

# CITATION REPORT

List of articles citing

Improving the catalytic properties of immobilized  
Lecitase via physical coating with ionic polymers

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Enzyme and Microbial Technology, 2014, 60, 1-8.

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#	Paper	IF	Citations
51	Amination of enzymes to improve biocatalyst performance: coupling genetic modification and physicochemical tools. <i>RSC Advances</i> , <b>2014</b> , 4, 38350-38374	3.7	91
50	Stabilizing hyperactivated lecithase structures through physical treatment with ionic polymers. <i>Process Biochemistry</i> , <b>2014</b> , 49, 1511-1515	4.8	43
49	Immobilization of lipases on hydrophobic supports involves the open form of the enzyme. <i>Enzyme and Microbial Technology</i> , <b>2015</b> , 71, 53-7	3.8	355
48	Use of Lecitase-Ultra immobilized on styrene-divinylbenzene beads as catalyst of esterification reactions: Effects of ultrasounds. <i>Catalysis Today</i> , <b>2015</b> , 255, 27-32	5.3	17
47	Immobilization and stabilization of cephalosporin C acylase on aminated support by crosslinking with glutaraldehyde and further modifying with aminated macromolecules. <i>Biotechnology Progress</i> , <b>2015</b> , 31, 387-95	2.8	13
46	Ionic polymer-coated laccase with high activity and enhanced stability: application in the decolourisation of water containing AO7. <i>Scientific Reports</i> , <b>2015</b> , 5, 8253	4.9	17
45	Tuning the catalytic properties of lipases immobilized on divinylsulfone activated agarose by altering its nanoenvironment. <i>Enzyme and Microbial Technology</i> , <b>2015</b> , 77, 1-7	3.8	57
44	Versatility of divinylsulfone supports permits the tuning of CALB properties during its immobilization. <i>RSC Advances</i> , <b>2015</b> , 5, 35801-35810	3.7	56
43	Evaluation of divinylsulfone activated agarose to immobilize lipases and to tune their catalytic properties. <i>Process Biochemistry</i> , <b>2015</b> , 50, 918-927	4.8	71
42	Strategies for the one-step immobilization-purification of enzymes as industrial biocatalysts. <i>Biotechnology Advances</i> , <b>2015</b> , 33, 435-56	17.8	463
41	Stabilizing effects of cations on lipases depend on the immobilization protocol. <i>RSC Advances</i> , <b>2015</b> , 5, 83868-83875	3.7	43
40	About the role of typical spacer/crosslinker on the design of efficient magnetic biocatalysts based on nanosized magnetite. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2015</b> , 122, 296-304		7
39	Stabilization of <i>Candida antarctica</i> Lipase B (CALB) Immobilized on Octyl Agarose by Treatment with Polyethyleneimine (PEI). <i>Molecules</i> , <b>2016</b> , 21,	4.8	38
38	Operational stabilities of different chemical derivatives of Novozym 435 in an alcoholysis reaction. <i>Enzyme and Microbial Technology</i> , <b>2016</b> , 90, 35-44	3.8	50
37	Bioinspired Immobilization of Glycerol Dehydrogenase by Metal Ion-Chelated Polyethyleneimines as Artificial Polypeptides. <i>Scientific Reports</i> , <b>2016</b> , 6, 24163	4.9	9
36	Chemical Modification in the Design of Immobilized Enzyme Biocatalysts: Drawbacks and Opportunities. <i>Chemical Record</i> , <b>2016</b> , 16, 1436-55	6.6	132
35	Development of simple protocols to solve the problems of enzyme coimmobilization. Application to coimmobilize a lipase and a $\beta$ -galactosidase. <i>RSC Advances</i> , <b>2016</b> , 6, 61707-61715	3.7	80

34	High performance flexible pH sensor based on carboxyl-functionalized and DEP aligned SWNTs. <i>Applied Surface Science</i> , <b>2016</b> , 386, 405-411	6.7	12
33	Nanoencapsulated Lecitase Ultra and Thermomyces lanuginosus Lipase, a Comparative Structural Study. <i>Langmuir</i> , <b>2016</b> , 32, 6746-56	4	10
32	Effect of chemical modification of Novozym 435 on its performance in the alcoholysis of camelina oil. <i>Biochemical Engineering Journal</i> , <b>2016</b> , 111, 75-86	4.2	67
31	Chemical modification with phthalic anhydride and chitosan: Viable options for the stabilization of raw starch digesting amylase from <i>Aspergillus carbonarius</i> . <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 99, 641-647	7.9	14
30	Coimmobilization of enzymes in bilayers using pei as a glue to reuse the most stable enzyme: Preventing pei release during inactivated enzyme desorption. <i>Process Biochemistry</i> , <b>2017</b> , 61, 95-101	4.8	40
29	Physical crosslinking of lipase from <i>Rhizomucor miehei</i> immobilized on octyl agarose via coating with ionic polymers. <i>Process Biochemistry</i> , <b>2017</b> , 54, 81-88	4.8	49
28	Polyethylenimine: a very useful ionic polymer in the design of immobilized enzyme biocatalysts. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 7461-7490	7.3	162
27	Immobilization of Lecitase <sup>®</sup> ultra on recyclable polymer support: application in resolution of trans-methyl (4-methoxyphenyl)glycidate in organic solvents. <i>Tetrahedron: Asymmetry</i> , <b>2017</b> , 28, 1612-1617		10
26	Improved stability of immobilized lipases via modification with polyethylenimine and glutaraldehyde. <i>Enzyme and Microbial Technology</i> , <b>2017</b> , 106, 67-74	3.8	46
25	Effects of Triton X-100 and PEG on the Catalytic Properties and Thermal Stability of Lipase from Free and Immobilized on Glyoxyl-Agarose. <i>The Open Biochemistry Journal</i> , <b>2017</b> , 11, 66-76	0.9	15
24	Pore-expanded SBA-15 for the immobilization of a recombinant <i>Candida antarctica</i> lipase B: Application in esterification and hydrolysis as model reactions. <i>Chemical Engineering Research and Design</i> , <b>2018</b> , 129, 12-24	5.5	25
23	Biotechnological potential of lipases from <i>Pseudomonas</i> : Sources, properties and applications. <i>Process Biochemistry</i> , <b>2018</b> , 75, 99-120	4.8	83
22	Kinetics and Optimization of Lipophilic Kojic Acid Derivative Synthesis in Polar Aprotic Solvent Using Lipozyme RMIM and Its Rheological Study. <i>Molecules</i> , <b>2018</b> , 23,	4.8	10
21	Functionalized Magnetic Bacterial Cellulose Beads as Carrier for Lecitase <sup>®</sup> Ultra Immobilization. <i>Applied Biochemistry and Biotechnology</i> , <b>2019</b> , 187, 176-193	3.2	10
20	Lecitase ultra: A phospholipase with great potential in biocatalysis. <i>Molecular Catalysis</i> , <b>2019</b> , 473, 1104053	5.3	24
19	Indoxyl Acetate as a Substrate for Analysis of Lipase Activity. <i>International Journal of Analytical Chemistry</i> , <b>2019</b> , 2019, 8538340	1.4	2
18	Trends on enzyme immobilization researches based on bibliometric analysis. <i>Process Biochemistry</i> , <b>2019</b> , 76, 95-110	4.8	73
17	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. <i>Catalysts</i> , <b>2020</b> , 10, 1207	4	10

