

# Jose M Guisan

## List of Publications by Citations

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456  
papers

21,306  
citations

70  
h-index

122  
g-index

463  
ext. papers

22,474  
ext. citations

4.4  
avg, IF

6.57  
L-index

#	Paper	IF	Citations
456	Improvement of enzyme activity, stability and selectivity via immobilization techniques. <i>Enzyme and Microbial Technology</i> , <b>2007</b> , 40, 1451-1463	3.7	2476
455	A single step purification, immobilization, and hyperactivation of lipases via interfacial adsorption on strongly hydrophobic supports. <i>Biotechnology and Bioengineering</i> , <b>1998</b> , 58, 486-93	4.7	435
454	Immobilization of lipases by selective adsorption on hydrophobic supports. <i>Chemistry and Physics of Lipids</i> , <b>1998</b> , 93, 185-97	3.6	400
453	Interfacial adsorption of lipases on very hydrophobic support (octadecylsephabeads): immobilization, hyperactivation and stabilization of the open form of lipases. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2002</b> , 19-20, 279-286		355
452	Different mechanisms of protein immobilization on glutaraldehyde activated supports: Effect of support activation and immobilization conditions. <i>Enzyme and Microbial Technology</i> , <b>2006</b> , 39, 877-882	3.7	319
451	Glyoxyl agarose: A fully inert and hydrophilic support for immobilization and high stabilization of proteins. <i>Enzyme and Microbial Technology</i> , <b>2006</b> , 39, 274-280	3.7	320
450	Increase in conformational stability of enzymes immobilized on epoxy-activated supports by favoring additional multipoint covalent attachment*. <i>Enzyme and Microbial Technology</i> , <b>2000</b> , 26, 509-515	3.7	292
449	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. <i>Biomacromolecules</i> , <b>2000</b> , 1, 739-45	6.7	261
448	Some special features of glyoxyl supports to immobilize proteins. <i>Enzyme and Microbial Technology</i> , <b>2005</b> , 37, 456-462	3.7	241
447	Enzyme stabilization by glutaraldehyde crosslinking of adsorbed proteins on aminated supports. <i>Journal of Biotechnology</i> , <b>2005</b> , 119, 70-5	3	231
446	Epoxy sephabeads: a novel epoxy support for stabilization of industrial enzymes via very intense multipoint covalent attachment. <i>Biotechnology Progress</i> , <b>2002</b> , 18, 629-34	2.8	231
445	Immobilization of enzymes on heterofunctional epoxy supports. <i>Nature Protocols</i> , <b>2007</b> , 2, 1022-33	18.1	228
444	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> , <b>1993</b> , 15, 546-50	3.7	215
443	Epoxy-amino groups: a new tool for improved immobilization of proteins by the epoxy method. <i>Biomacromolecules</i> , <b>2003</b> , 4, 772-7	6.7	209
442	Reversible enzyme immobilization via a very strong and nondistorting ionic adsorption on support-polyethylenimine composites. <i>Biotechnology and Bioengineering</i> , <b>2000</b> , 68, 98-105	4.7	204
441	General trend of lipase to self-assemble giving bimolecular aggregates greatly modifies the enzyme functionality. <i>Biomacromolecules</i> , <b>2003</b> , 4, 1-6	6.7	194
440	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> , <b>2007</b> , 40, 1160-1166	3.7	175

