Technology*, **2021**, 346, 126635	11	5
445	In vitro cytotoxic effect of a chitin-like polysaccharide produced by Mortierella alpina on adrenocortical carcinoma cells H295R, and its use as mitotane adjuvant. *In Vitro Cellular and Developmental Biology - Animal*, **2021**, 57, 395-403	2.6	1
444	Presence and persistence of Pseudomonas 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	2	0
443	Designing enzyme cocktails from Penicillium and Aspergillus species for the enhanced saccharification of agro-industrial wastes. *Bioresource Technology*, **2021**, 330, 124888	11	4
442	Challenges in the production of second-generation organic acids (potential monomers for application in biopolymers). *Biomass and Bioenergy*, **2021**, 149, 106092	5.3	5
441	Global cocoa fermentation microbiome: revealing new taxa and microbial functions by next generation sequencing technologies. *World Journal of Microbiology and Biotechnology*, **2021**, 37, 118	4.4	3
440	Screening of Fungal Strains for Cellulolytic and Xylanolytic Activities Production and Evaluation of Brewers Spent Grain as Substrate for Enzyme Production by Selected Fungi. *Energies*, **2021**, 14, 4443	3.1	1
439	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. *Bioresource Technology*, **2021**, 320, 124370	11	13
438	Hydrogen: Current advances and patented technologies of its renewable production. *Journal of Cleaner Production*, **2021**, 286, 124970	10.3	27
437	Integrating microbial metagenomics and physicochemical parameters and a new perspective on starter culture for fine cocoa fermentation. *Food Microbiology*, **2021**, 93, 103608	6	6
436	Current developments and challenges of green technologies for the valorization of liquid, solid, and gaseous wastes from sugarcane ethanol production. *Journal of Hazardous Materials*, **2021**, 404, 124059	12.8	17
435	Influence of organic solvents in the extraction and purification of torularhodin from Sporobolomyces ruberrimus. *Biotechnology Letters*, **2021**, 43, 89-98	3	2
434	Solid-state fermentation technology and innovation for the production of agricultural and animal feed bioproducts. *Systems Microbiology and Biomanufacturing*, **2021**, 1, 142-165		15
433	Lignin from oil palm empty fruit bunches: Characterization, biological activities and application in green synthesis of silver nanoparticles. *International Journal of Biological Macromolecules*, **2021**, 167, 1499-1507	7.9	5

432	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	5.8	10
431	Citric acid bioproduction and downstream processing: Status, opportunities, and challenges. *Bioresource Technology*, **2021**, 320, 124426	11	14
430	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	4.9	2
429	Pentose-rich hydrolysate from oil palm empty fruit bunches for -glucan production using Pichia jadinii and Cyberlindnera jadinii. *Bioresource Technology*, **2021**, 320, 124212	11	
428	Production of arachidonic acid by Mortierella alpina using wastes from potato chips industry. *Journal of Applied Microbiology*, **2021**, 130, 1592-1601	4.7	5
427	Lignocellulosic Biorefinery for Value-Added Products: The Emerging Bioeconomy **2021**, 291-321		1
426	Pretreatments of Solid Wastes for Anaerobic Digestion and Its Importance for the Circular Economy **2021**, 1-27		
425	Recovery and valorization of CO2 from the organic wastes fermentation **2021**, 947-962		
424	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	3.7	3
423	Valorization of solid and liquid wastes from palm oil industry **2021**, 235-265		0
422	The potential of sweet potato biorefinery and development of alternative uses. *SN Applied Sciences* , **2021**, 3, 347	1.8	3
421	natto as a potential probiotic in animal nutrition. *Critical Reviews in Biotechnology*, **2021**, 41, 355-369	9.4	9
420	Bioeconomy and biofuels: the case of sugarcane ethanol in Brazil. *Biofuels, Bioproducts and Biorefining*, **2021**, 15, 899-912	5.3	15
419	Cocoa pod husk valorization: alkaline-enzymatic pre-treatment for propionic acid production. *Cellulose*, **2021**, 28, 4009-4024	5.5	7
