# Jose M Palomo

List of Publications by Year
in descending order



| 138 | 9,951 | 57758 44 | 34986 98 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 144 | 144 | 144 | 7997 |
|---|---|---|---|
| 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 | 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 |
| 3 | 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 |
| 4 | A new, mild cross-linking methodology to prepare cross-linked enzyme aggregates. Biotechnology and Bioengineering, 2004, 86, 273-276. | 3.3 | 274 |
| 5 | Immobilization of enzymes on heterofunctional epoxy supports. Nature Protocols, 2007, 2, 1022-1033. | 12.0 | 269 |
| 6 | Some special features of glyoxyl supports to immobilize proteins. Enzyme and Microbial Technology, 2005, 37, 456-462. | 3.2 | 257 |
| 7 | Epoxy-Amino Groups:Â A New Tool for Improved Immobilization of Proteins by the Epoxy Method. Biomacromolecules, 2003, 4, 772-777. | 5.4 | 234 |
| 8 | General Trend of Lipase to Self-Assemble Giving Bimolecular Aggregates Greatly Modifies the Enzyme Functionality. Biomacromolecules, 2003, 4, 1-6. | 5.4 | 212 |
| 9 | Activation of Bacterial Thermoalkalophilic Lipases Is Spurred by Dramatic Structural Rearrangements. Journal of Biological Chemistry, 2009, 284, 4365-4372. | 3.4 | 196 |
| 10 | Interfacially activated lipases against hydrophobic supports: Effect of the support nature on the biocatalytic properties. Process Biochemistry, 2008, 43, 1061-1067. | 3.7 | 191 |
| 11 | Solid-phase peptide synthesis: an overview focused on the preparation of biologically relevant peptides. RSC Advances, 2014, 4, 32658-32672. | 3.6 | 183 |
| 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 | Synthesis of heterogeneous enzymeâ€“metal nanoparticle biohybrids in aqueous media and their applications in Câ€“C bond formation and tandem catalysis. Chemical Communications, 2013, 49, 6876. | 4.1 | 121 |
| 18 | Self-assembly ofPseudomonas fluorescenslipase into bimolecular aggregates dramatically affects functional properties. Biotechnology and Bioengineering, 2003, 82, 232-237. | 3.3 | 119 |

| # | Article | IF | Citations |
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| 19 | 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 |
| 20 | 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 |
| 21 | 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 |
| 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 | 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 |
| 25 | Cascade Reactions Catalyzed by Bionanostructures. ACS Catalysis, 2014, 4, 1588-1598. | 11.2 | 84 |
| 26 | Reversible and strong immobilization of proteins by ionic exchange on supports coated with sulfate-dextran. Biotechnology Progress, 2004, 20, 1134-1139. | 2.6 | 82 |
| 27 | Dielsâ€“Alder Ligation of Peptides and Proteins. Chemistry - A European Journal, 2006, 12, 6095-6109. | 3.3 | 82 |
| 28 | 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 |
| 29 | 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 |
| 30 | Reversible Immobilization of Invertase on Sepabeads Coated with Polyethyleneimine: Optimization of the Biocatalyst's Stability. Biotechnology Progress, 2002, 18, 1221-1226. | 2.6 | 75 |
| 31 | 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 |
| 32 | Modulation of Immobilized Lipase Enantioselectivityvia Chemical Amination. Advanced Synthesis and Catalysis, 2007, 349, 1119-1127. | 4.3 | 66 |
| 33 | 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 |
| 34 | Synthesis of enantiomerically pure glycidol via a fully enantioselective lipase-catalyzed resolution. Tetrahedron: Asymmetry, 2005, 16, 869-874. | 1.8 | 63 |
| 35 | Regio-selective deprotection of peracetylated sugars via lipase hydrolysis. Tetrahedron, 2003, 59, 5705-5711. | 1.9 | 61 |
| 36 | Nanobiohybrids: a new concept for metal nanoparticles synthesis. Chemical Communications, 2019, 55, 9583-9589. | 4.1 | 59 |

