

Roberto Fernandez-Lafuente

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9563725/publications.pdf>

Version: 2024-02-01

543
papers

42,836
citations

3151

92
h-index

4338

173
g-index

552
all docs

552
docs citations

552
times ranked

16171
citing authors

#	ARTICLE	IF	CITATIONS
1	Phenolic compounds in mango fruit: a review. <i>Journal of Food Measurement and Characterization</i> , 2022, 16, 619-636.	1.6	16
2	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. <i>International Journal of Biological Macromolecules</i> , 2022, 199, 51-60.	3.6	27
3	Design of a sustainable process for enzymatic production of ethylene glycol diesters via hydroesterification of used soybean cooking oil. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107062.	3.3	25
4	Immobilization of xylanase on differently functionalized silica gel supports for orange juice clarification. <i>Process Biochemistry</i> , 2022, 113, 270-280.	1.8	21
5	Production of Jet Biofuels by Catalytic Hydroprocessing of Esters and Fatty Acids: A Review. <i>Catalysts</i> , 2022, 12, 237.	1.6	23
6	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> , 2022, 10, 3920-3934.	3.2	24
7	Coimmobilization of lipases exhibiting three very different stability ranges. Reuse of the active enzymes and selective discarding of the inactivated ones. <i>International Journal of Biological Macromolecules</i> , 2022, 206, 580-590.	3.6	16
8	Chemical amination of immobilized enzymes for enzyme coimmobilization: Reuse of the most stable immobilized and modified enzyme. <i>International Journal of Biological Macromolecules</i> , 2022, 208, 688-697.	3.6	16
9	Decyl esters production from soybean-based oils catalyzed by lipase immobilized on differently functionalized rice husk silica and their characterization as potential biolubricants. <i>Enzyme and Microbial Technology</i> , 2022, 157, 110019.	1.6	28
10	Enzymatic Synthesis of Fatty Acid Isoamyl Monoesters from Soybean Oil Deodorizer Distillate: A Renewable and Ecofriendly Base Stock for Lubricant Industries. <i>Molecules</i> , 2022, 27, 2692.	1.7	18
11	A review on the immobilization of pepsin: A Lys-poor enzyme that is unstable at alkaline pH values. <i>International Journal of Biological Macromolecules</i> , 2022, 210, 682-702.	3.6	26
12	Design of Artificial Enzymes Bearing Several Active Centers: New Trends, Opportunities and Problems. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5304.	1.8	16
13	Biological activities of peptides obtained by pepsin hydrolysis of fishery products. <i>Process Biochemistry</i> , 2022, 120, 53-63.	1.8	16
14	Stabilization of immobilized lipases by treatment with metallic phosphate salts. <i>International Journal of Biological Macromolecules</i> , 2022, 213, 43-54.	3.6	10
15	Lipase immobilization via cross-linked enzyme aggregates: Problems and prospects – A review. <i>International Journal of Biological Macromolecules</i> , 2022, 215, 434-449.	3.6	45
16	Is enzyme immobilization a mature discipline? Some critical considerations to capitalize on the benefits of immobilization. <i>Chemical Society Reviews</i> , 2022, 51, 6251-6290.	18.7	183
17	Tuning Immobilized Commercial Lipase Preparations Features by Simple Treatment with Metallic Phosphate Salts. <i>Molecules</i> , 2022, 27, 4486.	1.7	8
18	Enzyme co-immobilization: Always the biocatalyst designers' choice or not?. <i>Biotechnology Advances</i> , 2021, 51, 107584.	6.0	152

#	ARTICLE	IF	CITATIONS
19	Immobilization of lipases via interfacial activation on hydrophobic supports: Production of biocatalysts libraries by altering the immobilization conditions. <i>Catalysis Today</i> , 2021, 362, 130-140.	2.2	83
20	Biotechnological relevance of the lipase A from <i>Candida antarctica</i> . <i>Catalysis Today</i> , 2021, 362, 141-154.	2.2	78
21	Enzymatic synthesis of biolubricants from by-product of soybean oil processing catalyzed by different biocatalysts of <i>Candida rugosa</i> lipase. <i>Catalysis Today</i> , 2021, 362, 122-129.	2.2	36
22	Optimization of simultaneous saccharification and isomerization of dextrin to high fructose syrup using a mixture of immobilized amyloglucosidase and glucose isomerase. <i>Catalysis Today</i> , 2021, 362, 175-183.	2.2	16
23	Enzymatic clarification of orange juice in continuous bed reactors: Fluidized-bed versus packed-bed reactor. <i>Catalysis Today</i> , 2021, 362, 184-191.	2.2	21
24	Magnetic micro-macro biocatalysts applied to industrial bioprocesses. <i>Bioresource Technology</i> , 2021, 322, 124547.	4.8	42
25	Liquid lipase preparations designed for industrial production of biodiesel. Is it really an optimal solution?. <i>Renewable Energy</i> , 2021, 164, 1566-1587.	4.3	88
26	Immobilization of Eversa [®] Transform via CLEA Technology Converts It in a Suitable Biocatalyst for Biolubricant Production Using Waste Cooking Oil. <i>Molecules</i> , 2021, 26, 193.	1.7	36
27	Solvent-free esterifications mediated by immobilized lipases: a review from thermodynamic and kinetic perspectives. <i>Catalysis Science and Technology</i> , 2021, 11, 5696-5711.	2.1	72
28	Effect of Concentrated Salts Solutions on the Stability of Immobilized Enzymes: Influence of Inactivation Conditions and Immobilization Protocol. <i>Molecules</i> , 2021, 26, 968.	1.7	17
29	Effect of amine length in the interference of the multipoint covalent immobilization of enzymes on glyoxyl agarose beads. <i>Journal of Biotechnology</i> , 2021, 329, 128-142.	1.9	20
30	Positive effect of glycerol on the stability of immobilized enzymes: Is it a universal fact?. <i>Process Biochemistry</i> , 2021, 102, 108-121.	1.8	15
31	Modulation of the Biocatalytic Properties of a Novel Lipase from Psychrophilic <i>Serratia</i> sp. (USBA-GBX-513) by Different Immobilization Strategies. <i>Molecules</i> , 2021, 26, 1574.	1.7	5
32	Modified silicates and carbon nanotubes for immobilization of lipase from <i>Rhizomucor miehei</i> : Effect of support and immobilization technique on the catalytic performance of the immobilized biocatalysts. <i>Enzyme and Microbial Technology</i> , 2021, 144, 109739.	1.6	27
33	Immobilization of the Peroxygenase from <i>Agrocybe aegerita</i> . The Effect of the Immobilization pH on the Features of an Ionically Exchanged Dimeric Peroxygenase. <i>Catalysts</i> , 2021, 11, 560.	1.6	12
34	Synthesis of lipase/silica biocatalysts through the immobilization of CALB on porous SBA-15 and their application on the resolution of pharmaceutical derivatives and on nutraceutical enrichment of natural oil. <i>Molecular Catalysis</i> , 2021, 505, 111529.	1.0	7
35	The β -galactosidase immobilization protocol determines its performance as catalysts in the kinetically controlled synthesis of lactulose. <i>International Journal of Biological Macromolecules</i> , 2021, 176, 468-478.	3.6	18
36	Effect of Tris Buffer in the Intensity of the Multipoint Covalent Immobilization of Enzymes in Glyoxyl-Agarose Beads. <i>Applied Biochemistry and Biotechnology</i> , 2021, 193, 2843-2857.	1.4	10

#	ARTICLE	IF	CITATIONS
37	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. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 7508-7518.	3.2	37
38	Aqueous Extraction of Seed Oil from Mamey Sapote (<i>Pouteria sapota</i>) after Viscozyme L Treatment. <i>Catalysts</i> , 2021, 11, 748.	1.6	9
39	Lipozyme 435-Mediated Synthesis of Xylose Oleate in Methyl Ethyl Ketone. <i>Molecules</i> , 2021, 26, 3317.	1.7	11
40	Bioactive peptides from fisheries residues: A review of use of papain in proteolysis reactions. <i>International Journal of Biological Macromolecules</i> , 2021, 184, 415-428.	3.6	47
41	Aqueous enzymatic extraction of <i>Ricinus communis</i> seeds oil using Viscozyme L. <i>Industrial Crops and Products</i> , 2021, 170, 113811.	2.5	25
42	Immobilization of papain: A review. <i>International Journal of Biological Macromolecules</i> , 2021, 188, 94-113.	3.6	42
43	Application of <i>Rhizomucor miehei</i> lipase-displaying <i>Pichia pastoris</i> whole cell for biodiesel production using agro-industrial residuals as substrate. <i>International Journal of Biological Macromolecules</i> , 2021, 189, 734-743.	3.6	20
44	Stabilization of enzymes via immobilization: Multipoint covalent attachment and other stabilization strategies. <i>Biotechnology Advances</i> , 2021, 52, 107821.	6.0	280
45	β-Galactosidase from <i>Kluyveromyces lactis</i> : Characterization, production, immobilization and applications - A review. <i>International Journal of Biological Macromolecules</i> , 2021, 191, 881-898.	3.6	39
46	Enzyme-support interactions and inactivation conditions determine <i>Thermomyces lanuginosus</i> lipase inactivation pathways: Functional and fluorescence studies. <i>International Journal of Biological Macromolecules</i> , 2021, 191, 79-91.	3.6	30
47	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> , 2021, 192, 665-674.	3.6	10
48	Simplified Method to Optimize Enzymatic Esters Syntheses in Solvent-Free Systems: Validation Using Literature and Experimental Data. <i>Catalysts</i> , 2021, 11, 1357.	1.6	10
49	Eco-friendly production of trimethylolpropane triesters from refined and used soybean cooking oils using an immobilized low-cost lipase (Eversa® Transform 2.0) as heterogeneous catalyst. <i>Biomass and Bioenergy</i> , 2021, 155, 106302.	2.9	41
50	Performance of Liquid Eversa on Fatty Acid Ethyl Esters Production by Simultaneous Esterification/Transesterification of Low-to-High Acidity Feedstocks. <i>Catalysts</i> , 2021, 11, 1486.	1.6	8
51	Prolongation of secondary drying step of phospholipid lyophilization greatly improves acidolysis reactions catalyzed by immobilized lecithase ultra. <i>Enzyme and Microbial Technology</i> , 2020, 132, 109388.	1.6	7
52	Pectin lyase immobilization using the glutaraldehyde chemistry increases the enzyme operation range. <i>Enzyme and Microbial Technology</i> , 2020, 132, 109397.	1.6	63
53	Modulating the properties of the lipase from <i>Thermomyces lanuginosus</i> immobilized on octyl agarose beads by altering the immobilization conditions. <i>Enzyme and Microbial Technology</i> , 2020, 133, 109461.	1.6	49
54	Enzymatic synthesis of neopentyl glycol-bases biolubricants using biodiesel from soybean and castor bean as raw materials. <i>Renewable Energy</i> , 2020, 148, 689-696.	4.3	45

#	ARTICLE	IF	CITATIONS
55	Coimmobilization of different lipases: Simple layer by layer enzyme spatial ordering. <i>International Journal of Biological Macromolecules</i> , 2020, 145, 856-864.	3.6	37
56	Parameters necessary to define an immobilized enzyme preparation. <i>Process Biochemistry</i> , 2020, 90, 66-80.	1.8	306
57	Use of glyoxyl-agarose immobilized ficin extract in milk coagulation: Unexpected importance of the ficin loading on the biocatalysts. <i>International Journal of Biological Macromolecules</i> , 2020, 144, 419-426.	3.6	29
58	Use of Alcalase in the production of bioactive peptides: A review. <i>International Journal of Biological Macromolecules</i> , 2020, 165, 2143-2196.	3.6	160
59	Enzyme production of α -gluconic acid and glucose oxidase: successful tales of cascade reactions. <i>Catalysis Science and Technology</i> , 2020, 10, 5740-5771.	2.1	80
60	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> , 2020, 10, 1207.	1.6	28
61	Enzyme-Coated Micro-Crystals: An Almost Forgotten but Very Simple and Elegant Immobilization Strategy. <i>Catalysts</i> , 2020, 10, 891.	1.6	35
62	Chemoenzymatic Synthesis of the New 3-((2,3-Diacetoxypropanoyl)oxy)propane-1,2-diyl Diacetate Using Immobilized Lipase B from <i>Candida antarctica</i> and Pyridinium Chlorochromate as an Oxidizing Agent. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6501.	1.8	1
63	Composites of Crosslinked Aggregates of Eversa [®] Transform and Magnetic Nanoparticles. Performance in the Ethanolysis of Soybean Oil. <i>Catalysts</i> , 2020, 10, 817.	1.6	19
64	Ficin: A protease extract with relevance in biotechnology and biocatalysis. <i>International Journal of Biological Macromolecules</i> , 2020, 162, 394-404.	3.6	50
65	One Pot Use of Combilipases for Full Modification of Oils and Fats: Multifunctional and Heterogeneous Substrates. <i>Catalysts</i> , 2020, 10, 605.	1.6	55
66	Effects of Enzyme Loading and Immobilization Conditions on the Catalytic Features of Lipase From <i>Pseudomonas fluorescens</i> Immobilized on Octyl-Agarose Beads. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 36.	2.0	77
67	Sustainable Enzymatic Synthesis of a Solketal Ester [®] Process Optimization and Evaluation of Its Antimicrobial Activity. <i>Catalysts</i> , 2020, 10, 218.	1.6	23
68	Immobilized Biocatalysts of Eversa [®] Transform 2.0 and Lipase from <i>Thermomyces lanuginosus</i> : Comparison of Some Properties and Performance in Biodiesel Production. <i>Catalysts</i> , 2020, 10, 738.	1.6	22
69	Improved immobilization of lipase from <i>Thermomyces lanuginosus</i> on a new chitosan-based heterofunctional support: Mixed ion exchange plus hydrophobic interactions. <i>International Journal of Biological Macromolecules</i> , 2020, 163, 550-561.	3.6	51
70	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> , 2020, 137, 109535.	1.6	34
71	Immobilization and stabilization of d-hydantoinase from <i>Vigna angularis</i> and its use in the production of N-carbamoyl-d-phenylglycine. Improvement of the reaction yield by allowing chemical racemization of the substrate. <i>Process Biochemistry</i> , 2020, 95, 251-259.	1.8	4
72	Influence of phosphate anions on the stability of immobilized enzymes. Effect of enzyme nature, immobilization protocol and inactivation conditions. <i>Process Biochemistry</i> , 2020, 95, 288-296.	1.8	36

