

# Jose M Guisan

## List of Publications by Year in descending order

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457  
papers

24,239  
citations

9786

73  
h-index

13379

130  
g-index

463  
all docs

463  
docs citations

463  
times ranked

11806  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling and experimental validation of covalent immobilization of <i>Trametes maxima</i> laccase on glyoxyl and MANA-Sepharose CL 4B supports, for the use in bioconversion of residual colorants. <i>Biotechnology and Applied Biochemistry</i> , 2022, 69, 479-491.	3.1	4
2	Oriented immobilization of antibodies onto sensing platforms - A critical review. <i>Analytica Chimica Acta</i> , 2022, 1189, 338907.	5.4	88
3	Enzyme immobilization strategies for the design of robust and efficient biocatalysts. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2022, 35, 100593.	5.9	30
4	Omega-3 production by fish oil hydrolysis using a lipase from <i>Burkholderia gladioli</i> BRM58833 immobilized and stabilized by post-immobilization techniques. <i>Biochemistry and Biophysics Reports</i> , 2022, 29, 101193.	1.3	1
5	Turn-on Fluorescent Biosensors for Imaging Hypoxia-like Conditions in Living Cells. <i>Journal of the American Chemical Society</i> , 2022, 144, 8185-8193.	13.7	26
6	Dextran-coated nanoparticles as immunosensing platforms: Consideration of polyaldehyde density, nanoparticle size and functionality. <i>Talanta</i> , 2022, 247, 123549.	5.5	13
7	Capture of enzyme aggregates by covalent immobilization on solid supports. Relevant stabilization of enzymes by aggregation. <i>Journal of Biotechnology</i> , 2021, 325, 138-144.	3.8	6
8	Optimization of theoretical maximal quantity of cells to immobilize on solid supports in the rational design of immobilized derivatives strategy. <i>World Journal of Microbiology and Biotechnology</i> , 2021, 37, 9.	3.6	1
9	Sugarcane Bagasse Saccharification by Enzymatic Hydrolysis Using Endocellulase and $\beta$ -glucosidase Immobilized on Different Supports. <i>Catalysts</i> , 2021, 11, 340.	3.5	20
10	Oriented immobilization of antibodies through different surface regions containing amino groups: Selective immobilization through the bottom of the Fc region. <i>International Journal of Biological Macromolecules</i> , 2021, 177, 19-28.	7.5	23
11	Modeling and Experimental Validation of Algorithms for Maximum Quantity of Protein to be Immobilized on Solid Supports by Electrostatic Adsorption in the Strategy of Rational Design of Immobilized Derivatives. <i>Protein Journal</i> , 2021, 40, 576-588.	1.6	3
12	Stabilization of Lecitase Ultra <sup>®</sup> by Immobilization and Fixation of Bimolecular Aggregates. Release of Omega-3 Fatty Acids by Enzymatic Hydrolysis of Krill Oil. <i>Catalysts</i> , 2021, 11, 1067.	3.5	1
13	Self-sufficient asymmetric reduction of $\beta$ -ketoesters catalysed by a novel and robust thermophilic alcohol dehydrogenase co-immobilised with NADH. <i>Catalysis Science and Technology</i> , 2021, 11, 3217-3230.	4.1	18
14	Functionalization of Porous Cellulose with Glyoxyl Groups as a Carrier for Enzyme Immobilization and Stabilization. <i>Biomacromolecules</i> , 2021, 22, 927-937.	5.4	16
15	Production of new nanobiocatalysts via immobilization of lipase B from <i>C. antarctica</i> on polyurethane nanosupports for application on food and pharmaceutical industries. <i>International Journal of Biological Macromolecules</i> , 2020, 165, 2957-2963.	7.5	23
16	Co-Immobilization and Co-Localization of Oxidases and Catalases: Catalase from <i>Bordetella Pertussis</i> Fused with the Zbasic Domain. <i>Catalysts</i> , 2020, 10, 810.	3.5	7
17	Stabilization of Glycosylated $\beta$ -Glucosidase by Intramolecular Crosslinking Between Oxidized Glycosidic Chains and Lysine Residues. <i>Applied Biochemistry and Biotechnology</i> , 2020, 192, 325-337.	2.9	7
18	High Stabilization of Enzymes Immobilized on Rigid Hydrophobic Glyoxyl-Supports: Generation of Hydrophilic Environments on Support Surfaces. <i>Catalysts</i> , 2020, 10, 676.	3.5	13

