GlÃ³ria FernÃ¡ndez-Lorente

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2756956/publications.pdf

Version: 2024-02-01

140	10,836	47006	30922
papers	citations	47	102
		h-index	g-index

143	143	143	7031
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Improvement of enzyme activity, stability and selectivity via immobilization techniques. Enzyme and Microbial Technology, 2007, 40, 1451-1463.	3.2	2,864
2	Immobilization of lipases by selective adsorption on hydrophobic supports. Chemistry and Physics of Lipids, 1998, 93, 185-197.	3.2	441
3	Interfacial adsorption of lipases on very hydrophobic support (octadecylâ€“Sepabeads): immobilization, hyperactivation and stabilization of the open form of lipases. Journal of Molecular Catalysis B: Enzymatic, 2002, 19-20, 279-286.	1.8	384
4	Glyoxyl agarose: A fully inert and hydrophilic support for immobilization and high stabilization of proteins. Enzyme and Microbial Technology, 2006, 39, 274-280.	3.2	347
5	Multifunctional Epoxy Supports:Â 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.	5.4	281
6	Epoxy Sepabeads: A Novel Epoxy Support for Stabilization of Industrial Enzymes via Very Intense Multipoint Covalent Attachment. Biotechnology Progress, 2002, 18, 629-634.	2.6	259
7	Some special features of glyoxyl supports to immobilize proteins. Enzyme and Microbial Technology, 2005, 37, 456-462.	3.2	257
8	Epoxy-Amino Groups:Â A New Tool for Improved Immobilization of Proteins by the Epoxy Method. Biomacromolecules, 2003, 4, 772-777.	5.4	234
9	General Trend of Lipase to Self-Assemble Giving Bimolecular Aggregates Greatly Modifies the Enzyme Functionality. Biomacromolecules, 2003, 4, 1-6.	5.4	212
10	Activation of Bacterial Thermoalkalophilic Lipases Is Spurred by Dramatic Structural Rearrangements. Journal of Biological Chemistry, 2009, 284, 4365-4372.	3.4	196
11	Interfacially activated lipases against hydrophobic supports: Effect of the support nature on the biocatalytic properties. Process Biochemistry, 2008, 43, 1061-1067.	3.7	191
12	Modulation of the enantioselectivity of lipases via controlled immobilization and medium engineering: hydrolytic resolution of mandelic acid esters. Enzyme and Microbial Technology, 2002, 31, 775-783.	3.2	160
13	Novozym 435 displays very different selectivity compared to lipase from Candida antarctica B adsorbed on other hydrophobic supports. Journal of Molecular Catalysis B: Enzymatic, 2009, 57, 171-176.	1.8	159
14	Modulation of the enantioselectivity of Candida antarctica B lipase via conformational engineering. Kinetic resolution of (Â±)-Î±-hydroxy-phenylacetic acid derivatives. Tetrahedron: Asymmetry, 2002, 13, 1337-1345.	1.8	124
15	Use of immobilized lipases for lipase purification via specific lipaseâ€“lipase interactions. Journal of Chromatography A, 2004, 1038, 267-273.	3.7	121
16	Glutaraldehyde Cross-Linking of Lipases Adsorbed on Aminated Supports in the Presence of Detergents Leads to Improved Performance. Biomacromolecules, 2006, 7, 2610-2615.	5.4	121
17	Self-assembly ofPseudomonas fluorescenslipase into bimolecular aggregates dramatically affects functional properties. Biotechnology and Bioengineering, 2003, 82, 232-237.	3.3	119
18	CLEAs of lipases and poly-ionic polymers: A simple way of preparing stable biocatalysts with improved properties. Enzyme and Microbial Technology, 2006, 39, 750-755.	3.2	114

#	Article	IF	Citations
19	Lipaseâ€“lipase interactions as a new tool to immobilize and modulate the lipase properties. Enzyme and Microbial Technology, 2005, 36, 447-454.	3.2	110
20	Specificity enhancement towards hydrophobic substrates by immobilization of lipases by interfacial activation on hydrophobic supports. Enzyme and Microbial Technology, 2007, 41, 565-569.	3.2	109
