

Carlos Ricardo Soccol

List of Publications by Citations

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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	Biotechnological potential of agro-industrial residues. I: sugarcane bagasse. <i>Bioresource Technology</i> , 2000 , 74, 69-80	11	797
466	New developments in solid state fermentation: I-bioprocesses and products. <i>Process Biochemistry</i> , 2000 , 35, 1153-1169	4.8	729
465	Advances in microbial amylases. <i>Biotechnology and Applied Biochemistry</i> , 2000 , 31, 135-52	2.8	612
464	Recent advances in solid-state fermentation. <i>Biochemical Engineering Journal</i> , 2009 , 44, 13-18	4.2	533
463	Potential carbon dioxide fixation by industrially important microalgae. <i>Bioresource Technology</i> , 2010 , 101, 5892-6	11	364
462	The realm of microbial lipases in biotechnology. <i>Biotechnology and Applied Biochemistry</i> , 1999 , 29, 119-31	1.8	355
461	Trends in non-dairy probiotic beverages. <i>Food Research International</i> , 2008 , 41, 111-123	7	337
460	Oil cakes and their biotechnological applications--a review. <i>Bioresource Technology</i> , 2007 , 98, 2000-9	11	329
459	Biotechnological potential of coffee pulp and coffee husk for bioprocesses. <i>Biochemical Engineering Journal</i> , 2000 , 6, 153-162	4.2	308
458	Biotechnological potential of agro-industrial residues. II: cassava bagasse. <i>Bioresource Technology</i> , 2000 , 74, 81-87	11	290
457	Bioethanol from lignocelluloses: Status and perspectives in Brazil. <i>Bioresource Technology</i> , 2010 , 101, 4820-5	11	282
456	Recent developments and innovations in solid state fermentation. <i>Biotechnology Research and Innovation</i> , 2017 , 1, 52-71	10.1	232
455	Production, purification and properties of microbial phytases. <i>Bioresource Technology</i> , 2001 , 77, 203-14	11	220
454	Screening of microalgae with potential for biodiesel production and nutrient removal from treated domestic sewage. <i>Applied Energy</i> , 2011 , 88, 3291-3294	10.7	187
453	Recent developments in microbial inulinases. Its production, properties, and industrial applications. <i>Applied Biochemistry and Biotechnology</i> , 1999 , 81, 35-52	3.2	178
452	Milk kefir: composition, microbial cultures, biological activities, and related products. <i>Frontiers in Microbiology</i> , 2015 , 6, 1177	5.7	167
451	How to select a probiotic? A review and update of methods and criteria. <i>Biotechnology Advances</i> , 2018 , 36, 2060-2076	17.8	164

