Vicente Gotor-FernÃ¡ndez

List of Publications by Year
in descending order

148	4,776	94433 37	128289 60
papers	citations	h-index	g-index

179	179	179	4169
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Candida antarctica Lipase B: An Ideal Biocatalyst for the Preparation of Nitrogenated Organic Compounds. Advanced Synthesis and Catalysis, 2006, 348, 797-812.	4.3	341
2	Lipases: Useful biocatalysts for the preparation of pharmaceuticals. Journal of Molecular Catalysis B: Enzymatic, 2006, 40, 111-120.	1.8	311
3	Hydrolases: catalytically promiscuous enzymes for non-conventional reactions in organic synthesis. Chemical Society Reviews, 2010, 39, 4504.	38.1	267
4	Mimicking Nature: Synthetic Nicotinamide Cofactors for Câ•€ Bioreduction Using Enoate Reductases. Organic Letters, 2013, 15, 180-183.	4.6	155
5	Hydrolases in the Stereoselective Synthesis of N-Heterocyclic Amines and Amino Acid Derivatives. Chemical Reviews, 2011, 111, 3998-4035.	47.7	126
6	Directed Evolution of an Amine Oxidase for the Preparative Deracemisation of Cyclic Secondary Amines. ChemBioChem, 2005, 6, 637-639.	2.6	121
7	Deep eutectic solvents for redox biocatalysis. Journal of Biotechnology, 2019, 293, 24-35.	3.8	120
8	Recent Advances in Biocatalytic Promiscuity: Hydrolaseâ€Catalyzed Reactions for Nonconventional Transformations. Chemical Record, 2015, 15, 743-759.	5.8	83
9	Transaminases Applied to the Synthesis of High Added-Value Enantiopure Amines. Organic Process Research and Development, 2014, 18, 788-792.	2.7	78
10	Enzymatic Aminolysis and Ammonolysis Processes in the Preparation of Chiral Nitrogenated Compounds. Current Organic Chemistry, 2006, 10, 1125-1143.	1.6	72
11	From Diols to Lactones under Aerobic Conditions using a Laccase/TEMPO Catalytic System in Aqueous Medium. Advanced Synthesis and Catalysis, 2012, 354, 3405-3408.	4.3	72
12	Stereoselective amination of racemic sec-alcohols through sequential application of laccases and transaminases. Green Chemistry, 2017, 19, 474-480.	9.0	66
13	Asymmetric Chemoenzymatic Synthesis of Miconazole and Econazole Enantiomers. The Importance of Chirality in Their Biological Evaluation. Journal of Organic Chemistry, 2011, 76, 2115-2122.	3.2	65
14	Stereoselective biocatalysis: A mature technology for the asymmetric synthesis of pharmaceutical building blocks. Biocatalysis and Biotransformation, 2018, 36, 102-130.	2.0	59
15	Application of Deep Eutectic Solvents in Promiscuous Lipaseâ€Catalysed Aldol Reactions. European Journal of Organic Chemistry, 2016, 2016, 1513-1519.	2.4	58
16	A Ferromagnetic [Cu₃(OH)₂]⁴⁺ Cluster Formed inside a Tritopic Nonaazapyridinophane: Crystal Structure and Solution Studies. Angewandte Chemie - International Edition, 2009, 48, 6055-6058.	13.8	56
17	Chemoenzymatic Synthesis of Rivastigmine Based on Lipase-Catalyzed Processes. Journal of Organic Chemistry, 2009, 74, 5304-5310.	3.2	56
18	Performance of Recombinantâ€Wholeâ€Cellâ€Catalyzed Reductions in Deepâ€Eutecticâ€Solventâ€“Aqueousâ€Media Mixtures. ChemCatChem, 2015, 7, 2654-2659.	3.7	53

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19	Chemoenzymatic preparation of optically active secondary amines: a new efficient route to enantiomerically pure indolines. Tetrahedron: Asymmetry, 2006, 17, 2558-2564.	1.8	52