21	One-step purification, covalent immobilization, and additional stabilization of poly-His-tagged proteins using novel heterofunctional chelate-epoxy supports. Biotechnology and Bioengineering, 2001, 76, 269-276.	3.3	103
22	Solid-Phase Chemical Amination of a Lipase from Bacillus thermocatenulatus To Improve Its Stabilization via Covalent Immobilization on Highly Activated Glyoxyl-Agarose. Biomacromolecules, 2008, 9, 2553-2561.	5.4	98
23	Solid-Phase Handling of Hydrophobins:Â Immobilized Hydrophobins as a New Tool To Study Lipases. Biomacromolecules, 2003, 4, 204-210.	5.4	96
24	Cross-Linked Aggregates of Multimeric Enzymes:Â A Simple and Efficient Methodology To Stabilize Their Quaternary Structure. Biomacromolecules, 2004, 5, 814-817.	5.4	95
25	Modulation of lipase properties in macro-aqueous systems by controlled enzyme immobilization: enantioselective hydrolysis of a chiral ester by immobilized Pseudomonas lipase. Enzyme and Microbial Technology, 2001, 28, 389-396.	3.2	94
26	Improvement of Enzyme Properties with a Two-Step Immobilizaton Process on Novel Heterofunctional Supports. Biomacromolecules, 2010, 11, 3112-3117.	5.4	93
27	Modulation of Mucor miehei lipase properties via directed immobilization on different hetero-functional epoxy resins. Journal of Molecular Catalysis B: Enzymatic, 2003, 21, 201-210.	1.8	88
28	Preparation of a Stable Biocatalyst of Bovine Liver Catalase Using Immobilization and Postimmobilization Techniques. Biotechnology Progress, 2003, 19, 763-767.	2.6	87
29	Improved catalytic properties of immobilized lipases by the presence of very low concentrations of detergents in the reaction medium. Biotechnology and Bioengineering, 2007, 97, 242-250.	3.3	81
30	Optimization of the Production of Enzymatic Biodiesel from Residual Babassu Oil (Orbignya sp.) via RSM. Catalysts, 2020, 10, 414.	3.5	79
31	A Novel Heterofunctional Epoxy-Amino Sepabeads for a New Enzyme Immobilization Protocol: Immobilization-Stabilization of Î²-Galactosidase from Aspergillus oryzae. Biotechnology Progress, 2003, 19, 1056-1060.	2.6	77
32	Biotransformations Catalyzed by Multimeric Enzymes:Â Stabilization of Tetrameric Ampicillin Acylase Permits the Optimization of Ampicillin Synthesis under Dissociation Conditions. Biomacromolecules, 2001, 2, 95-104.	5.4	76
33	Affinity chromatography of polyhistidine tagged enzymes. Journal of Chromatography A, 2001, 915, 97-106.	3.7	75
34	Improvement of the functional properties of a thermostable lipase from alcaligenes sp. via strong adsorption on hydrophobic supports. Enzyme and Microbial Technology, 2006, 38, 975-980.	3.2	75
35	A Novel Halophilic Lipase, LipBL, Showing High Efficiency in the Production of Eicosapentaenoic Acid (EPA). PLoS ONE, 2011, 6, e23325.	2.5	75
36	Preparation of a robust biocatalyst of d-amino acid oxidase on sepabeads supports using the glutaraldehyde crosslinking method. Enzyme and Microbial Technology, 2005, 37, 750-756.	3.2	69

#	Article	IF	Citations
37	Purification, Immobilization, and Stabilization of a Lipase from Bacillus thermocatenulatus by Interfacial Adsorption on Hydrophobic Supports. Biotechnology Progress, 2008, 20, 630-635.	2.6	68
38	Modulation of Immobilized Lipase Enantioselectivityvia Chemical Amination. Advanced Synthesis and Catalysis, 2007, 349, 1119-1127.	4.3	66
39	Effect of lipaseâ€“lipase interactions in the activity, stability and specificity of a lipase from Alcaligenes sp.. Enzyme and Microbial Technology, 2006, 39, 259-264.	3.2	64
40	Use of Physicochemical Tools to Determine the Choice of Optimal Enzyme: Stabilization of -Amino Acid Oxidase. Biotechnology Progress, 2003, 19, 784-788.	2.6	63
