Jorge A Rodriguez

List of Publications by Year
in descending order

47 papers	1,143 citations	430874 18 h-index	395702 33 g-index
49 all docs	49 docs citations	49 times ranked	1545 citing authors

#	Article	IF	Citations
1	Exploring the specific features of interfacial enzymology based on lipase studies. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2006, 1761, 995-1013.	2.4	150
2	Lipase from the thermotolerant fungus Rhizopus homothallicus is more thermostable when produced using solid state fermentation than liquid fermentation procedures. Enzyme and Microbial Technology, 2006, 39, 1042-1050.	3.2	118
3	Improving lipase production by nutrient source modification using Rhizopus homothallicus cultured in solid state fermentation. Process Biochemistry, 2006, 41, 2264-2269.	3.7	115
4	Purification and biochemical characterization of the LIP2 lipase from Yarrowia lipolytica. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2007, 1771, 228-237.	2.4	89
5	The role of free fatty acids, pancreatic lipase and Ca²⁺ signalling in injury of isolated acinar cells and pancreatitis model in lipoprotein lipaseâ€deficient mice. Acta Physiologica, 2009, 195, 13-28.	3.8	73
6	Enhanced susceptibility to pancreatitis in severe hypertriglyceridaemic lipoprotein lipase-deficient mice and agonist-like function of pancreatic lipase in pancreatic cells. Gut, 2009, 58, 422-430.	12.1	61
7	Hibiscus sabdariffa L. aqueous extract attenuates hepatic steatosis through down-regulation of PPAR-Î³ and SREBP-1c in diet-induced obese mice. Food and Function, 2013, 4, 618.	4.6	47
8	Novel chromatographic resolution of chiral diacylglycerols and analysis of the stereoselective hydrolysis of triacylglycerols by lipases. Analytical Biochemistry, 2008, 375, 196-208.	2.4	38
9	Lid Opening and Unfolding in Human Pancreatic Lipase at Low pH Revealed by Site-Directed Spin Labeling EPR and FTIR Spectroscopy. Biochemistry, 2009, 48, 630-638.	2.5	36
10	In vitro stereoselective hydrolysis of diacylglycerols by hormone-sensitive lipase. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2010, 1801, 77-83.	2.4	36
11	Monitoring Lipase/Esterase Activity by Stopped Flow in a Sequential Injection Analysis System Using p-Nitrophenyl Butyrate. Sensors, 2015, 15, 2798-2811.	3.8	28
12	Solid-state fermentation as a potential technique for esterase/lipase production by halophilic archaea. Extremophiles, 2015, 19, 1121-1132.	2.3	28
13	Characterization of typo-, regio-, and stereo-selectivities of babaco latex lipase in aqueous and organic media. Biotechnology Letters, 2008, 30, 769-774.	2.2	24
14	Crossâ€linked enzyme aggregates of recombinant Candida antarctica lipase B for the efficient synthesis of olvanil, a nonpungent capsaicin analogue. Biotechnology Progress, 2019, 35, e2807.	2.6	22
15	Bioprospection of proteases from Halobacillus andaensis for bioactive peptide production from fish muscle protein. Electronic Journal of Biotechnology, 2019, 39, 52-60.	2.2	22
16	An ultraviolet spectrophotometric assay for the screening of sn-2-specific lipases using 1,3-O-dioleoyl-2-O-Î±-eleostearoyl-sn-glycerol as substrate. Journal of Lipid Research, 2012, 53, 185-194.	4.2	21
17	A broad pH range indicator-based spectrophotometric assay for true lipases using tributyrin and tricaprylin. Journal of Lipid Research, 2015, 56, 1057-1067.	4.2	21
18	Isolation of halophilic bacteria associated with saline and alkaline-sodic soils by culture dependent approach. Heliyon, 2018, 4, e00954.	3.2	20