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| 37 | Biosynthesis of Metal Nanoparticles: Novel Efficient Heterogeneous Nanocatalysts. Nanomaterials, 2016, 6, 84. | 4.1 | 58 |
| 38 | 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 |
| 39 | Improvement of the enantioselectivity of lipase (fraction B) from Candida antarctica via adsorpiton on polyethylenimine-agarose under different experimental conditions. Enzyme and Microbial Technology, 2006, 39, 167-171. | 3.2 | 54 |
| 40 | Regioselective monodeprotection of peracetylated carbohydrates. Nature Protocols, 2012, 7, 1783-1796. | 12.0 | 53 |
| 41 | Solid-Phase Synthesis of Lipidated Peptides. Chemistry - A European Journal, 2005, 11, 7405-7415. | 3.3 | 51 |
| 42 | Different strategies to enhance the activity of lipase catalysts. Catalysis Science and Technology, 2012, 2, 1531. | 4.1 | 50 |
| 43 | 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 |
| 44 | Regioselective Hydrolysis of Different Peracetylated Î²â€Monosaccharides by Immobilized Lipases from Different Sources. Key Role of The Immobilization. Advanced Synthesis and Catalysis, 2007, 349, 1969-1976. | 4.3 | 45 |
| 45 | 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 |
| 46 | 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 |
| 47 | 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 |
| 48 | 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 |
| 49 | Dielsâ€“Alder Cycloaddition in Protein Chemistry. European Journal of Organic Chemistry, 2010, 2010, 6303-6314. | 2.4 | 42 |
| 50 | 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 |
| 51 | Enhanced activity of an immobilized lipase promoted by site-directed chemical modification with polymers. Process Biochemistry, 2010, 45, 534-541. | 3.7 | 41 |
| 52 | Evaluation of the lipase from Bacillus thermocatenulatus as an enantioselective biocatalyst. Tetrahedron: Asymmetry, 2003, 14, 3679-3687. | 1.8 | 38 |
| 53 | Different Properties of the Lipases Contained in Porcine Pancreatic Lipase Extracts as Enantioselective Biocatalysts. Biotechnology Progress, 2004, 20, 825-829. | 2.6 | 38 |
| 54 | Preparation of an Immobilized Lipaseâ€Palladium Artificial Metalloenzyme as Catalyst in the Heck Reaction: Role of the Solid Phase. Advanced Synthesis and Catalysis, 2015, 357, 2687-2696. | 4.3 | 37 |

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| 55 | 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 |
| 56 | Click reactions in protein chemistry: from the preparation of semisynthetic enzymes to new click enzymes. Organic and Biomolecular Chemistry, 2012, 10, 9309. | 2.8 | 35 |
| 57 | Chemo-biocatalytic regioselective one-pot synthesis of different deprotected monosaccharides. Catalysis Today, 2009, 140, 11-18. | 4.4 | 34 |
| 58 | Recent Advances in Enzymatic and Chemoenzymatic Cascade Processes. Catalysts, 2020, 10, 1258. | 3.5 | 34 |
| 59 | Iron nanostructured catalysts: design and applications. Catalysis Science and Technology, 2018, 8, 1754-1776. | 4.1 | 33 |
| 60 | 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 |
| 61 | Highly enantioselective biocatalysts by coating immobilized lipases with polyethyleneimine. Catalysis Communications, 2010, 11, 964-967. | 3.3 | 31 |
| 62 | Semisynthetic peptideâ€“lipase conjugates for improved biotransformations. Chemical Communications, 2012, 48, 9053. | 4.1 | 31 |
| 63 | New emerging bio-catalysts design in biotransformations. Biotechnology Advances, 2015, 33, 605-613. | 11.7 | 31 |
| 64 | 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 |
| 65 | 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 |
| 66 | Enzyme Surface Glycosylation in the Solid Phase: Improved Activity and Selectivity of Candida Antarctica Lipase B. ChemCatChem, 2011, 3, 1902-1910. | 3.7 | 29 |
| 67 | Improving the Activity of Lipases from Thermophilic Organisms at Mesophilic Temperatures for Biotechnology Applications. Biomacromolecules, 2004, 5, 249-254. | 5.4 | 26 |
| 68 | Preparation of linear oligosaccharides by a simple monoprotective chemo-enzymatic approach. Tetrahedron, 2008, 64, 9286-9292. | 1.9 | 26 |
| 69 | Highly selective purification of three lipases from Geotrichum candidum 4013 and their characterization and biotechnological applications. Journal of Molecular Catalysis B: Enzymatic, 2013, 98, 62-72. | 1.8 | 26 |
| 70 | Palladium nanoparticles enzyme aggregate (PANEA) as efficient catalyst for Suzukiâ€“Miyaura reaction in aqueous media. Enzyme and Microbial Technology, 2016, 95, 242-247. | 3.2 | 26 |
| 71 | Tailorable synthesis of heterogeneous enzymeâ€“copper nanobiohybrids and their application in the selective oxidation of benzene to phenol. Catalysis Science and Technology, 2020, 10, 196-206. | 4.1 | 25 |
| 72 | Single-step purification of different lipases from Staphylococcus warneri. Journal of Chromatography A, 2010, 1217, 473-478. | 3.7 | 24 |