41	Preparation of new lipases derivatives with high activityâ€“stability in anhydrous media: adsorption on hydrophobic supports plus hydrophilization with polyethylenimine. Journal of Molecular Catalysis B: Enzymatic, 2001, 11, 817-824.	1.8	61
42	Regio-selective deprotection of peracetylated sugars via lipase hydrolysis. Tetrahedron, 2003, 59, 5705-5711.	1.9	61
43	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
44	Influence of different immobilization techniques for Candida cylindracea lipase on its stability and fish oil hydrolysis. Journal of Molecular Catalysis B: Enzymatic, 2012, 78, 111-118.	1.8	56
45	Glutaraldehyde modification of lipases adsorbed on aminated supports: A simple way to improve their behaviour as enantioselective biocatalyst. Enzyme and Microbial Technology, 2007, 40, 704-707.	3.2	55
46	Enhancement of Novozym-435 catalytic properties by physical or chemical modification. Process Biochemistry, 2009, 44, 226-231.	3.7	51
47	Biocatalyst engineering exerts a dramatic effect on selectivity of hydrolysis catalyzed by immobilized lipases in aqueous medium. Journal of Molecular Catalysis B: Enzymatic, 2001, 11, 649-656.	1.8	49
48	Purification of different lipases fromAspergillus niger by using a highly selective adsorption on hydrophobic supports. Biotechnology and Bioengineering, 2005, 92, 773-779.	3.3	48
49	Crossâ€Linking of Lipases Adsorbed on Hydrophobic Supports: Highly Selective Hydrolysis of Fish Oil Catalyzed by RML. JAOCS, Journal of the American Oil Chemists' Society, 2011, 88, 801-807.	1.9	46
50	Enzymatic resolution of (Â±)-glycidyl butyrate in aqueous media. Strong modulation of the properties of the lipase from Rhizopus oryzae via immobilization techniques. Tetrahedron: Asymmetry, 2004, 15, 1157-1161.	1.8	43
51	LecitaseÂ® ultra as regioselective biocatalyst in the hydrolysis of fully protected carbohydrates. Journal of Molecular Catalysis B: Enzymatic, 2008, 51, 110-117.	1.8	43
52	Modulation of the activity and selectivity of the immobilized lipases by surfactants and solvents. Biochemical Engineering Journal, 2015, 93, 274-280.	3.6	43
53	Enzymatic production of (3S,4R)-(â^')-4-(4â€²-fluorophenyl)-6-oxo-piperidin-3-carboxylic acid using a commercial preparation from Candida antarctica A: the role of a contaminant esterase. Tetrahedron: Asymmetry, 2002, 13, 2653-2659.	1.8	42
54	Effect of the immobilization protocol in the activity, stability, and enantioslectivity of LecitaseÂ® Ultra. Journal of Molecular Catalysis B: Enzymatic, 2007, 47, 99-104.	1.8	42

#	Article	IF	Citations
55	Enzymatic resolution of (Â±)-trans-4-(4â€²-fluorophenyl)-6-oxo-piperidin-3-ethyl carboxylate, an intermediate in the synthesis of (â^')-Paroxetine. Tetrahedron: Asymmetry, 2002, 13, 2375-2381.	1.8	41
56	Immobilization of Yarrowia lipolytica Lipaseâ€"a Comparison of Stability of Physical Adsorption and Covalent Attachment Techniques. Applied Biochemistry and Biotechnology, 2008, 146, 49-56.	2.9	41
57	Enhanced activity of an immobilized lipase promoted by site-directed chemical modification with polymers. Process Biochemistry, 2010, 45, 534-541.	3.7	41
58	Modulation of the regioselectivity of Thermomyces lanuginosus lipase via biocatalyst engineering for the Ethanolysis of oil in fully anhydrous medium. BMC Biotechnology, 2017, 17, 88.	3.3	41
59	Production of FAME and FAEE via Alcoholysis of Sunflower Oil by Eversa Lipases Immobilized on Hydrophobic Supports. Applied Biochemistry and Biotechnology, 2018, 185, 705-716.	2.9	41
60	â€˜Interfacial affinity chromatographyâ€™ 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
61	Release of Omegaâ€3 Fatty Acids by the Hydrolysis of Fish Oil Catalyzed by Lipases Immobilized on Hydrophobic Supports. JAOCS, Journal of the American Oil Chemists' Society, 2011, 88, 1173-1178.	1.9	39