450	Downstream process development in biotechnological itaconic acid manufacturing. <i>Applied Microbiology and Biotechnology</i> , 2017 , 101, 1-12	5.7	162
449	Overview of applied solid-state fermentation in Brazil. <i>Biochemical Engineering Journal</i> , 2003 , 13, 205-218	8.2	160
448	Bacteriocins from lactic acid bacteria: purification, properties and use as biopreservatives. <i>Brazilian Archives of Biology and Technology</i> , 2007 , 50, 512-542	1.8	151
447	Solid-state fermentation for the production of <i>Monascus</i> pigments from jackfruit seed. <i>Bioresource Technology</i> , 2007 , 98, 1554-60	11	135
446	Solid-state fermentation for the synthesis of citric acid by <i>Aspergillus niger</i> . <i>Bioresource Technology</i> , 2000 , 74, 175-178	11	125
445	Production of bio-ethanol from soybean molasses by <i>Saccharomyces cerevisiae</i> at laboratory, pilot and industrial scales. <i>Bioresource Technology</i> , 2008 , 99, 8156-63	11	121
444	<i>Bacillus thuringiensis</i> : mechanism of action, resistance, and new applications: a review. <i>Critical Reviews in Biotechnology</i> , 2016 , 36, 317-26	9.4	120
443	Pilot scale biodiesel production from microbial oil of <i>Rhodosporidium toruloides</i> DEBB 5533 using sugarcane juice: Performance in diesel engine and preliminary economic study. <i>Bioresource Technology</i> , 2017 , 223, 259-268	11	117
442	Microbial hydrogen production by bioconversion of crude glycerol: A review. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 6473-6490	6.7	113
441	Biological detoxification of coffee husk by filamentous fungi using a solid state fermentation system. <i>Enzyme and Microbial Technology</i> , 2000 , 27, 127-133	3.8	108
440	Lignocellulosic biomass: Acid and alkaline pretreatments and their effects on biomass recalcitrance - Conventional processing and recent advances. <i>Bioresource Technology</i> , 2020 , 304, 122848	11	106
439	Extra-cellular l-glutaminase production by <i>Zygosaccharomyces rouxii</i> under solid-state fermentation. <i>Process Biochemistry</i> , 2002 , 38, 307-312	4.8	101
438	Characterization and stability of proteases from <i>Penicillium</i> sp. produced by solid-state fermentation. <i>Enzyme and Microbial Technology</i> , 2003 , 32, 246-251	3.8	97
437	Fruity flavour production by <i>Ceratocystis fimbriata</i> grown on coffee husk in solid-state fermentation. <i>Process Biochemistry</i> , 2000 , 35, 857-861	4.8	92
436	Microbiological, biochemical, and functional aspects of sugary kefir fermentation - A review. <i>Food Microbiology</i> , 2017 , 66, 86-95	6	91
435	Batch fermentation model of propionic acid production by <i>Propionibacterium acidipropionici</i> in different carbon sources. <i>Applied Biochemistry and Biotechnology</i> , 2008 , 151, 333-41	3.2	89
434	Exploring the impacts of postharvest processing on the aroma formation of coffee beans - A review. <i>Food Chemistry</i> , 2019 , 272, 441-452	8.5	88
433	Production of fumaric acid by fermentation of enzymatic hydrolysates derived from cassava bagasse. <i>Bioresource Technology</i> , 1999 , 68, 23-28	11	88

432	Optimization of the production of aroma compounds by <i>Kluyveromyces marxianus</i> in solid-state fermentation using factorial design and response surface methodology. <i>Biochemical Engineering Journal</i> , 2000 , 6, 33-39	4.2	87
431	Economic process to produce biohydrogen and volatile fatty acids by a mixed culture using vinasse from sugarcane ethanol industry as nutrient source. <i>Bioresource Technology</i> , 2014 , 159, 380-6	11	86
430	Isolation, selection and evaluation of yeasts for use in fermentation of coffee beans by the wet process. <i>International Journal of Food Microbiology</i> , 2014 , 188, 60-6	5.8	85
429	Pretreatment strategies for delignification of sugarcane bagasse: a review. <i>Brazilian Archives of Biology and Technology</i> , 2013 , 56, 679-689	1.8	84
428	Current advances in on-site cellulase production and application on lignocellulosic biomass conversion to biofuels: A review. <i>Biomass and Bioenergy</i> , 2020 , 132, 105419	5.3	83
427	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. <i>Brazilian Archives of Biology and Technology</i> , 2011 , 54, 783-794	1.8	79
426	Characterization of volatile compounds produced by <i>Rhizopus</i> strains grown on agro-industrial solid wastes. <i>Bioresource Technology</i> , 2000 , 71, 211-215	11	79
425	Technological trends and market perspectives for production of microbial oils rich in omega-3. <i>Critical Reviews in Biotechnology</i> , 2017 , 37, 656-671	9.4	76
424	Microbial production of citric acid. <i>Brazilian Archives of Biology and Technology</i> , 1999 , 42, 263-276	1.8	76
423	Production of <i>Flammulina velutipes</i> on coffee husk and coffee spent-ground. <i>Brazilian Archives of Biology and Technology</i> , 2001 , 44, 205-212	1.8	74
422	Biopigments from <i>Monascus</i> : strains selection, citrinin production and color stability. <i>Brazilian Archives of Biology and Technology</i> , 2005 , 48, 885-894	1.8	71
421	Functional properties and health benefits of bioactive peptides derived from <i>Spirulina</i> : A review. <i>Food Reviews International</i> , 2018 , 34, 34-51	5.5	70
420	Characterization of laccase isoforms produced by <i>Pleurotus ostreatus</i> in solid state fermentation of sugarcane bagasse. <i>Bioresource Technology</i> , 2012 , 114, 735-9	11	70
419	Use of various coffee industry residues for the cultivation of <i>Pleurotus ostreatus</i> in solid state fermentation. <i>Acta Biotechnologica</i> , 2000 , 20, 41-52		70
418	Recent developments in microbial oils production: a possible alternative to vegetable oils for biodiesel without competition with human food?. <i>Brazilian Archives of Biology and Technology</i> , 2012 , 55, 29-46	1.8	68
417	Microbial production of extra-cellular phytase using polystyrene as inert solid support. <i>Bioresource Technology</i> , 2002 , 83, 229-33	11	66
416	Solid-state fermentation for production of phytase by <i>Rhizopus oligosporus</i> . <i>Applied Biochemistry and Biotechnology</i> , 2002 , 102-103, 251-60	3.2	65
415	Lignin preparation from oil palm empty fruit bunches by sequential acid/alkaline treatment--A biorefinery approach. <i>Bioresource Technology</i> , 2015 , 194, 172-8	11	64

