

Jose M Palomo

List of Publications by Year in descending order

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138
papers

9,951
citations

57758

44
h-index

34986

98
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144
all docs

144
docs citations

144
times ranked

7997
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of silver and gold nanoparticlesâ€“enzymeâ€“polymer conjugate hybrids as dual-activity catalysts for chemoenzymatic cascade reactions. <i>Nanoscale</i> , 2022, 14, 5701-5715.	5.6	17
2	Cascade Catalysis Through Bifunctional Lipase Metal Biohybrids for the Synthesis of Enantioenriched Oâ€“Heterocycles from Allenes. <i>ChemCatChem</i> , 2022, 14, .	3.7	11
3	Microbial lipase: a new approach for a heterogeneous biocatalyst. <i>Preparative Biochemistry and Biotechnology</i> , 2021, 51, 749-760.	1.9	9
4	Arylative Allenol Cyclization via Sequential Oneâ€“pot Enzyme & Palladium Catalysis. <i>ChemCatChem</i> , 2021, 13, 763-769.	3.7	19
5	Pd-Oxazolone complexes conjugated to an engineered enzyme: improving fluorescence and catalytic properties. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 2773-2783.	2.8	10
6	Enzyme/Nanocopper Hybrid Nanozymes: Modulating Enzyme-like Activity by the Protein Structure for Biosensing and Tumor Catalytic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 5111-5124.	8.0	22
7	Palladium Nanocatalysts for Cascade Câ€“N Crossâ€“Coupling/Heck Reaction. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 872-878.	2.7	5
8	Geranyl Functionalized Materials for Site-Specific Co-Immobilization of Proteins. <i>Molecules</i> , 2021, 26, 3028.	3.8	0
9	Special Issue â€œBiocatalysts: Design and Applicationâ€• <i>Catalysts</i> , 2021, 11, 778.	3.5	0
10	Artificial enzymes with multiple active sites. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2021, 29, 100452.	5.9	16
11	Glyconanomaterials for Human Virus Detection and Inhibition. <i>Nanomaterials</i> , 2021, 11, 1684.	4.1	5
12	In Vitro Antiviral Activity of Tyrosinase from Mushroom <i>Agaricus bisporus</i> against Hepatitis C Virus. <i>Pharmaceuticals</i> , 2021, 14, 759.	3.8	4
13	Functional Glyconanomaterials. <i>Nanomaterials</i> , 2021, 11, 2482.	4.1	0
14	Palladium-Nanoparticles Biohybrids in Applied Chemistry. <i>Applied Nano</i> , 2021, 2, 1-13.	2.0	14
15	Tailorable synthesis of heterogeneous enzymeâ€“copper nanobiohybrids and their application in the selective oxidation of benzene to phenol. <i>Catalysis Science and Technology</i> , 2020, 10, 196-206.	4.1	25
16	Specific chemical incorporation of l-DOPA and functionalized l-DOPA-hyaluronic acid in <i>Candida antarctica</i> lipase: creating potential mussel-inspired bioadhesives. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	8
17	Direct Synthesis of Phenols from Phenylboronic Acids in Aqueous Media Catalyzed by a Cu(O)â€“Nanoparticles Biohybrid. <i>ChemistrySelect</i> , 2020, 5, 7492-7496.	1.5	5
18	Recent Advances in Enzymatic and Chemoenzymatic Cascade Processes. <i>Catalysts</i> , 2020, 10, 1258.	3.5	34