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19	Ethyl esters production catalyzed by immobilized lipases is influenced by n-hexane and ter-amyl alcohol as organic solvents. <i>Bioprocess and Biosystems Engineering</i> , 2020, 43, 2107-2115.	3.4	6
20	High stabilization of immobilized <i>Rhizomucor miehei</i> lipase by additional coating with hydrophilic crosslinked polymers: Poly-allylamine/Aldehyde-dextran. <i>Process Biochemistry</i> , 2020, 92, 156-163.	3.7	17
21	Fine Modulation of the Catalytic Properties of <i>Rhizomucor miehei</i> Lipase Driven by Different Immobilization Strategies for the Selective Hydrolysis of Fish Oil. <i>Molecules</i> , 2020, 25, 545.	3.8	15
22	Coimmobilization and colocalization of a glycosyltransferase and a sucrose synthase greatly improves the recycling of UDP-glucose: Glycosylation of resveratrol 3-O- $\beta$ -D-glucoside. <i>International Journal of Biological Macromolecules</i> , 2020, 157, 510-521.	7.5	24
23	Optimization of the Production of Enzymatic Biodiesel from Residual Babassu Oil ( <i>Orbignya</i> sp.) via RSM. <i>Catalysts</i> , 2020, 10, 414.	3.5	79
24	The Science of Enzyme Immobilization. <i>Methods in Molecular Biology</i> , 2020, 2100, 1-26.	0.9	35
25	Stabilization of Multimeric Enzymes via Immobilization and Further Cross-Linking with Aldehyde-Dextran. <i>Methods in Molecular Biology</i> , 2020, 2100, 175-187.	0.9	10
26	Co-Immobilization and Co-Localization of Multi-Enzyme Systems on Porous Materials. <i>Methods in Molecular Biology</i> , 2020, 2100, 297-308.	0.9	8
27	One-Point Covalent Immobilization of Enzymes on Glyoxyl Agarose with Minimal Physico-Chemical Modification: Immobilized "Native Enzymes". <i>Methods in Molecular Biology</i> , 2020, 2100, 83-92.	0.9	3
28	Multi-Point Covalent Immobilization of Enzymes on Glyoxyl Agarose with Minimal Physico-Chemical Modification: Stabilization of Industrial Enzymes. <i>Methods in Molecular Biology</i> , 2020, 2100, 93-107.	0.9	11
29	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.	0.9	12
30	Immobilization of Enzymes on Supports Activated with Glutaraldehyde: A Very Simple Immobilization Protocol. <i>Methods in Molecular Biology</i> , 2020, 2100, 119-127.	0.9	7
31	Immobilization of Lipases by Adsorption on Hydrophobic Supports: Modulation of Enzyme Properties in Biotransformations in Anhydrous Media. <i>Methods in Molecular Biology</i> , 2020, 2100, 143-158.	0.9	14
32	A mild intensity of the enzyme-support multi-point attachment promotes the optimal stabilization of mesophilic multimeric enzymes: Amine oxidase from <i>Pisum sativum</i> . <i>Journal of Biotechnology</i> , 2020, 318, 39-44.	3.8	13
33	Intraparticle pH Sensing Within Immobilized Enzymes: Immobilized Yellow Fluorescent Protein as Optical Sensor for Spatiotemporal Mapping of pH Inside Porous Particles. <i>Methods in Molecular Biology</i> , 2020, 2100, 319-333.	0.9	1
34	Very Strong but Reversible Immobilization of Enzymes on Supports Coated with Ionic Polymers. <i>Methods in Molecular Biology</i> , 2020, 2100, 129-141.	0.9	2
35	Immobilization of Enzymes on Hetero-Functional Supports: Physical Adsorption Plus Additional Covalent Immobilization. <i>Methods in Molecular Biology</i> , 2020, 2100, 159-174.	0.9	5
36	Synthesis of omega-3 ethyl esters from chia oil catalyzed by polyethylene glycol-modified lipases with improved stability. <i>Food Chemistry</i> , 2019, 271, 433-439.	8.2	16