414	Effect of stress on growth, pigment production and morphology of <i>Monascus</i> sp. in solid cultures. <i>Journal of Basic Microbiology</i> , 2007 , 47, 118-26	2.7	64
413	Potential of solid state fermentation for production of L(+)-lactic acid by <i>Rhizopus oryzae</i> . <i>Applied Microbiology and Biotechnology</i> , 1994 , 41, 286-290	5.7	64
412	Biotechnological approaches for cocoa waste management: A review. <i>Waste Management</i> , 2019 , 90, 72-83	8.6	62
411	Lignin as a potential source of high-added value compounds: A review. <i>Journal of Cleaner Production</i> , 2020 , 263, 121499	10.3	62
410	Development and evaluation of a fermented coconut water beverage with potential health benefits. <i>Journal of Functional Foods</i> , 2015 , 12, 489-497	5.1	62
409	New perspectives of gibberellic acid production: a review. <i>Critical Reviews in Biotechnology</i> , 2012 , 32, 263-73	9.4	61
408	Conducting starter culture-controlled fermentations of coffee beans during on-farm wet processing: Growth, metabolic analyses and sensorial effects. <i>Food Research International</i> , 2015 , 75, 3487-356	7.3	60
407	Thermostable phytase production by <i>Thermoascus aurantiacus</i> in submerged fermentation. <i>Applied Biochemistry and Biotechnology</i> , 2004 , 118, 205-14	3.2	60
406	Second Generation Ethanol Production from Brewers Spent Grain. <i>Energies</i> , 2015 , 8, 2575-2586	3.1	59
405	Polyhydroxybutyrate production using agro-industrial residue as substrate by <i>Bacillus sphaericus</i> NCIM 5149. <i>Brazilian Archives of Biology and Technology</i> , 2009 , 52, 17-23	1.8	59
404	Steam explosion pretreatment of oil palm empty fruit bunches (EFB) using autocatalytic hydrolysis: A biorefinery approach. <i>Bioresource Technology</i> , 2016 , 199, 173-180	11	57
403	Aroma compounds produced by <i>Kluyveromyces marxianus</i> in solid state fermentation on a packed bed column bioreactor. <i>World Journal of Microbiology and Biotechnology</i> , 2001 , 17, 767-771	4.4	57
402	The behavior of kinetic parameters in production of pectinase and xylanase by solid-state fermentation. <i>Bioresource Technology</i> , 2011 , 102, 10657-62	11	56
401	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, 1765-72	11	54
400	Microalgal biomass pretreatment for integrated processing into biofuels, food, and feed. <i>Bioresource Technology</i> , 2020 , 300, 122719	11	54
399	Life cycle and spore resistance of spore-forming <i>Bacillus atrophaeus</i> . <i>Microbiological Research</i> , 2014 , 169, 931-9	5.3	53
398	Alpha amylase from a fungal culture grown on oil cakes and its properties. <i>Brazilian Archives of Biology and Technology</i> , 2004 , 47, 309-317	1.8	53
397	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	1.8	52