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19	Synthetic complexity created by lipases. <i>Nature Catalysis</i> , 2020, 3, 335-336.	34.4	6
20	The enzyme-induced formation of iron hybrid nanostructures with different morphologies. <i>Nanoscale</i> , 2020, 12, 12917-12927.	5.6	12
21	High Degradation of Trichloroethylene in Water by Nanostructured MeNPs@CALB Biohybrid Catalysts. <i>Catalysts</i> , 2020, 10, 753.	3.5	6
22	New Advances in Fabrication of Graphene Glyconanomaterials for Application in Therapy and Diagnosis. <i>ACS Omega</i> , 2020, 5, 4362-4369.	3.5	13
23	Fast Degradation of Bisphenol A in Water by Nanostructured CuNPs@CALB Biohybrid Catalysts. <i>Nanomaterials</i> , 2020, 10, 7.	4.1	11
24	Combining enzymes and organometallic complexes: novel artificial metalloenzymes and hybrid systems for C-H activation chemistry. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 7114-7123.	2.8	17
25	Nanobiohybrids: a new concept for metal nanoparticles synthesis. <i>Chemical Communications</i> , 2019, 55, 9583-9589.	4.1	59
26	Efficient Production of Multi-Layer Graphene from Graphite Flakes in Water by Lipase-Graphene Sheets Conjugation. <i>Nanomaterials</i> , 2019, 9, 1344.	4.1	5
27	Chemical Modification of Novel Glycosidases from <i>Lactobacillus plantarum</i> Using Hyaluronic Acid: Effects on High Specificity against 6-Phosphate Glucopyranoside. <i>Coatings</i> , 2019, 9, 311.	2.6	5
28	Highly accessible aqueous synthesis of well-dispersed dendrimer type platinum nanoparticles and their catalytic applications. <i>Nano Research</i> , 2019, 12, 1083-1092.	10.4	10
29	Site-selective modification of tryptophan and protein tryptophan residues through PdNP bionanohybrid-catalysed C-H activation in aqueous media. <i>Chemical Communications</i> , 2019, 55, 12928-12931.	4.1	19
30	Iron nanostructured catalysts: design and applications. <i>Catalysis Science and Technology</i> , 2018, 8, 1754-1776.	4.1	33
31	Efficient purification of a highly active H-subunit of tyrosinase from <i>Agaricus bisporus</i> . <i>Protein Expression and Purification</i> , 2018, 145, 64-70.	1.3	12
32	Effect of Site-Specific Peptide-Tag Labeling on the Biocatalytic Properties of Thermoalkalophilic Lipase from <i>Geobacillus thermocatenulatus</i> . <i>ChemBioChem</i> , 2018, 19, 369-378.	2.6	10
33	Ultra-Small Pd(0) Nanoparticles into a Designed Semisynthetic Lipase: An Efficient and Recyclable Heterogeneous Biohybrid Catalyst for the Heck Reaction under Mild Conditions. <i>Molecules</i> , 2018, 23, 2358.	3.8	14
34	Asymmetric and Selective Biocatalysis. <i>Catalysts</i> , 2018, 8, 588.	3.5	0
35	Ultra-Fast Degradation of p-Aminophenol by a Nanostructured Iron Catalyst. <i>Molecules</i> , 2018, 23, 2166.	3.8	9
36	Pd Nanoparticles-Polyethylenimine-Lipase Bionanohybrids as Heterogeneous Catalysts for Selective Oxidation of Aromatic Alcohols. <i>ChemCatChem</i> , 2018, 10, 4992-4999.	3.7	13

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37	Synthesis of a superparamagnetic ultrathin FeCO ₃ nanorods-enzyme bionanohybrid as a novel heterogeneous catalyst. <i>Chemical Communications</i> , 2018, 54, 6256-6259.	4.1	21
38	Biocatalytic Process Optimization for the Production of High-Added-Value 6-Hydroxy and 3-Hydroxy Glycosyl Building Blocks. <i>ChemCatChem</i> , 2017, 9, 2536-2543.	3.7	3
39	Solid-surface activated recombinant <i>Rhizopus oryzae</i> lipase expressed in <i>Pichia pastoris</i> and chemically modified variants as efficient catalysts in the synthesis of hydroxy monodeprotected glycals. <i>Catalysis Science and Technology</i> , 2017, 7, 1766-1775.	4.1	3
40	Semisynthetic Enzymes by Protein-Peptide Site-Directed Covalent Conjugation. <i>Methods in Enzymology</i> , 2017, 590, 305-316.	1.0	0
41	Regioselective Palmitoylation of 9-(2,3-Dihydroxy-propyl)adenine Catalyzed by a Glycopolymer-enzyme Conjugate. <i>Molecules</i> , 2016, 21, 648.	3.8	2
42	Design of Heterogeneous Hoveyda-Grubbs Second-Generation Catalyst-Lipase Conjugates. <i>Molecules</i> , 2016, 21, 1680.	3.8	8
43	Covalent Immobilization of <i>Candida rugosa</i> Lipase at Alkaline pH and Their Application in the Regioselective Deprotection of Per-O-acetylated Thymidine. <i>Catalysts</i> , 2016, 6, 115.	3.5	21
44	New Tailor-Made Alkyl-Aldehyde Bifunctional Supports for Lipase Immobilization. <i>Catalysts</i> , 2016, 6, 191.	3.5	13
45	Biosynthesis of Metal Nanoparticles: Novel Efficient Heterogeneous Nanocatalysts. <i>Nanomaterials</i> , 2016, 6, 84.	4.1	58
46	Efficient and green approach for the complete deprotection of O-acetylated biomolecules. <i>RSC Advances</i> , 2016, 6, 88974-88978.	3.6	4
47	Palladium nanoparticles enzyme aggregate (PANEA) as efficient catalyst for Suzuki-Miyaura reaction in aqueous media. <i>Enzyme and Microbial Technology</i> , 2016, 95, 242-247.	3.2	26
48	Preparation of an Immobilized Lipase-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
49	New emerging bio-catalysts design in biotransformations. <i>Biotechnology Advances</i> , 2015, 33, 605-613.	11.7	31
50	Enzyme-catalyzed preparation of chenodeoxycholic esters by an immobilized heterologous <i>Rhizopus oryzae</i> lipase. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2015, 118, 36-42.	1.8	10
51	Solid-phase peptide synthesis: an overview focused on the preparation of biologically relevant peptides. <i>RSC Advances</i> , 2014, 4, 32658-32672.	3.6	183
52	Low ionic liquid concentration in water: a green and simple approach to improve activity and selectivity of lipases. <i>RSC Advances</i> , 2014, 4, 49115-49122.	3.6	10
53	Cascade Reactions Catalyzed by Bionanostructures. <i>ACS Catalysis</i> , 2014, 4, 1588-1598.	11.2	84
54	<i>Escherichia coli</i> LacZ β -galactosidase inhibition by monohydroxy acetylated glycopyranosides: Role of the acetyl groups. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 107, 31-38.	1.8	3