439	Advances in the design of new epoxy supports for enzyme immobilization-stabilization. <i>Biochemical Society Transactions</i> , <b>2007</b> , 35, 1593-601	5	165
438	Interfacially activated lipases against hydrophobic supports: Effect of the support nature on the biocatalytic properties. <i>Process Biochemistry</i> , <b>2008</b> , 43, 1061-1067	4.7	164
437	Activation of bacterial thermoalkalophilic lipases is spurred by dramatic structural rearrangements. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 4365-72	5	163
436	Modulation of the enantioselectivity of lipases via controlled immobilization and medium engineering: hydrolytic resolution of mandelic acid esters. <i>Enzyme and Microbial Technology</i> , <b>2002</b> , 31, 775-783	3.7	150
435	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> , <b>2009</b> , 57, 171-176		145
434	Strategies for enzyme stabilization by intramolecular crosslinking with bifunctional reagents. <i>Enzyme and Microbial Technology</i> , <b>1995</b> , 17, 517-523	3.7	134
433	Immobilization-stabilization of penicillin G acylase from <i>Escherichia coli</i> . <i>Applied Biochemistry and Biotechnology</i> , <b>1990</b> , 26, 181-95	3.1	133
432	The coimmobilization of d-amino acid oxidase and catalase enables the quantitative transformation of d-amino acids (d-phenylalanine) into $\beta$ -keto acids (phenylpyruvic acid). <i>Enzyme and Microbial Technology</i> , <b>1998</b> , 23, 28-33	3.7	123
431	Encapsulation of crosslinked penicillin G acylase aggregates in lentikats: evaluation of a novel biocatalyst in organic media. <i>Biotechnology and Bioengineering</i> , <b>2004</b> , 86, 558-62	4.7	113
430	Taking advantage of unspecific interactions to produce highly active magnetic nanoparticle-antibody conjugates. <i>ACS Nano</i> , <b>2011</b> , 5, 4521-8	16.4	114
429	Glutaraldehyde cross-linking of lipases adsorbed on aminated supports in the presence of detergents leads to improved performance. <i>Biomacromolecules</i> , <b>2006</b> , 7, 2610-5	6.7	113
428	Modulation of the enantioselectivity of <i>Candida antarctica</i> B lipase via conformational engineering. Kinetic resolution of (-)- $\beta$ -hydroxy-phenylacetic acid derivatives. <i>Tetrahedron: Asymmetry</i> , <b>2002</b> , 13, 1337-1345 <sup>111</sup>		111
427	Co-aggregation of penicillin g acylase and polyionic polymers: an easy methodology to prepare enzyme biocatalysts stable in organic media. <i>Biomacromolecules</i> , <b>2004</b> , 5, 852-7	6.7	112
426	Stabilization of multimeric enzymes via immobilization and post-immobilization techniques. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>1999</b> , 7, 181-189		109
425	Use of immobilized lipases for lipase purification via specific lipase-lipase interactions. <i>Journal of Chromatography A</i> , <b>2004</b> , 1038, 267-73	4.3	105
424	CLEAs of lipases and poly-ionic polymers: A simple way of preparing stable biocatalysts with improved properties. <i>Enzyme and Microbial Technology</i> , <b>2006</b> , 39, 750-755	3.7	103
423	Immobilization of peroxidase glycoprotein on gold electrodes modified with mixed epoxy-boronic Acid monolayers. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 12845-53	16	103
422	Improved stabilization of chemically aminated enzymes via multipoint covalent attachment on glyoxyl supports. <i>Journal of Biotechnology</i> , <b>2005</b> , 116, 1-10	3	102