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37	Functional Characterization and Structural Analysis of NADH Oxidase Mutants from <i>Thermus thermophilus</i> HB27: Role of Residues 166, 174, and 194 in the Catalytic Properties and Thermostability. <i>Microorganisms</i> , 2019, 7, 515.	3.6	2
38	Disulfide Engineered Lipase to Enhance the Catalytic Activity: A Structure-Based Approach on BTL2. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5245.	4.1	13
39	Screening and Immobilization of Interfacial Esterases from Marine Invertebrates as Promising Biocatalyst Derivatives. <i>Applied Biochemistry and Biotechnology</i> , 2019, 189, 903-918.	2.9	2
40	Biocatalyst engineering of <i>Thermomyces Lanuginosus</i> lipase adsorbed on hydrophobic supports: Modulation of enzyme properties for ethanolysis of oil in solvent-free systems. <i>Journal of Biotechnology</i> , 2019, 289, 126-134.	3.8	35
41	Thermotolerant lipase from <i>Penicillium</i> sp. section <i>Gracilentia</i> CBMAI 1583: Effect of carbon sources on enzyme production, biochemical properties of crude and purified enzyme and substrate specificity. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 17, 15-24.	3.1	19
42	One-Step Synthesis of $\alpha$ -Keto Acids from Racemic Amino Acids by A Versatile Immobilized Multienzyme Cell-free System. <i>ChemCatChem</i> , 2018, 10, 3002-3011.	3.7	21
43	Development of a high efficient biocatalyst by oriented covalent immobilization of a novel recombinant 2'-N <sup>6</sup> -deoxyribosyltransferase from <i>Lactobacillus animalis</i> . <i>Journal of Biotechnology</i> , 2018, 270, 39-43.	3.8	12
44	Biobased, Internally pH-Sensitive Materials: Immobilized Yellow Fluorescent Protein as an Optical Sensor for Spatiotemporal Mapping of pH Inside Porous Matrices. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 6858-6868.	8.0	18
45	Co-immobilization of lipases and $\beta$ -D-galactosidase onto magnetic nanoparticle supports: Biochemical characterization. <i>Molecular Catalysis</i> , 2018, 453, 12-21.	2.0	25
46	Preparation of a robust immobilized biocatalyst of $\beta$ -1,4-endoxylanase by surface coating with polymers for production of xylooligosaccharides from different xylan sources. <i>New Biotechnology</i> , 2018, 44, 50-58.	4.4	18
47	Sequential hydrolysis of commercial casein hydrolysate by immobilized trypsin and thermolysin to produce bioactive phosphopeptides. <i>Biocatalysis and Biotransformation</i> , 2018, 36, 159-171.	2.0	15
48	Immobilization and stabilization of commercial $\beta$ -1,4-endoxylanase Depol <sup>®</sup> 333MDP by multipoint covalent attachment for xylan hydrolysis: Production of prebiotics (xylo-oligosaccharides). <i>Biocatalysis and Biotransformation</i> , 2018, 36, 141-150.	2.0	14
49	Enzymatic transesterification in a solvent-free system: synthesis of sn-2 docosahexaenoyl monoacylglycerol. <i>Biocatalysis and Biotransformation</i> , 2018, 36, 265-270.	2.0	9
50	Highly improved enzymatic peptide synthesis by using biphasic reactors. <i>Biocatalysis and Biotransformation</i> , 2018, 36, 271-278.	2.0	3
51	Multiplex environmental pollutant analysis using an array biosensor coated with chimeric hapten-dextran-lipase constructs. <i>Sensors and Actuators B: Chemical</i> , 2018, 257, 256-262.	7.8	14
52	Covalent immobilization-stabilization of $\beta$ -1,4-endoxylanases from <i>Trichoderma reesei</i> : Production of xylooligosaccharides. <i>Process Biochemistry</i> , 2018, 64, 170-176.	3.7	24
53	Stabilization of multimeric sucrose synthase from <i>Acidithiobacillus caldus</i> via immobilization and post-immobilization techniques for synthesis of UDP-glucose. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 773-787.	3.6	25
54	Production of Omega-6 and 9 from the Hydrolysis of AA $\omega$ -3 and Buriti Oils by Lipase Immobilized on a Hydrophobic Support. <i>Molecules</i> , 2018, 23, 3015.	3.8	16