396	Microbial ecology and starter culture technology in coffee processing. <i>Critical Reviews in Food Science and Nutrition</i> , 2017 , 57, 2775-2788	11.5	51
395	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	1.8	51
394	Solid state cultivation--an efficient method to use toxic agro-industrial residues. <i>Journal of Basic Microbiology</i> , 2000 , 40, 187-97	2.7	50
393	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	4.4	49
392	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	5.4	48
391	Statistical Optimization of Laccase Production and Delignification of Sugarcane Bagasse by <i>Pleurotus ostreatus</i> in Solid-State Fermentation. <i>BioMed Research International</i> , 2015 , 2015, 181204	3	48
390	Experimental design to enhance the production of l-(+)-lactic acid from steam-exploded wood hydrolysate using <i>Rhizopus oryzae</i> in a mixed-acid fermentation. <i>Process Biochemistry</i> , 1999 , 34, 949-955	4.8	48
389	Production of L-lactic acid by <i>Rhizopus</i> species. <i>World Journal of Microbiology and Biotechnology</i> , 1994 , 10, 433-5	4.4	47
388	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	1.8	47
387	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	5.4	47
386	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	7.9	46
385	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 <i>Enterobacter aerogenes</i> and <i>Clostridium butyricum</i> . <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 8669-8676	6.7	46
384	Production of volatile compounds by the edible fungus <i>Rhizopus oryzae</i> during solid state cultivation on tropical agro-industrial substrates. <i>Biotechnology Letters</i> , 1998 , 20, 359-362	3	46
383	Co-culture strategies for increased biohydrogen production. <i>International Journal of Energy Research</i> , 2015 , 39, 1479-1504	4.5	43
382	Effect of nutritional and environmental conditions on the production of exo-polysaccharide of <i>Agaricus brasiliensis</i> by submerged fermentation and its antitumor activity. <i>LWT - Food Science and Technology</i> , 2007 , 40, 30-35	5.4	43
381	A Review of Selection Criteria for Starter Culture Development in the Food Fermentation Industry. <i>Food Reviews International</i> , 2020 , 36, 135-167	5.5	43
380	Biorefinery integration of microalgae production into cassava processing industry: Potential and perspectives. <i>Bioresource Technology</i> , 2018 , 247, 1165-1172	11	42
379	Current state of research on cocoa and coffee fermentations. <i>Current Opinion in Food Science</i> , 2016 , 7, 50-57	9.8	42

378	Development of a vinasse nutritive solution for hydroponics. <i>Journal of Environmental Management</i> , 2013 , 114, 8-12	7.9	42
377	Improving fruity aroma production by fungi in SSF using citric pulp. <i>Food Research International</i> , 2009 , 42, 484-486	7	42
376	Relation between growth, respirometric analysis and biopigments production from <i>Monascus</i> by solid-state fermentation. <i>Biochemical Engineering Journal</i> , 2006 , 29, 262-269	4.2	42
375	<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	11	41
374	Co-culture of microalgae, cyanobacteria, and macromycetes for exopolysaccharides production: process preliminary optimization and partial characterization. <i>Applied Biochemistry and Biotechnology</i> , 2012 , 167, 1092-106	3.2	40
373	Packed bed column fermenter and kinetic modeling for upgrading the nutritional quality of coffee husk in solid-state fermentation. <i>Biotechnology Progress</i> , 2001 , 17, 1065-70	2.8	39
372	FRUITY AROMA PRODUCTION BY <i>Ceratocystis fimbriata</i> IN SOLID CULTURES FROM AGRO-INDUSTRIAL WASTES. <i>Revista De Microbiologia</i> , 1998 , 29, 208-212		39
371	Biotransformation of limonene by an endophytic fungus using synthetic and orange residue-based media. <i>Fungal Biology</i> , 2017 , 121, 137-144	2.8	38
370	Current advances in gibberellic acid (GA) production, patented technologies and potential applications. <i>Planta</i> , 2018 , 248, 1049-1062	4.7	38
369	Breeding and growth of <i>Rhizopus</i> in raw cassava by solid state fermentation. <i>Applied Microbiology and Biotechnology</i> , 1994 , 41, 330-336	5.7	38
368	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	10.3	38
367	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. <i>Food Research International</i> , 2014 , 57, 104-113	7	36
366	Gibberellic acid production by solid-state fermentation in coffee husk. <i>Applied Biochemistry and Biotechnology</i> , 2002 , 102-103, 179-91	3.2	36
365	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	3.8	36
364	First Generation Bioethanol. <i>Green Energy and Technology</i> , 2016 , 175-212	0.6	34
363	Ethanol production from soybean molasses by <i>Zymomonas mobilis</i> . <i>Biomass and Bioenergy</i> , 2012 , 44, 80-86	5.3	34
362	Biological activities and thermal behavior of lignin from oil palm empty fruit bunches as potential source of chemicals of added value. <i>Industrial Crops and Products</i> , 2016 , 94, 630-637	5.9	33
361	<i>Bacillus</i> lipopeptides as powerful pest control agents for a more sustainable and healthy agriculture: recent studies and innovations. <i>Planta</i> , 2020 , 251, 70	4.7	32