#	ARTICLE	IF	CITATIONS
73	Production and characterization of biodiesel from oil of fish waste by enzymatic catalysis. <i>Renewable Energy</i> , 2020, 153, 1346-1354.	4.3	67
74	Glyoxyl-Activated Agarose as Support for Covalently Link Novo-Pro D: Biocatalysts Performance in the Hydrolysis of Casein. <i>Catalysts</i> , 2020, 10, 466.	1.6	10
75	Multi-Point Covalent Immobilization of Enzymes on Supports Activated with Epoxy Groups: Stabilization of Industrial Enzymes. <i>Methods in Molecular Biology</i> , 2020, 2100, 109-117.	0.4	12
76	Very Strong but Reversible Immobilization of Enzymes on Supports Coated with Ionic Polymers. <i>Methods in Molecular Biology</i> , 2020, 2100, 129-141.	0.4	2
77	Production and optimization of isopropyl palmitate via biocatalytic route using home-made enzymatic catalysts. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 389-397.	1.6	16
78	Production of lipases in cottonseed meal and application of the fermented solid as biocatalyst in esterification and transesterification reactions. <i>Renewable Energy</i> , 2019, 130, 574-581.	4.3	57
79	Immobilization of Lipase A from <i>Candida antarctica</i> onto Chitosan-Coated Magnetic Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4018.	1.8	86
80	Combi-CLEAs of Glucose Oxidase and Catalase for Conversion of Glucose to Gluconic Acid Eliminating the Hydrogen Peroxide to Maintain Enzyme Activity in a Bubble Column Reactor. <i>Catalysts</i> , 2019, 9, 657.	1.6	29
81	Preparation of immobilized/stabilized biocatalysts of α -glucosidases from different sources: Importance of the support active groups and the immobilization protocol. <i>Biotechnology Progress</i> , 2019, 35, e2890.	1.3	5
82	Optimized immobilization of polygalacturonase from <i>Aspergillus niger</i> following different protocols: Improved stability and activity under drastic conditions. <i>International Journal of Biological Macromolecules</i> , 2019, 138, 234-243.	3.6	41
83	Increasing the Enzyme Loading Capacity of Porous Supports by a Layer-by-Layer Immobilization Strategy Using PEI as Glue. <i>Catalysts</i> , 2019, 9, 576.	1.6	39
84	Tuning dimeric formate dehydrogenases reduction/oxidation activities by immobilization. <i>Process Biochemistry</i> , 2019, 85, 97-105.	1.8	19
85	Dextran Aldehyde in Biocatalysis: More Than a Mere Immobilization System. <i>Catalysts</i> , 2019, 9, 622.	1.6	32
86	Stability/activity features of the main enzyme components of rohapect 10L. <i>Biotechnology Progress</i> , 2019, 35, e2877.	1.3	10
87	Further stabilization of lipase from <i>Pseudomonas fluorescens</i> immobilized on octyl coated nanoparticles via chemical modification with bifunctional agents. <i>International Journal of Biological Macromolecules</i> , 2019, 141, 313-324.	3.6	56
88	Structural differences of commercial and recombinant lipase B from <i>Candida antarctica</i> : An important implication on enzymes thermostability. <i>International Journal of Biological Macromolecules</i> , 2019, 140, 761-770.	3.6	18
89	Recovery of starch from cassava bagasse for cyclodextrin production by sequential treatment with α -amylase and cyclodextrin glycosyltransferase. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 22, 101411.	1.5	5
90	Modulation of Lecitase properties via immobilization on differently activated Immobead-350: Stabilization and inversion of enantiospecificity. <i>Process Biochemistry</i> , 2019, 87, 128-137.	1.8	29

#	ARTICLE	IF	CITATIONS
91	Immobilization of pectinase on chitosan-magnetic particles: Influence of particle preparation protocol on enzyme properties for fruit juice clarification. <i>Biotechnology Reports (Amsterdam)</i> , 2019, 1, 1-10. DOI: 10.1016/j.btre.2019.100001	0.7843	14
92	Physico-chemical properties, kinetic parameters, and glucose inhibition of several beta-glucosidases for industrial applications. <i>Process Biochemistry</i> , 2019, 78, 82-90.	1.8	14
93	Comparison of the immobilization of lipase from <i>Pseudomonas fluorescens</i> on divinylsulfone or p-benzoquinone activated support. <i>International Journal of Biological Macromolecules</i> , 2019, 134, 936-945.	3.6	88
94	Immobilization of lipase from <i>Pseudomonas fluorescens</i> on glyoxyl-octyl-agarose beads: Improved stability and reusability. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2019, 1867, 741-747.	1.1	43
95	Rapid and high yield production of phospholipids enriched in CLA via acidolysis: The critical role of the enzyme immobilization protocol. <i>Food Chemistry</i> , 2019, 296, 123-131.	4.2	22
96	Reuse of Lipase from <i>Pseudomonas fluorescens</i> via Its Step-by-Step Coimmobilization on Glyoxyl-Octyl Agarose Beads with Least Stable Lipases. <i>Catalysts</i> , 2019, 9, 487.	1.6	39
97	Influence of reaction parameters in the polymerization between genipin and chitosan for enzyme immobilization. <i>Process Biochemistry</i> , 2019, 84, 73-80.	1.8	41
98	Lecitase ultra: A phospholipase with great potential in biocatalysis. <i>Molecular Catalysis</i> , 2019, 473, 110405.	1.0	43
99	Amination of ficin extract to improve its immobilization on glyoxyl-agarose: Improved stability and activity versus casein. <i>International Journal of Biological Macromolecules</i> , 2019, 133, 412-419.	3.6	23
100	Improved features of a highly stable protease from <i>Penaeus vannamei</i> by immobilization on glutaraldehyde activated graphene oxide nanosheets. <i>International Journal of Biological Macromolecules</i> , 2019, 130, 564-572.	3.6	49
101	Understanding the degree of estolide enzymatic polymerization and the effects on its lubricant properties. <i>Fuel</i> , 2019, 245, 286-293.	3.4	16
102	New applications of glyoxyl-octyl agarose in lipases co-immobilization: Strategies to reuse the most stable lipase. <i>International Journal of Biological Macromolecules</i> , 2019, 131, 989-997.	3.6	73
103	Immobilization of lipases on hydrophobic supports: immobilization mechanism, advantages, problems, and solutions. <i>Biotechnology Advances</i> , 2019, 37, 746-770.	6.0	409
104	Novozym 435: the "perfect" lipase immobilized biocatalyst?. <i>Catalysis Science and Technology</i> , 2019, 9, 2380-2420.	2.1	393
105	Chitosan activated with divinyl sulfone: a new heterofunctional support for enzyme immobilization. Application in the immobilization of lipase B from <i>Candida antarctica</i> . <i>International Journal of Biological Macromolecules</i> , 2019, 130, 798-809.	3.6	103
106	Preparation of Crosslinked Enzyme Aggregates of a Thermostable Cyclodextrin Glucosyltransferase from <i>Thermoanaerobacter</i> sp. Critical Effect of the Crosslinking Agent. <i>Catalysts</i> , 2019, 9, 120.	1.6	28
107	Immobilization and stabilization of different β -glucosidases using the glutaraldehyde chemistry: Optimal protocol depends on the enzyme. <i>International Journal of Biological Macromolecules</i> , 2019, 129, 672-678.	3.6	71
108	Ethyl Butyrate Synthesis Catalyzed by Lipases A and B from <i>Candida antarctica</i> Immobilized onto Magnetic Nanoparticles. Improvement of Biocatalysts' Performance under Ultrasonic Irradiation. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5807.	1.8	58

#	ARTICLE	IF	CITATIONS
109	Improving the Yields and Reaction Rate in the Ethanolysis of Soybean Oil by Using Mixtures of Lipase CLEAs. <i>Molecules</i> , 2019, 24, 4392.	1.7	32
110	Editorial for Special Issue: Enzyme Immobilization and Its Applications. <i>Molecules</i> , 2019, 24, 4619.	1.7	12
111	Genipin as An Emergent Tool in the Design of Biocatalysts: Mechanism of Reaction and Applications. <i>Catalysts</i> , 2019, 9, 1035.	1.6	55
112	Multipurpose fixed-bed bioreactor to simplify lipase production by solid-state fermentation and application in biocatalysis. <i>Biochemical Engineering Journal</i> , 2019, 144, 1-7.	1.8	21
113	Cooperativity of covalent attachment and ion exchange on alcalase immobilization using glutaraldehyde chemistry: Enzyme stabilization and improved proteolytic activity. <i>Biotechnology Progress</i> , 2019, 35, e2768.	1.3	22
114	Immobilization on octyl-agarose beads and some catalytic features of commercial preparations of lipase a from <i>Candida antarctica</i> (Novocor ADL): Comparison with immobilized lipase B from <i>Candida antarctica</i> . <i>Biotechnology Progress</i> , 2019, 35, e2735.	1.3	44
115	Effects of Reaction Operation Policies on Properties of Core-Shell Polymer Supports Used for Preparation of Highly Active Biocatalysts. <i>Macromolecular Reaction Engineering</i> , 2019, 13, 1800055.	0.9	6
116	Comparison of acid, basic and enzymatic catalysis on the production of biodiesel after RSM optimization. <i>Renewable Energy</i> , 2019, 135, 1-9.	4.3	94
117	ULTRASOUND-ASSISTED TRANSESTERIFICATION OF SOYBEAN OIL USING COMBI-LIPASE BIOCATALYSTS. <i>Brazilian Journal of Chemical Engineering</i> , 2019, 36, 995-1005.	0.7	17
118	STABILIZATION STUDY OF TETRAMERIC <i>Kluyveromyces lactis</i> β -GALACTOSIDASE BY IMMOBILIZATION ON IMMOBEAD: THERMAL, PHYSICO-CHEMICAL, TEXTURAL AND CATALYTIC PROPERTIES. <i>Brazilian Journal of Chemical Engineering</i> , 2019, 36, 1403-1417.	0.7	4
119	Enzymatic esterification of palm fatty-acid distillate for the production of polyol esters with biolubricant properties. <i>Industrial Crops and Products</i> , 2018, 116, 90-96.	2.5	74
120	Transesterification of Waste Frying Oil and Soybean Oil by Combi-lipases Under Ultrasound-Assisted Reactions. <i>Applied Biochemistry and Biotechnology</i> , 2018, 186, 576-589.	1.4	63
121	Magnetic biocatalysts of pectinase and cellulase: Synthesis and characterization of two preparations for application in grape juice clarification. <i>International Journal of Biological Macromolecules</i> , 2018, 115, 35-44.	3.6	55
122	Different strategies to immobilize lipase from <i>Geotrichum candidum</i> : Kinetic and thermodynamic studies. <i>Process Biochemistry</i> , 2018, 67, 55-63.	1.8	54
123	Biotechnological Applications of Proteases in Food Technology. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2018, 17, 412-436.	5.9	183
124	Lipase Regioselective α -Acetylations of a myo-Inositol Derivative: Efficient Desymmetrization of 1,3-Di-O-benzyl-myo-Inositol. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 386-391.	1.2	10
125	Stabilization of dimeric β -glucosidase from <i>Aspergillus niger</i> via glutaraldehyde immobilization under different conditions. <i>Enzyme and Microbial Technology</i> , 2018, 110, 38-45.	1.6	77
126	Improved production of biolubricants from soybean oil and different polyols via esterification reaction catalyzed by immobilized lipase from <i>Candida rugosa</i> . <i>Fuel</i> , 2018, 215, 705-713.	3.4	113

#	ARTICLE	IF	CITATIONS
127	Enzymatic synthesis of ethyl esters from waste oil using mixtures of lipases in a plug-flow packed-bed continuous reactor. <i>Biotechnology Progress</i> , 2018, 34, 952-959.	1.3	36
128	Modification of Immobead 150 support for protein immobilization: Effects on the properties of immobilized <i>Aspergillus oryzae</i> β -galactosidase. <i>Biotechnology Progress</i> , 2018, 34, 934-943.	1.3	17
129	1,3-Regiospecific ethanolysis of soybean oil catalyzed by crosslinked porcine pancreas lipase aggregates. <i>Biotechnology Progress</i> , 2018, 34, 910-920.	1.3	27
130	Kinetic resolution of drug intermediates catalyzed by lipase B from <i>Candida antarctica</i> immobilized on immobead-350. <i>Biotechnology Progress</i> , 2018, 34, 878-889.	1.3	104
131	Optimization of the coating of octyl-CALB with ionic polymers to improve stability and decrease enzyme leakage. <i>Biocatalysis and Biotransformation</i> , 2018, 36, 47-56.	1.1	40
132	A new heterofunctional amino-vinyl sulfone support to immobilize enzymes: Application to the stabilization of β -galactosidase from <i>Aspergillus oryzae</i> . <i>Process Biochemistry</i> , 2018, 64, 200-205.	1.8	36
133	Selective synthesis of partial glycerides of conjugated linoleic acids via modulation of the catalytic properties of lipases by immobilization on different supports. <i>Food Chemistry</i> , 2018, 245, 39-46.	4.2	29
134	Further Stabilization of Alcalase Immobilized on Glyoxyl Supports: Amination Plus Modification with Glutaraldehyde. <i>Molecules</i> , 2018, 23, 3188.	1.7	17
135	Evaluation of Strategies to Produce Highly Porous Cross-Linked Aggregates of Porcine Pancreas Lipase with Magnetic Properties. <i>Molecules</i> , 2018, 23, 2993.	1.7	45
136	Immobilization of Eversa Lipase on Octyl Agarose Beads and Preliminary Characterization of Stability and Activity Features. <i>Catalysts</i> , 2018, 8, 511.	1.6	49
137	Preparation of Magnetic Cross-Linked Amyloglucosidase Aggregates: Solving Some Activity Problems. <i>Catalysts</i> , 2018, 8, 496.	1.6	32
138	Kinetic characterization of carbonic anhydrase immobilized on magnetic nanoparticles as biocatalyst for CO ₂ capture. <i>Biochemical Engineering Journal</i> , 2018, 138, 1-11.	1.8	29
139	Preparation and characterization of cross-linked enzyme aggregates of dextransucrase from <i>Leuconostoc mesenteroides</i> B-512F. <i>Process Biochemistry</i> , 2018, 71, 101-108.	1.8	9
140	Immobilization/Stabilization of Ficin Extract on Glutaraldehyde-Activated Agarose Beads. Variables That Control the Final Stability and Activity in Protein Hydrolyses. <i>Catalysts</i> , 2018, 8, 149.	1.6	69
141	Maltose Production Using Starch from Cassava Bagasse Catalyzed by Cross-Linked β -Amylase Aggregates. <i>Catalysts</i> , 2018, 8, 170.	1.6	27
142	Bioprocess development for biolubricant production using microbial oil derived via fermentation from confectionery industry wastes. <i>Bioresource Technology</i> , 2018, 267, 311-318.	4.8	65
143	Performance of Different Immobilized Lipases in the Syntheses of Short- and Long-Chain Carboxylic Acid Esters by Esterification Reactions in Organic Media. <i>Molecules</i> , 2018, 23, 766.	1.7	31
144	Solid phase chemical modification of agarose glyoxyl-ficin: Improving activity and stability properties by amination and modification with glutaraldehyde. <i>Process Biochemistry</i> , 2018, 73, 109-116.	1.8	26