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55	Designing continuous flow reaction of xylan hydrolysis for xylooligosaccharides production in packed-bed reactors using xylanase immobilized on methacrylic polymer-based supports. <i>Bioresource Technology</i> , 2018, 266, 249-258.	9.6	41
56	Stabilization of Immobilized Lipases by Intense Intramolecular Cross-Linking of Their Surfaces by Using Aldehyde-Dextran Polymers. <i>International Journal of Molecular Sciences</i> , 2018, 19, 553.	4.1	32
57	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 <i>Pisum sativum</i> . <i>Enzyme and Microbial Technology</i> , 2018, 115, 73-80.	3.2	26
58	Stabilization of Enzymes by Multipoint Covalent Attachment on Aldehyde-Supports: 2-Picoline Borane as an Alternative Reducing Agent. <i>Catalysts</i> , 2018, 8, 333.	3.5	39
59	Influence of different immobilization techniques to improve the enantioselectivity of lipase from <i>Geotrichum candidum</i> applied on the resolution of mandelic acid. <i>Molecular Catalysis</i> , 2018, 458, 89-96.	2.0	10
60	Immobilization Effects on the Catalytic Properties of Two <i>Fusarium Verticillioides</i> Lipases: Stability, Hydrolysis, Transesterification and Enantioselectivity Improvement. <i>Catalysts</i> , 2018, 8, 84.	3.5	19
61	Production of omega-3 polyunsaturated fatty acids through hydrolysis of fish oil by <i>Candida rugosa</i> lipase immobilized and stabilized on different supports. <i>Biocatalysis and Biotransformation</i> , 2017, 35, 63-73.	2.0	14
62	Rational design and synthesis of affinity matrices based on proteases immobilized onto cellulose membranes. <i>Preparative Biochemistry and Biotechnology</i> , 2017, 47, 745-753.	1.9	4
63	Solid-phase amination of <i>Geotrichum candidum</i> lipase: ionic immobilization, stabilization and fish oil hydrolysis for the production of Omega-3 polyunsaturated fatty acids. <i>European Food Research and Technology</i> , 2017, 243, 1375-1384.	3.3	12
64	Biosynthesis of an antiviral compound using a stabilized phosphopentomutase by multipoint covalent immobilization. <i>Journal of Biotechnology</i> , 2017, 249, 34-41.	3.8	10
65	Critical Role of Different Immobilized Biocatalysts of a Given Lipase in the Selective Ethanolysis of Sardine Oil. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 117-122.	5.2	17
66	Immobilization-stabilization of a complex multimeric sucrose synthase from <i>Nitrosomonas europaea</i> . Synthesis of UDP-glucose. <i>Enzyme and Microbial Technology</i> , 2017, 105, 51-58.	3.2	16
67	Immobilization and Stabilization of Beta-Xylosidases from <i>Penicillium janczewskii</i> . <i>Applied Biochemistry and Biotechnology</i> , 2017, 182, 349-366.	2.9	7
68	Immobilization of Lipase from <i>Penicillium</i> sp. Section <i>Gracilentia</i> (CBMAI 1583) on Different Hydrophobic Supports: Modulation of Functional Properties. <i>Molecules</i> , 2017, 22, 339.	3.8	22
69	Different Covalent Immobilizations Modulate Lipase Activities of <i>Hypocrea pseudokoningii</i> . <i>Molecules</i> , 2017, 22, 1448.	3.8	6
70	Modulation of the regioselectivity of <i>Thermomyces lanuginosus</i> lipase via biocatalyst engineering for the Ethanolysis of oil in fully anhydrous medium. <i>BMC Biotechnology</i> , 2017, 17, 88.	3.3	41
71	Co-immobilization and stabilization of xylanase, $\beta$ -xylosidase and $\beta$ -l-arabinofuranosidase from <i>Penicillium janczewskii</i> for arabinoxylan hydrolysis. <i>Process Biochemistry</i> , 2016, 51, 614-623.	3.7	17
72	Stabilization by multipoint covalent attachment of a biocatalyst with polygalacturonase activity used for juice clarification. <i>Food Chemistry</i> , 2016, 208, 252-257.	8.2	18