62	Evaluation of the lipase from Bacillus thermocatenulatus as an enantioselective biocatalyst. Tetrahedron: Asymmetry, 2003, 14, 3679-3687.	1.8	38
63	Regioselective enzymatic hydrolysis of acetylated pyranoses and pyranosides using immobilised lipases. An easy chemoenzymatic synthesis of Î±- and Î²-d-glucopyranose acetates bearing a free secondary C-4 hydroxyl group. Carbohydrate Research, 2002, 337, 1615-1621.	2.3	36
64	Improving the Industrial Production of 6-APA: Enzymatic Hydrolysis of Penicillin G in the Presence of Organic Solvents. Biotechnology Progress, 2003, 19, 1639-1642.	2.6	36
65	Purification and identification of different lipases contained in PPL commercial extracts: A minor contaminant is the main responsible of most esterasic activity. Enzyme and Microbial Technology, 2006, 39, 817-823.	3.2	36
66	Stabilization of Enzymes by Multipoint Covalent Immobilization on Supports Activated with Glyoxyl Groups. Methods in Molecular Biology, 2013, 1051, 59-71.	0.9	36
67	Immobilizationâ€"stabilization of glucoamylase: Chemical modification of the enzyme surface followed by covalent attachment on highly activated glyoxyl-agarose supports. Process Biochemistry, 2011, 46, 409-412.	3.7	35
68	Biocatalyst engineering of Thermomyces Lanuginosus lipase adsorbed on hydrophobic supports: Modulation of enzyme properties for ethanolysis of oil in solvent-free systems. Journal of Biotechnology, 2019, 289, 126-134.	3.8	35
69	The Science of Enzyme Immobilization. Methods in Molecular Biology, 2020, 2100, 1-26.	0.9	35
70	Selective Ethanolysis of Fish Oil Catalyzed by Immobilized Lipases. JAOCS, Journal of the American Oil Chemists' Society, 2014, 91, 63-69.	1.9	34
71	Hydrolysis of Tannic Acid Catalyzed by Immobilizedâ^'Stabilized Derivatives of Tannase from Lactobacillus plantarum. Journal of Agricultural and Food Chemistry, 2010, 58, 6403-6409.	5.2	33
72	Modulation of the Selectivity of Immobilized Lipases by Chemical and Physical Modifications: Release of Omega-3 Fatty Acids from Fish Oil. JAOCS, Journal of the American Oil Chemists' Society, 2012, 89, 97-102.	1.9	32

#	Article	IF	Citations
73	Stabilization of Immobilized Lipases by Intense Intramolecular Cross-Linking of Their Surfaces by Using Aldehyde-Dextran Polymers. International Journal of Molecular Sciences, 2018, 19, 553.	4.1	32
74	Synthesis of ascorbyl oleate by transesterification of olive oil with ascorbic acid in polar organic media catalyzed by immobilized lipases. Chemistry and Physics of Lipids, 2013, 174, 48-54.	3.2	31
75	Enzymatic synthesis of triacylglycerols of docosahexaenoic acid: Transesterification of its ethyl esters with glycerol. Food Chemistry, 2015, 187, 225-229.	8.2	31
76	Resolution of (Â±)-5-substituted-6-(5-chloropyridin-2-yl)-7-oxo-5,6-dihydropyrrolo[3,4b]pyrazine derivatives-precursors of (S)-(+)-Zopiclone, catalyzed by immobilized Candida antarctica B lipase in aqueous media. Tetrahedron: Asymmetry, 2003, 14, 429-438.	1.8	30
77	Partial and enantioselective hydrolysis of diethyl phenylmalonate by immobilized preparations of lipase from Thermomyces lanuginose. Enzyme and Microbial Technology, 2007, 40, 1280-1285.	3.2	30
78	Hydrolysis of Fish Oil by Lipases Immobilized Inside Porous Supports. JAOCS, Journal of the American Oil Chemists' Society, 2011, 88, 819-826.	1.9	30
79	Immobilization and stabilization of a bimolecular aggregate of the lipase from Pseudomonas fluorescens by multipoint covalent attachment. Process Biochemistry, 2013, 48, 118-123.	3.7	29
80	Production of xylo-oligosaccharides by immobilized-stabilized derivatives of endo-xylanase from Streptomyces halstedii. Process Biochemistry, 2013, 48, 478-483.	3.7	29