418	Integrating metagenetics and high-throughput screening for bioprospecting marine thraustochytrids producers of long-chain polyunsaturated fatty acids. *Bioresource Technology*, **2021** , 333, 125176	11	3
417	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	4.4	0
416	A biorefinery approach for enzymatic complex production for the synthesis of xylooligosaccharides from sugarcane bagasse. *Bioresource Technology*, **2021**, 333, 125174	11	12
415	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	4.2	1

414	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	6.7	7
413	Simulation of different biorefinery configuration including environmental, technical and economic assay using sugarcane bagasse. *Journal of Cleaner Production*, **2021**, 316, 128162	10.3	2
412	Viruses in fermented foods: are they good or bad? Two sides of the same coin. *Food Microbiology*, **2021**, 98, 103794	6	1
411	Bioconversion of potato-processing wastes into an industrially-important chemical lactic acid. *Bioresource Technology Reports*, **2021**, 15, 100698	4.1	3
410	A review on enzyme-producing lactobacilli associated with the human digestive process: From metabolism to application. *Enzyme and Microbial Technology*, **2021**, 149, 109836	3.8	3
409	Soybean hulls as carbohydrate feedstock for medium to high-value biomolecule production in biorefineries: A review. *Bioresource Technology*, **2021**, 339, 125594	11	6
408	Bioethanol and succinic acid co-production from imidazole-pretreated soybean hulls. *Industrial Crops and Products*, **2021**, 172, 114060	5.9	1
407	Agro-industrial wastewater in a circular economy: Characteristics, impacts and applications for bioenergy and biochemicals. *Bioresource Technology*, **2021**, 341, 125795	11	4
406	Oilseed Enzymatic Pretreatment for Efficient Oil Recovery in Biodiesel Production Industry: a Review. *Bioenergy Research*, **2020**, 13, 1016-1030	3.1	7
405	Biological hydrogen production from palm oil mill effluent (POME) by anaerobic consortia and Clostridium beijerinckii. *Journal of Biotechnology*, **2020**, 323, 17-23	3.7	16
404	Are Sugarcane Molasses Competitive Substrates for Bio-based Platform Chemicals?. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 4073-4074	5.7	2
403	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	15.3	17
402	Technological mapping and trends in photobioreactors for the production of microalgae. *World Journal of Microbiology and Biotechnology*, **2020**, 36, 42	4.4	16
401	Exploring the contribution of fructophilic lactic acid bacteria to cocoa beans fermentation: Isolation, selection and evaluation. *Food Research International*, **2020**, 136, 109478	7	11
400	Production, characterization, and biological activity of a chitin-like EPS produced by Mortierella alpina under submerged fermentation. *Carbohydrate Polymers*, **2020**, 247, 116716	10.3	9
399	Bacillus lipopeptides as powerful pest control agents for a more sustainable and healthy agriculture: recent studies and innovations. *Planta*, **2020**, 251, 70	4.7	32
398	Update and Revalidation of Ghose's Cellulase Assay Methodology. *Applied Biochemistry and Biotechnology*, **2020**, 191, 1271-1279	3.2	2
397	Bioprospection of green microalgae native to Paran□Brazil using a multi-criteria analysis: Potential for the production of lipids, proteins, and carotenoids. *Bioresource Technology Reports*, **2020**, 10, 100398	4.1	3

396	Chemical composition and health properties of coffee and coffee by-products. *Advances in Food and Nutrition Research*, **2020**, 91, 65-96	6	25
395	Lignocellulosic biomass: Acid and alkaline pretreatments and their effects on biomass recalcitrance - Conventional processing and recent advances. *Bioresource Technology*, **2020**, 304, 122848	11	106
394	Alternative methods for gibberellic acid production, recovery and formulation: A case study for product cost reduction. *Bioresource Technology*, **2020**, 309, 123295	11	4
393	Second-generation itaconic acid: An alternative product for biorefineries?. *Bioresource Technology*, **2020**, 308, 123319	11	4