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73	Hydrolysis and oxidation of racemic esters into prochiral ketones catalyzed by a consortium of immobilized enzymes. <i>Biochemical Engineering Journal</i> , 2016, 112, 136-142.	3.6	8
74	Hydrophobic adsorption in ionic medium improves the catalytic properties of lipases applied in the triacylglycerol hydrolysis by synergism. <i>Bioprocess and Biosystems Engineering</i> , 2016, 39, 1933-1943.	3.4	19
75	Intense PEGylation of Enzyme Surfaces. <i>Methods in Enzymology</i> , 2016, 571, 55-72.	1.0	29
76	Stabilization of $\beta$ -Gal-3 ATCC 31382 on agarose gels: synthesis of $\beta$ -(1 $\rightarrow$ 3) galactosides under sustainable conditions. <i>RSC Advances</i> , 2016, 6, 79554-79562.	3.6	4
77	Xylanase and $\beta$ -xylosidase from <i>Penicillium janczewskii</i> : Purification, characterization and hydrolysis of substrates. <i>Electronic Journal of Biotechnology</i> , 2016, 23, 54-62.	2.2	42
78	$\beta$ -xylosidase from <i>Selenomonas ruminantium</i> : Immobilization, stabilization, and application for xylooligosaccharide hydrolysis. <i>Biocatalysis and Biotransformation</i> , 2016, 34, 161-171.	2.0	10
79	Improved catalytic properties of <i>Candida antarctica</i> lipase B multi-attached on tailor-made hydrophobic silica containing octyl and multifunctional amino- glutaraldehyde spacer arms. <i>Process Biochemistry</i> , 2016, 51, 2055-2066.	3.7	54
80	Oriented Attachment of Recombinant Proteins to Agarose-Coated Magnetic Nanoparticles by Means of a $\beta$ -Trefoil Lectin Domain. <i>Bioconjugate Chemistry</i> , 2016, 27, 2734-2743.	3.6	1
81	Fabrication of heterogeneous biocatalyst tethering artificial prosthetic groups to obtain omega-3-fatty acids by selective hydrolysis of fish oils. <i>RSC Advances</i> , 2016, 6, 97659-97663.	3.6	1
82	Enhanced stability of L-lactate dehydrogenase through immobilization engineering. <i>Process Biochemistry</i> , 2016, 51, 1248-1255.	3.7	20
83	Improving enantioselectivity of lipase from <i>Candida rugosa</i> by carrier-bound and carrier-free immobilization. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 130, 32-39.	1.8	20
84	Synthesis of sn-2 docosahexaenoyl monoacylglycerol by mild enzymatic transesterification of docosahexaenoic acid ethyl ester and glycerol in a solvent-free system. <i>Cogent Food and Agriculture</i> , 2016, 2, .	1.4	2
85	Two-Photon Fluorescence Anisotropy Imaging to Elucidate the Dynamics and the Stability of Immobilized Proteins. <i>Journal of Physical Chemistry B</i> , 2016, 120, 485-491.	2.6	16
86	Immobilization and stabilization of an endoxylanase from <i>Bacillus subtilis</i> (XynA) for xylooligosaccharides (XOs) production. <i>Catalysis Today</i> , 2016, 259, 130-139.	4.4	48
87	Immobilizing Systems Biocatalysis for the Selective Oxidation of Glycerol Coupled to In $\beta$ ...Situ Cofactor Recycling and Hydrogen Peroxide Elimination. <i>ChemCatChem</i> , 2015, 7, 1884-1884.	3.7	0
88	Preparation of an Immobilized Lipase $\beta$ Palladium Artificial Metalloenzyme as Catalyst in the Heck Reaction: Role of the Solid Phase. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 2687-2696.	4.3	37
89	Improving Properties of a Novel $\beta$ -Galactosidase from <i>Lactobacillus plantarum</i> by Covalent Immobilization. <i>Molecules</i> , 2015, 20, 7874-7889.	3.8	19
90	Improving the Thermostability and Optimal Temperature of a Lipase from the Hyperthermophilic Archaeon <i>Pyrococcus furiosus</i> by Covalent Immobilization. <i>BioMed Research International</i> , 2015, 1-8.	1.9	18