4 <sup>21</sup>	Self-assembly of <i>Pseudomonas fluorescens</i> lipase into bimolecular aggregates dramatically affects functional properties. <i>Biotechnology and Bioengineering</i> , <b>2003</b> , 82, 232-7	4.7	101
4 <sup>20</sup>	Coating of soluble and immobilized enzymes with ionic polymers: full stabilization of the quaternary structure of multimeric enzymes. <i>Biomacromolecules</i> , <b>2009</b> , 10, 742-7	6.7	98
4 <sup>19</sup>	Specificity enhancement towards hydrophobic substrates by immobilization of lipases by interfacial activation on hydrophobic supports. <i>Enzyme and Microbial Technology</i> , <b>2007</b> , 41, 565-569	3.7	98
4 <sup>18</sup>	Rational Co-Immobilization of Bi-Enzyme Cascades on Porous Supports and their Applications in Bio-Redox Reactions with In Situ Recycling of Soluble Cofactors. <i>ChemCatChem</i> , <b>2012</b> , 4, 1279-1288	5.1	96
4 <sup>17</sup>	The immobilization of a thermophilic $\beta$ -galactosidase on Sepabeads supports decreases product inhibition. <i>Enzyme and Microbial Technology</i> , <b>2003</b> , 33, 199-205	3.7	97
4 <sup>16</sup>	Lipase-lipase interactions as a new tool to immobilize and modulate the lipase properties. <i>Enzyme and Microbial Technology</i> , <b>2005</b> , 36, 447-454	3.7	95
4 <sup>15</sup>	Dextran aldehyde coating of glucose oxidase immobilized on magnetic nanoparticles prevents its inactivation by gas bubbles. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2005</b> , 32, 97-101		93
4 <sup>14</sup>	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> , <b>2004</b> , 70, 1249-51	4.6	92
4 <sup>13</sup>	Co-aggregation of enzymes and polyethyleneimine: a simple method to prepare stable and immobilized derivatives of glutaryl acylase. <i>Biomacromolecules</i> , <b>2005</b> , 6, 1839-42	6.7	88
4 <sup>12</sup>	One-step purification, covalent immobilization, and additional stabilization of poly-His-tagged proteins using novel heterofunctional chelate-epoxy supports. <i>Biotechnology and Bioengineering</i> , <b>2001</b> , 76, 269-76	4.7	90
4 <sup>11</sup>	Cross-linked aggregates of multimeric enzymes: a simple and efficient methodology to stabilize their quaternary structure. <i>Biomacromolecules</i> , <b>2004</b> , 5, 814-7	6.7	90
4 <sup>10</sup>	Facile synthesis of artificial enzyme nano-environments via solid-phase chemistry of immobilized derivatives: Dramatic stabilization of penicillin acylase versus organic solvents. <i>Enzyme and Microbial Technology</i> , <b>1999</b> , 24, 96-103	3.7	90
4 <sup>09</sup>	Immobilization-stabilization of alpha-chymotrypsin by covalent attachment to aldehyde-agarose gels. <i>Biotechnology and Bioengineering</i> , <b>1991</b> , 38, 1144-52	4.7	89
4 <sup>08</sup>	Modulation of penicillin acylase properties via immobilization techniques: one-pot chemoenzymatic synthesis of Cephmandole from Cephalosporin C. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2001</b> , 11, 2429-32	2.8	89
4 <sup>07</sup>	Stabilization of enzymes by multipoint immobilization of thiolated proteins on new epoxy-thiol supports. <i>Biotechnology and Bioengineering</i> , <b>2005</b> , 90, 597-605	4.7	89
4 <sup>06</sup>	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> , <b>2008</b> , 9, 2553-61	6.7	87
4 <sup>05</sup>	Immobilization-stabilization of the lipase from <i>Thermomyces lanuginosus</i> : Critical role of chemical amination. <i>Process Biochemistry</i> , <b>2009</b> , 44, 963-968	4.7	86
4 <sup>04</sup>	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> , <b>2003</b> , 21, 201-210		85

403	Solid-phase handling of hydrophobins: immobilized hydrophobins as a new tool to study lipases. <i>Biomacromolecules</i> , <b>2003</b> , 4, 204-10	6.7	84
402	Improvement of enzyme properties with a two-step immobilization process on novel heterofunctional supports. <i>Biomacromolecules</i> , <b>2010</b> , 11, 3112-7	6.7	81
401	Novel bifunctional epoxy/thiol-reactive support to immobilize thiol containing proteins by the epoxy chemistry. <i>Biomacromolecules</i> , <b>2003</b> , 4, 1495-501	6.7	81
400	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> , <b>2001</b> , 28, 389-396	3.7	80
399	Structural and functional stabilization of L-asparaginase via multisubunit immobilization onto highly activated supports. <i>Biotechnology Progress</i> , <b>2001</b> , 17, 537-42	2.8	80
398	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> , <b>2004</b> , 20, 1259-62	2.8	79
397	Improved catalytic properties of immobilized lipases by the presence of very low concentrations of detergents in the reaction medium. <i>Biotechnology and Bioengineering</i> , <b>2007</b> , 97, 242-50	4.7	78
396	Reversible immobilization of a thermophilic $\beta$ -galactosidase via ionic adsorption on PEI-coated Sepabeads. <i>Enzyme and Microbial Technology</i> , <b>2003</b> , 32, 369-374	3.7	77
395	Enzyme reaction engineering: synthesis of antibiotics catalysed by stabilized penicillin G acylase in the presence of organic cosolvents. <i>Enzyme and Microbial Technology</i> , <b>1991</b> , 13, 898-905	3.7	78
394	Improvement of the stability of alcohol dehydrogenase by covalent immobilization on glyoxyl-agarose. <i>Journal of Biotechnology</i> , <b>2006</b> , 125, 85-94	3	76
393	Preparation of inert magnetic nano-particles for the directed immobilization of antibodies. <i>Biosensors and Bioelectronics</i> , <b>2005</b> , 20, 1380-7	11.6	75
392	Preparation of a stable biocatalyst of bovine liver catalase using immobilization and postimmobilization techniques. <i>Biotechnology Progress</i> , <b>2003</b> , 19, 763-7	2.8	74
391	One-step purification, covalent immobilization, and additional stabilization of a thermophilic poly-His-tagged beta-galactosidase from <i>Thermus</i> sp. strain T2 by using novel heterofunctional chelate-epoxy Sepabeads. <i>Biomacromolecules</i> , <b>2003</b> , 4, 107-13	6.7	75
390	Reversible and strong immobilization of proteins by ionic exchange on supports coated with sulfate-dextran. <i>Biotechnology Progress</i> , <b>2004</b> , 20, 1134-9	2.8	74
389	A novel heterofunctional epoxy-amino sepabeads for a new enzyme immobilization protocol: immobilization-stabilization of beta-galactosidase from <i>Aspergillus oryzae</i> . <i>Biotechnology Progress</i> , <b>2003</b> , 19, 1056-60	2.8	74
388	Biotransformations catalyzed by multimeric enzymes: stabilization of tetrameric ampicillin acylase permits the optimization of ampicillin synthesis under dissociation conditions. <i>Biomacromolecules</i> , <b>2001</b> , 2, 95-104	6.7	73
387	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> , <b>2006</b> , 38, 975-980	3.7	71
386	Preparation of a very stable immobilized biocatalyst of glucose oxidase from <i>Aspergillus niger</i> . <i>Journal of Biotechnology</i> , <b>2006</b> , 121, 284-9	3	70