#	ARTICLE	IF	CITATIONS
145	Immobilization of β -galactosidase in glutaraldehyde-chitosan and its application to the synthesis of lactulose using cheese whey as feedstock. <i>Process Biochemistry</i> , 2018, 73, 65-73.	1.8	39
146	Pilot-scale development of core-shell polymer supports for the immobilization of recombinant lipase B from <i>Candida antarctica</i> and their application in the production of ethyl esters from residual fatty acids. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46727.	1.3	30
147	Design of Bactericidal Peptides Against <i>Escherichia coli</i> O157:H7, <i>Pseudomonas aeruginosa</i> and methicillin-resistant <i>Staphylococcus aureus</i> . <i>Medicinal Chemistry</i> , 2018, 14, 741-752.	0.7	5
148	A new bioprocess for the production of prebiotic lactosucrose by an immobilized β -galactosidase. <i>Process Biochemistry</i> , 2017, 55, 96-103.	1.8	53
149	Effect of immobilization rate and enzyme crowding on enzyme stability under different conditions. The case of lipase from <i>Thermomyces lanuginosus</i> immobilized on octyl agarose beads. <i>Process Biochemistry</i> , 2017, 56, 117-123.	1.8	115
150	Immobilization of CALB on activated chitosan: Application to enzymatic synthesis in supercritical and near-critical carbon dioxide. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2017, 14, 16-26.	2.1	72
151	Two-step enzymatic production of environmentally friendly biolubricants using castor oil: Enzyme selection and product characterization. <i>Fuel</i> , 2017, 202, 196-205.	3.4	51
152	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> , 2017, 61, 95-101.	1.8	47
153	Design of a lipase-nano particle biocatalysts and its use in the kinetic resolution of medicament precursors. <i>Biochemical Engineering Journal</i> , 2017, 125, 104-115.	1.8	79
154	Directed immobilization of CGTase: The effect of the enzyme orientation on the enzyme activity and its use in packed-bed reactor for continuous production of cyclodextrins. <i>Process Biochemistry</i> , 2017, 58, 120-127.	1.8	22
155	Influence of the raw material on the final properties of biodiesel produced using lipase from <i>Rhizomucor miehei</i> grown on babassu cake as biocatalyst of esterification reactions. <i>Renewable Energy</i> , 2017, 113, 112-118.	4.3	56
156	Evaluation of different lipase biocatalysts in the production of biodiesel from used cooking oil: Critical role of the immobilization support. <i>Fuel</i> , 2017, 200, 1-10.	3.4	118
157	Stabilization of ficin extract by immobilization on glyoxyl agarose. Preliminary characterization of the biocatalyst performance in hydrolysis of proteins. <i>Process Biochemistry</i> , 2017, 58, 98-104.	1.8	54
158	Effects of immobilization, pH and reaction time in the modulation of α -, β - or γ -cyclodextrins production by cyclodextrin glycosyltransferase: Batch and continuous process. <i>Carbohydrate Polymers</i> , 2017, 169, 41-49.	5.1	16
159	Support engineering: relation between development of new supports for immobilization of lipases and their applications. <i>Biotechnology Research and Innovation</i> , 2017, 1, 26-34.	0.3	36
160	Physical crosslinking of lipase from <i>Rhizomucor miehei</i> immobilized on octyl agarose via coating with ionic polymers. <i>Process Biochemistry</i> , 2017, 54, 81-88.	1.8	63
161	Effect of protein load on stability of immobilized enzymes. <i>Enzyme and Microbial Technology</i> , 2017, 98, 18-25.	1.6	176
162	Effect of high salt concentrations on the stability of immobilized lipases: Dramatic deleterious effects of phosphate anions. <i>Process Biochemistry</i> , 2017, 62, 128-134.	1.8	50

#	ARTICLE	IF	CITATIONS
163	Effect of feather meal as proteic feeder on combi-CLEAs preparation for grape juice clarification. <i>Process Biochemistry</i> , 2017, 62, 122-127.	1.8	18
164	Combination of ultrasound, enzymes and mechanical stirring: A new method to improve <i>Vitis vinifera</i> Cabernet Sauvignon must yield, quality and bioactive compounds. <i>Food and Bioproducts Processing</i> , 2017, 105, 197-204.	1.8	16
165	Polyethylenimine: a very useful ionic polymer in the design of immobilized enzyme biocatalysts. <i>Journal of Materials Chemistry B</i> , 2017, 5, 7461-7490.	2.9	228
166	Improved stability of immobilized lipases via modification with polyethylenimine and glutaraldehyde. <i>Enzyme and Microbial Technology</i> , 2017, 106, 67-74.	1.6	63
167	Improvement of pectinase, xylanase and cellulase activities by ultrasound: Effects on enzymes and substrates, kinetics and thermodynamic parameters. <i>Process Biochemistry</i> , 2017, 61, 80-87.	1.8	51
168	Relevance of substrates and products on the desorption of lipases physically adsorbed on hydrophobic supports. <i>Enzyme and Microbial Technology</i> , 2017, 96, 30-35.	1.6	106
169	Desorption of Lipases Immobilized on Octyl-Agarose Beads and Coated with Ionic Polymers after Thermal Inactivation. Stronger Adsorption of Polymers/Unfolded Protein Composites. <i>Molecules</i> , 2017, 22, 91.	1.7	49
170	Synthesis of Benzyl Acetate Catalyzed by Lipase Immobilized in Nontoxic Chitosan-Polyphosphate Beads. <i>Molecules</i> , 2017, 22, 2165.	1.7	63
171	Exploiting the Versatility of Aminated Supports Activated with Glutaraldehyde to Immobilize β -galactosidase from <i>Aspergillus oryzae</i> . <i>Catalysts</i> , 2017, 7, 250.	1.6	53
172	The Protagonism of Biocatalysis in Green Chemistry and Its Environmental Benefits. <i>Catalysts</i> , 2017, 7, 9.	1.6	64
173	High Lipase Production from <i>Geotrichum candidum</i> in Reduced Time using Cottonseed Oil: Optimization, Easy Purification and Specificity Characterization. <i>Journal of Chemical Engineering Research Updates</i> , 2017, 3, 60-69.	0.1	7
174	Reversible Immobilization of Lipases on Heterofunctional Octyl-Amino Agarose Beads Prevents Enzyme Desorption. <i>Molecules</i> , 2016, 21, 646.	1.7	58
175	Stabilization of <i>Candida antarctica</i> Lipase B (CALB) Immobilized on Octyl Agarose by Treatment with Polyethyleneimine (PEI). <i>Molecules</i> , 2016, 21, 751.	1.7	47
176	Immobilization of Glycoside Hydrolase Families GH1, GH13, and GH70: State of the Art and Perspectives. <i>Molecules</i> , 2016, 21, 1074.	1.7	47
177	Immobilization of Lipases on Heterofunctional Octyl-Glyoxyl Agarose Supports. <i>Methods in Enzymology</i> , 2016, 571, 73-85.	0.4	28
178	Agarose and Its Derivatives as Supports for Enzyme Immobilization. <i>Molecules</i> , 2016, 21, 1577.	1.7	227
179	Dextranucrase immobilized on activated-chitosan particles as a novel biocatalyst. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 133, S143-S149.	1.8	8
180	Synthesis of butyl esters via ultrasound-assisted transesterification of macaiba (<i>Acrocomia aculeata</i>) acid oil using a biomass-derived fermented solid as biocatalyst. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 133, S213-S219.	1.8	16

#	ARTICLE	IF	CITATIONS
181	Reversible immobilization of lipases on octyl-glutamic agarose beads: A mixed adsorption that reinforces enzyme immobilization. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 128, 10-18.	1.8	70
182	Cashew apple bagasse as a support for the immobilization of lipase B from <i>Candida antarctica</i> : Application to the chemoenzymatic production of (R)-Indanol. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 130, 58-69.	1.8	63
183	Easy stabilization of interfacially activated lipases using heterofunctional divinyl sulfone activated-octyl agarose beads. Modulation of the immobilized enzymes by altering their nanoenvironment. <i>Process Biochemistry</i> , 2016, 51, 865-874.	1.8	88
184	Ion exchange of β -galactosidase: The effect of the immobilization pH on enzyme stability. <i>Process Biochemistry</i> , 2016, 51, 875-880.	1.8	52
185	Operational stabilities of different chemical derivatives of Novozym 435 in an alcoholysis reaction. <i>Enzyme and Microbial Technology</i> , 2016, 90, 35-44.	1.6	75
186	Advantages of Heterofunctional Octyl Supports: Production of 1,2-Dibutyryl by Specific and Selective Hydrolysis of Tributyrin Catalyzed by Immobilized Lipases. <i>ChemistrySelect</i> , 2016, 1, 3259-3270.	0.7	44
187	Evaluation of different immobilized lipases in transesterification reactions using tributyrin: Advantages of the heterofunctional octyl agarose beads. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 133, 117-123.	1.8	69
188	Reuse of anion exchangers as supports for enzyme immobilization: Reinforcement of the enzyme-support multiinteraction after enzyme inactivation. <i>Process Biochemistry</i> , 2016, 51, 1391-1396.	1.8	50
189	Evaluation of different commercial hydrophobic supports for the immobilization of lipases: tuning their stability, activity and specificity. <i>RSC Advances</i> , 2016, 6, 100281-100294.	1.7	73
190	Nanomaterials for biocatalyst immobilization – state of the art and future trends. <i>RSC Advances</i> , 2016, 6, 104675-104692.	1.7	267
191	Chemical Modification in the Design of Immobilized Enzyme Biocatalysts: Drawbacks and Opportunities. <i>Chemical Record</i> , 2016, 16, 1436-1455.	2.9	183
192	Synergistic effects of Pectinex Ultra Clear and Lallzyme Beta on yield and bioactive compounds extraction of Concord grape juice. <i>LWT - Food Science and Technology</i> , 2016, 72, 157-165.	2.5	27
193	Development of simple protocols to solve the problems of enzyme coimmobilization. Application to coimmobilize a lipase and a β -galactosidase. <i>RSC Advances</i> , 2016, 6, 61707-61715.	1.7	93
194	Design of a core-shell support to improve lipase features by immobilization. <i>RSC Advances</i> , 2016, 6, 62814-62824.	1.7	76
195	Identification of Bioactive Compounds From <i>Vitis labrusca</i> L. Variety Concord Grape Juice Treated With Commercial Enzymes: Improved Yield and Quality Parameters. <i>Food and Bioprocess Technology</i> , 2016, 9, 365-377.	2.6	40
196	Evaluation of the performance of differently immobilized recombinant lipase B from <i>Candida antarctica</i> preparations for the synthesis of pharmacological derivatives in organic media. <i>RSC Advances</i> , 2016, 6, 4043-4052.	1.7	26
197	Preparation and characterization of a Combi-CLEAs from pectinases and cellulases: a potential biocatalyst for grape juice clarification. <i>RSC Advances</i> , 2016, 6, 27242-27251.	1.7	55
198	Effect of chemical modification of Novozym 435 on its performance in the alcoholysis of camelina oil. <i>Biochemical Engineering Journal</i> , 2016, 111, 75-86.	1.8	94