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55	Highly selective purification of three lipases from <i>Geotrichum candidum</i> 4013 and their characterization and biotechnological applications. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 98, 62-72.	1.8	26
56	Synthesis of heterogeneous enzyme-metal nanoparticle biohybrids in aqueous media and their applications in C-C bond formation and tandem catalysis. <i>Chemical Communications</i> , 2013, 49, 6876.	4.1	121
57	Changes on enantioselectivity of a genetically modified thermophilic lipase by site-directed oriented immobilization. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 87, 121-127.	1.8	22
58	Novel enzyme-polymer conjugates for biotechnological applications. <i>PeerJ</i> , 2013, 1, e27.	2.0	14
59	Click reactions in protein chemistry: from the preparation of semisynthetic enzymes to new click enzymes. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 9309.	2.8	35
60	Monosaccharide derivatives as central scaffolds in the synthesis of glycosylated drugs. <i>RSC Advances</i> , 2012, 2, 1729.	3.6	18
61	Semisynthetic peptide-lipase conjugates for improved biotransformations. <i>Chemical Communications</i> , 2012, 48, 9053.	4.1	31
62	Different strategies to enhance the activity of lipase catalysts. <i>Catalysis Science and Technology</i> , 2012, 2, 1531.	4.1	50
63	Regioselective monodeprotection of peracetylated carbohydrates. <i>Nature Protocols</i> , 2012, 7, 1783-1796.	12.0	53
64	Immobilized Heterologous <i>Rhizopus Oryzae</i> Lipase as an Efficient Catalyst in the Acetylation of Cortisol. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 4306-4312.	2.4	23
65	Modulation of the Selectivity of Immobilized Lipases by Chemical and Physical Modifications: Release of Omega-3 Fatty Acids from Fish Oil. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2012, 89, 97-102.	1.9	32
66	Oriented irreversible immobilization of a glycosylated <i>Candida antarctica</i> B lipase on heterofunctional organoborane-aldehyde support. <i>Catalysis Science and Technology</i> , 2011, 1, 260.	4.1	15
67	Enantioselective desymmetrization of prochiral diesters catalyzed by immobilized <i>Rhizopus oryzae</i> lipase. <i>Tetrahedron: Asymmetry</i> , 2011, 22, 2080-2084.	1.8	22
68	Medium engineering on modified <i>Geobacillus thermocatenulatus</i> lipase to prepare highly active catalysts. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2011, 70, 144-148.	1.8	19
69	Enzyme Surface Glycosylation in the Solid Phase: Improved Activity and Selectivity of <i>Candida Antarctica</i> Lipase B. <i>ChemCatChem</i> , 2011, 3, 1902-1910.	3.7	29
70	trans,trans-2,4-Hexadiene incorporation on enzymes for site-specific immobilization and fluorescent labeling. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 5535.	2.8	19
71	Diels-Alder Cycloaddition in Protein Chemistry. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 6303-6314.	2.4	42
72	Enhanced activity of an immobilized lipase promoted by site-directed chemical modification with polymers. <i>Process Biochemistry</i> , 2010, 45, 534-541.	3.7	41