392	Biohydrogen production in cassava processing wastewater using microbial consortia: Process optimization and kinetic analysis of the microbial community. *Bioresource Technology*, **2020**, 309, 123331	11	29
391	Lignin as a potential source of high-added value compounds: A review. *Journal of Cleaner Production*, **2020**, 263, 121499	10.3	62
390	Phytochemical analysis and biological activities of in vitro cultured Nidularium procerum, a bromeliad vulnerable to extinction. *Scientific Reports*, **2020**, 10, 7008	4.9	4
389	The Antihypertensive, Antimicrobial and Anticancer Peptides from with Therapeutic Potential: A Mini Review. *Current Molecular Medicine*, **2020**, 20, 593-606	2.5	7
388	Development of short chain fatty acid-based artificial neuron network tools applied to biohydrogen production. *International Journal of Hydrogen Energy*, **2020**, 45, 5175-5181	6.7	13
387	Microalgal biomass pretreatment for integrated processing into biofuels, food, and feed. *Bioresource Technology*, **2020**, 300, 122719	11	54
386	Current advances in on-site cellulase production and application on lignocellulosic biomass conversion to biofuels: A review. *Biomass and Bioenergy*, **2020**, 132, 105419	5.3	83
385	Effect of Novel Penicillium verruculosum Enzyme Preparations on the Saccharification of Acid- and Alkali-Pretreated Agro-Industrial Residues. *Agronomy*, **2020**, 10, 1348	3.6	1
384	Growth kinetics, phenolic compounds profile and pigments analysis of Galdieria sulphuraria cultivated in whey permeate in shake-flasks and stirred-tank bioreactor. *Journal of Water Process Engineering*, **2020**, 38, 101598	6.7	5
383	An updated review on bacterial community composition of traditional fermented milk products: what next-generation sequencing has revealed so far?. *Critical Reviews in Food Science and Nutrition* , **2020**, 1-20	11.5	8
382	Effect of sequential acid-alkaline treatment on physical and chemical characteristics of lignin and cellulose from pine (Pinus spp.) residual sawdust. *Bioresource Technology*, **2020**, 316, 123884	11	16
381	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	4.2	25
380	A non-waste strategy for enzymatic hydrolysis of cellulose recovered from domestic wastewater. *Environmental Technology (United Kingdom)*, **2020**, 1-10	2.6	
379	A Review of Selection Criteria for Starter Culture Development in the Food Fermentation Industry. *Food Reviews International*, **2020**, 36, 135-167	5.5	43

378	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	3.2	7
377	Agrobacterium tumefaciens-mediated transformation of Eucalyptus urophylla clone BRS07-01. *Journal of Forestry Research*, **2020**, 31, 507-519	2	5
376	Sequential chemical and enzymatic pretreatment of palm empty fruit bunches for Candida pelliculosa bioethanol production. *Biotechnology and Applied Biochemistry*, **2020**, 67, 723-731	2.8	4
375	Definition of Liquid and Powder Cellulase Formulations Using Domestic Wastewater in Bubble Column Reactor. *Applied Biochemistry and Biotechnology*, **2020**, 190, 113-128	3.2	5
374	Lactic acid bacteria: what coffee industry should know?. *Current Opinion in Food Science*, **2020**, 31, 1-8	9.8	12
373	Classification of enzymes and catalytic properties **2020**, 11-30		8
372	Microbiological, physicochemical and sensory studies of coffee beans fermentation conducted in a yeast bioreactor model. *Food Biotechnology*, **2020**, 34, 172-192	2.2	5
371	and Evaluation of Mimetic Peptides as Potential Antigen Candidates for Prophylaxis of Leishmaniosis. *Frontiers in Chemistry*, **2020**, 8, 601409	5	1
370	Lipid production in Rhodosporidium toruloides using C-6 and C-5 wood hydrolysate: A comparative study. *Biomass and Bioenergy*, **2019**, 130, 105355	5.3	14
369	L-lysine production improvement: a review of the state of the art and patent landscape focusing on strain development and fermentation technologies. *Critical Reviews in Biotechnology*, **2019**, 39, 1031-1055	9.4	11