81	Immobilization of Proteins on Glyoxyl Activated Supports: Dramatic Stabilization of Enzymes by Multipoint Covalent Attachment on Pre-Existing Supports. Current Organic Chemistry, 2015, 19, 1-1.	1.6	28
82	Separation and Immobilization of Lipase from Penicillium simplicissimum by Selective Adsorption on Hydrophobic Supports. Applied Biochemistry and Biotechnology, 2009, 156, 133-145.	2.9	26
83	Synthesis of propyl gallate by transesterification of tannic acid in aqueous media catalysed by immobilised derivatives of tannase from Lactobacillus plantarum. Food Chemistry, 2011, 128, 214-217.	8.2	26
84	Co-localization of oxidase and catalase inside a porous support to improve the elimination of hydrogen peroxide: Oxidation of biogenic amines by amino oxidase from Pisum sativum. Enzyme and Microbial Technology, 2018, 115, 73-80.	3.2	26
85	Co-immobilization of lipases and Î²- d -galactosidase onto magnetic nanoparticle supports: Biochemical characterization. Molecular Catalysis, 2018, 453, 12-21.	2.0	25
86	Stabilization of multimeric sucrose synthase from Acidithiobacillus caldus via immobilization and post-immobilization techniques for synthesis of UDP-glucose. Applied Microbiology and Biotechnology, 2018, 102, 773-787.	3.6	25
87	Kinetically controlled synthesis of monoglyceryl esters from chiral and prochiral acids methyl esters catalyzed by immobilized Rhizomucor miehei lipase. Bioresource Technology, 2011, 102, 507-512.	9.6	23
88	Immobilized lipase from Hypocrea pseudokoningii on hydrophobic and ionic supports: Determination of thermal and organic solvent stabilities for applications in the oleochemical industry. Process Biochemistry, 2015, 50, 561-570.	3.7	23
89	Stabilization of the lipase of Hypocrea pseudokoningii by multipoint covalent immobilization after chemical modification and application of the biocatalyst in oil hydrolysis. Journal of Molecular Catalysis B: Enzymatic, 2015, 121, 82-89.	1.8	23
90	Regioselective hydrolysis of peracetylated Î±-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.	2.2	22

#	Article	IF	Citations
91	Changes on enantioselectivity of a genetically modified thermophilic lipase by site-directed oriented immobilization. Journal of Molecular Catalysis B: Enzymatic, 2013, 87, 121-127.	1.8	22
92	Immobilization of Lipase from Penicillium sp. Section Gracilenta (CBMAI 1583) on Different Hydrophobic Supports: Modulation of Functional Properties. Molecules, 2017, 22, 339.	3.8	22
93	Hydrolysis of fish oil by hyperactivated rhizomucor miehei lipase immobilized by multipoint anion exchange. Biotechnology Progress, 2011, 27, 961-968.	2.6	21
94	Medium engineering on modified Geobacillus thermocatenulatus lipase to prepare highly active catalysts. Journal of Molecular Catalysis B: Enzymatic, 2011, 70, 144-148.	1.8	19
95	Immobilization Effects on the Catalytic Properties of Two Fusarium Verticillioides Lipases: Stability, Hydrolysis, Transesterification and Enantioselectivity Improvement. Catalysts, 2018, 8, 84.	3.5	19
96	Thermotolerant lipase from Penicillium sp. section Gracilenta CBMAI 1583: Effect of carbon sources on enzyme production, biochemical properties of crude and purified enzyme and substrate specificity. Biocatalysis and Agricultural Biotechnology, 2019, 17, 15-24.	3.1	19
97	Asymmetric hydrolysis of dimethyl 3-phenylglutarate catalyzed by Lecitase UltraÂ®. Enzyme and Microbial Technology, 2008, 43, 531-536.	3.2	18
98	Protein hydrolysis by immobilized and stabilized trypsin. Biotechnology Progress, 2011, 27, 677-683.	2.6	18
99	Beauveria bassiana Lipase A expressed in Komagataella (Pichia) pastoris with potential for biodiesel catalysis. Frontiers in Microbiology, 2015, 6, 1083.	3.5	17
100	Critical Role of Different Immobilized Biocatalysts of a Given Lipase in the Selective Ethanolysis of Sardine Oil. Journal of Agricultural and Food Chemistry, 2017, 65, 117-122.	5.2	17
