Diego Carballares

List of Publications by Year
in descending order

23 papers	1,096 citations	516215 16 h-index	642321 23 g-index
23 all docs	23 docs citations	23 times ranked	531 citing authors

#	Article	IF	Citations
1	Stabilization of enzymes via immobilization: Multipoint covalent attachment and other stabilization strategies. Biotechnology Advances, 2021, 52, 107821.	6.0	280
2	Enzyme co-immobilization: Always the biocatalyst designers' choiceâ€¦or not?. Biotechnology Advances, 2021, 51, 107584.	6.0	152
3	Immobilization of lipases via interfacial activation on hydrophobic supports: Production of biocatalysts libraries by altering the immobilization conditions. Catalysis Today, 2021, 362, 130-140.	2.2	83
4	Enzyme production of<scp>d</scp>-gluconic acid and glucose oxidase: successful tales of cascade reactions. Catalysis Science and Technology, 2020, 10, 5740-5771.	2.1	80
5	Effects of Enzyme Loading and Immobilization Conditions on the Catalytic Features of Lipase From Pseudomonas fluorescens Immobilized on Octyl-Agarose Beads. Frontiers in Bioengineering and Biotechnology, 2020, 8, 36.	2.0	77
6	One Pot Use of Combilipases for Full Modification of Oils and Fats: Multifunctional and Heterogeneous Substrates. Catalysts, 2020, 10, 605.	1.6	55
7	Coimmobilization of different lipases: Simple layer by layer enzyme spatial ordering. International Journal of Biological Macromolecules, 2020, 145, 856-864.	3.6	37
8	Advantages of Supports Activated with Divinyl Sulfone in Enzyme Coimmobilization: Possibility of Multipoint Covalent Immobilization of the Most Stable Enzyme and Immobilization via Ion Exchange of the Least Stable Enzyme. ACS Sustainable Chemistry and Engineering, 2021, 9, 7508-7518.	3.2	37
9	Influence of phosphate anions on the stability of immobilized enzymes. Effect of enzyme nature, immobilization protocol and inactivation conditions. Process Biochemistry, 2020, 95, 288-296.	1.8	36
10	Enzyme-support interactions and inactivation conditions determine Thermomyces lanuginosus lipase inactivation pathways: Functional and florescence studies. International Journal of Biological Macromolecules, 2021, 191, 79-91.	3.6	30
11	Multi-Combilipases: Co-Immobilizing Lipases with Very Different Stabilities Combining Immobilization via Interfacial Activation and Ion Exchange. The Reuse of the Most Stable Co-Immobilized Enzymes after Inactivation of the Least Stable Ones. Catalysts, 2020, 10, 1207.	1.6	28
12	The combination of covalent and ionic exchange immobilizations enables the coimmobilization on vinyl sulfone activated supports and the reuse of the most stable immobilized enzyme. International Journal of Biological Macromolecules, 2022, 199, 51-60.	3.6	27
13	Preparation of a Six-Enzyme Multilayer Combi-Biocatalyst: Reuse of the Most Stable Enzymes after Inactivation of the Least Stable One. ACS Sustainable Chemistry and Engineering, 2022, 10, 3920-3934.	3.2	24
14	Immobilized Biocatalysts of EversaÂ® Transform 2.0 and Lipase from Thermomyces Lanuginosus: Comparison of Some Properties and Performance in Biodiesel Production. Catalysts, 2020, 10, 738.	1.6	22
15	Intraparticle Macromolecular Migration Alters the Structure and Function of Proteins Reversibly Immobilized on Porous Microbeads. Advanced Materials Interfaces, 2022, 9, .	1.9	18
16	Effect of Concentrated Salts Solutions on the Stability of Immobilized Enzymes: Influence of Inactivation Conditions and Immobilization Protocol. Molecules, 2021, 26, 968.	1.7	17
17	Coimmobilization of lipases exhibiting three very different stability ranges. Reuse of the active enzymes and selective discarding of the inactivated ones. International Journal of Biological Macromolecules, 2022, 206, 580-590.	3.6	16
18	Chemical amination of immobilized enzymes for enzyme coimmobilization: Reuse of the most stable immobilized and modified enzyme. International Journal of Biological Macromolecules, 2022, 208, 688-697.	3.6	16

#	Article	IF	Citations
19	Design of Artificial Enzymes Bearing Several Active Centers: New Trends, Opportunities and Problems. International Journal of Molecular Sciences, 2022, 23, 5304.	1.8	16
20	Positive effect of glycerol on the stability of immobilized enzymes: Is it a universal fact?. Process Biochemistry, 2021, 102, 108-121.	1.8	15
21	Immobilization of the Peroxygenase from Agrocybe aegerita. The Effect of the Immobilization pH on the Features of an Ionically Exchanged Dimeric Peroxygenase. Catalysts, 2021, 11, 560.	1.6	12
22	Stabilization of immobilized lipases by treatment with metallic phosphate salts. International Journal of Biological Macromolecules, 2022, 213, 43-54.	3.6	10
23	Tuning Immobilized Commercial Lipase Preparations Features by Simple Treatment with Metallic Phosphate Salts. Molecules, 2022, 27, 4486.	1.7	8