368	Potential carbon fixation of industrially important microalgae **2019**, 67-88		9
367	Microalgal strain selection for biofuel production **2019**, 51-66		11
366	Bioactive Polysaccharides Produced by Microorganisms: Production and Applications **2019**, 231-251		1
365	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	4.1	26
364	Microscale direct transesterification of microbial biomass with ethanol for screening of microorganisms by its fatty acid content. *Brazilian Archives of Biology and Technology*, **2019**, 62,	1.8	4
363	Biotechnological approaches for cocoa waste management: A review. *Waste Management*, **2019**, 90, 72-83	8.6	62
362	Draft Genome Sequence of Pediococcus acidilactici Strain LPBC161, Isolated from Mature Coffee Cherries during Natural Fermentation. *Microbiology Resource Announcements*, **2019**, 8,	1.3	6
361	Pulp improvement of oil palm empty fruit bunches associated to solid-state biopulping and biobleaching with xylanase and lignin peroxidase cocktail produced by Aspergillus sp. LPB-5. *Bioresource Technology*, **2019**, 285, 121361	11	18

360	Industrial production, patent landscape, and market trends of arachidonic acid-rich oil of Mortierella alpina. *Biotechnology Research and Innovation*, **2019**, 3, 103-119	10.1	13
359	Evaluation of antioxidant activity of the fermented product from the biotransformation of R-(+)-limonene in solid-state fermentation of orange waste by Diaporthe sp.. *Biotechnology Research and Innovation*, **2019**, 3, 168-176	10.1	9
358	The potential of plant systems to break the HIV-TB link. *Plant Biotechnology Journal*, **2019**, 17, 1868-1891	11.6	12
357	Exploring the impacts of postharvest processing on the aroma formation of coffee beans - A review. *Food Chemistry*, **2019**, 272, 441-452	8.5	88
356	Microalgal biorefineries: Integrated use of liquid and gaseous effluents from bioethanol industry for efficient biomass production. *Bioresource Technology*, **2019**, 292, 121955	11	11
355	Lignocellulosic Bioethanol: Current Status and Future Perspectives **2019**, 331-354		16
354	Effect of Co-Inoculation with Pichia fermentans and Pediococcus acidilactici on Metabolite Produced During Fermentation and Volatile Composition of Coffee Beans. *Fermentation*, **2019**, 5, 67	4.7	12
353	First description of bacterial and fungal communities in Colombian coffee beans fermentation analysed using Illumina-based amplicon sequencing. *Scientific Reports*, **2019**, 9, 8794	4.9	21
352	Lignocellulosic biomass from agro-industrial residues in South America: current developments and perspectives. *Biofuels, Bioproducts and Biorefining*, **2019**, 13, 1505-1519	5.3	27
351	Recovery of recombinant proteins CFP10 and ESAT6 from Escherichia coli inclusion bodies for tuberculosis diagnosis: a statistical optimization approach. *Biotechnology Research and Innovation*, **2019**, 3, 298-305	10.1	1
350	In Vitro Probiotic Properties and DNA Protection Activity of Yeast and Lactic Acid Bacteria Isolated from A Honey-Based Kefir Beverage. *Foods*, **2019**, 8,	4.9	10
349	Biological contamination and its chemical control in microalgal mass cultures. *Applied Microbiology and Biotechnology*, **2019**, 103, 9345-9358	5.7	19
348	Determination of the microbial community in Amazonian cocoa bean fermentation by Illumina-based metagenomic sequencing. *LWT - Food Science and Technology*, **2019**, 106, 229-239	5.4	47
347	Production and recovery of bioaromas synthesized by microorganisms **2019**, 315-338		0
346	The effect of hydrolysis and sterilization in biohydrogen production from cassava processing wastewater medium using anaerobic bacterial consortia. *International Journal of Hydrogen Energy*, **2019**, 44, 25551-25564	6.7	14
345	Simultaneous cellulase production using domestic wastewater and bioprocess effluent treatment - A biorefinery approach. *Bioresource Technology*, **2019**, 276, 42-50	11	17
344	Digestive Enzymes: Industrial Applications in Food Products. *Energy, Environment, and Sustainability* , **2019**, 267-291	0.8	2