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91	Immobilized lipase from <i>Hypocrea pseudokoningii</i> on hydrophobic and ionic supports: Determination of thermal and organic solvent stabilities for applications in the oleochemical industry. <i>Process Biochemistry</i> , 2015, 50, 561-570.	3.7	23
92	Optimizing the biological activity of Fab fragments by controlling their molecular orientation and spatial distribution across porous hydrogels. <i>Process Biochemistry</i> , 2015, 50, 1565-1571.	3.7	4
93	Immobilizing Systems Biocatalysis for the Selective Oxidation of Glycerol Coupled to Inâ€...Situ Cofactor Recycling and Hydrogen Peroxide Elimination. <i>ChemCatChem</i> , 2015, 7, 1939-1947.	3.7	23
94	Enzymatic synthesis of triacylglycerols of docosahexaenoic acid: Transesterification of its ethyl esters with glycerol. <i>Food Chemistry</i> , 2015, 187, 225-229.	8.2	31
95	Dramatic hyperactivation of lipase of <i>Thermomyces lanuginosa</i> by a cationic surfactant: Fixation of the hyperactivated form by adsorption on sulfopropyl-sepharose. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2015, 122, 199-203.	1.8	14
96	Stabilization of the lipase of <i>Hypocrea pseudokoningii</i> by multipoint covalent immobilization after chemical modification and application of the biocatalyst in oil hydrolysis. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2015, 121, 82-89.	1.8	23
97	Synthesis and modification of polyurethane for immobilization of <i>Thermomyces lanuginosus</i> (TLL) lipase for ethanolysis of fish oil in solvent free system. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2015, 122, 163-169.	1.8	25
98	Modulation of the activity and selectivity of the immobilized lipases by surfactants and solvents. <i>Biochemical Engineering Journal</i> , 2015, 93, 274-280.	3.6	43
99	Immobilization of Proteins on Glyoxyl Activated Supports: Dramatic Stabilization of Enzymes by Multipoint Covalent Attachment on Pre-Existing Supports. <i>Current Organic Chemistry</i> , 2015, 19, 1-1.	1.6	28
100	Selective oxidation of glycerol to 1,3-dihydroxyacetone by covalently immobilized glycerol dehydrogenases with higher stability and lower product inhibition. <i>Bioresource Technology</i> , 2014, 170, 445-453.	9.6	47
101	Useful Oriented Immobilization of Antibodies on Chimeric Magnetic Particles: Direct Correlation of Biomacromolecule Orientation with Biological Activity by AFM Studies. <i>Langmuir</i> , 2014, 30, 15022-15030.	3.5	12
102	Selective Ethanolysis of Fish Oil Catalyzed by Immobilized Lipases. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2014, 91, 63-69.	1.9	34
103	Novel support for enzyme immobilization prepared by chemical activation with cysteine and glutaraldehyde. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 102, 218-224.	1.8	43
104	Immobilization and high stability of an extracellular Î²-glucosidase from <i>Aspergillus japonicus</i> by ionic interactions. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 104, 95-100.	1.8	24
105	Improved purification and enzymatic properties of a mixture of Sticholysin I and II: Isotoxins with hemolytic and phospholipase A2 activities from the sea anemone <i>Stichodactyla helianthus</i> . <i>Protein Expression and Purification</i> , 2014, 95, 57-66.	1.3	7
106	Carrier-Free Immobilization of Lipase from <i>Candida rugosa</i> with Polyethyleneimines by Carboxyl-Activated Cross-Linking. <i>Biomacromolecules</i> , 2014, 15, 1896-1903.	5.4	54
107	Oxidation of phenolic compounds catalyzed by immobilized multi-enzyme systems with integrated hydrogen peroxide production. <i>Green Chemistry</i> , 2014, 16, 303-311.	9.0	66
108	Purification and improvement of the functional properties of <i>Rhizopus oryzae</i> lipase using immobilization techniques. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 110, 111-116.	1.8	10

