

Modifying enzyme activity and selectivity by immobiliz

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Chemical amination of lipase B from <i>Candida antarctica</i> is an efficient solution for the preparation of crosslinked enzyme aggregates. <i>Process Biochemistry</i> , 2012, 47, 2373-2378.	1.8	55
2	Enzymatic Production of Zero-Trans Plastic Fat Rich in $\hat{\pm}$ -Linolenic Acid and Medium-Chain Fatty Acids from Highly Hydrogenated Soybean Oil, <i>Cinnamomum camphora</i> Seed Oil, and Perilla Oil by Lipozyme TL IM. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 1189-1195.	2.4	25
3	Heterofunctional Supports in Enzyme Immobilization: From Traditional Immobilization Protocols to Opportunities in Tuning Enzyme Properties. <i>Biomacromolecules</i> , 2013, 14, 2433-2462.	2.6	429
4	Improving stability of nitrile hydratase by bridging the salt-bridges in specific thermal-sensitive regions. <i>Journal of Biotechnology</i> , 2013, 164, 354-362.	1.9	77
5	Enzymatic hydrolysis of racemic ibuprofen esters using <i>Rhizomucor miehei</i> lipase immobilized on different supports. <i>Process Biochemistry</i> , 2013, 48, 669-676.	1.8	38
6	Quantitating intraparticle O_{2} gradients in solid supported enzyme immobilizates: Experimental determination of their role in limiting the catalytic effectiveness of immobilized glucose oxidase. <i>Biotechnology and Bioengineering</i> , 2013, 110, 2086-2095.	1.7	35
7	Enhancing Catalytic Performance of Porcine Pancreatic Lipase by Covalent Modification Using Functional Ionic Liquids. <i>ACS Catalysis</i> , 2013, 3, 1976-1983.	5.5	69
8	Ordered mesoporous materials containing <i>Mucor Miehei</i> Lipase as biocatalyst for transesterification reaction. <i>Process Biochemistry</i> , 2013, 48, 831-837.	1.8	21
9	Optimization of the immobilization of sweet potato amylase using glutaraldehyde-agarose support. Characterization of the immobilized enzyme. <i>Process Biochemistry</i> , 2013, 48, 1054-1058.	1.8	53
10	Enzymatic Synthesis of Extra Virgin Olive Oil Based Infant Formula Fat Analogues Containing ARA and DHA: One-Stage and Two-Stage Syntheses. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 10590-10598.	2.4	24
11	Modulation of the Microenvironment Surrounding the Active Site of Penicillin G Acylase Immobilized on Acrylic Carriers Improves the Enzymatic Synthesis of Cephalosporins. <i>Molecules</i> , 2013, 18, 14349-14365.	1.7	35
12	Continuous production of $\hat{2}$ -cyclodextrin from starch by highly stable cyclodextrin glycosyltransferase immobilized on chitosan. <i>Carbohydrate Polymers</i> , 2013, 98, 1311-1316.	5.1	53
13	Catalytic activity and thermostability of enzymes immobilized on silanized surface: Influence of the crosslinking agent. <i>Enzyme and Microbial Technology</i> , 2013, 52, 336-343.	1.6	52
14	Catalytic properties of lipases immobilized onto ultrasound-treated chitosan supports. <i>Biotechnology and Bioprocess Engineering</i> , 2013, 18, 1090-1100.	1.4	18
15	Application of a Chitosan-Immobilized <i>Talaromyces thermophilus</i> Lipase to a Batch Biodiesel Production from Waste Frying Oils. <i>Applied Biochemistry and Biotechnology</i> , 2013, 171, 1986-2002.	1.4	23
16	Improving the properties of $\hat{2}$ -galactosidase from <i>Aspergillus oryzae</i> via encapsulation in aggregated silica nanoparticles. <i>New Journal of Chemistry</i> , 2013, 37, 3793.	1.4	14
17	Enantioselective transesterification of N-hydroxymethyl vince lactam catalyzed by lipase under ultrasound irradiation. <i>Biocatalysis and Biotransformation</i> , 2013, 31, 299-304.	1.1	6
18	Protein hydrolysis using proteases: An important tool for food biotechnology. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 90, 1-11.	1.8	386