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| 73 | Optimization of the modification of carrier proteins with aminated haptens. Journal of Immunological Methods, 2005, 307, 144-149. | 1.4 | 23 |
| 74 | Immobilized Heterologous Rhizopus Oryzae Lipase as an Efficient Catalyst in the Acetylation of Cortexolone. European Journal of Organic Chemistry, 2012, 2012, 4306-4312. | 2.4 | 23 |
| 75 | Enantioselective desymmetrization of prochiral diesters catalyzed by immobilized Rhizopus oryzae lipase. Tetrahedron: Asymmetry, 2011, 22, 2080-2084. | 1.8 | 22 |
| 76 | 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 |
| 77 | Enzyme/Nanocopper Hybrid Nanozymes: Modulating Enzyme-like Activity by the Protein Structure for Biosensing and Tumor Catalytic Therapy. ACS Applied Materials & Interfaces, 2021, 13, 5111-5124. | 8.0 | 22 |
| 78 | Covalent Immobilization of Candida rugosa Lipase at Alkaline pH and Their Application in the Regioselective Deprotection of Per-O-acetylated Thymidine. Catalysts, 2016, 6, 115. | 3.5 | 21 |
| 79 | Synthesis of a superparamagnetic ultrathin FeCO3 nanorodsâ€“enzyme bionanohybrid as a novel heterogeneous catalyst. Chemical Communications, 2018, 54, 6256-6259. | 4.1 | 21 |
| 80 | Regioselective monohydrolysis of per-O-acetylated-1-substituted-Î²-glucopyranosides catalyzed by immobilized lipases. Tetrahedron, 2008, 64, 10721-10727. | 1.9 | 19 |
| 81 | 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 |
| 82 | trans,trans-2,4-Hexadiene incorporation on enzymes for site-specific immobilization and fluorescent labeling. Organic and Biomolecular Chemistry, 2011, 9, 5535. | 2.8 | 19 |
| 83 | Site-selective modification of tryptophan and protein tryptophan residues through PdNP bionanohybrid-catalysed Câ€“H activation in aqueous media. Chemical Communications, 2019, 55, 12928-12931. | 4.1 | 19 |
| 84 | Arylative Allenol Cyclization via Sequential Oneâ€pot Enzyme & Palladium Catalysis. ChemCatChem, 2021, 13, 763-769. | 3.7 | 19 |
| 85 | Unusual enzymatic resolution of (Â±)-glycidyl-butyrate for the production of (S)-glycidyl derivatives. Enzyme and Microbial Technology, 2006, 38, 429-435. | 3.2 | 18 |
| 86 | Asymmetric hydrolysis of dimethyl 3-phenylglutarate catalyzed by Lecitase UltraÂ®. Enzyme and Microbial Technology, 2008, 43, 531-536. | 3.2 | 18 |
| 87 | Different derivatives of a lipase display different regioselectivity in the monohydrolysis of per-O-acetylated 1-O-substituted-Î²-galactopyranosides. Journal of Molecular Catalysis B: Enzymatic, 2009, 58, 36-40. | 1.8 | 18 |
| 88 | Monosaccharide derivatives as central scaffolds in the synthesis of glycosylated drugs. RSC Advances, 2012, 2, 1729. | 3.6 | 18 |
| 89 | Combining enzymes and organometallic complexes: novel artificial metalloenzymes and hybrid systems for Câ€“H activation chemistry. Organic and Biomolecular Chemistry, 2019, 17, 7114-7123. | 2.8 | 17 |
| 90 | Synthesis of silver and gold nanoparticlesâ€“enzymeâ€“polymer conjugate hybrids as dual-activity catalysts for chemoenzymatic cascade reactions. Nanoscale, 2022, 14, 5701-5715. | 5.6 | 17 |