#	ARTICLE	IF	CITATIONS
199	Rapid determination of the synthetic activity of lipases/esterases via transesterification and esterification zymography. <i>Fuel</i> , 2016, 177, 123-129.	3.4	20
200	Inactivation of immobilized trypsin under dissimilar conditions produces trypsin molecules with different structures. <i>RSC Advances</i> , 2016, 6, 27329-27334.	1.7	139
201	Synthesis of butyl butyrate in batch and continuous enzymatic reactors using <i>Thermomyces lanuginosus</i> lipase immobilized in Immobead 150. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 127, 67-75.	1.8	49
202	Chitosan crosslinked with genipin as support matrix for application in food process: Support characterization and β -D-galactosidase immobilization. <i>Carbohydrate Polymers</i> , 2016, 137, 184-190.	5.1	181
203	Improved immobilization and stabilization of lipase from <i>Rhizomucor miehei</i> on octyl-glyoxyl agarose beads by using CaCl_2 . <i>Process Biochemistry</i> , 2016, 51, 48-52.	1.8	67
204	Immobilization and stabilization of an endoxylanase from <i>Bacillus subtilis</i> (XynA) for xylooligosaccharides (XOs) production. <i>Catalysis Today</i> , 2016, 259, 130-139.	2.2	48
205	Chemical amination of lipases improves their immobilization on octyl-glyoxyl agarose beads. <i>Catalysis Today</i> , 2016, 259, 107-118.	2.2	68
206	Importance of the Support Properties for Immobilization or Purification of Enzymes. <i>ChemCatChem</i> , 2015, 7, 2413-2432.	1.8	466
207	Bovine trypsin immobilization on agarose activated with divinylsulfone: Improved activity and stability via multipoint covalent attachment. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2015, 117, 38-44.	1.8	93
208	Immobilization of lipases on glyoxyl α -octyl supports: Improved stability and reactivation strategies. <i>Process Biochemistry</i> , 2015, 50, 1211-1217.	1.8	73
209	Immobilization of lipases on hydrophobic supports involves the open form of the enzyme. <i>Enzyme and Microbial Technology</i> , 2015, 71, 53-57.	1.6	429
210	Characterization of supports activated with divinyl sulfone as a tool to immobilize and stabilize enzymes via multipoint covalent attachment. Application to chymotrypsin. <i>RSC Advances</i> , 2015, 5, 20639-20649.	1.7	104
211	Use of Lecitase-Ultra immobilized on styrene-divinylbenzene beads as catalyst of esterification reactions: Effects of ultrasounds. <i>Catalysis Today</i> , 2015, 255, 27-32.	2.2	18
212	Improved performance of lipases immobilized on heterofunctional octyl-glyoxyl agarose beads. <i>RSC Advances</i> , 2015, 5, 11212-11222.	1.7	129
213	Enzymatic reactors for biodiesel synthesis: Present status and future prospects. <i>Biotechnology Advances</i> , 2015, 33, 511-525.	6.0	141
214	Optimization and characterization of CLEAs of the very thermostable dimeric peroxidase from <i>Roystonea regia</i> . <i>RSC Advances</i> , 2015, 5, 53047-53053.	1.7	5
215	Tuning the catalytic properties of lipases immobilized on divinylsulfone activated agarose by altering its nanoenvironment. <i>Enzyme and Microbial Technology</i> , 2015, 77, 1-7.	1.6	75
216	Production and immobilization of <i>Geotrichum candidum</i> lipase via physical adsorption on eco-friendly support: Characterization of the catalytic properties in hydrolysis and esterification reactions. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2015, 118, 43-51.	1.8	28

#	ARTICLE	IF	CITATIONS
217	Accurel MP 1000 as a support for the immobilization of lipase from <i>Burkholderia cepacia</i> : Application to the kinetic resolution of myo -inositol derivatives. <i>Process Biochemistry</i> , 2015, 50, 1557-1564.	1.8	81
218	Reactivation of lipases by the unfolding and refolding of covalently immobilized biocatalysts. <i>RSC Advances</i> , 2015, 5, 55588-55594.	1.7	43
219	Versatility of divinylsulfone supports permits the tuning of CALB properties during its immobilization. <i>RSC Advances</i> , 2015, 5, 35801-35810.	1.7	70
220	Evaluation of divinylsulfone activated agarose to immobilize lipases and to tune their catalytic properties. <i>Process Biochemistry</i> , 2015, 50, 918-927.	1.8	91
221	Comparing methods of determining <i>Legionella</i> spp. in complex water matrices. <i>BMC Microbiology</i> , 2015, 15, 91.	1.3	27
222	Strategies for the one-step immobilization–purification of enzymes as industrial biocatalysts. <i>Biotechnology Advances</i> , 2015, 33, 435-456.	6.0	568
223	Stabilizing effects of cations on lipases depend on the immobilization protocol. <i>RSC Advances</i> , 2015, 5, 83868-83875.	1.7	79
224	Enzymatic production and characterization of potential biolubricants from castor bean biodiesel. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2015, 122, 323-329.	1.8	53
225	Continuous production of fructooligosaccharides and invert sugar by chitosan immobilized enzymes: Comparison between in fluidized and packed bed reactors. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2015, 111, 51-55.	1.8	45
226	The combined use of ultrasound and molecular sieves improves the synthesis of ethyl butyrate catalyzed by immobilized <i>Thermomyces lanuginosus</i> lipase. <i>Ultrasonics Sonochemistry</i> , 2015, 22, 89-94.	3.8	102
227	Optimization of ethyl ester production from olive and palm oils using mixtures of immobilized lipases. <i>Applied Catalysis A: General</i> , 2015, 490, 50-56.	2.2	75
228	Immobilization of Proteins in Poly-Styrene-Divinylbenzene Matrices: Functional Properties and Applications. <i>Current Organic Chemistry</i> , 2015, 19, 1707-1718.	0.9	62
229	Design and activity of novel lactoferrampin analogues against O157:H7 enterohemorrhagic <i>Escherichia coli</i> . <i>Biopolymers</i> , 2014, 101, 319-328.	1.2	16
230	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
231	Tuning lipase B from <i>Candida antarctica</i> C–C bond promiscuous activity by immobilization on poly-styrene-divinylbenzene beads. <i>RSC Advances</i> , 2014, 4, 6219.	1.7	31
232	Comparison of the performance of commercial immobilized lipases in the synthesis of different flavor esters. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 105, 18-25.	1.8	58
233	Fructooligosaccharides synthesis by highly stable immobilized β -fructofuranosidase from <i>Aspergillus aculeatus</i> . <i>Carbohydrate Polymers</i> , 2014, 103, 193-197.	5.1	72
234	Preparation of core–shell polymer supports to immobilize lipase B from <i>Candida antarctica</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 100, 59-67.	1.8	75

#	ARTICLE	IF	CITATIONS
235	Glutaraldehyde in bio-catalysts design: a useful crosslinker and a versatile tool in enzyme immobilization. <i>RSC Advances</i> , 2014, 4, 1583-1600.	1.7	669
236	Amination of enzymes to improve biocatalyst performance: coupling genetic modification and physicochemical tools. <i>RSC Advances</i> , 2014, 4, 38350-38374.	1.7	117
237	Combi-lipase for heterogeneous substrates: a new approach for hydrolysis of soybean oil using mixtures of biocatalysts. <i>RSC Advances</i> , 2014, 4, 6863-6868.	1.7	77
238	Ultrasound technology and molecular sieves improve the thermodynamically controlled esterification of butyric acid mediated by immobilized lipase from <i>Rhizomucor miehei</i> . <i>RSC Advances</i> , 2014, 4, 8675.	1.7	74
239	Chemical modification of lipase B from <i>Candida antarctica</i> for improving biochemical properties of activity, stability and selectivity. <i>New Biotechnology</i> , 2014, 31, S85.	2.4	2
240	Tuning of Lecitase features via solid-phase chemical modification: Effect of the immobilization protocol. <i>Process Biochemistry</i> , 2014, 49, 604-616.	1.8	65
241	Efficient purification-immobilization of an organic solvent-tolerant lipase from <i>Staphylococcus warneri</i> EX17 on porous styrene-divinylbenzene beads. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 99, 51-55.	1.8	21
242	Improving the catalytic properties of immobilized Lecitase via physical coating with ionic polymers. <i>Enzyme and Microbial Technology</i> , 2014, 60, 1-8.	1.6	61
243	Stabilizing hyperactivated lecitase structures through physical treatment with ionic polymers. <i>Process Biochemistry</i> , 2014, 49, 1511-1515.	1.8	70
244	Combined Effects of Ultrasound and Immobilization Protocol on Butyl Acetate Synthesis Catalyzed by CALB. <i>Molecules</i> , 2014, 19, 9562-9576.	1.7	42
245	Editorial: Special Issue "Enzyme Immobilization". <i>Molecules</i> , 2014, 19, 20671-20674.	1.7	5
246	Evaluation of Styrene-Divinylbenzene Beads as a Support to Immobilize Lipases. <i>Molecules</i> , 2014, 19, 7629-7645.	1.7	62
247	Antimicrobial Peptides: Promising Compounds Against Pathogenic Microorganisms. <i>Current Medicinal Chemistry</i> , 2014, 21, 2299-2321.	1.2	146
248	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
249	Characterization of the catalytic properties of lipases from plant seeds for the production of concentrated fatty acids from different vegetable oils. <i>Industrial Crops and Products</i> , 2013, 49, 462-470.	2.5	49
250	Fast immunosensing technique to detect <i>Legionella pneumophila</i> in different natural and anthropogenic environments: comparative and collaborative trials. <i>BMC Microbiology</i> , 2013, 13, 88.	1.3	16
251	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
252	Continuous production of β -cyclodextrin from starch by highly stable cyclodextrin glycosyltransferase immobilized on chitosan. <i>Carbohydrate Polymers</i> , 2013, 98, 1311-1316.	5.1	53

#	ARTICLE	IF	CITATIONS
253	Stabilization of the hexameric glutamate dehydrogenase from <i>Escherichia coli</i> by cations and polyethyleneimine. <i>Enzyme and Microbial Technology</i> , 2013, 52, 211-217.	1.6	45
254	Multipoint covalent immobilization of lipases on aldehyde-activated support: Characterization and application in transesterification reaction. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 94, 57-62.	1.8	26
255	Effect of immobilization protocol on optimal conditions of ethyl butyrate synthesis catalyzed by lipase B from <i>Candida antarctica</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 2013, 88, 1089-1095.	1.6	63
256	Biotechnological prospects of the lipase from <i>Mucor javanicus</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 93, 34-43.	1.8	21
257	Optimization of synthesis of fatty acid methyl esters catalyzed by lipase B from <i>Candida antarctica</i> immobilized on hydrophobic supports. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 94, 51-56.	1.8	52
258	High operational stability of invertase from <i>Saccharomyces cerevisiae</i> immobilized on chitosan nanoparticles. <i>Carbohydrate Polymers</i> , 2013, 92, 462-468.	5.1	64
259	Ultrasound-assisted butyl acetate synthesis catalyzed by Novozym 435: Enhanced activity and operational stability. <i>Ultrasonics Sonochemistry</i> , 2013, 20, 1155-1160.	3.8	105
260	Improved production of butyl butyrate with lipase from <i>Thermomyces lanuginosus</i> immobilized on styrene- <i>divinylbenzene</i> beads. <i>Bioresource Technology</i> , 2013, 134, 417-422.	4.8	94
261	High stability of immobilized β -D-galactosidase for lactose hydrolysis and galactooligosaccharides synthesis. <i>Carbohydrate Polymers</i> , 2013, 95, 465-470.	5.1	90
262	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
263	Modifying enzyme activity and selectivity by immobilization. <i>Chemical Society Reviews</i> , 2013, 42, 6290-6307.	18.7	1,552
264	Optimized butyl butyrate synthesis catalyzed by <i>Thermomyces lanuginosus</i> lipase. <i>Biotechnology Progress</i> , 2013, 29, 1416-1421.	1.3	21
265	Hydrogen Peroxide in Biocatalysis. A Dangerous Liaison. <i>Current Organic Chemistry</i> , 2012, 16, 2652-2672.	0.9	133
266	Versatility of glutaraldehyde to immobilize lipases: Effect of the immobilization protocol on the properties of lipase B from <i>Candida antarctica</i> . <i>Process Biochemistry</i> , 2012, 47, 1220-1227.	1.8	188
267	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
268	Immobilization of lipase B from <i>Candida antarctica</i> on porous styrene- <i>divinylbenzene</i> beads improves butyl acetate synthesis. <i>Biotechnology Progress</i> , 2012, 28, 406-412.	1.3	66
269	Effect of the Support Size on the Properties of β -Galactosidase Immobilized on Chitosan: Advantages and Disadvantages of Macro and Nanoparticles. <i>Biomacromolecules</i> , 2012, 13, 2456-2464.	2.6	131
270	Optimized preparation of CALB-CLEAs by response surface methodology: The necessity to employ a feeder to have an effective crosslinking. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2012, 80, 7-14.	1.8	72

#	ARTICLE	IF	CITATIONS
271	Effect of solid-phase chemical modification on the features of the lipase from <i>Thermomyces lanuginosus</i> . <i>Process Biochemistry</i> , 2012, 47, 460-466.	1.8	34
272	The slow-down of the CALB immobilization rate permits to control the inter and intra molecular modification produced by glutaraldehyde. <i>Process Biochemistry</i> , 2012, 47, 766-774.	1.8	62
273	Modulation of the properties of immobilized CALB by chemical modification with 2,3,4-trinitrobenzenesulfonate or ethylenediamine. Advantages of using adsorbed lipases on hydrophobic supports. <i>Process Biochemistry</i> , 2012, 47, 867-876.	1.8	66
274	Optimization of pineapple flavour synthesis by esterification catalysed by immobilized lipase from <i>Rhizomucor miehei</i> . <i>Flavour and Fragrance Journal</i> , 2012, 27, 196-200.	1.2	37
275	Effect of the immobilization protocol on the properties of lipase B from <i>Candida antarctica</i> in organic media: Enantiospecific production of atenolol acetate. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2011, 71, 124-132.	1.8	59
276	Coupling Chemical Modification and Immobilization to Improve the Catalytic Performance of Enzymes. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 2216-2238.	2.1	329
277	Potential of Different Enzyme Immobilization Strategies to Improve Enzyme Performance. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 2885-2904.	2.1	1,389
278	Purification, immobilization, and characterization of a specific lipase from <i>Staphylococcus warneri</i> EX17 by enzyme fractionating via adsorption on different hydrophobic supports. <i>Biotechnology Progress</i> , 2011, 27, 717-723.	1.3	12
279	Control of protein immobilization: Coupling immobilization and site-directed mutagenesis to improve biocatalyst or biosensor performance. <i>Enzyme and Microbial Technology</i> , 2011, 48, 107-122.	1.6	541
280	Hydrolysis of triacetin catalyzed by immobilized lipases: Effect of the immobilization protocol and experimental conditions on diacetin yield. <i>Enzyme and Microbial Technology</i> , 2011, 48, 510-517.	1.6	56
281	Simple and efficient immobilization of lipase B from <i>Candida antarctica</i> on porous styrene-divinylbenzene beads. <i>Enzyme and Microbial Technology</i> , 2011, 49, 72-78.	1.6	113
282	Enhancing the functional properties of thermophilic enzymes by chemical modification and immobilization. <i>Enzyme and Microbial Technology</i> , 2011, 49, 326-346.	1.6	295
283	Effects of the combined use of <i>Thermomyces lanuginosus</i> and <i>Rhizomucor miehei</i> lipases for the transesterification and hydrolysis of soybean oil. <i>Process Biochemistry</i> , 2011, 46, 682-688.	1.8	102
284	Lipase B from <i>Candida antarctica</i> immobilized on octadecyl Sepabeads: A very stable biocatalyst in the presence of hydrogen peroxide. <i>Process Biochemistry</i> , 2011, 46, 873-878.	1.8	52
285	Lipase from <i>Thermomyces lanuginosus</i> : Uses and prospects as an industrial biocatalyst. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2010, 62, 197-212.	1.8	495
286	Lipase from <i>Rhizomucor miehei</i> as an industrial biocatalyst in chemical process. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2010, 64, 1-22.	1.8	241
287	Lipase from <i>Rhizomucor miehei</i> as a biocatalyst in fats and oils modification. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2010, 66, 15-32.	1.8	225
288	Complete reactivation of immobilized derivatives of a trimeric glutamate dehydrogenase from <i>Thermus thermophilus</i> . <i>Process Biochemistry</i> , 2010, 45, 107-113.	1.8	24