101	High stabilization of immobilized Rhizomucor miehei lipase by additional coating with hydrophilic crosslinked polymers: Poly-allylamine/Aldehydeâ€“dextran. Process Biochemistry, 2020, 92, 156-163.	3.7	17
102	A chemo-biocatalytic approach in the synthesis of Î²-O-naphtylmethyl-N-peracetylated lactosamine. Journal of Molecular Catalysis B: Enzymatic, 2008, 52-53, 106-112.	1.8	16
103	Immobilisation and stabilisation of Î²-galactosidase from Kluyveromyces lactis using a glyoxyl support. International Dairy Journal, 2013, 28, 76-82.	3.0	16
104	Sequential hydrolysis of commercial casein hydrolysate by immobilized trypsin and thermolysin to produce bioactive phosphopeptides. Biocatalysis and Biotransformation, 2018, 36, 159-171.	2.0	15
105	Fine Modulation of the Catalytic Properties of Rhizomucor miehei Lipase Driven by Different Immobilization Strategies for the Selective Hydrolysis of Fish Oil. Molecules, 2020, 25, 545.	3.8	15
106	Resolution of paroxetine precursor using different lipases. Enzyme and Microbial Technology, 2004, 34, 264-269.	3.2	14
107	Reactivation of a thermostable lipase by solid phase unfolding/refolding. Enzyme and Microbial Technology, 2011, 49, 388-394.	3.2	14
108	Dramatic hyperactivation of lipase of Thermomyces lanuginosa by a cationic surfactant: Fixation of the hyperactivated form by adsorption on sulfopropyl-sepharose. Journal of Molecular Catalysis B: Enzymatic, 2015, 122, 199-203.	1.8	14

#	Article	IF	Citations
109	Production of omega-3 polyunsaturated fatty acids through hydrolysis of fish oil by Candida rugosa lipase immobilized and stabilized on different supports. Biocatalysis and Biotransformation, 2017, 35, 63-73.	2.0	14
110	Immobilization and stabilization of commercial Î²-1,4-endoxylanase Depolâ„¢ 333MDP by multipoint covalent attachment for xylan hydrolysis: Production of prebiotics (xylo-oligosaccharides). Biocatalysis and Biotransformation, 2018, 36, 141-150.	2.0	14
111	Immobilization of Lipases by Adsorption on Hydrophobic Supports: Modulation of Enzyme Properties in Biotransformations in Anhydrous Media. Methods in Molecular Biology, 2020, 2100, 143-158.	0.9	14
112	A mild intensity of the enzyme-support multi-point attachment promotes the optimal stabilization of mesophilic multimeric enzymes: Amine oxidase from Pisum sativum. Journal of Biotechnology, 2020, 318, 39-44.	3.8	13
113	Enantioselective Synthesis of Phenylacetamides in the Presence of High Organic Cosolvent Concentrations Catalyzed by Stabilized Penicillin G Acylase. Effect of the Acyl Donor. Biotechnology Progress, 2004, 20, 984-988.	2.6	12
114	Solid-phase amination of Geotrichum candidum lipase: ionic immobilization, stabilization and fish oil hydrolysis for the production of Omega-3 polyunsaturated fatty acids. European Food Research and Technology, 2017, 243, 1375-1384.	3.3	12
115	Thermodynamically Controlled Synthesis of Amide Bonds Catalyzed by Highly Organic Solvent-Resistant Penicillin Acylase Derivatives. Biotechnology Progress, 2008, 20, 117-121.	2.6	11
116	Multi-Point Covalent Immobilization of Enzymes on Glyoxyl Agarose with Minimal Physico-Chemical Modification: Stabilization of Industrial Enzymes. Methods in Molecular Biology, 2020, 2100, 93-107.	0.9	11
117	Î²-xylosidase from Selenomonas ruminantium: Immobilization, stabilization, and application for xylooligosaccharide hydrolysis. Biocatalysis and Biotransformation, 2016, 34, 161-171.	2.0	10
118	Influence of different immobilization techniques to improve the enantioselectivity of lipase from Geotrichum candidum applied on the resolution of mandelic acid. Molecular Catalysis, 2018, 458, 89-96.	2.0	10