360	Domestic wastewater as substrate for cellulase production by <i>Trichoderma harzianum</i> . <i>Process Biochemistry</i> , 2017 , 57, 190-199	4.8	31
359	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	5.4	31
358	<i>Azospirillum</i> sp . inoculation in wheat, barley and oats seeds greenhouse experiments. <i>Brazilian Archives of Biology and Technology</i> , 2004 , 47, 843-850	1.8	31
357	Yeast Diversity and Physicochemical Characteristics Associated with Coffee Bean Fermentation from the Brazilian Cerrado Mineiro Region. <i>Fermentation</i> , 2017 , 3, 11	4.7	30
356	Production and characterization of the exopolysaccharides produced by <i>Agaricus brasiliensis</i> in submerged fermentation. <i>Applied Biochemistry and Biotechnology</i> , 2008 , 151, 283-94	3.2	30
355	Kefiran-alginate gel microspheres for oral delivery of ciprofloxacin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 145, 706-715	6	30
354	<i>Bacillus atrophaeus</i> : main characteristics and biotechnological applications - a review. <i>Critical Reviews in Biotechnology</i> , 2015 , 35, 533-45	9.4	29
353	Biohydrogen production in cassava processing wastewater using microbial consortia: Process optimization and kinetic analysis of the microbial community. <i>Bioresource Technology</i> , 2020 , 309, 123331 ¹¹		29
352	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	3.5	29
351	Improving Cry8Ka toxin activity towards the cotton boll weevil (<i>Anthonomus grandis</i>). <i>BMC Biotechnology</i> , 2011 , 11, 85	3.5	29
350	Improvement on citric acid production in solid-state fermentation by <i>Aspergillus niger</i> LPB BC mutant using citric pulp. <i>Applied Biochemistry and Biotechnology</i> , 2009 , 158, 72-87	3.2	28
349	Techno-economic analysis of downstream processes in itaconic acid production from fermentation broth. <i>Journal of Cleaner Production</i> , 2019 , 206, 336-348	10.3	28
348	Hydrolytic pre-treatment methods for enhanced biobutanol production from agro-industrial wastes. <i>Bioresource Technology</i> , 2018 , 249, 673-683	11	27
347	Lignocellulosic biomass from agro-industrial residues in South America: current developments and perspectives. <i>Biofuels, Bioproducts and Biorefining</i> , 2019 , 13, 1505-1519	5.3	27
346	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, 991-9	3	27
345	Comparison of citric acid production by solid-state fermentation in flask, column, tray, and drum bioreactors. <i>Applied Biochemistry and Biotechnology</i> , 2004 , 118, 293-303	3.2	27
344	Hydrogen: Current advances and patented technologies of its renewable production. <i>Journal of Cleaner Production</i> , 2021 , 286, 124970	10.3	27
343	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	4.1	26