343	Biological evaluation of mimetic peptides as active molecules for a new and simple skin test in an animal model. *Parasitology Research*, **2019**, 118, 317-324	2.4	1

342	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	11	41
341	Process parameters optimization to produce the recombinant protein CFP10 for the diagnosis of tuberculosis. *Protein Expression and Purification*, **2019**, 154, 118-125	2	3
340	Techno-economic analysis of downstream processes in itaconic acid production from fermentation broth. *Journal of Cleaner Production*, **2019**, 206, 336-348	10.3	28
339	Harvesting Neochloris oleoabundans using commercial organic flocculants. *Journal of Applied Phycology*, **2018**, 30, 2317-2324	3.2	7
338	Optimization of culture conditions for kefiran production in whey: The structural and biocidal properties of the resulting polysaccharide. *Bioactive Carbohydrates and Dietary Fibre*, **2018**, 16, 14-21	3.4	16
337	Gene-silencing suppressors for high-level production of the HIV-1 entry inhibitor griffithsin in. *Process Biochemistry*, **2018**, 70, 45-54	4.8	6
336	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	4.8	26
335	Functional properties and health benefits of bioactive peptides derived from Spirulina: A review. *Food Reviews International*, **2018**, 34, 34-51	5.5	70
334	Biorefinery integration of microalgae production into cassava processing industry: Potential and perspectives. *Bioresource Technology*, **2018**, 247, 1165-1172	11	42
333	Hydrolytic pre-treatment methods for enhanced biobutanol production from agro-industrial wastes. *Bioresource Technology*, **2018**, 249, 673-683	11	27
332	Current advances in gibberellic acid (GA) production, patented technologies and potential applications. *Planta*, **2018**, 248, 1049-1062	4.7	38
331	Kinetics of the Solid-State Fermentation Process **2018**, 57-82		4
330	Solid-State Fermentation for the Production of Mushrooms **2018**, 285-318		7
329	Solid-State Fermentation for the Production of Organic Acids **2018**, 415-434		16
328	Recent Advances in Vaccines Against Leishmania Based on Patent Applications. *Recent Patents on Biotechnology*, **2018**, 12, 21-32	2.2	17
327	Immunomodulatory and Antitumoral Properties of Ganoderma lucidum and Agaricus brasiliensis (Agaricomycetes) Medicinal Mushrooms. *International Journal of Medicinal Mushrooms*, **2018**, 20, 393-403	1.3	15
326	High-Throughput rRNA Gene Sequencing Reveals High?and Complex Bacterial Diversity Associated with?Brazilian Coffee Bean Fermentation. *Food Technology and Biotechnology*, **2018**, 56, 90-95	2.1	18
325	Hairy Root-Mediated Biotransformation: Recent Advances and Exciting Prospects **2018**, 185-211		5

324	How to select a probiotic? A review and update of methods and criteria. *Biotechnology Advances*, **2018**, 36, 2060-2076	17.8	164
323	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	4.9	18
322	Microbial Metabolic Pathways in the Production of Valued-added Products **2018**, 137-167		1
321	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	10.3	38
320	Microbial ecology and starter culture technology in coffee processing. *Critical Reviews in Food Science and Nutrition*, **2017**, 57, 2775-2788	11.5	51
319	Bioengineering Hairy Roots: Phytoremediation, Secondary Metabolism, Molecular Pharming, Plant-Plant Interactions and Biofuels. *Sustainable Agriculture Reviews*, **2017**, 213-251	1.3	13
318	Domestic wastewater as substrate for cellulase production by Trichoderma harzianum. *Process Biochemistry*, **2017**, 57, 190-199	4.8	31
317	Emerging Technologies for Bioactive Applications in Foods **2017**, 205-226		
316	Biotransformation of limonene by an endophytic fungus using synthetic and orange residue-based media. *Fungal Biology*, **2017**, 121, 137-144	2.8	38
315	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	5.4	31
314	Optimization of inside and outside factors to improve recombinant protein yield in plant. *Plant Cell, Tissue and Organ Culture*, **2017**, 130, 449-467	2.7	18
313	Recent developments and innovations in solid state fermentation. *Biotechnology Research and Innovation*, **2017**, 1, 52-71	10.1	232
