

Jorge A Rodriguez

List of Publications by Year in descending order

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Version: 2024-02-01

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 | Potential benefits of structured lipids in bulk compound chocolate: Insights on bioavailability and effect on serum lipids. <i>Food Chemistry</i> , 2022, 375, 131824. | 8.2 | 3 |
| 2 | Optimization of Lipopeptide Biosurfactant Production by <i>Salibacterium</i> sp. 4CTb in Batch Stirred-Tank Bioreactors. <i>Microorganisms</i> , 2022, 10, 983. | 3.6 | 2 |
| 3 | Galactomannans for Entrapment of <i>Gliomastix murorum</i> Laccase and Their Use in Reactive Blue 2 Decolorization. <i>Sustainability</i> , 2021, 13, 9019. | 3.2 | 1 |
| 4 | Improved synthesis of the antifungal isobutyl o-coumarate catalyzed by the <i>Aspergillus terreus</i> type B feruloyl esterase. <i>Electronic Journal of Biotechnology</i> , 2021, 54, 17-25. | 2.2 | 2 |
| 5 | A simple thermal-detoxified method for castor bean (<i>Ricinus communis</i> L.) cake, and its potential nutraceutical properties. <i>Industrial Crops and Products</i> , 2021, 174, 114151. | 5.2 | 2 |
| 6 | Production and Characterization of Surface-Active Lipopeptides by Haloalkaliphilic Bacteria <i>Salibacterium</i> sp. 4CTb. <i>Journal of Surfactants and Detergents</i> , 2020, 23, 67-78. | 2.1 | 5 |
| 7 | Screening of Gastrointestinal Lipase Inhibitors Produced by Microorganisms Isolated from Soil and Lake Sediments. <i>International Microbiology</i> , 2020, 23, 335-343. | 2.4 | 3 |
| 8 | A sensitive pH indicator-based spectrophotometric assay for PHB depolymerase activity on microtiter plates. <i>Analytical Methods</i> , 2020, 12, 4048-4057. | 2.7 | 1 |
| 9 | A Series of Novel Esters of Capsaicin Analogues Catalyzed by <i>Candida antarctica</i> Lipases. <i>Biotechnology and Bioprocess Engineering</i> , 2020, 25, 94-103. | 2.6 | 8 |
| 10 | Characterization of cannonball jellyfish (<i>Stomolophus</i> sp. 2) blue protein: a pH-stable pigment. <i>Environmental Science and Pollution Research</i> , 2020, 27, 28597-28606. | 5.3 | 5 |
| 11 | Carrier-bound and carrier-free immobilization of type A feruloyl esterase from <i>Aspergillus niger</i> : Searching for an operationally stable heterogeneous biocatalyst for the synthesis of butyl hydroxycinnamates. <i>Journal of Biotechnology</i> , 2020, 316, 6-16. | 3.8 | 18 |
| 12 | Cross-linked enzyme aggregates of recombinant <i>Candida antarctica</i> lipase B for the efficient synthesis of olvanil, a nonpungent capsaicin analogue. <i>Biotechnology Progress</i> , 2019, 35, e2807. | 2.6 | 22 |
| 13 | Bioprospection of proteases from <i>Halobacillus andaensis</i> for bioactive peptide production from fish muscle protein. <i>Electronic Journal of Biotechnology</i> , 2019, 39, 52-60. | 2.2 | 22 |
| 14 | Comparative features between recombinant lipases CALA-like from <i>U. maydis</i> and CALA from <i>C. antarctica</i> in thermal stability and selectivity. <i>Biotechnology Letters</i> , 2019, 41, 241-252. | 2.2 | 2 |
| 15 | IR spectroscopy analysis of pancreatic lipase-related protein 2 interaction with phospholipids: 3. Monitoring DPPC lipolysis in mixed micelles. <i>Chemistry and Physics of Lipids</i> , 2018, 211, 77-85. | 3.2 | 6 |
| 16 | Isolation of halophilic bacteria associated with saline and alkaline-sodic soils by culture dependent approach. <i>Heliyon</i> , 2018, 4, e00954. | 3.2 | 20 |
| 17 | Solid-State Fermentation as an Economic Production Method of Lipases. <i>Methods in Molecular Biology</i> , 2018, 1835, 217-228. | 0.9 | 1 |
| 18 | Type C feruloyl esterase from <i>Aspergillus ochraceus</i> : A butanol specific biocatalyst for the synthesis of hydroxycinnamates in a ternary solvent system. <i>Electronic Journal of Biotechnology</i> , 2018, 35, 1-9. | 2.2 | 11 |