342	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	4.8	26
341	Anti-inflammatory and angiogenic activity of polysaccharide extract obtained from Tibetan kefir. <i>Microvascular Research</i> , 2016 , 108, 29-33	3.7	26
340	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	11	26
339	Chemical composition and health properties of coffee and coffee by-products. <i>Advances in Food and Nutrition Research</i> , 2020 , 91, 65-96	6	25
338	Lignocellulosic Bioethanol: Current Status and Future Perspectives 2011 , 101-122		25
337	Phytodegradation potential of <i>Erythrina crista-galli</i> L., Fabaceae, in petroleum-contaminated soil. <i>Applied Biochemistry and Biotechnology</i> , 2009 , 157, 10-22	3.2	25
336	Potential applications of plant probiotic microorganisms in agriculture and forestry. <i>AIMS Microbiology</i> , 2017 , 3, 629-648	4.5	25
335	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	4.2	25
334	Development of a bionematicide with <i>Paecilomyces lilacinus</i> to control <i>Meloidogyne incognita</i> . <i>Applied Biochemistry and Biotechnology</i> , 2004 , 118, 81-8	3.2	24
333	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	1.7	24
332	Pharmacological Properties of Biocompounds from Spores of the Lingzhi or Reishi Medicinal Mushroom <i>Ganoderma lucidum</i> (Agaricomycetes): A Review. <i>International Journal of Medicinal Mushrooms</i> , 2016 , 18, 757-767	1.3	23
331	A bioprocess for the production of phytase from <i>Schizophyllum commune</i> : studies of its optimization, profile of fermentation parameters, characterization and stability. <i>Bioprocess and Biosystems Engineering</i> , 2012 , 35, 1067-79	3.7	22
330	Influence of airflow intensity on phytase production by solid-state fermentation. <i>Bioresource Technology</i> , 2012 , 118, 603-6	11	22
329	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	3.2	22
328	Performance evaluation of a biotrickling filter degrading mixtures of hydrophobic and hydrophilic compounds. <i>Clean Technologies and Environmental Policy</i> , 2007 , 9, 69-74	4.3	22
327	Relation between Citric Acid Production and Respiration Rate of <i>Aspergillus niger</i> in Solid-State Fermentation. <i>Engineering in Life Sciences</i> , 2004 , 4, 179-186	3.4	22
326	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	4.9	21
325	Isolation and characterization of the nematophagous fungus <i>Arthrobotrys conoides</i> . <i>Parasitology Research</i> , 2013 , 112, 177-85	2.4	21

324	Analysis of inducers of xylanase and cellulase activities production by <i>Ganoderma applanatum</i> LPB MR-56. <i>Fungal Biology</i> , 2014 , 118, 655-62	2.8	21
323	Partition and recovery of phytase from <i>Absidia blakesleeana</i> URM5604 using PEGcitrate aqueous two-phase systems. <i>Fluid Phase Equilibria</i> , 2012 , 318, 34-39	2.5	21
322	Rice bran as a substrate for proteolytic enzyme production. <i>Brazilian Archives of Biology and Technology</i> , 2006 , 49, 843-851	1.8	21
321	Spore production of <i>Beauveria bassiana</i> from agro-industrial residues. <i>Brazilian Archives of Biology and Technology</i> , 2005 , 48, 51-60	1.8	21
320	Concentration by ultrafiltration and stabilization of phytase produced by solid-state fermentation. <i>Process Biochemistry</i> , 2013 , 48, 374-379	4.8	20
319	Optimum conditions for inducing laccase production in <i>Lentinus crinitus</i> . <i>Genetics and Molecular Research</i> , 2014 , 13, 8544-51	1.2	20
318	Development of an innovative nutraceutical fermented beverage from herbal mate (<i>Ilex paraguariensis</i> A.St.-Hil.) extract. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 788-800	6.3	20
317	Thermal characterization of partially hydrolyzed cassava (<i>Manihot esculenta</i>) starch granules. <i>Brazilian Archives of Biology and Technology</i> , 2008 , 51, 1209-1215	1.8	20
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