385	Reversible immobilization of invertase on Sepabeads coated with polyethyleneimine: optimization of the biocatalyst stability. <i>Biotechnology Progress</i> , <b>2002</b> , 18, 1221-6	2.8	70
384	Use of dextrans as long and hydrophilic spacer arms to improve the performance of immobilized proteins acting on macromolecules. <i>Biotechnology and Bioengineering</i> , <b>1998</b> , 60, 518-23	4.7	70
383	Stabilization of a formate dehydrogenase by covalent immobilization on highly activated glyoxyl-agarose supports. <i>Biomacromolecules</i> , <b>2006</b> , 7, 669-73	6.7	68
382	Affinity chromatography of polyhistidine tagged enzymes. New dextran-coated immobilized metal ion affinity chromatography matrices for prevention of undesired multipoint adsorptions. <i>Journal of Chromatography A</i> , <b>2001</b> , 915, 97-106	4.3	68
381	Stabilization of heterodimeric enzyme by multipoint covalent immobilization: Penicillin G acylase from <i>Kluyvera citrophila</i> . <i>Biotechnology and Bioengineering</i> , <b>1993</b> , 42, 455-64	4.7	68
380	Evaluation of different enzymes as catalysts for the production of $\beta$ -lactam antibiotics following a kinetically controlled strategy. <i>Enzyme and Microbial Technology</i> , <b>1999</b> , 25, 336-343	3.7	67
379	The presence of methanol exerts a strong and complex modulation of the synthesis of different antibiotics by immobilized penicillin G acylase. <i>Enzyme and Microbial Technology</i> , <b>1998</b> , 23, 305-310	3.7	67
378	Immobilization/stabilization of lipase from <i>Candida rugosa</i> . <i>Applied Biochemistry and Biotechnology</i> , <b>1988</b> , 19, 163-75	3.1	66
377	Purification, immobilization, and stabilization of a lipase from <i>Bacillus thermocatenulatus</i> by interfacial adsorption on hydrophobic supports. <i>Biotechnology Progress</i> , <b>2004</b> , 20, 630-5	2.8	65
376	Prevention of interfacial inactivation of enzymes by coating the enzyme surface with dextran-aldehyde. <i>Journal of Biotechnology</i> , <b>2004</b> , 110, 201-7	3	64
375	Use of aqueous two-phase systems for in situ extraction of water soluble antibiotics during their synthesis by enzymes immobilized on porous supports <b>1998</b> , 59, 73-79		63
374	A novel halophilic lipase, LipBL, showing high efficiency in the production of eicosapentaenoic acid (EPA). <i>PLoS ONE</i> , <b>2011</b> , 6, e23325	3.6	63
373	Stabilization of different alcohol oxidases via immobilization and post immobilization techniques. <i>Enzyme and Microbial Technology</i> , <b>2007</b> , 40, 278-284	3.7	62
372	Determination of protein-protein interactions through aldehyde-dextran intermolecular cross-linking. <i>Proteomics</i> , <b>2004</b> , 4, 2602-7	4.1	63
371	Preparation of a robust biocatalyst of d-amino acid oxidase on sepabeads supports using the glutaraldehyde crosslinking method. <i>Enzyme and Microbial Technology</i> , <b>2005</b> , 37, 750-756	3.7	63
370	Selective adsorption of poly-His tagged glutaryl acylase on tailor-made metal chelate supports. <i>Journal of Chromatography A</i> , <b>1999</b> , 848, 61-70	4.3	63
369	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> , <b>2013</b> , 77, 41-48	4.2	61
368	Two step ethanolysis: A simple and efficient way to improve the enzymatic biodiesel synthesis catalyzed by an immobilized $\beta$ -stabilized lipase from <i>Thermomyces lanuginosus</i> . <i>Process Biochemistry</i> , <b>2010</b> , 45, 1268-1273	4.7	62