119	Stabilization of Multimeric Enzymes via Immobilization and Further Cross-Linking with Aldehyde-Dextran. Methods in Molecular Biology, 2020, 2100, 175-187.	0.9	10
120	Oriented Covalent Immobilization of Enzymes on Heterofunctional-Glyoxyl Supports. Methods in Molecular Biology, 2013, 1051, 73-88.	0.9	10
121	Asymmetric hydrolysis of dimethyl phenylmalonate by immobilized penicillin G acylase from E. coli. Enzyme and Microbial Technology, 2007, 40, 997-1000.	3.2	9
122	Enzymatic transesterification in a solvent-free system: synthesis of sn-2 docosahexaenoyl monoacylglycerol. Biocatalysis and Biotransformation, 2018, 36, 265-270.	2.0	9
123	Immobilization of Eversa Lipases on Hydrophobic Supports for Ethanolysis of Sunflower Oil Solvent-Free. Applied Biochemistry and Biotechnology, 2022, 194, 2151-2167.	2.9	9
124	Co-Immobilization and Co-Localization of Multi-Enzyme Systems on Porous Materials. Methods in Molecular Biology, 2020, 2100, 297-308.	0.9	8
125	Purification, Immobilization, Hyperactivation, and Stabilization of Lipases by Selective Adsorption on Hydrophobic Supports. Methods in Biotechnology, 2006, , 143-152.	0.2	7
126	Crystallization and preliminary X-ray diffraction studies of the BTL2 lipase from the extremophilic microorganismBacillus thermocatenulatus. Acta Crystallographica Section F: Structural Biology Communications, 2008, 64, 1043-1045.	0.7	7

#	Article	IF	Citations
127	Co-Immobilization and Co-Localization of Oxidases and Catalases: Catalase from Bordetella Pertussis Fused with the Zbasic Domain. Catalysts, 2020, 10, 810.	3.5	7
128	Stabilization of Glycosylated Î²-Glucosidase by Intramolecular Crosslinking Between Oxidized Glycosidic Chains and Lysine Residues. Applied Biochemistry and Biotechnology, 2020, 192, 325-337.	2.9	7
129	Different Covalent Immobilizations Modulate Lipase Activities of Hypocrea pseudokoningii. Molecules, 2017, 22, 1448.	3.8	6
130	Ethyl esters production catalyzed by immobilized lipases is influenced by n-hexane and ter-amyl alcohol as organic solvents. Bioprocess and Biosystems Engineering, 2020, 43, 2107-2115.	3.4	6
131	Capture of enzyme aggregates by covalent immobilization on solid supports. Relevant stabilization of enzymes by aggregation. Journal of Biotechnology, 2021, 325, 138-144.	3.8	6
132	Stabilization of Multimeric Enzymes Via Immobilization and Further Cross-Linking With Aldehyde-Dextran. Methods in Biotechnology, 2006, , 129-141.	0.2	5
133	One-Point Covalent Immobilization of Enzymes on Glyoxyl Agarose with Minimal Physico-Chemical Modification: Immobilized â€œNative Enzymesâ€• Methods in Molecular Biology, 2020, 2100, 83-92.	0.9	3
134	Immobilization of Yarrowia lipolytica Lipaseâ€”A Comparison of Stability of Physical Adsorption and Covalent Attachment Techniques. , 2007, , 169-176.		3
135	Strategies for the Immobilization of EversaÂ® Transform 2.0 Lipase and Application for Phospholipid Synthesis. Catalysts, 2021, 11, 1236.	3.5	3
136	Synthesis of sn-2 docosahexaenoyl monoacylglycerol by mild enzymatic transesterification of docosahexaenoic acid ethyl ester and glycerol in a solvent-free system. Cogent Food and Agriculture, 2016, 2, .	1.4	2
137	Stabilization of Lecitase UltraÂ® by Immobilization and Fixation of Bimolecular Aggregates. Release of Omega-3 Fatty Acids by Enzymatic Hydrolysis of Krill Oil. Catalysts, 2021, 11, 1067.	3.5	1
138	Immobilization and Stabilization of Proteins by Multipoint Covalent Attachment on Novel Amino-Epoxy-SepabeadsÂ®. Methods in Biotechnology, 2006, , 153-162.	0.2	1
139	Preparation of an Industrial Biocatalyst of Penicillin G Acylase on Sepabeads. , 2005, , 273-288.		0
140	Conformational Engineering of Lipases via Directed Immobilisation: Improving the Resolution of Chiral Drugs. Medicinal Chemistry Reviews Online, 2005, 2, 369-378.	0.1	0