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73	Single-step purification of different lipases from <i>Staphylococcus warneri</i> . <i>Journal of Chromatography A</i> , 2010, 1217, 473-478.	3.7	24
74	Highly enantioselective biocatalysts by coating immobilized lipases with polyethyleneimine. <i>Catalysis Communications</i> , 2010, 11, 964-967.	3.3	31
75	Effect of ionic liquids as additives in the catalytic properties of different immobilized preparations of <i>Rhizomucor miehei</i> lipase in the hydrolysis of peracetylated lactal. <i>Green Chemistry</i> , 2010, 12, 1365.	9.0	16
76	Activation of Bacterial Thermoalkalophilic Lipases Is Spurred by Dramatic Structural Rearrangements. <i>Journal of Biological Chemistry</i> , 2009, 284, 4365-4372.	3.4	196
77	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
78	Lipase-Catalyzed Regioselective One-Step Synthesis of Penta-O-acetyl- β -D-glucopyranosyl lactal. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 3327-3329.	2.4	10
79	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
80	Chemo-biocatalytic regioselective one-pot synthesis of different deprotected monosaccharides. <i>Catalysis Today</i> , 2009, 140, 11-18.	4.4	34
81	Interfacially activated lipases against hydrophobic supports: Effect of the support nature on the biocatalytic properties. <i>Process Biochemistry</i> , 2008, 43, 1061-1067.	3.7	191
82	Asymmetric hydrolysis of dimethyl 3-phenylglutarate catalyzed by Lecitase Ultra [®] . <i>Enzyme and Microbial Technology</i> , 2008, 43, 531-536.	3.2	18
83	Preparation of linear oligosaccharides by a simple monoprotective chemo-enzymatic approach. <i>Tetrahedron</i> , 2008, 64, 9286-9292.	1.9	26
84	Regioselective monohydrolysis of per-O-acetylated-1-substituted- β -D-glucopyranosides catalyzed by immobilized lipases. <i>Tetrahedron</i> , 2008, 64, 10721-10727.	1.9	19
85	A chemo-biocatalytic approach in the synthesis of β -O-naphthylmethyl-N-peracetylated lactosamine. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2008, 52-53, 106-112.	1.8	16
86	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
87	Solid-Phase Chemical Amination of a Lipase from <i>Bacillus thermocatenuatus</i> To Improve Its Stabilization via Covalent Immobilization on Highly Activated Glyoxyl-Agarose. <i>Biomacromolecules</i> , 2008, 9, 2553-2561.	5.4	98
88	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.	3.3	81
89	Modulation of Immobilized Lipase Enantioselectivity via Chemical Amination. <i>Advanced Synthesis and Catalysis</i> , 2007, 349, 1119-1127.	4.3	66
90	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.	4.3	45

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91	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.	3.2	55
92	Partial and enantioselective hydrolysis of diethyl phenylmalonate by immobilized preparations of lipase from <i>Thermomyces lanuginose</i> . <i>Enzyme and Microbial Technology</i> , 2007, 40, 1280-1285.	3.2	30
93	Improvement of enzyme activity, stability and selectivity via immobilization techniques. <i>Enzyme and Microbial Technology</i> , 2007, 40, 1451-1463.	3.2	2,864
94	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.	3.2	9
95	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.	3.2	109
96	Immobilization of enzymes on heterofunctional epoxy supports. <i>Nature Protocols</i> , 2007, 2, 1022-1033.	12.0	269
97	Effect of the immobilization protocol in the activity, stability, and enantioselectivity of Lecitase® Ultra. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2007, 47, 99-104.	1.8	42
98	Screening of lipases for regioselective hydrolysis of peracetylated β -D-monosaccharides. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2007, 49, 12-17.	1.8	12
99	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.	5.4	15
100	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.	5.4	121
101	Unusual enzymatic resolution of (\pm)-glycidyl-butyrate for the production of (S)-glycidyl derivatives. <i>Enzyme and Microbial Technology</i> , 2006, 38, 429-435.	3.2	18
102	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.	3.2	347
103	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.	3.2	114
104	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.	3.2	36
105	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.	3.2	54
106	Improvement of the functional properties of a thermostable lipase from <i>Alcaligenes sp.</i> via strong adsorption on hydrophobic supports. <i>Enzyme and Microbial Technology</i> , 2006, 38, 975-980.	3.2	75
107	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> , 2006, 39, 259-264.	3.2	64
108	Solid-phase synthesis of palmitoylated and farnesylated lipopeptides employing the fluoride-labile PTMSEL linker. <i>Tetrahedron Letters</i> , 2006, 47, 2671-2674.	1.4	10