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19	Mapping substrate selectivity of lipases from thermophilic fungi. Journal of Molecular Catalysis B: Enzymatic, 2007, 49, 104-112.	1.8	19
20	Carrier-bound and carrier-free immobilization of type A feruloyl esterase from Aspergillus niger: Searching for an operationally stable heterogeneous biocatalyst for the synthesis of butyl hydroxycinnamates. Journal of Biotechnology, 2020, 316, 6-16.	3.8	18
21	An analytical method for determining relative specificities for sequential reactions catalyzed by the same enzyme: Application to the hydrolysis of triacylglycerols by lipases. Journal of Biotechnology, 2008, 133, 343-350.	3.8	17
22	Determination of the quantitative stereoselectivity fingerprint of lipases during hydrolysis of a prochiral triacylglycerol. Journal of Biotechnology, 2008, 135, 168-173.	3.8	16
23	Development of a high-throughput assay for measuring lipase activity using natural triacylglycerols coated on microtiter plates. Analyst, The, 2013, 138, 5230.	3.5	15
24	Carbohydrate Esterases: An Overview. Methods in Molecular Biology, 2018, 1835, 39-68.	0.9	14
25	Type C feruloyl esterase from Aspergillus ochraceus: A butanol specific biocatalyst for the synthesis of hydroxycinnamates in a ternary solvent system. Electronic Journal of Biotechnology, 2018, 35, 1-9.	2.2	11
26	Partial deletion of Î²9 loop in pancreatic lipase-related protein 2 reduces enzyme activity with a larger effect on long acyl chain substrates. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2013, 1831, 1293-1301.	2.4	10
27	Screening of phospholipase A activity and its production by new actinomycete strains cultivated by solid-state fermentation. PeerJ, 2017, 5, e3524.	2.0	8
28	A Series of Novel Esters of Capsaicin Analogues Catalyzed by Candida antarctica Lipases. Biotechnology and Bioprocess Engineering, 2020, 25, 94-103.	2.6	8
29	Multiplex Gas Sampler for Monitoring Respirometry in Column-Type Bioreactors used in Solid-State Fermentation. Biotechnology and Biotechnological Equipment, 2012, 26, 3031-3038.	1.3	6
30	IR spectroscopy analysis of pancreatic lipase-related protein 2 interaction with phospholipids: 3. Monitoring DPPC lipolysis in mixed micelles. Chemistry and Physics of Lipids, 2018, 211, 77-85.	3.2	6
31	The Prospective Antiobesity Effect of Capsaicin Synthetic Analogs: A Matter of Weight. , 2016, 06, .		5
32	Production and Characterization of Surfaceâ€Active Lipopeptides by Haloalkaliphilic Bacteria Salibacterium sp. 4CTb. Journal of Surfactants and Detergents, 2020, 23, 67-78.	2.1	5
33	Characterization of cannonball jellyfish (Stomolophus sp. 2) blue protein: a pH-stable pigment. Environmental Science and Pollution Research, 2020, 27, 28597-28606.	5.3	5
34	From Classical to High Throughput Screening Methods for Feruloyl Esterases: A Review. Combinatorial Chemistry and High Throughput Screening, 2016, 19, 616-626.	1.1	5
35	Catalytic profiles of lipolytic biocatalysts produced by filamentous fungi. Biocatalysis and Biotransformation, 2012, 30, 459-468.	2.0	3
36	Screening of Gastrointestinal Lipase Inhibitors Produced by Microorganisms Isolated from Soil and Lake Sediments. International Microbiology, 2020, 23, 335-343.	2.4	3

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37	Conserved histidine residues at the ferroxidase centre of the Campylobacter jejuni Dps protein are not strictly required for metal binding and oxidation. Microbiology (United Kingdom), 2016, 162, 156-163.	1.8	3
38	Potential benefits of structured lipids in bulk compound chocolate: Insights on bioavailability and effect on serum lipids. Food Chemistry, 2022, 375, 131824.	8.2	3
39	Comparative features between recombinant lipases CALA-like from U. maydis and CALA from C. antarctica in thermal stability and selectivity. Biotechnology Letters, 2019, 41, 241-252.	2.2	2
40	Improved synthesis of the antifungal isobutyl o-coumarate catalyzed by the Aspergillus terreus type B feruloyl esterase. Electronic Journal of Biotechnology, 2021, 54, 17-25.	2.2	2
41	A simple thermal-detoxified method for castor bean (Ricinus communis L.) cake, and its potential nutraceutical properties. Industrial Crops and Products, 2021, 174, 114151.	5.2	2
42	Optimization of Lipopeptide Biosurfactant Production by Salibacterium sp. 4CTb in Batch Stirred-Tank Bioreactors. Microorganisms, 2022, 10, 983.	3.6	2
43	Solid-State Fermentation as an Economic Production Method of Lipases. Methods in Molecular Biology, 2018, 1835, 217-228.	0.9	1
44	A sensitive pH indicator-based spectrophotometric assay for PHB depolymerase activity on microtiter plates. Analytical Methods, 2020, 12, 4048-4057.	2.7	1
45	Galactomannans for Entrapment of Gliomastix murorum Laccase and Their Use in Reactive Blue 2 Decolorization. Sustainability, 2021, 13, 9019.	3.2	1
46	Carica papayaby-products as new biocatalysts for the synthesis of oleic acid esters. Biocatalysis and Biotransformation, 2015, 33, 216-223.	2.0	0
47	A Continuous and Sensitive Spectrophotometric Assay for Lipase and Phospholipase A Activities Using Î±-Eleostearic Acid-Containing Substrates. Methods in Molecular Biology, 2018, 1835, 119-128.	0.9	0