#	ARTICLE	IF	CITATIONS
289	Two step ethanolysis: A simple and efficient way to improve the enzymatic biodiesel synthesis catalyzed by an immobilized-stabilized lipase from <i>Thermomyces lanuginosus</i> . <i>Process Biochemistry</i> , 2010, 45, 1268-1273.	1.8	70
290	New Trends in the Recycling of NAD(P)H for the Design of Sustainable Asymmetric Reductions Catalyzed by Dehydrogenases. <i>Current Organic Chemistry</i> , 2010, 14, 1000-1021.	0.9	67
291	Use of Enzymes in the Production of Semi-Synthetic Penicillins and Cephalosporins: Drawbacks and Perspectives. <i>Current Medicinal Chemistry</i> , 2010, 17, 3855-3873.	1.2	109
292	Activation of Bacterial Thermoalkalophilic Lipases Is Spurred by Dramatic Structural Rearrangements. <i>Journal of Biological Chemistry</i> , 2009, 284, 4365-4372.	1.6	196
293	Different derivatives of a lipase display different regioselectivity in the monohydrolysis of per-O-acetylated 1-O-substituted- β -galactopyranosides. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009, 58, 36-40.	1.8	18
294	Purification and stabilization of a glutamate dehydrogenase from <i>Thermus thermophilus</i> via oriented multisubunit plus multipoint covalent immobilization. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009, 58, 158-163.	1.8	53
295	Modulation of a lipase from <i>Staphylococcus warneri</i> EX17 using immobilization techniques. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009, 60, 125-132.	1.8	20
296	Simple strategy of reactivation of a partially inactivated penicillin G acylase biocatalyst in organic solvent and its impact on the synthesis of β -lactam antibiotics. <i>Biotechnology and Bioengineering</i> , 2009, 103, 472-479.	1.7	20
297	Purification, immobilization and stabilization of a highly enantioselective alcohol dehydrogenase from <i>Thermus thermophilus</i> HB27 cloned in <i>E. coli</i> . <i>Process Biochemistry</i> , 2009, 44, 1004-1012.	1.8	27
298	Separation and Immobilization of Lipase from <i>Penicillium simplicissimum</i> by Selective Adsorption on Hydrophobic Supports. <i>Applied Biochemistry and Biotechnology</i> , 2009, 156, 133-145.	1.4	26
299	Effects of oxygen volumetric mass transfer coefficient and pH on lipase production by <i>Staphylococcus warneri</i> EX17. <i>Biotechnology and Bioengineering</i> , 2009, 14, 105-111.	1.4	15
300	Novozym 435 displays very different selectivity compared to lipase from <i>Candida antarctica</i> B adsorbed on other hydrophobic supports. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009, 57, 171-176.	1.8	159
301	Positive effects of the multipoint covalent immobilization in the reactivation of partially inactivated derivatives of lipase from <i>Thermomyces lanuginosus</i> . <i>Enzyme and Microbial Technology</i> , 2009, 44, 386-393.	1.6	33
302	The presence of thiolated compounds allows the immobilization of enzymes on glyoxyl agarose at mild pH values: New strategies of stabilization by multipoint covalent attachment. <i>Enzyme and Microbial Technology</i> , 2009, 45, 477-483.	1.6	46
303	Improved reactivation of immobilized-stabilized lipase from <i>Thermomyces lanuginosus</i> by its coating with highly hydrophilic polymers. <i>Journal of Biotechnology</i> , 2009, 144, 113-119.	1.9	29
304	Enhancement of Novozym-435 catalytic properties by physical or chemical modification. <i>Process Biochemistry</i> , 2009, 44, 226-231.	1.8	51
305	The co-operative effect of physical and covalent protein adsorption on heterofunctional supports. <i>Process Biochemistry</i> , 2009, 44, 757-763.	1.8	40
306	Chemo-biocatalytic regioselective one-pot synthesis of different deprotected monosaccharides. <i>Catalysis Today</i> , 2009, 140, 11-18.	2.2	34

#	ARTICLE	IF	CITATIONS
307	The adsorption of multimeric enzymes on very lowly activated supports involves more enzyme subunits: Stabilization of a glutamate dehydrogenase from <i>Thermus thermophilus</i> by immobilization on heterofunctional supports. <i>Enzyme and Microbial Technology</i> , 2009, 44, 139-144.	1.6	39
308	Stabilization of multimeric enzymes: Strategies to prevent subunit dissociation. <i>Enzyme and Microbial Technology</i> , 2009, 45, 405-418.	1.6	561
309	Coating of Soluble and Immobilized Enzymes with Ionic Polymers: Full Stabilization of the Quaternary Structure of Multimeric Enzymes. <i>Biomacromolecules</i> , 2009, 10, 742-747.	2.6	111
310	Stabilization of the quaternary structure of a hexameric alpha-galactosidase from <i>Thermus</i> sp. T2 by immobilization and post-immobilization techniques. <i>Process Biochemistry</i> , 2008, 43, 193-198.	1.8	28
311	Interfacially activated lipases against hydrophobic supports: Effect of the support nature on the biocatalytic properties. <i>Process Biochemistry</i> , 2008, 43, 1061-1067.	1.8	191
312	Immobilization and stabilization of a new recombinant glutamate dehydrogenase from <i>Thermus thermophilus</i> . <i>Applied Microbiology and Biotechnology</i> , 2008, 80, 49-58.	1.7	42
313	Immobilization of <i>Yarrowia lipolytica</i> Lipase: A Comparison of Stability of Physical Adsorption and Covalent Attachment Techniques. <i>Applied Biochemistry and Biotechnology</i> , 2008, 146, 49-56.	1.4	41
314	Crystallization and preliminary X-ray diffraction studies of the BTL2 lipase from the extremophilic microorganism <i>Bacillus thermocatenuatus</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2008, 64, 1043-1045.	0.7	7
315	Evaluation of Different Glutaryl Acylase Mutants to Improve the Hydrolysis of Cephalosporin C in the Absence of Hydrogen Peroxide. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 343-348.	2.1	23
316	Reversible immobilization of a hexameric α -galactosidase from <i>Thermus</i> sp. strain T2 on polymeric ionic exchangers. <i>Process Biochemistry</i> , 2008, 43, 1142-1146.	1.8	24
317	Immobilization of the acylase from <i>Escherichia coli</i> on glyoxyl-agarose gives efficient catalyst for the synthesis of cephalosporins. <i>Enzyme and Microbial Technology</i> , 2008, 42, 121-129.	1.6	28
318	Asymmetric hydrolysis of dimethyl 3-phenylglutarate catalyzed by Lecitase Ultra [®] . <i>Enzyme and Microbial Technology</i> , 2008, 43, 531-536.	1.6	18
319	Preparation of linear oligosaccharides by a simple monoprotective chemo-enzymatic approach. <i>Tetrahedron</i> , 2008, 64, 9286-9292.	1.0	26
320	Regioselective monohydrolysis of per-O-acetylated-1-substituted- β -glucopyranosides catalyzed by immobilized lipases. <i>Tetrahedron</i> , 2008, 64, 10721-10727.	1.0	19
321	Immobilization and stabilization of an α -galactosidase from <i>Thermus</i> sp. strain T2 by covalent immobilization on highly activated supports: Selection of the optimal immobilization strategy. <i>Enzyme and Microbial Technology</i> , 2008, 42, 265-271.	1.6	30
322	Stabilization of a Multimeric β -Galactosidase from <i>Thermus</i> sp. Strain T2 by Immobilization on Novel Heterofunctional Epoxy Supports Plus Aldehyde-Dextran Cross-Linking. <i>Biotechnology Progress</i> , 2008, 20, 388-392.	1.3	44
323	New Cationic Exchanger Support for Reversible Immobilization of Proteins. <i>Biotechnology Progress</i> , 2008, 20, 284-288.	1.3	37
324	Reversible Immobilization of Glutaryl Acylase on Sepabeads Coated with Polyethyleneimine. <i>Biotechnology Progress</i> , 2008, 20, 533-536.	1.3	23

#	ARTICLE	IF	CITATIONS
325	Thermodynamically Controlled Synthesis of Amide Bonds Catalyzed by Highly Organic Solvent-Resistant Penicillin Acylase Derivatives. <i>Biotechnology Progress</i> , 2008, 20, 117-121.	1.3	11
326	Purification, Immobilization, and Stabilization of a Lipase from <i>Bacillus thermocatenulatus</i> by Interfacial Adsorption on Hydrophobic Supports. <i>Biotechnology Progress</i> , 2008, 20, 630-635.	1.3	68
327	Lecitase® ultra as regioselective biocatalyst in the hydrolysis of fully protected carbohydrates. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2008, 51, 110-117.	1.8	43
328	Preparation of an immobilized and stabilized catalase derivative from <i>Aspergillus niger</i> having its multimeric structure stabilized: The effect of Zn ²⁺ on enzyme stability. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2008, 55, 142-145.	1.8	14
329	Covalent Immobilization of Antibodies on Finally Inert Support Surfaces through their Surface Regions Having the Highest Densities in Carboxyl Groups. <i>Biomacromolecules</i> , 2008, 9, 2230-2236.	2.6	50
330	Study Cases of Enzymatic Processes. , 2008, , 253-378.		5
331	Solid-Phase Chemical Amination of a Lipase from <i>Bacillus thermocatenulatus</i> To Improve Its Stabilization via Covalent Immobilization on Highly Activated Glyoxyl-Agarose. <i>Biomacromolecules</i> , 2008, 9, 2553-2561.	2.6	98
332	Oriented Covalent Immobilization of Antibodies on Physically Inert and Hydrophilic Support Surfaces through Their Glycosidic Chains. <i>Biomacromolecules</i> , 2008, 9, 719-723.	2.6	24
333	Stabilization of an Amylase from <i>Neurospora crassa</i> by Immobilization on Highly Activated Supports. <i>Food Biotechnology</i> , 2008, 22, 262-275.	0.6	4
334	Heterogeneous Enzyme Kinetics. , 2008, , 155-203.		14
335	Production of a Thermo-resistant Alpha-galactosidase from <i>Thermus</i> sp. Strain T2 for Food Processing. <i>Food Biotechnology</i> , 2007, 21, 91-103.	0.6	11
336	Genetic Modification of the Penicillin G Acylase Surface To Improve Its Reversible Immobilization on Ionic Exchangers. <i>Applied and Environmental Microbiology</i> , 2007, 73, 312-319.	1.4	41
337	Partial Purification and Immobilization/Stabilization on Highly Activated Glyoxyl-agarose Supports of Different Proteases from Flavourzyme. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 6503-6508.	2.4	9
338	Mixed Ion Exchange Supports as Useful Ion Exchangers for Protein Purification: Purification of Penicillin G Acylase from <i>Escherichia coli</i> . <i>Biomacromolecules</i> , 2007, 8, 703-707.	2.6	40
339	Optical fibre biosensors using enzymatic transducers to monitor glucose. <i>Measurement Science and Technology</i> , 2007, 18, 3177-3186.	1.4	26
340	Advances in the design of new epoxy supports for enzyme immobilization and stabilization. <i>Biochemical Society Transactions</i> , 2007, 35, 1593-1601.	1.6	188
341	Improved catalytic properties of immobilized lipases by the presence of very low concentrations of detergents in the reaction medium. <i>Biotechnology and Bioengineering</i> , 2007, 97, 242-250.	1.7	81
342	Improved Stabilization of Genetically Modified Penicillin G Acylase in the Presence of Organic Cosolvents by Co-Immobilization of the Enzyme with Polyethyleneimine. <i>Advanced Synthesis and Catalysis</i> , 2007, 349, 459-464.	2.1	38