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| 91 | 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 |
| 92 | Effect of ionic liquids as additives in the catalytic properties of different immobilized preparations of Rhizomucor miehei lipase in the hydrolysis of peracetylated lactal. Green Chemistry, 2010, 12, 1365. | 9.0 | 16 |
| 93 | Artificial enzymes with multiple active sites. Current Opinion in Green and Sustainable Chemistry, 2021, 29, 100452. | 5.9 | 16 |
| 94 | Adsorption Behavior of Bovine Serum Albumin on Lowly Activated Anionic Exchangers Suggests a New Strategy for Solid-Phase Proteomics. Biomacromolecules, 2006, 7, 1357-1361. | 5.4 | 15 |
| 95 | Oriented irreversible immobilization of a glycosylated Candida antarctica B lipase on heterofunctional organoborane-aldehyde support. Catalysis Science and Technology, 2011, 1, 260. | 4.1 | 15 |
| 96 | Resolution of paroxetine precursor using different lipases. Enzyme and Microbial Technology, 2004, 34, 264-269. | 3.2 | 14 |
| 97 | Ultra-Small Pd(0) Nanoparticles into a Designed Semisynthetic Lipase: An Efficient and Recyclable Heterogeneous Biohybrid Catalyst for the Heck Reaction under Mild Conditions. Molecules, 2018, 23, 2358. | 3.8 | 14 |
| 98 | Palladium-Nanoparticles Biohybrids in Applied Chemistry. Applied Nano, 2021, 2, 1-13. | 2.0 | 14 |
| 99 | Novel enzyme-polymer conjugates for biotechnological applications. PeerJ, 2013, 1, e27. | 2.0 | 14 |
| 100 | New Tailor-Made Alkyl-Aldehyde Bifunctional Supports for Lipase Immobilization. Catalysts, 2016, 6, 191. | 3.5 | 13 |
| 101 | Pd Nanoparticlesâ€Polyethylenemineâ€Lipase Bionanohybrids as Heterogeneous Catalysts for Selective Oxidation of Aromatic Alcohols. ChemCatChem, 2018, 10, 4992-4999. | 3.7 | 13 |
| 102 | New Advances in Fabrication of Graphene Glyconanomaterials for Application in Therapy and Diagnosis. ACS Omega, 2020, 5, 4362-4369. | 3.5 | 13 |
| 103 | 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 |
| 104 | Screening of lipases for regioselective hydrolysis of peracetylated Î²-monosaccharides. Journal of Molecular Catalysis B: Enzymatic, 2007, 49, 12-17. | 1.8 | 12 |
| 105 | Efficient purification of a highly active H-subunit of tyrosinase from Agaricus bisporus. Protein Expression and Purification, 2018, 145, 64-70. | 1.3 | 12 |
| 106 | The enzyme-induced formation of iron hybrid nanostructures with different morphologies. Nanoscale, 2020, 12, 12917-12927. | 5.6 | 12 |
| 107 | Fast Degradation of Bisphenol A in Water by Nanostructured CuNPs@CALB Biohybrid Catalysts. Nanomaterials, 2020, 10, 7. | 4.1 | 11 |
| 108 | Cascade Catalysis Through Bifunctional Lipase Metal Biohybrids for the Synthesis of Enantioenriched Oâ€Heterocycles from Allenes. ChemCatChem, 2022, 14, . | 3.7 | 11 |

