

Melissa L E Gutarra

List of Publications by Citations

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27
papers

646
citations

16
h-index

25
g-index

28
ext. papers

693
ext. citations

3.8
avg, IF

3.41
L-index

#	Paper	IF	Citations
27	Production of an acidic and thermostable lipase of the mesophilic fungus <i>Penicillium simplicissimum</i> by solid-state fermentation. <i>Bioresource Technology</i> , 2009 , 100, 5249-54	11	106
26	Use of a low-cost methodology for biodegradation of castor bean waste and lipase production. <i>Enzyme and Microbial Technology</i> , 2009 , 44, 317-322	3.8	56
25	Lipase production by solid-state fermentation: cultivation conditions and operation of tray and packed-bed bioreactors. <i>Applied Biochemistry and Biotechnology</i> , 2005 , 121-124, 105-16	3.2	54
24	Adding value to a toxic residue from the biodiesel industry: production of two distinct pool of lipases from <i>Penicillium simplicissimum</i> in castor bean waste. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2011 , 38, 945-53	4.2	43
23	Use of biosurfactant in the removal of oil from contaminated sandy soil. <i>Journal of Chemical Technology and Biotechnology</i> , 2007 , 82, 687-691	3.5	42
22	Lipase production by solid-state fermentation in fixed-bed bioreactors. <i>Brazilian Archives of Biology and Technology</i> , 2005 , 48, 79-84	1.8	39
21	Inoculum strategies for <i>Penicillium simplicissimum</i> lipase production by solid-state fermentation using a residue from the babassu oil industry. <i>Journal of Chemical Technology and Biotechnology</i> , 2007 , 82, 313-318	3.5	34
20	Highly enantioselective biocatalysts by coating immobilized lipases with polyethyleneimine. <i>Catalysis Communications</i> , 2010 , 11, 964-967	3.2	30
19	Optimization of magnetosome production and growth by the magnetotactic vibrio <i>Magnetovibrio blakemorei</i> strain MV-1 through a statistics-based experimental design. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 2823-7	4.8	29
18	Enzyme Surface Glycosylation in the Solid Phase: Improved Activity and Selectivity of <i>Candida Antarctica</i> Lipase B. <i>ChemCatChem</i> , 2011 , 3, 1902-1910	5.2	26
17	Consecutive lipase immobilization and glycerol carbonate production under continuous-flow conditions. <i>Catalysis Science and Technology</i> , 2016 , 6, 4743-4748	5.5	25
16	Separation and immobilization of lipase from <i>Penicillium simplicissimum</i> by selective adsorption on hydrophobic supports. <i>Applied Biochemistry and Biotechnology</i> , 2009 , 156, 133-45	3.2	24
15	Lipase production and <i>Penicillium simplicissimum</i> morphology in solid-state and submerged fermentations. <i>Biotechnology Journal</i> , 2009 , 4, 1450-9	5.6	22
14	Enzymatic hydrolysis and anaerobic biological treatment of fish industry effluent: Evaluation of the mesophilic and thermophilic conditions. <i>Renewable Energy</i> , 2015 , 83, 455-462	8.1	16
13	Improving the thermostability and optimal temperature of a lipase from the hyperthermophilic archaeon <i>Pyrococcus furiosus</i> by covalent immobilization. <i>BioMed Research International</i> , 2015 , 2015, 250532	3	16
12	Immobilization and Characterization of a Recombinant Thermostable Lipase (PF2001) from <i>Pyrococcus furiosus</i> on Supports with Different Degrees of Hydrophobicity. <i>Enzyme Research</i> , 2010 , 2010, 180418	2.4	16
11	Oriented irreversible immobilization of a glycosylated <i>Candida antarctica</i> B lipase on heterofunctional organoborane-aldehyde support. <i>Catalysis Science and Technology</i> , 2011 , 1, 260	5.5	15

10	Synthesis of Enantiopure Drugs and Drug Intermediates by Immobilized Lipase-Catalysis. <i>Current Bioactive Compounds</i> , 2013 , 9, 113-136	0.9	10
9	Physicochemical characterization of residual biomass (seed and fiber) from açai (Euterpe oleracea) processing and assessment of the potential for energy production and bioproducts. <i>Biomass Conversion and Biorefinery</i> , 2021 , 11, 925-935	2.3	9
8	Surface imaging of the filamentous fungus <i>Penicillium simplicissimum</i> growing in a solid-state fermentation system. <i>Micron</i> , 2017 , 99, 19-25	2.3	6
7	Use of Vero cell line to verify the biodegradation efficiency of castor bean waste. <i>Process Biochemistry</i> , 2012 , 47, 578-584	4.8	6
6	Studying the expression of a lipase from <i>Pyrococcus furiosus</i> using response surfaces. <i>Protein Expression and Purification</i> , 2013 , 88, 26-32	2	6
5	Impact of extraction parameters on the recovery of lipolytic activity from fermented babassu cake. <i>PLoS ONE</i> , 2014 , 9, e103176	3.7	4
4	Obtaining filamentous fungi and lipases from sewage treatment plant residue for fat degradation in anaerobic reactors. <i>PeerJ</i> , 2018 , 6, e5368	3.1	4
3	New biodegradable film produced from cocoa shell nanofibrils containing bioactive compounds 2021 , 18, 1613		3
2	βMannanase production by <i>Penicillium citrinum</i> through solid-state fermentation using açai residual biomass (Euterpe oleracea). <i>Journal of Chemical Technology and Biotechnology</i> , 2021 , 96, 2744-2754	3.5	2
1	Development of a green integrated process for biodiesel esters production: Use of fermented macaça cake as biocatalyst for macaça acid oil transesterification. <i>JAOCS, Journal of the American Oil Chemists Society</i> , 2021 , 98, 825-835	1.8	2