20	Protein-Mediated Nitroaldol Addition in Aqueous Media. Catalytic Promiscuity or Unspecific Catalysis?. Organic Process Research and Development, 2011, 15, 236-240.	2.7	52
21	Study of the Chemoselectivity in the Aminolysis Reaction of Methyl Acrylate Catalysed by Lipase B fromCandida antarctica. Advanced Synthesis and Catalysis, 2005, 347, 1007-1014.	4.3	51
22	Lipase-catalyzed resolution of chiral 1,3-amino alcohols: application in the asymmetric synthesis of (S)-dapoxetine. Tetrahedron: Asymmetry, 2006, 17, 860-866.	1.8	51
23	Enantioselective Synthesis of 4-(Dimethylamino)pyridines through a Chemical Oxidation-Enzymatic Reduction Sequence. Application in Asymmetric Catalysis. Advanced Synthesis and Catalysis, 2006, 348, 2626-2632.	4.3	51
24	Use of Protease from Bacillus licheniformis as Promiscuous Catalyst for Organic Synthesis: Applications in Cï£¿C and Cï£¿N Bond Formation Reactions. Advanced Synthesis and Catalysis, 2011, 353, 2345-2353.	4.3	50
25	From Salts to Ionic Liquids by Systematic Structural Modifications: A Rational Approach Towards the Efficient Modular Synthesis of Enantiopure Imidazolium Salts. Chemistry - A European Journal, 2010, 16, 836-847.	3.3	49
26	Butâ€2â€eneâ€1,4â€diamine and Butâ€2â€eneâ€1,4â€diol as Donors for Thermodynamically Favored Transaminaseâ€•and Alcohol Dehydrogenaseâ€Catalyzed Processes. Advanced Synthesis and Catalysis, 2016, 358, 1618-1624.	4.3	49
27	Structures of Alcohol Dehydrogenases from Ralstonia and Sphingobium spp. Reveal the Molecular Basis for Their Recognition of â€˜Bulkyâ€“Bulkyâ€™ Ketones. Topics in Catalysis, 2014, 57, 356-365.	2.8	48
28	Laccase/TEMPO-mediated system for the thermodynamically disfavored oxidation of 2,2-dihalo-1-phenylethanol derivatives. Green Chemistry, 2014, 16, 2448.	9.0	48
29	Polymeric imidazolium ionic liquids as valuable stationary phases in gas chromatography: Chemical synthesis and full characterization. Analytica Chimica Acta, 2012, 721, 173-181.	5.4	46
30	Escherichiaâ€…coli/ADHâ€A: An Allâ€Inclusive Catalyst for the Selective Biooxidation and Deracemisation of Secondary Alcohols. ChemCatChem, 2013, 5, 3875-3881.	3.7	46
31	Straightforward Synthesis of Enantiopure 2,3-Dihydrobenzofurans by a Sequential Stereoselective Biotransformation and Chemical Intramolecular Cyclization. Organic Letters, 2010, 12, 3498-3501.	4.6	44
32	Asymmetric Chemoenzymatic Synthesis of Ramatroban Using Lipases and Oxidoreductases. Journal of Organic Chemistry, 2012, 77, 4842-4848.	3.2	44
33	Laccase/2,2,6,6â€Tetramethylpiperidinoxyl Radical (TEMPO): An Efficient Catalytic System for Selective Oxidations of Primary Hydroxy and Amino Groups in Aqueous and Biphasic Media. Advanced Synthesis and Catalysis, 2014, 356, 2321-2329.	4.3	42
34	Cutting Short the Asymmetric Synthesis of the Ramatroban Precursor by Employing Ï‰â€Transaminases. Advanced Synthesis and Catalysis, 2014, 356, 1937-1942.	4.3	40
35	Chemoenzymatic epoxidation of alkenes based on peracid formation by a Rhizomucor miehei lipase-catalyzed perhydrolysis reaction. Tetrahedron, 2014, 70, 1144-1148.	1.9	39
36	Highly Stereoselective Chemoenzymatic Synthesis of the 3H-Isobenzofuran Skeleton. Access to Enantiopure 3-Methylphthalides. Organic Letters, 2012, 14, 1444-1447.	4.6	38