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| 109 | Solid-phase synthesis of palmitoylated and farnesylated lipopeptides employing the fluoride-labile PTMSEL linker. Tetrahedron Letters, 2006, 47, 2671-2674. | 1.4 | 10 |
| 110 | Lipaseâ€Catalyzed Regioselective Oneâ€Step Synthesis of Pentaâ€Oâ€acetylâ€3â€hydroxylactal. European Journal of Organic Chemistry, 2009, 2009, 3327-3329. | 2.4 | 10 |
| 111 | Low ionic liquid concentration in water: a green and simple approach to improve activity and selectivity of lipases. RSC Advances, 2014, 4, 49115-49122. | 3.6 | 10 |
| 112 | Enzyme-catalyzed preparation of chenodeoxycholic esters by an immobilized heterologous Rhizopus oryzae lipase. Journal of Molecular Catalysis B: Enzymatic, 2015, 118, 36-42. | 1.8 | 10 |
| 113 | Effect of Siteâ€Specific Peptideâ€Tag Labeling on the Biocatalytic Properties of Thermoalkalophilic Lipase from Geobacillus thermocatenulatus. ChemBioChem, 2018, 19, 369-378. | 2.6 | 10 |
| 114 | Highly accessible aqueous synthesis of well-dispersed dendrimer type platinum nanoparticles and their catalytic applications. Nano Research, 2019, 12, 1083-1092. | 10.4 | 10 |
| 115 | Pd-Oxazolone complexes conjugated to an engineered enzyme: improving fluorescence and catalytic properties. Organic and Biomolecular Chemistry, 2021, 19, 2773-2783. | 2.8 | 10 |
| 116 | Asymmetric hydrolysis of dimethyl phenylmalonate by immobilized penicillin G acylase from E. coli. Enzyme and Microbial Technology, 2007, 40, 997-1000. | 3.2 | 9 |
| 117 | Ultra-Fast Degradation of p-Aminophenol by a Nanostructured Iron Catalyst. Molecules, 2018, 23, 2166. | 3.8 | 9 |
| 118 | Microbial lipase: a new approach for a heterogeneous biocatalyst. Preparative Biochemistry and Biotechnology, 2021, 51, 749-760. | 1.9 | 9 |
| 119 | Design of Heterogeneous Hoveydaâ€“Grubbs Second-Generation Catalystâ€“Lipase Conjugates. Molecules, 2016, 21, 1680. | 3.8 | 8 |
| 120 | Specific chemical incorporation of l-DOPA and functionalized l-DOPA-hyaluronic acid in Candida antarctica lipase: creating potential mussel-inspired bioadhesives. SN Applied Sciences, 2020, 2, 1. | 2.9 | 8 |
| 121 | Synthetic complexity created by lipases. Nature Catalysis, 2020, 3, 335-336. | 34.4 | 6 |
| 122 | High Degradation of Trichloroethylene in Water by Nanostructured MeNPs@CALB Biohybrid Catalysts. Catalysts, 2020, 10, 753. | 3.5 | 6 |
| 123 | Efficient Production of Multi-Layer Graphene from Graphite Flakes in Water by Lipase-Graphene Sheets Conjugation. Nanomaterials, 2019, 9, 1344. | 4.1 | 5 |
| 124 | Chemical Modification of Novel Glycosidases from Lactobacillus plantarum Using Hyaluronic Acid: Effects on High Specificity against 6-Phosphate Glucopyranoside. Coatings, 2019, 9, 311. | 2.6 | 5 |
| 125 | Direct Synthesis of Phenols from Phenylboronic Acids in Aqueous Media Catalyzed by a Cu(0)â€Nanoparticles Biohybrid. ChemistrySelect, 2020, 5, 7492-7496. | 1.5 | 5 |
| 126 | Palladium Nanocatalysts for Cascade Câ^'N Crossâ€Coupling/Heck Reaction. Asian Journal of Organic Chemistry, 2021, 10, 872-878. | 2.7 | 5 |

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| 127 | Glyconanomaterials for Human Virus Detection and Inhibition. Nanomaterials, 2021, 11, 1684. | 4.1 | 5 |
| 128 | Efficient and green approach for the complete deprotection of O-acetylated biomolecules. RSC Advances, 2016, 6, 88974-88978. | 3.6 | 4 |
| 129 | In Vitro Antiviral Activity of Tyrosinase from Mushroom Agaricus bisporus against Hepatitis C Virus. Pharmaceuticals, 2021, 14, 759. | 3.8 | 4 |
| 130 | Escherichia coli LacZ Î²-galactosidase inhibition by monohydroxy acetylated glycopyranosides: Role of the acetyl groups. Journal of Molecular Catalysis B: Enzymatic, 2014, 107, 31-38. | 1.8 | 3 |
| 131 | Biocatalytic Process Optimization for the Production of Highâ€Addedâ€Value 6â€Oâ€Hydroxy and 3â€Oâ€Hydroxy Glycosyl Building Blocks. ChemCatChem, 2017, 9, 2536-2543. | 3.7 | 3 |
| 132 | Solid-surface activated recombinant Rhizopous oryzae lipase expressed in Pichia pastoris and chemically modified variants as efficient catalysts in the synthesis of hydroxy monodeprotected glycals. Catalysis Science and Technology, 2017, 7, 1766-1775. | 4.1 | 3 |
| 133 | Regioselective Palmitoylation of 9-(2,3-Dihydroxy- propyl)adenine Catalyzed by a Glycopolymer-enzyme Conjugate. Molecules, 2016, 21, 648. | 3.8 | 2 |
| 134 | Semisynthetic Enzymes by Proteinâ€“Peptide Site-Directed Covalent Conjugation. Methods in Enzymology, 2017, 590, 305-316. | 1.0 | 0 |
| 135 | Asymmetric and Selective Biocatalysis. Catalysts, 2018, 8, 588. | 3.5 | 0 |
| 136 | Geranyl Functionalized Materials for Site-Specific Co-Immobilization of Proteins. Molecules, 2021, 26, 3028. | 3.8 | 0 |
| 137 | Special Issue â€œBiocatalysts: Design and Applicationâ€• Catalysts, 2021, 11, 778. | 3.5 | 0 |
| 138 | Functional Glyconanomaterials. Nanomaterials, 2021, 11, 2482. | 4.1 | 0 |