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|----|---|------|-----------|
| 19 | Carbohydrate Esterases: An Overview. <i>Methods in Molecular Biology</i> , 2018, 1835, 39-68. | 0.9 | 14 |
| 20 | A Continuous and Sensitive Spectrophotometric Assay for Lipase and Phospholipase A Activities Using \pm -Eleostearic Acid-Containing Substrates. <i>Methods in Molecular Biology</i> , 2018, 1835, 119-128. | 0.9 | 0 |
| 21 | Screening of phospholipase A activity and its production by new actinomycete strains cultivated by solid-state fermentation. <i>PeerJ</i> , 2017, 5, e3524. | 2.0 | 8 |
| 22 | The Prospective Antiobesity Effect of Capsaicin Synthetic Analogs: A Matter of Weight. , 2016, 06, . | | 5 |
| 23 | Conserved histidine residues at the ferroxidase centre of the <i>Campylobacter jejuni</i> Dps protein are not strictly required for metal binding and oxidation. <i>Microbiology (United Kingdom)</i> , 2016, 162, 156-163. | 1.8 | 3 |
| 24 | From Classical to High Throughput Screening Methods for Feruloyl Esterases: A Review. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2016, 19, 616-626. | 1.1 | 5 |
| 25 | Monitoring Lipase/Esterase Activity by Stopped Flow in a Sequential Injection Analysis System Using p-Nitrophenyl Butyrate. <i>Sensors</i> , 2015, 15, 2798-2811. | 3.8 | 28 |
| 26 | A broad pH range indicator-based spectrophotometric assay for true lipases using tributyrin and tricapyrylin. <i>Journal of Lipid Research</i> , 2015, 56, 1057-1067. | 4.2 | 21 |
| 27 | Solid-state fermentation as a potential technique for esterase/lipase production by halophilic archaea. <i>Extremophiles</i> , 2015, 19, 1121-1132. | 2.3 | 28 |
| 28 | Carica papayaby-products as new biocatalysts for the synthesis of oleic acid esters. <i>Biocatalysis and Biotransformation</i> , 2015, 33, 216-223. | 2.0 | 0 |
| 29 | Partial deletion of \hat{I}^{29} loop in pancreatic lipase-related protein 2 reduces enzyme activity with a larger effect on long acyl chain substrates. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2013, 1831, 1293-1301. | 2.4 | 10 |
| 30 | Hibiscus sabdariffa L. aqueous extract attenuates hepatic steatosis through down-regulation of PPAR- \hat{I}^3 and SREBP-1c in diet-induced obese mice. <i>Food and Function</i> , 2013, 4, 618. | 4.6 | 47 |
| 31 | Development of a high-throughput assay for measuring lipase activity using natural triacylglycerols coated on microtiter plates. <i>Analyst, The</i> , 2013, 138, 5230. | 3.5 | 15 |
| 32 | Multiplex Gas Sampler for Monitoring Respirometry in Column-Type Bioreactors used in Solid-State Fermentation. <i>Biotechnology and Biotechnological Equipment</i> , 2012, 26, 3031-3038. | 1.3 | 6 |
| 33 | Catalytic profiles of lipolytic biocatalysts produced by filamentous fungi. <i>Biocatalysis and Biotransformation</i> , 2012, 30, 459-468. | 2.0 | 3 |
| 34 | An ultraviolet spectrophotometric assay for the screening of sn-2-specific lipases using 1,3-O-dioleoyl-2-O- \hat{I}^{\pm} -eleostearoyl-sn-glycerol as substrate. <i>Journal of Lipid Research</i> , 2012, 53, 185-194. | 4.2 | 21 |
| 35 | In vitro stereoselective hydrolysis of diacylglycerols by hormone-sensitive lipase. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2010, 1801, 77-83. | 2.4 | 36 |
| 36 | Enhanced susceptibility to pancreatitis in severe hypertriglyceridaemic lipoprotein lipase-deficient mice and agonist-like function of pancreatic lipase in pancreatic cells. <i>Gut</i> , 2009, 58, 422-430. | 12.1 | 61 |

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|----|--|-----|-----------|
| 37 | The role of free fatty acids, pancreatic lipase and Ca ²⁺ signalling in injury of isolated acinar cells and pancreatitis model in lipoprotein lipase-deficient mice. <i>Acta Physiologica</i> , 2009, 195, 13-28. | 3.8 | 73 |
| 38 | Lid Opening and Unfolding in Human Pancreatic Lipase at Low pH Revealed by Site-Directed Spin Labeling EPR and FTIR Spectroscopy. <i>Biochemistry</i> , 2009, 48, 630-638. | 2.5 | 36 |
| 39 | Characterization of typo-, regio-, and stereo-selectivities of babaco latex lipase in aqueous and organic media. <i>Biotechnology Letters</i> , 2008, 30, 769-774. | 2.2 | 24 |
| 40 | Novel chromatographic resolution of chiral diacylglycerols and analysis of the stereoselective hydrolysis of triacylglycerols by lipases. <i>Analytical Biochemistry</i> , 2008, 375, 196-208. | 2.4 | 38 |
| 41 | An analytical method for determining relative specificities for sequential reactions catalyzed by the same enzyme: Application to the hydrolysis of triacylglycerols by lipases. <i>Journal of Biotechnology</i> , 2008, 133, 343-350. | 3.8 | 17 |
| 42 | Determination of the quantitative stereoselectivity fingerprint of lipases during hydrolysis of a prochiral triacylglycerol. <i>Journal of Biotechnology</i> , 2008, 135, 168-173. | 3.8 | 16 |
| 43 | Purification and biochemical characterization of the LIP2 lipase from <i>Yarrowia lipolytica</i> . <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2007, 1771, 228-237. | 2.4 | 89 |
| 44 | Mapping substrate selectivity of lipases from thermophilic fungi. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2007, 49, 104-112. | 1.8 | 19 |
| 45 | Exploring the specific features of interfacial enzymology based on lipase studies. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2006, 1761, 995-1013. | 2.4 | 150 |
| 46 | Lipase from the thermotolerant fungus <i>Rhizopus homothallicus</i> is more thermostable when produced using solid state fermentation than liquid fermentation procedures. <i>Enzyme and Microbial Technology</i> , 2006, 39, 1042-1050. | 3.2 | 118 |
| 47 | Improving lipase production by nutrient source modification using <i>Rhizopus homothallicus</i> cultured in solid state fermentation. <i>Process Biochemistry</i> , 2006, 41, 2264-2269. | 3.7 | 115 |