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37	One-Pot Synthesis of Enantiopure 3,4-Dihydroisocoumarins through Dynamic Reductive Kinetic Resolution Processes. Organic Letters, 2013, 15, 3872-3875.	4.6	38
38	Bioreduction of aromatic aldehydes and ketones by fruitsâ€™ barks of Passiflora edulis. Journal of Molecular Catalysis B: Enzymatic, 2008, 54, 130-133.	1.8	37
39	Deracemisation of profenol core by combining laccase/TEMPO-mediated oxidation and alcohol dehydrogenase-catalysed dynamic kinetic resolution. Catalysis Science and Technology, 2015, 5, 1443-1446.	4.1	37
40	A designer natural deep eutectic solvent to recycle the cofactor in alcohol dehydrogenase-catalysed processes. Green Chemistry, 2019, 21, 2946-2951.	9.0	37
41	Stereoselective Synthesis of 2,3-Disubstituted Indoline Diastereoisomers by Chemoenzymatic Processes. Journal of Organic Chemistry, 2012, 77, 8049-8055.	3.2	35
42	Enzymatic Desymmetrization of Prochiral 2-Substituted-1,3-Diamines: Preparation of Valuable Nitrogenated Compounds. Journal of Organic Chemistry, 2009, 74, 2571-2574.	3.2	34
43	Conversion of Î³â€•and Îˊâ€Keto Esters into Optically Active Lactams. Transaminases in Cascade Processes. Advanced Synthesis and Catalysis, 2018, 360, 686-695.	4.3	34
44	Straightforward preparation of biologically active 1-aryl- and 1-heteroarylpropan-2-amines in enantioenriched form. Organic and Biomolecular Chemistry, 2011, 9, 2274.	2.8	33
45	A Simple Helical Macrocyclic Polyazapyridinophane as a Stereoselective Receptor of Biologically Important Dicarboxylates under Physiological Conditions. Journal of Organic Chemistry, 2008, 73, 374-382.	3.2	30
46	Stereoselective Chemoenzymatic Synthesis of Enantiopure 2-(1H-imidazol-yl)cycloalkanols under Continuous Flow Conditions. ACS Catalysis, 2012, 2, 1976-1983.	11.2	28
47	Dynamic Kinetic Resolution of 1,3-Dihydro-2H-isoindole-1-carboxylic Acid Methyl Ester: Asymmetric Transformations toward Isoindoline Carbamates. Organic Letters, 2012, 14, 1696-1699.	4.6	28
48	Enzymatic Preparation of Novel Aminoalkylpyridines using Lipases in Organic Solvents. Advanced Synthesis and Catalysis, 2007, 349, 1481-1488.	4.3	27
49	Simple and straightforward synthesis of novel enantiopure ionic liquids via efficient enzymatic resolution of (Â±)-2-(1H-imidazol-1-yl)cyclohexanol. Tetrahedron Letters, 2007, 48, 5251-5254.	1.4	27
50	Lentinus strigellus: a new versatile stereoselective biocatalyst for the bioreduction of prochiral ketones. Tetrahedron: Asymmetry, 2009, 20, 1057-1061.	1.8	27
51	Optically active macrocyclic hexaazapyridinophanes decorated at the periphery: synthesis and applications in the NMR enantiodiscrimination of carboxylic acids. Tetrahedron, 2010, 66, 6070-6077.	1.9	27
52	Reduction processes biocatalyzed by Vigna unguiculata. Tetrahedron: Asymmetry, 2010, 21, 566-570.	1.8	27
53	Asymmetric Synthesis of Primary and Secondary Î²â€Fluoroâ€arylamines using Reductive Aminases from Fungi. ChemCatChem, 2020, 12, 2421-2425.	3.7	27
54	Expanding the regioselective enzymatic repertoire: oxidative mono-cleavage of dialkenes catalyzed by Trametes hirsuta. Chemical Communications, 2012, 48, 3303.	4.1	26