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109	Optical Control of Enzyme Enantioselectivity in Solid Phase. <i>ACS Catalysis</i> , 2014, 4, 1004-1009.	11.2	22
110	Site-directing an intense multipoint covalent attachment (MCA) of mutants of the <i>Geobacillus thermocatenulatus</i> lipase 2 (BTL2): Genetic and chemical amination plus immobilization on a tailor-made support. <i>Process Biochemistry</i> , 2014, 49, 1324-1331.	3.7	18
111	Tips for the Functionalization of Nanoparticles with Antibodies. <i>Methods in Molecular Biology</i> , 2013, 1051, 149-163.	0.9	20
112	Oxidation of phenyl compounds using strongly stable immobilized-stabilized laccase from <i>Trametes versicolor</i> . <i>Process Biochemistry</i> , 2013, 48, 1174-1180.	3.7	40
113	New Opportunities for Immobilization of Enzymes. <i>Methods in Molecular Biology</i> , 2013, 1051, 1-13.	0.9	28
114	Stabilization of Enzymes by Multipoint Covalent Immobilization on Supports Activated with Glyoxyl Groups. <i>Methods in Molecular Biology</i> , 2013, 1051, 59-71.	0.9	36
115	Synthesis of ascorbyl oleate by transesterification of olive oil with ascorbic acid in polar organic media catalyzed by immobilized lipases. <i>Chemistry and Physics of Lipids</i> , 2013, 174, 48-54.	3.2	31
116	Immobilization and biochemical properties of a $\beta$ -xylosidase activated by glucose/xylose from <i>Aspergillus niger</i> USP-67 with transxylosylation activity. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 89, 93-101.	1.8	24
117	Continuous production of xylooligosaccharides in a packed bed reactor with immobilized-stabilized biocatalysts of xylanase from <i>Aspergillus versicolor</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 98, 8-14.	1.8	37
118	Co-immobilization of fungal endo-xylanase and $\alpha$ -L-arabinofuranosidase in glyoxyl agarose for improved hydrolysis of arabinoxylan. <i>Journal of Biochemistry</i> , 2013, 154, 275-280.	1.7	12
119	Production of Hesperetin Using a Covalently Multipoint Immobilized Diglycosidase from <i>Acremonium</i> sp. DSM24697. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2013, 23, 410-417.	1.0	9
120	Improving Lipase Activity by Immobilization and Post-immobilization Strategies. <i>Methods in Molecular Biology</i> , 2013, 1051, 255-273.	0.9	11
121	Immobilization and stabilization of a bimolecular aggregate of the lipase from <i>Pseudomonas fluorescens</i> by multipoint covalent attachment. <i>Process Biochemistry</i> , 2013, 48, 118-123.	3.7	29
122	Characterization of a tannase from <i>Emericella nidulans</i> immobilized on ionic and covalent supports for propyl gallate synthesis. <i>Biotechnology Letters</i> , 2013, 35, 591-598.	2.2	11
123	Preparation of Lipase-Coated, Stabilized, Hydrophobic Magnetic Particles for Reversible Conjugation of Biomacromolecules. <i>Biomacromolecules</i> , 2013, 14, 602-607.	5.4	21
124	Immobilization of <i>Bacillus circulans</i> $\beta$ -galactosidase and its application in the synthesis of galacto-oligosaccharides under repeated-batch operation. <i>Biochemical Engineering Journal</i> , 2013, 77, 41-48.	3.6	65
125	Production of xylo-oligosaccharides by immobilized-stabilized derivatives of endo-xylanase from <i>Streptomyces halstedii</i> . <i>Process Biochemistry</i> , 2013, 48, 478-483.	3.7	29
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