#	ARTICLE	IF	CITATIONS
343	Modulation of Immobilized Lipase Enantioselectivity via Chemical Amination. <i>Advanced Synthesis and Catalysis</i> , 2007, 349, 1119-1127.	2.1	66
344	Regioselective Hydrolysis of Different Peracetylated β -Monosaccharides by Immobilized Lipases from Different Sources. Key Role of The Immobilization. <i>Advanced Synthesis and Catalysis</i> , 2007, 349, 1969-1976.	2.1	45
345	Preparation of a very stable immobilized <i>Solanum tuberosum</i> epoxide hydrolase. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 1233-1238.	1.8	20
346	Modulation of the catalytic properties of multimeric β -galactosidase from <i>E. coli</i> by using different immobilization protocols. <i>Enzyme and Microbial Technology</i> , 2007, 40, 310-315.	1.6	39
347	Selective adsorption of large proteins on highly activated IMAC supports in the presence of high imidazole concentrations: Purification, reversible immobilization and stabilization of thermophilic β - and β -galactosidases. <i>Enzyme and Microbial Technology</i> , 2007, 40, 242-248.	1.6	30
348	Stabilization of different alcohol oxidases via immobilization and post immobilization techniques. <i>Enzyme and Microbial Technology</i> , 2007, 40, 278-284.	1.6	66
349	Evaluation of different immobilization strategies to prepare an industrial biocatalyst of formate dehydrogenase from <i>Candida boidinii</i> . <i>Enzyme and Microbial Technology</i> , 2007, 40, 540-546.	1.6	65
350	Glutaraldehyde modification of lipases adsorbed on aminated supports: A simple way to improve their behaviour as enantioselective biocatalyst. <i>Enzyme and Microbial Technology</i> , 2007, 40, 704-707.	1.6	55
351	Effect of the support and experimental conditions in the intensity of the multipoint covalent attachment of proteins on glyoxyl-agarose supports: Correlation between enzyme-support linkages and thermal stability. <i>Enzyme and Microbial Technology</i> , 2007, 40, 1160-1166.	1.6	200
352	Partial and enantioselective hydrolysis of diethyl phenylmalonate by immobilized preparations of lipase from <i>Thermomyces lanuginosus</i> . <i>Enzyme and Microbial Technology</i> , 2007, 40, 1280-1285.	1.6	30
353	Improvement of enzyme activity, stability and selectivity via immobilization techniques. <i>Enzyme and Microbial Technology</i> , 2007, 40, 1451-1463.	1.6	2,864
354	Asymmetric hydrolysis of dimethyl phenylmalonate by immobilized penicillin G acylase from <i>E. coli</i> . <i>Enzyme and Microbial Technology</i> , 2007, 40, 997-1000.	1.6	9
355	Specificity enhancement towards hydrophobic substrates by immobilization of lipases by interfacial activation on hydrophobic supports. <i>Enzyme and Microbial Technology</i> , 2007, 41, 565-569.	1.6	109
356	Solid phase proteomics: Dramatic reinforcement of very weak protein-protein interactions. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 849, 243-250.	1.2	23
357	Immobilization of enzymes on heterofunctional epoxy supports. <i>Nature Protocols</i> , 2007, 2, 1022-1033.	5.5	269
358	Effect of the immobilization protocol in the activity, stability, and enantioselectivity of <i>Lecitase® Ultra</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2007, 47, 99-104.	1.8	42
359	Screening of lipases for regioselective hydrolysis of peracetylated β -monosaccharides. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2007, 49, 12-17.	1.8	12
360	Enzymatic synthesis of cephalosporins. The immobilized acylase from <i>Arthrobacter viscosus</i> : A new useful biocatalyst. <i>Applied Microbiology and Biotechnology</i> , 2007, 77, 579-587.	1.7	20

#	ARTICLE	IF	CITATIONS
361	Immobilization of <i>Yarrowia lipolytica</i> Lipase—A Comparison of Stability of Physical Adsorption and Covalent Attachment Techniques. , 2007, , 169-176.		3
362	Preparation of a very stable immobilized biocatalyst of glucose oxidase from <i>Aspergillus niger</i> . <i>Journal of Biotechnology</i> , 2006, 121, 284-289.	1.9	78
363	Improvement of the stability of alcohol dehydrogenase by covalent immobilization on glyoxyl-agarose. <i>Journal of Biotechnology</i> , 2006, 125, 85-94.	1.9	86
364	Adsorption Behavior of Bovine Serum Albumin on Lowly Activated Anionic Exchangers Suggests a New Strategy for Solid-Phase Proteomics. <i>Biomacromolecules</i> , 2006, 7, 1357-1361.	2.6	15
365	Detection of Polyclonal Antibody Against Any Area of the Protein-Antigen Using Immobilized Protein-Antigens: The Critical Role of the Immobilization Protocol. <i>Biomacromolecules</i> , 2006, 7, 540-544.	2.6	22
366	Very Strong But Reversible Immobilization of Enzymes on Supports Coated With Ionic Polymers. <i>Methods in Biotechnology</i> , 2006, , 205-216.	0.2	8
367	One-Step Purification, Immobilization, and Stabilization of Poly-Histidine-Tagged Enzymes Using Metal Chelate-Epoxy Supports. <i>Methods in Biotechnology</i> , 2006, , 117-128.	0.2	3
368	Stabilization of a Formate Dehydrogenase by Covalent Immobilization on Highly Activated Glyoxyl-Agarose Supports. <i>Biomacromolecules</i> , 2006, 7, 669-673.	2.6	75
369	Glutaraldehyde Cross-Linking of Lipases Adsorbed on Aminated Supports in the Presence of Detergents Leads to Improved Performance. <i>Biomacromolecules</i> , 2006, 7, 2610-2615.	2.6	121
370	Chemical Modification of Protein Surfaces To Improve Their Reversible Enzyme Immobilization on Ionic Exchangers. <i>Biomacromolecules</i> , 2006, 7, 3052-3058.	2.6	46
371	Simple Purification of Immunoglobulins from Whey Proteins Concentrate. <i>Biotechnology Progress</i> , 2006, 22, 590-594.	1.3	16
372	Immobilization and Stabilization of a Cyclodextrin Glycosyltransferase by Covalent Attachment on Highly Activated Glyoxyl-Agarose Supports. <i>Biotechnology Progress</i> , 2006, 22, 1140-1145.	1.3	38
373	Unusual enzymatic resolution of (R)-glycidyl-butyrate for the production of (S)-glycidyl derivatives. <i>Enzyme and Microbial Technology</i> , 2006, 38, 429-435.	1.6	18
374	Glyoxyl agarose: A fully inert and hydrophilic support for immobilization and high stabilization of proteins. <i>Enzyme and Microbial Technology</i> , 2006, 39, 274-280.	1.6	347
375	Use of polyvalent cations to improve the adsorption strength between adsorbed enzymes and supports coated with dextran sulfate. <i>Enzyme and Microbial Technology</i> , 2006, 39, 332-336.	1.6	6
376	Supports coated with PEI as a new tool in chromatography. <i>Enzyme and Microbial Technology</i> , 2006, 39, 711-716.	1.6	21
377	CLEAs of lipases and poly-ionic polymers: A simple way of preparing stable biocatalysts with improved properties. <i>Enzyme and Microbial Technology</i> , 2006, 39, 750-755.	1.6	114
378	Purification and identification of different lipases contained in PPL commercial extracts: A minor contaminant is the main responsible of most esterase activity. <i>Enzyme and Microbial Technology</i> , 2006, 39, 817-823.	1.6	36

#	ARTICLE	IF	CITATIONS
379	Purification and very strong reversible immobilization of large proteins on anionic exchangers by controlling the support and the immobilization conditions. <i>Enzyme and Microbial Technology</i> , 2006, 39, 909-915.	1.6	48
380	Improvement of the enantioselectivity of lipase (fraction B) from <i>Candida antarctica</i> via adsorption on polyethylenimine-agarose under different experimental conditions. <i>Enzyme and Microbial Technology</i> , 2006, 39, 167-171.	1.6	54
381	Detecting minimal traces of DNA using DNA covalently attached to superparamagnetic nanoparticles and direct PCR-ELISA. <i>Biosensors and Bioelectronics</i> , 2006, 21, 1574-1580.	5.3	65
382	Improvement of the functional properties of a thermostable lipase from <i>alcaligenes</i> sp. via strong adsorption on hydrophobic supports. <i>Enzyme and Microbial Technology</i> , 2006, 38, 975-980.	1.6	75
383	Glyoxyl agarose as a new chromatographic matrix. <i>Enzyme and Microbial Technology</i> , 2006, 38, 960-966.	1.6	56
384	Effect of lipase-lipase interactions in the activity, stability and specificity of a lipase from <i>Alcaligenes</i> sp.. <i>Enzyme and Microbial Technology</i> , 2006, 39, 259-264.	1.6	64
385	Different mechanisms of protein immobilization on glutaraldehyde activated supports: Effect of support activation and immobilization conditions. <i>Enzyme and Microbial Technology</i> , 2006, 39, 877-882.	1.6	361
386	Crosslinked Penicillin Acylase Aggregates for Synthesis of β -Lactam Antibiotics in Organic Medium. <i>Applied Biochemistry and Biotechnology</i> , 2006, 133, 189-202.	1.4	46
387	Immobilization and Stabilization of Proteins by Multipoint Covalent Attachment on Novel Amino-Epoxy-Sepabeads [®] . <i>Methods in Biotechnology</i> , 2006, , 153-162.	0.2	1
388	Preparation of an Industrial Biocatalyst of Penicillin G Acylase on Sepabeads. , 2005, , 273-288.		0
389	Lipase-lipase interactions as a new tool to immobilize and modulate the lipase properties. <i>Enzyme and Microbial Technology</i> , 2005, 36, 447-454.	1.6	110
390	Aldehyde-dextran-protein conjugates to immobilize amino-haptens: avoiding cross-reactions in the immunodetection. <i>Enzyme and Microbial Technology</i> , 2005, 36, 510-513.	1.6	9
391	Penicillin G acylase catalyzed acylation of 7-ACA in aqueous two-phase systems using kinetically and thermodynamically controlled strategies: improved enzymatic synthesis of 7-[(1-hydroxy-1-phenyl)-acetamido]-3-acetoxymethyl- β -3-cephem-4-carboxylic acid. <i>Enzyme and Microbial Technology</i> , 2005, 36, 672-679.	1.6	26
392	Increasing the binding strength of proteins to PEI coated supports by immobilizing at high ionic strength. <i>Enzyme and Microbial Technology</i> , 2005, 37, 295-299.	1.6	37
393	Synthesis of enantiomerically pure glycidol via a fully enantioselective lipase-catalyzed resolution. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 869-874.	1.8	63
394	Preparation of inert magnetic nano-particles for the directed immobilization of antibodies. <i>Biosensors and Bioelectronics</i> , 2005, 20, 1380-1387.	5.3	86
395	Some special features of glyoxyl supports to immobilize proteins. <i>Enzyme and Microbial Technology</i> , 2005, 37, 456-462.	1.6	257
396	Preparation of a robust biocatalyst of d-amino acid oxidase on sepabeads supports using the glutaraldehyde crosslinking method. <i>Enzyme and Microbial Technology</i> , 2005, 37, 750-756.	1.6	69

#	ARTICLE	IF	CITATIONS
397	Optimization of the modification of carrier proteins with aminated haptens. <i>Journal of Immunological Methods</i> , 2005, 307, 144-149.	0.6	23
398	Dextran aldehyde coating of glucose oxidase immobilized on magnetic nanoparticles prevents its inactivation by gas bubbles. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2005, 32, 97-101.	1.8	106
399	Immobilization and stabilization of glutaryl acylase on aminated sephabeads supports by the glutaraldehyde crosslinking method. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2005, 35, 57-61.	1.8	59
400	Stabilization of enzymes by multipoint immobilization of thiolated proteins on new epoxy-thiol supports. <i>Biotechnology and Bioengineering</i> , 2005, 90, 597-605.	1.7	90
401	Purification of different lipases from <i>Aspergillus niger</i> by using a highly selective adsorption on hydrophobic supports. <i>Biotechnology and Bioengineering</i> , 2005, 92, 773-779.	1.7	48
402	Influence of Substrate Structure on PGA-Catalyzed Acylations. Evaluation of Different Approaches for the Enzymatic Synthesis of Cefonicid. <i>Advanced Synthesis and Catalysis</i> , 2005, 347, 121-128.	2.1	19
403	One-Pot Conversion of Cephalosporin C to 7-Aminocephalosporanic Acid in the Absence of Hydrogen Peroxide. <i>Advanced Synthesis and Catalysis</i> , 2005, 347, 1804-1810.	2.1	52
404	Purification, stabilization, and concentration of very weak protein-protein complexes: Shifting the association equilibrium via complex selective adsorption on lowly activated supports. <i>Proteomics</i> , 2005, 5, 4062-4069.	1.3	23
405	Improved stabilization of chemically aminated enzymes via multipoint covalent attachment on glyoxyl supports. <i>Journal of Biotechnology</i> , 2005, 116, 1-10.	1.9	114
406	Enzyme stabilization by glutaraldehyde crosslinking of adsorbed proteins on aminated supports. <i>Journal of Biotechnology</i> , 2005, 119, 70-75.	1.9	259
407	Stabilization of enzymes by multipoint attachment via reversible immobilization on phenylboronic activated supports. <i>Journal of Biotechnology</i> , 2005, 120, 396-401.	1.9	13
408	Advantages of the Pre-Immobilization of Enzymes on Porous Supports for Their Entrapment in SolâGels. <i>Biomacromolecules</i> , 2005, 6, 1027-1030.	2.6	51
409	Co-aggregation of Enzymes and Polyethyleneimine: A Simple Method To Prepare Stable and Immobilized Derivatives of Glutaryl Acylase. <i>Biomacromolecules</i> , 2005, 6, 1839-1842.	2.6	96
410	Stabilization of Penicillin G Acylase from <i>Escherichia coli</i> : Site-Directed Mutagenesis of the Protein Surface To Increase Multipoint Covalent Attachment. <i>Applied and Environmental Microbiology</i> , 2004, 70, 1249-1251.	1.4	111
411	<i>Thermus thermophilus</i> as a Cell Factory for the Production of a Thermophilic Mn-Dependent Catalase Which Fails To Be Synthesized in an Active Form in <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2004, 70, 3839-3844.	1.4	46
412	Use of an Antisense RNA Strategy To Investigate the Functional Significance of Mn-Catalase in the Extreme Thermophile <i>Thermus thermophilus</i> . <i>Journal of Bacteriology</i> , 2004, 186, 7804-7806.	1.0	11
413	Enantioselective Synthesis of Phenylacetamides in the Presence of High Organic Cosolvent Concentrations Catalyzed by Stabilized Penicillin G Acylase. Effect of the Acyl Donor. <i>Biotechnology Progress</i> , 2004, 20, 984-988.	1.3	12
414	Different Properties of the Lipases Contained in Porcine Pancreatic Lipase Extracts as Enantioselective Biocatalysts. <i>Biotechnology Progress</i> , 2004, 20, 825-829.	1.3	38