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19	Kinetic study of the acidolysis of high oleic sunflower oil with stearic and palmitic acid mixtures catalysed by immobilised <i>Rhizopus oryzae</i> lipase. <i>Biochemical Engineering Journal</i> , 2013, 73, 17-28.	1.8	20
20	Novel trypsin-FITC@MOF bioreactor efficiently catalyzes protein digestion. <i>Journal of Materials Chemistry B</i> , 2013, 1, 928.	2.9	157
21	Preparation of a magnetically recoverable biocatalyst support on monodisperse Fe ₃ O ₄ nanoparticles. <i>RSC Advances</i> , 2013, 3, 9924.	1.7	29
22	Conformational changes of enzymes upon immobilisation. <i>Chemical Society Reviews</i> , 2013, 42, 6250.	18.7	484
23	Improved production of butyl butyrate with lipase from <i>Thermomyces lanuginosus</i> immobilized on styrene-divinylbenzene beads. <i>Bioresource Technology</i> , 2013, 134, 417-422.	4.8	94
24	Real-time measurement and modeling of intraparticle pH gradient formation in immobilized cephalosporin C amidase. <i>Process Biochemistry</i> , 2013, 48, 593-604.	1.8	12
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26	Solid-phase modification with succinic polyethyleneglycol of aminated lipase B from <i>Candida antarctica</i> : Effect of the immobilization protocol on enzyme catalytic properties. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 87, 75-82.	1.8	18
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28	Potential Applications of Carbohydrases Immobilization in the Food Industry. <i>International Journal of Molecular Sciences</i> , 2013, 14, 1335-1369.	1.8	58
29	Structure-Guided Modification of <i>Rhizomucor miehei</i> Lipase for Production of Structured Lipids. <i>PLoS ONE</i> , 2013, 8, e67892.	1.1	11
30	Optimized butyl butyrate synthesis catalyzed by <i>Thermomyces lanuginosus</i> lipase. <i>Biotechnology Progress</i> , 2013, 29, 1416-1421.	1.3	21
31	Enhanced stability of newly isolated trimeric methionine-N-carbamoylase from <i>Brevibacillus reuszeri</i> HSN1 by covalent immobilization. <i>Biotechnology and Applied Biochemistry</i> , 2013, 60, 305-315.	1.4	5
33	Antibiofilm Properties of Interfacially Active Lipase Immobilized Porous Polycaprolactam Prepared by LB Technique. <i>PLoS ONE</i> , 2014, 9, e96152.	1.1	21
34	Lipases Aided Esterification of (2,2-Dimethyl-1,3-dioxolan-4-yl)methanol. <i>Letters in Organic Chemistry</i> , 2014, 11, 6-12.	0.2	3
35	Catalytic Behavior of Lipase Immobilized onto Congo Red and PEG-Decorated Particles. <i>Molecules</i> , 2014, 19, 8610-8628.	1.7	11
36	Additives Enhancing the Catalytic Properties of Lipase from <i>Burkholderia cepacia</i> Immobilized on Mixed-Function-Grafted Mesoporous Silica Gel. <i>Molecules</i> , 2014, 19, 9818-9837.	1.7	37
37	Electron Beam-Induced Immobilization of Laccase on Porous Supports for Waste Water Treatment Applications. <i>Molecules</i> , 2014, 19, 11860-11882.	1.7	43

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38	Influence of the Morphology of Core-Shell Supports on the Immobilization of Lipase B from <i>Candida antarctica</i> . <i>Molecules</i> , 2014, 19, 12509-12530.	1.7	38
39	Enzymatic Cellulose Hydrolysis: Enzyme Reusability and Visualization of β -Glucosidase Immobilized in Calcium Alginate. <i>Molecules</i> , 2014, 19, 19390-19406.	1.7	55
40	Optimized Production of Vanillin from Green Vanilla Pods by Enzyme-Assisted Extraction Combined with Pre-Freezing and Thawing. <i>Molecules</i> , 2014, 19, 2181-2198.	1.7	14
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42	Selective oxidation of glycerol to 1,3-dihydroxyacetone by covalently immobilized glycerol dehydrogenases with higher stability and lower product inhibition. <i>Bioresource Technology</i> , 2014, 170, 445-453.	4.8	47
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46	Immobilization of lipase from <i>Burkholderia cepacia</i> into calcium carbonate microcapsule and its use for enzymatic reactions in organic and aqueous media. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 109, 94-100.	1.8	7
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54	Reusable and Mediator-Free Cholesterol Biosensor Based on Cholesterol Oxidase Immobilized onto TGA-SAM Modified Smart Bio-Chips. <i>PLoS ONE</i> , 2014, 9, e100327.	1.1	25
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56	Enhancing trimethylolpropane esters synthesis through lipase immobilized on surface hydrophobic modified support and appropriate substrate feeding methods. <i>Enzyme and Microbial Technology</i> , 2014, 58-59, 60-67.	1.6	17
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58	Immobilization of <i>Thermomyces lanuginosus</i> Lipase by Different Techniques on Immobead 150 Support: Characterization and Applications. <i>Applied Biochemistry and Biotechnology</i> , 2014, 172, 2507-2520.	1.4	32
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92	Immobilization of Lambda Exonuclease onto Polymer Micropillar Arrays for the Solid-Phase Digestion of dsDNAs. <i>Analytical Chemistry</i> , 2014, 86, 4447-4454.	3.2	21
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