Robson Carlos Alnoch

List of Publications by Year
in descending order

19 papers	274 citations	933447 10 h-index	940533 16 g-index
19 all docs	19 docs citations	19 times ranked	346 citing authors

#	Article	IF	Citations
1	New Heterofunctional Supports Based on Glutaraldehyde-Activation: A Tool for Enzyme Immobilization at Neutral pH. Molecules, 2017, 22, 1088.	3.8	39
2	Recent Trends in Biomaterials for Immobilization of Lipases for Application in Non-Conventional Media. Catalysts, 2020, 10, 697.	3.5	36
3	Immobilization and Characterization of a New Regioselective and Enantioselective Lipase Obtained from a Metagenomic Library. PLoS ONE, 2015, 10, e0114945.	2.5	32
4	Metagenomics: Is it a powerful tool to obtain lipases for application in biocatalysis?. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2020, 1868, 140320.	2.3	30
5	Challenges of Biomass Utilization for Bioenergy in a Climate Change Scenario. Biology, 2021, 10, 1277.	2.8	27
6	Biochemical characterization and application of a new lipase and its cognate foldase obtained from a metagenomic library derived from fat-contaminated soil. International Journal of Biological Macromolecules, 2019, 137, 442-454.	7.5	15
7	Key mutation sites for improvement of the enantioselectivity of lipases through protein engineering. Biochemical Engineering Journal, 2021, 172, 108047.	3.6	14
8	New Tailor-Made Alkyl-Aldehyde Bifunctional Supports for Lipase Immobilization. Catalysts, 2016, 6, 191.	3.5	13
9	Production of a fermented solid containing lipases from Penicillium roqueforti ATCC 10110 and its direct employment in organic medium in ethyl oleate synthesis. Biotechnology and Applied Biochemistry, 2022, 69, 1284-1299.	3.1	12
10	Enzymatic kinetic resolution of aliphatic sec -alcohols by LipG9, a metagenomic lipase. Journal of Molecular Catalysis B: Enzymatic, 2016, 125, 58-63.	1.8	11
11	Co-expression, purification and characterization of the lipase and foldase of Burkholderia contaminans LTEB11. International Journal of Biological Macromolecules, 2018, 116, 1222-1231.	7.5	10
12	Enzymatic Pretreatment with Laccases from Lentinus sajor-caju Induces Structural Modification in Lignin and Enhances the Digestibility of Tropical Forage Grass (Panicum maximum) Grown under Future Climate Conditions. International Journal of Molecular Sciences, 2021, 22, 9445.	4.1	10
13	Immobilization and bioimprinting strategies to enhance the performance in organic medium of the metagenomic lipase LipC12. Journal of Biotechnology, 2021, 342, 13-27.	3.8	9
14	Cross-Linking with Polyethylenimine Confers Better Functional Characteristics to an Immobilized Î²-glucosidase from Exiguobacterium antarcticum B7. Catalysts, 2019, 9, 223.	3.5	6
15	Biocatalytic Process Optimization for the Production of Highâ€Addedâ€Value 6â€Oâ€Hydroxy and 3â€Oâ€Hydroxy Glycosyl Building Blocks. ChemCatChem, 2017, 9, 2536-2543.	3.7	3
16	Structural model and functional properties of an exo-polygalacturonase from Neosartorya glabra. International Journal of Biological Macromolecules, 2021, 186, 909-918.	7.5	3
17	Fermented Solids and Their Application in the Production of Organic Compounds of Biotechnological Interest. Advances in Biochemical Engineering/Biotechnology, 2019, 169, 125-146.	1.1	2
18	LipG9-mediated enzymatic kinetic resolution of racemates: Expanding the substrate-scope for a metagenomic lipase. Molecular Catalysis, 2019, 473, 110402.	2.0	1

#	Article	IF	Citations
19	Genome sequencing of Burkholderia contaminans LTEB11 reveals a lipolytic arsenal of biotechnological interest. Brazilian Journal of Microbiology, 2019, 50, 619-624.	2.0	1