312	Microbiological, biochemical, and functional aspects of sugary kefir fermentation - A review. *Food Microbiology*, **2017**, 66, 86-95	6	91
311	Use of pervaporation process for the recovery of aroma compounds produced by P. fermentans in sugarcane molasses. *Bioprocess and Biosystems Engineering*, **2017**, 40, 959-967	3.7	11
310	Gibberellic Acid Production by Different Fermentation Systems Using Citric Pulp as Substrate/Support. *BioMed Research International*, **2017**, 2017, 5191046	3	19
309	Development of a Rabies Vaccine in Cell Culture for Veterinary Use in the Lyophilized Form **2017**, 523-560		0
308	Peroxidases **2017**, 217-232		8
307	Antileishmanial Biocompound Screening **2017**, 563-594		

306	Cachaã and Rum **2017**, 451-468		6
305	New strategy to improve quality control of Montenegro skin test at the production level. *Revista Da Sociedade Brasileira De Medicina Tropical*, **2017**, 50, 788-794	1.5	5
304	Cloning and Expression of a Heterologous Protein With Imunological Potential Against Corynebacterium diphtheriae **2017**, 479-497		
303	Two-phase partitioning detoxification to improve biobutanol production from brewery industry wastes. *Chemical Engineering Journal*, **2017**, 330, 1100-1108	14.7	13
302	Production and Application of Lactic Acid **2017**, 543-556		13
301	Production and Application of Citric Acid **2017**, 557-575		10
300	Downstream process development in biotechnological itaconic acid manufacturing. *Applied Microbiology and Biotechnology*, **2017**, 101, 1-12	5.7	162
299	Pilot scale biodiesel production from microbial oil of Rhodosporidium toruloides DEBB 5533 using sugarcane juice: Performance in diesel engine and preliminary economic study. *Bioresource Technology*, **2017**, 223, 259-268	11	117
298	Technological trends and market perspectives for production of microbial oils rich in omega-3. *Critical Reviews in Biotechnology*, **2017**, 37, 656-671	9.4	76
297	Production and Application of Polylactides **2017**, 633-653		1
296	Veterinary Rabies Vaccine **2017**, 499-521		1
295	Milk Immunoglobulins and Their Implications for Health Promotion **2017**, 87-96		1
294	Development of Process to Produce Recombinant Component for Acellular Pertussis Vaccine **2017**, 459-477		
293	Synthetic Peptides as Potential Antigens for Cutaneous Leishmaniosis Diagnosis. *Journal of Immunology Research*, **2017**, 2017, 5871043	4.5	11
292	Nattokinases **2017**, 509-526		2
291	Approaches for the Isolation and Purification of Fermentation Products **2017**, 783-805		2
290	Cell Disruption and Isolation of Intracellular Products **2017**, 807-822		3
289	Laccases **2017**, 199-216		4

288	Yeast Diversity and Physicochemical Characteristics Associated with Coffee Bean Fermentation from the Brazilian Cerrado Mineiro Region. *Fermentation*, **2017**, 3, 11	4.7	30
287	Production and Characterization of a Distilled Alcoholic Beverage Obtained by Fermentation of Banana Waste (Musa cavendishii) from Selected Yeast. *Fermentation*, **2017**, 3, 62	4.7	4
286	Potential applications of plant probiotic microorganisms in agriculture and forestry. *AIMS Microbiology*, **2017**, 3, 629-648	4.5	25
285	Residual compost from the production of Bactris gasipaes Kunth and Pleurotus ostreatus as soil conditioners for Lactuca sativa Veronica *Semina:Ciencias Agrarias*, **2017**, 38, 581	0.6	4
284	Bacillus thuringiensis: mechanism of action, resistance, and new applications: a review. *Critical Reviews in Biotechnology*, **2016**, 36, 317-26	9.4	120
283	Pharmacological Properties of Biocompounds from Spores of the Lingzhi or Reishi Medicinal Mushroom Ganoderma lucidum (Agaricomycetes): A Review. *International Journal of Medicinal Mushrooms*, **2016**, 18, 757-767	1.3	23
282	Bioethanol from Soybean Molasses. *Green Energy and Technology*, **2016**, 241-254	0.6	4
281	Bioethanol Wastes: Economic Valorization. *Green Energy and Technology*, **2016**, 255-289	0.6	3
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