367	Ion exchange using poorly activated supports, an easy way for purification of large proteins. <i>Journal of Chromatography A</i> , <b>2004</b> , 1034, 155-9	4.3	62
366	Synthesis of antibiotics (cephaloglycin) catalyzed by penicillin G acylase: Evaluation and optimization of different synthetic approaches. <i>Enzyme and Microbial Technology</i> , <b>1996</b> , 19, 9-14	3.7	62
365	Modulation of Immobilized Lipase Enantioselectivity via Chemical Amination. <i>Advanced Synthesis and Catalysis</i> , <b>2007</b> , 349, 1119-1127	5.5	59
364	Preparation of new lipases derivatives with high activity&stability in anhydrous media: adsorption on hydrophobic supports plus hydrophilization with polyethylenimine. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2001</b> , 11, 817-824		59
363	Synthesis of enantiomerically pure glycidol via a fully enantioselective lipase-catalyzed resolution. <i>Tetrahedron: Asymmetry</i> , <b>2005</b> , 16, 869-874		59
362	Effect of lipase&lipase interactions in the activity, stability and specificity of a lipase from <i>Alcaligenes sp.</i> . <i>Enzyme and Microbial Technology</i> , <b>2006</b> , 39, 259-264	3.7	57
361	Hydrolysis of proteins by immobilized-stabilized alcalase-glyoxyl agarose. <i>Biotechnology Progress</i> , <b>2003</b> , 19, 352-60	2.8	58
360	Detecting minimal traces of DNA using DNA covalently attached to superparamagnetic nanoparticles and direct PCR-ELISA. <i>Biosensors and Bioelectronics</i> , <b>2006</b> , 21, 1574-80	11.6	57
359	Preparation of artificial hyper-hydrophilic micro-environments (polymeric salts) surrounding enzyme molecules. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2002</b> , 19-20, 295-303		56
358	Influence of the enzyme derivative preparation and substrate structure on the enantioselectivity of penicillin G acylase. <i>Enzyme and Microbial Technology</i> , <b>2002</b> , 31, 88-93	3.7	56
357	Immobilization and stabilization of glutaryl acylase on aminated sephabeads supports by the glutaraldehyde crosslinking method. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2005</b> , 35, 57-61		54
356	Evaluation of different immobilization strategies to prepare an industrial biocatalyst of formate dehydrogenase from <i>Candida boidinii</i> . <i>Enzyme and Microbial Technology</i> , <b>2007</b> , 40, 540-546	3.7	54
355	Regio-selective deprotection of peracetylated sugars via lipase hydrolysis. <i>Tetrahedron</i> , <b>2003</b> , 59, 5705-5711	2.1	54
354	Use of physicochemical tools to determine the choice of optimal enzyme: stabilization of D-amino acid oxidase. <i>Biotechnology Progress</i> , <b>2003</b> , 19, 784-8	2.8	53
353	Oxidation of phenolic compounds catalyzed by immobilized multi-enzyme systems with integrated hydrogen peroxide production. <i>Green Chemistry</i> , <b>2014</b> , 16, 303-311	9.9	52
352	Influence of different immobilization techniques for <i>Candida cylindracea</i> lipase on its stability and fish oil hydrolysis. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2012</b> , 78, 111-118		51
351	Glutaraldehyde modification of lipases adsorbed on aminated supports: A simple way to improve their behaviour as enantioselective biocatalyst. <i>Enzyme and Microbial Technology</i> , <b>2007</b> , 40, 704-707	3.7	52
350	One-Pot Chemoenzymatic Synthesis of 3&Functionalized Cephalosporines (Cefazolin) by Three Consecutive Biotransformations in Fully Aqueous Medium. <i>Journal of Organic Chemistry</i> , <b>1997</b> , 62, 9099-9106	4.1	51