#	ARTICLE	IF	CITATIONS
415	A Simple Strategy for the Purification of Large Thermophilic Proteins Overexpressed in Mesophilic Microorganisms: Application to Multimeric Enzymes from <i>Thermus</i> sp. Strain T2 Expressed in <i>Escherichia coli</i> . <i>Biotechnology Progress</i> , 2004, 20, 1507-1511.	1.3	17
416	Reversible immobilization of glucoamylase by ionic adsorption on sepabeads coated with polyethyleneimine. <i>Biotechnology Progress</i> , 2004, 20, 1297-1300.	1.3	47
417	Reversible and strong immobilization of proteins by ionic exchange on supports coated with sulfate-dextran. <i>Biotechnology Progress</i> , 2004, 20, 1134-1139.	1.3	82
418	Immobilization of lactase from <i>Kluyveromyces lactis</i> greatly reduces the inhibition promoted by glucose. full hydrolysis of lactose in milk. <i>Biotechnology Progress</i> , 2004, 20, 1259-1262.	1.3	90
419	Purification of a Catalase from <i>Thermus thermophilus</i> via IMAC Chromatography: Effect of the Support. <i>Biotechnology Progress</i> , 2004, 20, 1578-1582.	1.3	8
420	Use of immobilized lipases for lipase purification via specific lipase-lipase interactions. <i>Journal of Chromatography A</i> , 2004, 1038, 267-273.	1.8	121
421	Determination of protein-protein interactions through aldehyde-dextran intermolecular cross-linking. <i>Proteomics</i> , 2004, 4, 2602-2607.	1.3	69
422	Encapsulation of crosslinked penicillin G acylase aggregates in lentikats: Evaluation of a novel biocatalyst in organic media. <i>Biotechnology and Bioengineering</i> , 2004, 86, 558-562.	1.7	130
423	Synthesis of 2-Deoxynucleosides by Transglycosylation with New Immobilized and Stabilized Uridine Phosphorylase and Purine Nucleoside Phosphorylase. <i>Advanced Synthesis and Catalysis</i> , 2004, 346, 1361-1366.	2.1	53
424	Ion exchange using poorly activated supports, an easy way for purification of large proteins. <i>Journal of Chromatography A</i> , 2004, 1034, 155-159.	1.8	70
425	Detection and purification of two antibody-antigen complexes via selective adsorption on lowly activated anion exchangers. <i>Journal of Chromatography A</i> , 2004, 1059, 89-94.	1.8	20
426	Enzymatic resolution of (±)-glycidyl butyrate in aqueous media. Strong modulation of the properties of the lipase from <i>Rhizopus oryzae</i> via immobilization techniques. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 1157-1161.	1.8	43
427	Resolution of paroxetine precursor using different lipases. <i>Enzyme and Microbial Technology</i> , 2004, 34, 264-269.	1.6	14
428	Selective and mild adsorption of large proteins on lowly activated immobilized metal ion affinity chromatography matrices. <i>Journal of Chromatography A</i> , 2004, 1055, 93-98.	1.8	24
429	Improving the Activity of Lipases from Thermophilic Organisms at Mesophilic Temperatures for Biotechnology Applications. <i>Biomacromolecules</i> , 2004, 5, 249-254.	2.6	26
430	Immobilization of Rennet from <i>Mucormieheivia</i> Its Sugar Chain. Its Use in Milk Coagulation. <i>Biomacromolecules</i> , 2004, 5, 2029-2033.	2.6	23
431	Cross-Linked Aggregates of Multimeric Enzymes: A Simple and Efficient Methodology To Stabilize Their Quaternary Structure. <i>Biomacromolecules</i> , 2004, 5, 814-817.	2.6	95
432	Co-Aggregation of Penicillin G Acylase and Polyionic Polymers: An Easy Methodology To Prepare Enzyme Biocatalysts Stable in Organic Media. <i>Biomacromolecules</i> , 2004, 5, 852-857.	2.6	120

#	ARTICLE	IF	CITATIONS
433	Directed Covalent Immobilization of Aminated DNA Probes on Aminated Plates. <i>Biomacromolecules</i> , 2004, 5, 883-888.	2.6	29
434	Immobilization and Stabilization of Recombinant Multimeric Uridine and Purine Nucleoside Phosphorylases from <i>Bacillus subtilis</i> . <i>Biomacromolecules</i> , 2004, 5, 2195-2200.	2.6	54
435	Prevention of interfacial inactivation of enzymes by coating the enzyme surface with dextran-aldehyde. <i>Journal of Biotechnology</i> , 2004, 110, 201-207.	1.9	68
436	Optimization of an industrial biocatalyst of glutaryl acylase: Stabilization of the enzyme by multipoint covalent attachment onto new amino-epoxy Sepabeads. <i>Journal of Biotechnology</i> , 2004, 111, 219-227.	1.9	48
437	Inhibitory effects in the side reactions occurring during the enzymic synthesis of amoxicillin: p-hydroxyphenylglycine methyl ester and amoxicillin hydrolysis. <i>Biotechnology and Applied Biochemistry</i> , 2003, 38, 77.	1.4	12
438	Epoxy-Amino Groups: A New Tool for Improved Immobilization of Proteins by the Epoxy Method. <i>Biomacromolecules</i> , 2003, 4, 772-777.	2.6	234
439	Modulation of <i>Mucor miehei</i> lipase properties via directed immobilization on different hetero-functional epoxy resins. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2003, 21, 201-210.	1.8	88
440	Self-assembly of <i>Pseudomonas fluorescens</i> lipase into bimolecular aggregates dramatically affects functional properties. <i>Biotechnology and Bioengineering</i> , 2003, 82, 232-237.	1.7	119
441	Evaluation of the lipase from <i>Bacillus thermocatenulatus</i> as an enantioselective biocatalyst. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 3679-3687.	1.8	38
442	Regio-selective deprotection of peracetylated sugars via lipase hydrolysis. <i>Tetrahedron</i> , 2003, 59, 5705-5711.	1.0	61
443	Reversible immobilization of a thermophilic β -galactosidase via ionic adsorption on PEI-coated Sepabeads. <i>Enzyme and Microbial Technology</i> , 2003, 32, 369-374.	1.6	80
444	Covalent immobilisation of manganese peroxidases (MnP) from <i>Phanerochaete chrysosporium</i> and <i>Bjerkandera</i> sp. BOS55. <i>Enzyme and Microbial Technology</i> , 2003, 32, 769-775.	1.6	38
445	The immobilization of a thermophilic β -galactosidase on Sepabeads supports decreases product inhibition. <i>Enzyme and Microbial Technology</i> , 2003, 33, 199-205.	1.6	110
446	Design of an immobilized preparation of catalase from <i>Thermus thermophilus</i> to be used in a wide range of conditions. <i>Enzyme and Microbial Technology</i> , 2003, 33, 278-285.	1.6	50
447	Resolution of (Δ^{\pm})-5-substituted-6-(5-chloropyridin-2-yl)-7-oxo-5,6-dihydropyrrolo[3,4b]pyrazine derivatives-precursors of (S)-(+)-Zopiclone, catalyzed by immobilized <i>Candida antarctica</i> B lipase in aqueous media. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 429-438.	1.8	30
448	Hydrolysis of Proteins by Immobilized-Stabilized Alcalase-Glyoxyl Agarose. <i>Biotechnology Progress</i> , 2003, 19, 352-360.	1.3	67
449	Design of New Immobilized-Stabilized Carboxypeptidase A Derivative for Production of Aromatic Free Hydrolysates of Proteins. <i>Biotechnology Progress</i> , 2003, 19, 565-574.	1.3	50
450	Use of Physicochemical Tools to Determine the Choice of Optimal Enzyme: Stabilization of α -Amino Acid Oxidase. <i>Biotechnology Progress</i> , 2003, 19, 784-788.	1.3	63

#	ARTICLE	IF	CITATIONS
451	A Novel Heterofunctional Epoxy-Amino Sepabeads for a New Enzyme Immobilization Protocol: Immobilization-Stabilization of β -Galactosidase from <i>Aspergillus oryzae</i> . <i>Biotechnology Progress</i> , 2003, 19, 1056-1060.	1.3	77
452	Preparation of a Stable Biocatalyst of Bovine Liver Catalase Using Immobilization and Postimmobilization Techniques. <i>Biotechnology Progress</i> , 2003, 19, 763-767.	1.3	87
453	Improving the Industrial Production of 6-APA: Enzymatic Hydrolysis of Penicillin G in the Presence of Organic Solvents. <i>Biotechnology Progress</i> , 2003, 19, 1639-1642.	1.3	36
454	General Trend of Lipase to Self-Assemble Giving Bimolecular Aggregates Greatly Modifies the Enzyme Functionality. <i>Biomacromolecules</i> , 2003, 4, 1-6.	2.6	212
455	Novel Bifunctional Epoxy/Thiol-Reactive Support to Immobilize Thiol Containing Proteins by the Epoxy Chemistry. <i>Biomacromolecules</i> , 2003, 4, 1495-1501.	2.6	84
456	One-Step Purification, Covalent Immobilization, and Additional Stabilization of a Thermophilic Poly-His-Tagged β -Galactosidase from <i>Thermus</i> sp. Strain T2 by using Novel Heterofunctional Chelate-Epoxy Sepabeads. <i>Biomacromolecules</i> , 2003, 4, 107-113.	2.6	78
457	Solid-Phase Handling of Hydrophobins: Immobilized Hydrophobins as a New Tool To Study Lipases. <i>Biomacromolecules</i> , 2003, 4, 204-210.	2.6	96
458	Enzymatic transformations. Immobilized <i>A. niger</i> epoxide hydrolase as a novel biocatalytic tool for repeated-batch hydrolytic kinetic resolution of epoxides Part 54. For part 53 see ref. 21.. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 2739.	1.5	39
459	Overproduction of <i>Thermus</i> sp. Strain T2 β -Galactosidase in <i>Escherichia coli</i> and Preparation by Using Tailor-Made Metal Chelate Supports. <i>Applied and Environmental Microbiology</i> , 2003, 69, 1967-1972.	1.4	38
460	Interfacial adsorption of lipases on very hydrophobic support (octadecyl-Sepabeads): immobilization, hyperactivation and stabilization of the open form of lipases. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2002, 19-20, 279-286.	1.8	384
461	Preparation of artificial hyper-hydrophilic micro-environments (polymeric salts) surrounding enzyme molecules. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2002, 19-20, 295-303.	1.8	62
462	Enzymatic synthesis of amoxicillin: Avoiding limitations of the mechanistic approach for reaction kinetics. <i>Biotechnology and Bioengineering</i> , 2002, 80, 622-631.	1.7	27
463	Modulation of the enantioselectivity of <i>Candida antarctica</i> B lipase via conformational engineering. Kinetic resolution of (\pm)-hydroxy-phenylacetic acid derivatives. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 1337-1345.	1.8	124
464	Enzymatic resolution of (\pm)-trans-4-(4-fluorophenyl)-6-oxo-piperidin-3-ethyl carboxylate, an intermediate in the synthesis of (\pm)-Paroxetine. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 2375-2381.	1.8	41
465	Enzymatic production of (3S,4R)-4-(4-fluorophenyl)-6-oxo-piperidin-3-carboxylic acid using a commercial preparation from <i>Candida antarctica</i> A: the role of a contaminant esterase. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 2653-2659.	1.8	42
466	Influence of the enzyme derivative preparation and substrate structure on the enantioselectivity of penicillin G acylase. <i>Enzyme and Microbial Technology</i> , 2002, 31, 88-93.	1.6	59
467	The role of 6-aminopenicillanic acid on the kinetics of amoxicillin enzymatic synthesis catalyzed by penicillin G acylase immobilized onto glyoxyl-agarose. <i>Enzyme and Microbial Technology</i> , 2002, 31, 464-471.	1.6	19
468	Modulation of the enantioselectivity of lipases via controlled immobilization and medium engineering: hydrolytic resolution of mandelic acid esters. <i>Enzyme and Microbial Technology</i> , 2002, 31, 775-783.	1.6	160

#	ARTICLE	IF	CITATIONS
469	Epoxy Sepabeads: A Novel Epoxy Support for Stabilization of Industrial Enzymes via Very Intense Multipoint Covalent Attachment. <i>Biotechnology Progress</i> , 2002, 18, 629-634.	1.3	259
470	Reversible Immobilization of Invertase on Sepabeads Coated with Polyethyleneimine: Optimization of the Biocatalyst's Stability. <i>Biotechnology Progress</i> , 2002, 18, 1221-1226.	1.3	75
471	Regioselective enzymatic hydrolysis of acetylated pyranoses and pyranosides using immobilised lipases. An easy chemoenzymatic synthesis of 1 \pm - and 1 2 -d-glucopyranose acetates bearing a free secondary C-4 hydroxyl group. <i>Carbohydrate Research</i> , 2002, 337, 1615-1621.	1.1	36
472	Electrostatic and covalent immobilisation of enzymes on ITQ-6 delaminated zeolitic materials. <i>Chemical Communications</i> , 2001, , 419-420.	2.2	54
473	Biotransformations Catalyzed by Multimeric Enzymes: A Stabilization of Tetrameric Ampicillin Acylase Permits the Optimization of Ampicillin Synthesis under Dissociation Conditions. <i>Biomacromolecules</i> , 2001, 2, 95-104.	2.6	76
474	Modulation of lipase properties in macro-aqueous systems by controlled enzyme immobilization: enantioselective hydrolysis of a chiral ester by immobilized <i>Pseudomonas</i> lipase. <i>Enzyme and Microbial Technology</i> , 2001, 28, 389-396.	1.6	94
475	Coimmobilization of L-asparaginase and glutamate dehydrogenase onto highly activated supports. <i>Enzyme and Microbial Technology</i> , 2001, 28, 696-704.	1.6	35
476	Modulation of penicillin acylase properties via immobilization techniques: one-pot chemoenzymatic synthesis of cephamandole from cephalosporin C. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2001, 11, 2429-2432.	1.0	97
477	One-step purification, covalent immobilization, and additional stabilization of poly-His-tagged proteins using novel heterofunctional chelate-epoxy supports. <i>Biotechnology and Bioengineering</i> , 2001, 76, 269-276.	1.7	103
478	Affinity chromatography of polyhistidine tagged enzymes. <i>Journal of Chromatography A</i> , 2001, 915, 97-106.	1.8	75
479	Structural and Functional Stabilization of L-Asparaginase via Multisubunit Immobilization onto Highly Activated Supports. <i>Biotechnology Progress</i> , 2001, 17, 537-542.	1.3	93
480	Preparation of new lipases derivatives with high activity and stability in anhydrous media: adsorption on hydrophobic supports plus hydrophilization with polyethylenimine. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2001, 11, 817-824.	1.8	61
481	Stabilization of a tetrameric enzyme (1 \pm -amino acid ester hydrolase from <i>Acetobacter turbidans</i>) enables a very improved performance of ampicillin synthesis. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2001, 11, 633-638.	1.8	18
482	Biocatalyst engineering exerts a dramatic effect on selectivity of hydrolysis catalyzed by immobilized lipases in aqueous medium. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2001, 11, 649-656.	1.8	49
483	Enantioselective enzymatic hydrolysis of racemic glycidyl esters by using immobilized porcine pancreas lipase with improved catalytic properties. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2001, 11, 757-763.	1.8	20
484	Stabilization of Immobilized Enzymes Against Water-Soluble Organic Cosolvents and Generation of Hyper-Hydrophilic Micro-Environments Surrounding Enzyme Molecules. <i>Biocatalysis and Biotransformation</i> , 2001, 19, 489-503.	1.1	44
485	Reversible enzyme immobilization via a very strong and nondistorting ionic adsorption on support-polyethylenimine composites. , 2000, 68, 98-105.		225
486	Immobilization of functionally unstable catechol-2,3-dioxygenase greatly improves operational stability. <i>Enzyme and Microbial Technology</i> , 2000, 26, 568-573.	1.6	43

