

Bruno S Ferreira

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,397
citations

361413

20
h-index

395702

33
g-index

36
all docs

36
docs citations

36
times ranked

1964
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced bioproduction of poly-3-hydroxybutyrate from wheat straw lignocellulosic hydrolysates. <i>New Biotechnology</i> , 2014, 31, 104-113.	4.4	179
2	Biowaste biorefinery in Europe: opportunities and research & development needs. <i>New Biotechnology</i> , 2015, 32, 100-108.	4.4	162
3	Solvent tolerance in bacteria: role of efflux pumps and cross-resistance with antibiotics. <i>International Journal of Antimicrobial Agents</i> , 2003, 22, 211-216.	2.5	134
4	Hematopoietic stem cells: from the bone to the bioreactor. <i>Trends in Biotechnology</i> , 2003, 21, 233-240.	9.3	119
5	Design and characterisation of an enzyme system for inulin hydrolysis. <i>Food Chemistry</i> , 2006, 95, 77-82.	8.2	82
6	Production of poly(3-hydroxybutyrate-co-4-hydroxybutyrate) by <i>Burkholderia sacchari</i> using wheat straw hydrolysates and gamma-butyrolactone. <i>International Journal of Biological Macromolecules</i> , 2014, 71, 59-67.	7.5	57
7	<i>Mycobacterium</i> sp., <i>Rhodococcus erythropolis</i> , and <i>Pseudomonas putida</i> behavior in the presence of organic solvents. <i>Microscopy Research and Technique</i> , 2004, 64, 215-222.	2.2	55
8	Heme and pH-dependent stability of an anionic horseradish peroxidase. <i>Archives of Biochemistry and Biophysics</i> , 2003, 415, 257-267.	3.0	52
9	Improvement of <i>cis</i> -Muconic Acid Production in <i>Saccharomyces cerevisiae</i> through Biosensor-Aided Genome Engineering. <i>ACS Synthetic Biology</i> , 2020, 9, 634-646.	3.8	50
10	Immobilization of inulinase for sucrose hydrolysis. <i>Food Chemistry</i> , 2005, 91, 517-520.	8.2	49
11	Microporous hollow fibres for carbon dioxide absorption: mass transfer model fitting and the supplying of carbon dioxide to microalgal cultures. <i>Journal of Chemical Technology and Biotechnology</i> , 1998, 71, 61-70.	3.2	48
12	Production of moth sex pheromones for pest control by yeast fermentation. <i>Metabolic Engineering</i> , 2020, 62, 312-321.	7.0	39
13	Towards the development of a membrane reactor for enzymatic inulin hydrolysis. <i>Journal of Membrane Science</i> , 2006, 273, 152-158.	8.2	38
14	Characterization of Polyhydroxyalkanoates Produced at Pilot Scale From Different Organic Wastes. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 628719.	4.1	31
15	Kinetics of soluble and immobilized horseradish peroxidase-mediated oxidation of phenolic compounds. <i>Biochemical Engineering Journal</i> , 2007, 35, 126-135.	3.6	30
16	Integration of the production and the purification processes of cutinase secreted by a recombinant <i>Saccharomyces cerevisiae</i> SU50 strain. <i>Journal of Biotechnology</i> , 2004, 109, 147-158.	3.8	29
17	Towards a cost effective strategy for cutinase production by a recombinant <i>Saccharomyces cerevisiae</i> : strain physiological aspects. <i>Applied Microbiology and Biotechnology</i> , 2003, 61, 69-76.	3.6	28
18	Stability evaluation of an immobilized enzyme system for inulin hydrolysis. <i>Food Chemistry</i> , 2007, 101, 260-266.	8.2	28

#	ARTICLE	IF	CITATIONS
19	A metabolic reconstruction of <i>Lactobacillus reuteri</i> JCM 1112 and analysis of its potential as a cell factory. <i>Microbial Cell Factories</i> , 2019, 18, 186.	4.0	24
20	Gelatin-immobilized pectinmethylesterase for production of low methoxyl pectin. <i>Food Chemistry</i> , 2004, 86, 333-337.	8.2	22
21	Elemental concentration and migratability in bioplastics derived from organic waste. <i>Chemosphere</i> , 2020, 259, 127472.	8.2	20
22	Supercritical antisolvent micronisation of synthetic all- <i>cis</i> - β -carotene with tetrahydrofuran as solvent and carbon dioxide as antisolvent. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 215-222.	3.2	19
23	Recombinant <i>Saccharomyces cerevisiae</i> strain triggers acetate production to fuel biosynthetic pathways. <i>Journal of Biotechnology</i> , 2004, 109, 159-167.	3.8	15
24	Purification of Polymer-Grade Fumaric Acid from Fermented Spent Sulfite Liquor. <i>Fermentation</i> , 2017, 3, 13.	3.0	13
25	Thermal denaturation of HRP2: pH-dependent conformational changes. <i>Enzyme and Microbial Technology</i> , 2007, 40, 696-703.	3.2	12
26	Bioremediation of Petroleum Hydrocarbons in Seawater: Prospects of Using Lyophilized Native Hydrocarbon-Degrading Bacteria. <i>Microorganisms</i> , 2021, 9, 2285.	3.6	10
27	A microporous membrane interface for the monitoring of dissolved gaseous and volatile compounds by on-line mass spectrometry. <i>Journal of Membrane Science</i> , 2002, 208, 49-56.	8.2	9
28	Screening of supports for the immobilization of pectinmethylesterase from acerola (<i>Malpighia glabra</i>) Tj ETQq0 0 0 ggBT /Overlock 10 Tf	3.2	9
29	An integrated yeast-based process for <i>cis</i> - μ -conic acid production. <i>Biotechnology and Bioengineering</i> , 2022, 119, 376-387.	3.3	9
30	Kinetic Analysis of the ex vivo Expansion of Human Hematopoietic Stem/Progenitor Cells. <i>Biotechnology Letters</i> , 2006, 28, 335-340.	2.2	8
31	Polychlorinated Biphenyl Profile in Polyhydroxy-alkanoates Synthetized from Urban Organic Wastes. <i>Polymers</i> , 2020, 12, 659.	4.5	8
32	Waste-derived volatile fatty acids as carbon source for added-value fermentation approaches. <i>FEMS Microbiology Letters</i> , 2021, 368, .	1.8	8
33	Production of low methoxyl pectin using immobilized pectinmethylesterase silica from acerola (<i>Malpighia glabra</i> L.). <i>Journal of Chemical Technology and Biotechnology</i> , 2006, 81, 706-709.	3.2	1
34	Upgrading wheat straw to HOMO and co-polyhydroxyalkanoates. , 2015, , .		0