16	Chemoenzymatic Process for the Preparation of (S)-7-((tert-Butyldiphenylsilyl)oxy)hept-1-yn-4-ol in a Continuous Packed-Bed Reactor, a Key Intermediate for Eribulin Synthesis. <i>Organic Process Research and Development</i> , <b>2020</b> , 24, 2657-2664	3.9	2
15	Free and Immobilized Lecitase <sup>®</sup> Ultra as the Biocatalyst in the Kinetic Resolution of ()-4-Arylbut-3-en-2-yl Esters. <i>Molecules</i> , <b>2020</b> , 25,	4.8	4
14	Use of polyethylenimine to produce immobilized lipase multilayers biocatalysts with very high volumetric activity using octyl-agarose beads: Avoiding enzyme release during multilayer production. <i>Enzyme and Microbial Technology</i> , <b>2020</b> , 137, 109535	3.8	14
13	Chitosan Nanoparticle: Alternative for Sustainable Agriculture. <i>Materials Horizons</i> , <b>2021</b> , 95-132	0.6	
12	Polymer supported cross-linked enzyme aggregates (CLEAs) of lipase B from <i>Candida antarctica</i> : An efficient and recyclable biocatalyst for reactions in both aqueous and organic media. <i>Biocatalysis and Biotransformation</i> , 1-13	2.5	2
11	An overview on the conversion of glycerol to value-added industrial products via chemical and biochemical routes. <i>Biotechnology and Applied Biochemistry</i> , <b>2021</b> ,	2.8	27
10	Current Status and Future Perspectives of Supports and Protocols for Enzyme Immobilization. <i>Catalysts</i> , <b>2021</b> , 11, 1222	4	19
9	Stabilization and operational selectivity alteration of Lipozyme 435 by its coating with polyethyleneimine: Comparison of the biocatalyst performance in the synthesis of xylose fatty esters. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 192, 665-674	7.9	1
8	ESTABILIZA <sup>ç</sup> ÃO DA FORMA ABERTA DE LECITASE ATRAV <sup>és</sup> DA MODIFICA <sup>ç</sup> ÃO F <sup>ís</sup> ICA COM POL <sup>í</sup> MEROS I <sup>ô</sup> NICOS.		
7	APERFEI <sup>ç</sup> AMENTO DAS PROPRIEDADES CATAL <sup>íticas</sup> DE LECITASE IMOBILIZADA UTILIZANDO POL <sup>í</sup> MEROS I <sup>ô</sup> NICOS (um espa <sup>ço</sup> ) (um espa <sup>ço</sup> ).		
6	Taguchi design-assisted co-immobilization of lipase A and B from <i>Candida antarctica</i> onto chitosan: Characterization, kinetic resolution application, and docking studies. <i>Chemical Engineering Research and Design</i> , <b>2021</b> , 177, 223-223	5.5	9
5	Preparation of a Six-Enzyme Multilayer Combi-Biocatalyst: Reuse of the Most Stable Enzymes after Inactivation of the Least Stable One. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2022</b> , 10, 3920-3934	8.3	3
4	Chemical amination of immobilized enzymes for enzyme coimmobilization: Reuse of the most stable immobilized and modified enzyme.. <i>International Journal of Biological Macromolecules</i> , <b>2022</b> ,	7.9	3
3	Stabilization of immobilized lipases by treatment with metallic phosphate salts. <i>International Journal of Biological Macromolecules</i> , <b>2022</b> , 213, 43-54	7.9	0
2	Tuning Immobilized Commercial Lipase Preparations Features by Simple Treatment with Metallic Phosphate Salts. <i>Molecules</i> , <b>2022</b> , 27, 4486	4.8	1
1	Polyethylenimine-grafted Silica Nanoparticles Facilitated Enzymatic Carbon Dioxide Conversion.		0