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109	Diels-Alder Ligation of Peptides and Proteins. Chemistry - A European Journal, 2006, 12, 6095-6109.	3.3	82
110	Lipase-lipase interactions as a new tool to immobilize and modulate the lipase properties. Enzyme and Microbial Technology, 2005, 36, 447-454.	3.2	110
111	Synthesis of enantiomerically pure glycidol via a fully enantioselective lipase-catalyzed resolution. Tetrahedron: Asymmetry, 2005, 16, 869-874.	1.8	63
112	Some special features of glyoxyl supports to immobilize proteins. Enzyme and Microbial Technology, 2005, 37, 456-462.	3.2	257
113	Optimization of the modification of carrier proteins with aminated haptens. Journal of Immunological Methods, 2005, 307, 144-149.	1.4	23
114	Purification of different lipases from <i>Aspergillus niger</i> by using a highly selective adsorption on hydrophobic supports. Biotechnology and Bioengineering, 2005, 92, 773-779.	3.3	48
115	Solid-Phase Synthesis of Lipidated Peptides. Chemistry - A European Journal, 2005, 11, 7405-7415.	3.3	51
116	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
117	Different Properties of the Lipases Contained in Porcine Pancreatic Lipase Extracts as Enantioselective Biocatalysts. Biotechnology Progress, 2004, 20, 825-829.	2.6	38
118	Reversible and strong immobilization of proteins by ionic exchange on supports coated with sulfate-dextran. Biotechnology Progress, 2004, 20, 1134-1139.	2.6	82
119	Use of immobilized lipases for lipase purification via specific lipase-lipase interactions. Journal of Chromatography A, 2004, 1038, 267-273.	3.7	121
120	A new, mild cross-linking methodology to prepare cross-linked enzyme aggregates. Biotechnology and Bioengineering, 2004, 86, 273-276.	3.3	274
121	Enzymatic resolution of (Δ^{\pm})-glycidyl butyrate in aqueous media. Strong modulation of the properties of the lipase from <i>Rhizopus oryzae</i> via immobilization techniques. Tetrahedron: Asymmetry, 2004, 15, 1157-1161.	1.8	43
122	Resolution of paroxetine precursor using different lipases. Enzyme and Microbial Technology, 2004, 34, 264-269.	3.2	14
123	Improving the Activity of Lipases from Thermophilic Organisms at Mesophilic Temperatures for Biotechnology Applications. Biomacromolecules, 2004, 5, 249-254.	5.4	26
124	Epoxy-Amino Groups: A New Tool for Improved Immobilization of Proteins by the Epoxy Method. Biomacromolecules, 2003, 4, 772-777.	5.4	234
125	Modulation of <i>Mucor miehei</i> lipase properties via directed immobilization on different hetero-functional epoxy resins. Journal of Molecular Catalysis B: Enzymatic, 2003, 21, 201-210.	1.8	88
126	Self-assembly of <i>Pseudomonas fluorescens</i> lipase into bimolecular aggregates dramatically affects functional properties. Biotechnology and Bioengineering, 2003, 82, 232-237.	3.3	119

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127	Evaluation of the lipase from <i>Bacillus thermocatenulatus</i> as an enantioselective biocatalyst. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 3679-3687.	1.8	38
128	Regio-selective deprotection of peracetylated sugars via lipase hydrolysis. <i>Tetrahedron</i> , 2003, 59, 5705-5711.	1.9	61
129	Resolution of (R)-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
130	A Novel Heterofunctional Epoxy-Amino Sepabeads for a New Enzyme Immobilization Protocol: Immobilization-Stabilization of Î²-Galactosidase from <i>Aspergillus oryzae</i> . <i>Biotechnology Progress</i> , 2003, 19, 1056-1060.	2.6	77
131	General Trend of Lipase to Self-Assemble Giving Bimolecular Aggregates Greatly Modifies the Enzyme Functionality. <i>Biomacromolecules</i> , 2003, 4, 1-6.	5.4	212
132	Solid-Phase Handling of Hydrophobins: Immobilized Hydrophobins as a New Tool To Study Lipases. <i>Biomacromolecules</i> , 2003, 4, 204-210.	5.4	96
133	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
134	Modulation of the enantioselectivity of <i>Candida antarctica</i> B lipase via conformational engineering. Kinetic resolution of (R)-1-hydroxy-phenylacetic acid derivatives. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 1337-1345.	1.8	124
135	Enzymatic resolution of (R)-trans-4-(4-fluorophenyl)-6-oxo-piperidin-3-ethyl carboxylate, an intermediate in the synthesis of (S)-Paroxetine. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 2375-2381.	1.8	41
136	Enzymatic production of (3S,4R)-(R)-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
137	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.	3.2	160
138	Reversible Immobilization of Invertase on Sepabeads Coated with Polyethyleneimine: Optimization of the Biocatalyst's Stability. <i>Biotechnology Progress</i> , 2002, 18, 1221-1226.	2.6	75