#	ARTICLE	IF	CITATIONS
487	Essential role of the concentration of immobilized ligands in affinity chromatography. Biomedical Applications, 2000, 740, 211-218.	1.7	19
488	A Kinetic Study of Synthesis of Amoxicillin Using Penicillin G Acylase Immobilized on Agarose. Applied Biochemistry and Biotechnology, 2000, 84-86, 931-946.	1.4	26
489	Multifunctional Epoxy Supports: A New Tool To Improve the Covalent Immobilization of Proteins. The Promotion of Physical Adsorptions of Proteins on the Supports before Their Covalent Linkage. Biomacromolecules, 2000, 1, 739-745.	2.6	281
490	Facile synthesis of artificial enzyme nano-environments via solid-phase chemistry of immobilized derivatives: Dramatic stabilization of penicillin acylase versus organic solvents. Enzyme and Microbial Technology, 1999, 24, 96-103.	1.6	96
491	Evaluation of different enzymes as catalysts for the production of β -lactam antibiotics following a kinetically controlled strategy. Enzyme and Microbial Technology, 1999, 25, 336-343.	1.6	69
492	Regioselective hydrolysis of peracetylated β -D-glucopyranose catalyzed by immobilized lipases in aqueous medium. A facile preparation of useful intermediates for oligosaccharide synthesis. Bioorganic and Medicinal Chemistry Letters, 1999, 9, 633-636.	1.0	22
493	Affinity chromatography of plasma proteins (guanidinobenzoate): use of mimetic matrices and mimetic soluble ligands to prevent the binding of albumin on target affinity matrices. Biomedical Applications, 1999, 732, 165-172.	1.7	6
494	Selective adsorption of poly-His tagged glutaryl acylase on tailor-made metal chelate supports. Journal of Chromatography A, 1999, 848, 61-70.	1.8	65
495	Stabilization of multimeric enzymes via immobilization and post-immobilization techniques. Journal of Molecular Catalysis B: Enzymatic, 1999, 7, 181-189.	1.8	119
496	Stabilization of enzymes (d-amino acid oxidase) against hydrogen peroxide via immobilization and post-immobilization techniques. Journal of Molecular Catalysis B: Enzymatic, 1999, 7, 173-179.	1.8	58
497	A controlled fed-batch cultivation for the production of new crude lipases from <i>Candida rugosa</i> with improved properties in fine chemistry. Journal of Biotechnology, 1999, 69, 169-182.	1.9	34
498	Immobilization of lipases by selective adsorption on hydrophobic supports. Chemistry and Physics of Lipids, 1998, 93, 185-197.	1.5	441
499	Interfacial affinity chromatography™ of lipases: separation of different fractions by selective adsorption on supports activated with hydrophobic groups. BBA - Proteins and Proteomics, 1998, 1388, 337-348.	2.1	40
500	A single step purification, immobilization, and hyperactivation of lipases via interfacial adsorption on strongly hydrophobic supports. , 1998, 58, 486-493.		469
501	Use of aqueous two-phase systems for in situ extraction of water soluble antibiotics during their synthesis by enzymes immobilized on porous supports. , 1998, 59, 73-79.		79
502	Use of dextrans as long and hydrophilic spacer arms to improve the performance of immobilized proteins acting on macromolecules. , 1998, 60, 518-523.		74
503	A criterion for the selection of monophasic solvents for enzymatic synthesis. Enzyme and Microbial Technology, 1998, 23, 64-69.	1.6	55
504	The presence of methanol exerts a strong and complex modulation of the synthesis of different antibiotics by immobilized penicillin G acylase. Enzyme and Microbial Technology, 1998, 23, 305-310.	1.6	74

#	ARTICLE	IF	CITATIONS
505	Meta-pathway degradation of phenolics by thermophilic Bacilli. <i>Enzyme and Microbial Technology</i> , 1998, 23, 462-468.	1.6	55
506	Modulation of the properties of penicillin G acylase by acyl donor substrates during n-protection of amino compounds. <i>Enzyme and Microbial Technology</i> , 1998, 22, 583-587.	1.6	27
507	The coimmobilization of d-amino acid oxidase and catalase enables the quantitative transformation of d-amino acids (d-phenylalanine) into l±-keto acids (phenylpyruvic acid). <i>Enzyme and Microbial Technology</i> , 1998, 23, 28-33.	1.6	137
508	Stabilization of immobilized enzymes against organic solvents: Complete hydrophylization of enzymes environments by solidphase chemistry with poly-functional macromolecules.. <i>Progress in Biotechnology</i> , 1998, , 405-410.	0.2	3
509	Use of aqueous two-phase systems for in situ extraction of water soluble antibiotics during their synthesis by enzymes immobilized on porous supports. <i>Biotechnology and Bioengineering</i> , 1998, 59, 73-9.	1.7	5
510	One-Pot Chemoenzymatic Synthesis of 3â€-Functionalized Cephalosporines (Cefazolin) by Three Consecutive Biotransformations in Fully Aqueous Medium. <i>Journal of Organic Chemistry</i> , 1997, 62, 9099-9106.	1.7	54
511	Chemoenzymatic one-pot synthesis of cefazolin from cephalosporin C in fully aqueous medium, involving three consecutive biotransformations catalyzed by D-aminoacid oxidase, glutaryl acylase and penicillin G acylase. <i>Tetrahedron Letters</i> , 1997, 38, 4693-4696.	0.7	24
512	Synthesis of antibiotics (cephaloglycin) catalyzed by penicillin G acylase: Evaluation and optimization of different synthetic approaches. <i>Enzyme and Microbial Technology</i> , 1996, 19, 9-14.	1.6	68
513	Modulation of Activity/Stability Properties of Lipase from <i>Pseudomonas Fluorescens</i> by Multipoint Covalent Immobilization on Glyoxyl-Supports. , 1996, , 243-256.		2
514	Dynamic reaction design of enzymic biotransformations in organic media: equilibrium-controlled synthesis of antibiotics by penicillin G acylase. <i>Biotechnology and Applied Biochemistry</i> , 1996, 24, 139-43.	1.4	42
515	Selective oxidation: stabilisation by multipoint attachment of ferredoxin NADP+ reductase, an interesting cofactor recycling enzyme. <i>Journal of Molecular Catalysis A</i> , 1995, 98, 161-169.	4.8	48
516	Reducing enzyme conformational flexibility by multi-point covalent immobilisation. <i>Biotechnology Letters</i> , 1995, 9, 1-6.	0.5	14
517	The use of stabilised penicillin acylase derivatives improves the design of kinetically controlled synthesis. <i>Journal of Molecular Catalysis A</i> , 1995, 101, 91-97.	4.8	35
518	Hyperstabilization of a thermophilic esterase by multipoint covalent attachment. <i>Enzyme and Microbial Technology</i> , 1995, 17, 366-372.	1.6	59
519	Strategies for enzyme stabilization by intramolecular crosslinking with bifunctional reagents. <i>Enzyme and Microbial Technology</i> , 1995, 17, 517-523.	1.6	145
520	Purification and partial characterization of a novel thermophilic carboxylesterase with high mesophilic specific activity. <i>Enzyme and Microbial Technology</i> , 1995, 17, 816-825.	1.6	38
521	Modification of Enzyme Properties by the use of Inhibitors During Their Stabilisation by Multipoint Covalent Attachment. <i>Biocatalysis and Biotransformation</i> , 1995, 12, 67-76.	1.1	33
522	Design of Novel Biocatalysts by "Bioimprinting" during Unfolding-Refolding of Fully Dispersed Covalently Immobilized Enzymes. <i>Annals of the New York Academy of Sciences</i> , 1995, 750, 349-356.	1.8	3

#	ARTICLE	IF	CITATIONS
523	Resolution of Racemic Mixtures through Stereospecific Kinetically Controlled Synthesis Catalyzed by Penicillin G Acylase Derivatives. <i>Annals of the New York Academy of Sciences</i> , 1995, 750, 425-428.	1.8	4
524	Selective Enzymatic Oxidations by using Oxygen as oxidizing agent: Immobilization and Stabilization of FNR, a NADP+ regenerating enzyme. <i>Studies in Surface Science and Catalysis</i> , 1994, 82, 685-692.	1.5	1
525	Industrial design of enzymic processes catalysed by very active immobilized derivatives: utilization of diffusional limitations (gradients of pH) as a profitable tool in enzyme engineering. <i>Biotechnology and Applied Biochemistry</i> , 1994, 20, 357-369.	1.4	28
526	Stabilization of heterodimeric enzyme by multipoint covalent immobilization: Penicillin G acylase from <i>Kluyvera citrophila</i> . <i>Biotechnology and Bioengineering</i> , 1993, 42, 455-464.	1.7	73
527	Resolution of racemic mixtures by synthesis reactions catalyzed by immobilized derivatives of the enzyme penicillin G acylase. <i>Journal of Molecular Catalysis</i> , 1993, 84, 365-371.	1.2	17
528	Syntheses of pharmaceutical oligosaccharides catalyzed by immobilized-stabilized derivatives of different β -galactosidases. <i>Journal of Molecular Catalysis</i> , 1993, 84, 373-379.	1.2	8
529	Preparation of activated supports containing low pK amino groups. A new tool for protein immobilization via the carboxyl coupling method. <i>Enzyme and Microbial Technology</i> , 1993, 15, 546-550.	1.6	240
530	Enzyme Stabilization by Multipoint Covalent Attachment to Activated Pre-Existing Supports. <i>Studies in Organic Chemistry</i> , 1993, 47, 55-62.	0.2	29
531	Additional stabilization of penicillin G acylase-agarose derivatives by controlled chemical modification with formaldehyde. <i>Enzyme and Microbial Technology</i> , 1992, 14, 489-495.	1.6	54
532	Insolubilized Enzyme Derivatives in Organic Solvents: Mechanisms of Inactivation and Strategies for Reactivation. <i>Progress in Biotechnology</i> , 1992, 8, 221-228.	0.2	9
533	Fully Dispersed and Covalently Attached Chymotrypsin Derivatives as Industrial Catalysts in Biphasic Systems.. <i>Annals of the New York Academy of Sciences</i> , 1992, 672, 158-166.	1.8	5
534	Enzyme reaction engineering: Synthesis of antibiotics catalysed by stabilized penicillin G acylase in the presence of organic cosolvents. <i>Enzyme and Microbial Technology</i> , 1991, 13, 898-905.	1.6	84
535	Stabilizing effect of penicillin G sulfoxide, a competitive inhibitor of penicillin G acylase: Its practical applications. <i>Enzyme and Microbial Technology</i> , 1991, 13, 210-214.	1.6	31
536	Equilibrium controlled synthesis of cephalothin in water-cosolvent systems by stabilized penicillin G acylase. <i>Applied Biochemistry and Biotechnology</i> , 1991, 27, 277-290.	1.4	42
537	Immobilization-stabilization of proteases as a tool to improve the industrial design of peptide synthesis. <i>Biomedica Biochimica Acta</i> , 1991, 50, S110-3.	0.1	1
538	Immobilization-stabilization of Penicillin G acylase from <i>Escherichia coli</i> . <i>Applied Biochemistry and Biotechnology</i> , 1990, 26, 181-195.	1.4	141
539	Immobilization-Stabilization of Penicillin G Acylase.. <i>Annals of the New York Academy of Sciences</i> , 1990, 613, 552-558.	1.8	9
540	MODIFICAÇÃO QUÍMICA DE LECITASE ULTRA EM FASE LÍQUIDA: EFEITO DO PROTOCOLO DE IMOBILIZAÇÃO (um espaço) (um espaço)., 0, , .		0

#	ARTICLE	IF	CITATIONS
541	ESTABILIZAÇÃfO DA FORMA ABERTA DE LECITASE ATRAVÃ%S DA MODIFICAÇÃfO FÃSICA COM POLÃMEROS IÃNICOS. , 0, , .		0
542	ESTUDO DAS CONDIÃ•ES DE IMOBILIZAÇÃfO DA LIPASE DE Thermomyces lanuginosus PARA A PRODUÇÃfO DE BODIESEL. , 0, , .		0
543	ESTABILIZAÇÃfO DE LECITASE ULTRA POR IMOBILIZAÇÃfO EM SUPORTE MACROPOROSO. , 0, , .		0