349	A criterion for the selection of monophasic solvents for enzymatic synthesis. <i>Enzyme and Microbial Technology</i> , <b>1998</b> , 23, 64-69	3.7	51
348	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> , <b>2006</b> , 39, 167-171	3.7	49
347	Design of an immobilized preparation of catalase from <i>Thermus thermophilus</i> to be used in a wide range of conditions.: Structural stabilization of a multimeric enzyme. <i>Enzyme and Microbial Technology</i> , <b>2003</b> , 33, 278-285	3.7	49
346	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> , <b>2009</b> , 58, 158-163		49
345	Stabilization of enzymes (D-amino acid oxidase) against hydrogen peroxide via immobilization and post-immobilization techniques. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>1999</b> , 7, 173-179		48
344	Additional stabilization of penicillin G acylase-agarose derivatives by controlled chemical modification with formaldehyde. <i>Enzyme and Microbial Technology</i> , <b>1992</b> , 14, 489-95	3.7	49
343	Carrier-free immobilization of lipase from <i>Candida rugosa</i> with polyethyleneimines by carboxyl-activated cross-linking. <i>Biomacromolecules</i> , <b>2014</b> , 15, 1896-903	6.7	47
342	Modulation of the distribution of small proteins within porous matrixes by smart-control of the immobilization rate. <i>Journal of Biotechnology</i> , <b>2011</b> , 155, 412-20	3	48
341	Promotion of multipoint covalent immobilization through different regions of genetically modified penicillin G acylase from <i>E. coli</i> . <i>Process Biochemistry</i> , <b>2010</b> , 45, 390-398	4.7	47
340	Design of new immobilized-stabilized carboxypeptidase a derivative for production of aromatic free hydrolysates of proteins. <i>Biotechnology Progress</i> , <b>2003</b> , 19, 565-74	2.8	47
339	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> , <b>2001</b> , 11, 649-656		48
338	Heterofunctional supports for the one-step purification, immobilization and stabilization of large multimeric enzymes: Amino-glyoxyl versus amino-epoxy supports. <i>Process Biochemistry</i> , <b>2010</b> , 45, 1692-1698	4.7	47
337	Glyoxyl agarose as a new chromatographic matrix. <i>Enzyme and Microbial Technology</i> , <b>2006</b> , 38, 960-966	3.7	47
336	Advantages of the pre-immobilization of enzymes on porous supports for their entrapment in sol-gels. <i>Biomacromolecules</i> , <b>2005</b> , 6, 1027-30	6.7	47
335	Immobilization and stabilization of recombinant multimeric uridine and purine nucleoside phosphorylases from <i>Bacillus subtilis</i> . <i>Biomacromolecules</i> , <b>2004</b> , 5, 2195-200	6.7	47
334	Selective oxidation: stabilisation by multipoint attachment of ferredoxin NADP+ reductase, an interesting cofactor recycling enzyme. <i>Journal of Molecular Catalysis A</i> , <b>1995</b> , 98, 161-169		47
333	Regioselective monodeprotection of peracetylated carbohydrates. <i>Nature Protocols</i> , <b>2012</b> , 7, 1783-96	18.1	45
332	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> , <b>2006</b> , 39, 909-915	3.7	46



331	Electrostatic and covalent immobilisation of enzymes on ITQ-6 delaminated zeolitic materials. <i>Chemical Communications</i> , <b>2001</b> , 419-420	5.7	47
330	Purification of different lipases from <i>Aspergillus niger</i> by using a highly selective adsorption on hydrophobic supports. <i>Biotechnology and Bioengineering</i> , <b>2005</b> , 92, 773-9	4.7	44
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