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55	Chemoenzymatic Deracemization of Secondary Alcohols by using a TEMPOâ€“Iodineâ€“Alcohol Dehydrogenase System. ChemCatChem, 2015, 7, 4016-4020.	3.7	26
56	Hydrolases in Organic Chemistry. Recent Achievements in the Synthesis of Pharmaceuticals. Current Organic Chemistry, 2016, 20, 1186-1203.	1.6	26
57	1Î±,25-Dihydroxyvitamin D3A-Ring Precursors:Â Studies on Regioselective Enzymatic Alkoxycarbonylation Reactions of Their Stereoisomers. Chemoenzymatic Synthesis of A-Ring Synthon Carbamate Derivatives, Including Carbazates and Polyamino Carbamates. Journal of Organic Chemistry, 1999, 64, 7504-7510.	3.2	25
58	First Desymmetrization of 1,3-Propanediamine Derivatives in Organic Solvent. Development of a New Route for the Preparation of Optically Active Amines. Organic Letters, 2007, 9, 4203-4206.	4.6	25
59	Evaluation of new ionic liquids as high stability selective stationary phases in gas chromatography. Analytical and Bioanalytical Chemistry, 2011, 400, 1209-1216.	3.7	25
60	Influence of the Nucleophile on the Candida antarctica Lipase Bâ€Catalysed Resolution of a Chiral Acyl Donor. ChemBioChem, 2009, 10, 1830-1838.	2.6	24
61	Câ€“C Bond formation catalyzed by natural gelatin and collagen proteins. Beilstein Journal of Organic Chemistry, 2013, 9, 1111-1118.	2.2	23
62	Biocatalytic preparation of optically active 4-(N,N-dimethylamino)pyridines for application in chemical asymmetric catalysis. Tetrahedron: Asymmetry, 2006, 17, 1007-1016.	1.8	22
63	Efficient access to enantiomerically pure cyclic Î±-amino esters through a lipase-catalyzed kinetic resolution. Tetrahedron: Asymmetry, 2008, 19, 1714-1719.	1.8	22
64	Stereoselective Chemoenzymatic Preparation of Î²â€Amino Esters: Molecular Modelling Considerations in Lipaseâ€Mediated Processes and Application to the Synthesis of (S)â€Dapoxetine. Advanced Synthesis and Catalysis, 2010, 352, 395-406.	4.3	22
65	Alcohol Dehydrogenases and Nâ€Heterocyclic Carbene Gold(I) Catalysts: Design of a Chemoenzymatic Cascade towards Optically Active Î²,Î²â€Disubstituted Allylic Alcohols. Angewandte Chemie - International Edition, 2021, 60, 13945-13951.	13.8	22
66	Mild Chemoenzymatic Oxidation of Allylic sec-Alcohols. Application to Biocatalytic Stereoselective Redox Isomerizations. ACS Catalysis, 2018, 8, 2413-2419.	11.2	21
67	What to sacrifice? Fusions of cofactor regenerating enzymes with Baeyer-Villiger monooxygenases and alcohol dehydrogenases for self-sufficient redox biocatalysis. Tetrahedron, 2019, 75, 1832-1839.	1.9	21
68	Laccaseâ€mediated Oxidations of Propargylic Alcohols. Application in the Deracemization of 1â€arylpropâ€2â€ynâ€1â€ols in Combination with Alcohol Dehydrogenases. ChemCatChem, 2020, 12, 520-527.	3.7	21
69	Immobilized Manihot esculenta preparation as a novel biocatalyst in the enantioselective acetylation of racemic alcohols. Tetrahedron: Asymmetry, 2008, 19, 1419-1424.	1.8	20
70	Enantiopure Triazolium Salts: Chemoenzymatic Synthesis and Applications in Organocatalysis. ChemCatChem, 2011, 3, 1921-1928.	3.7	20
71	Characterization of hexacationic imidazolium ionic liquids as effective and highly stable gas chromatography stationary phases. Journal of Separation Science, 2012, 35, 273-279.	2.5	20
72	Biocatalytic Transamination for the Asymmetric Synthesis of Pyridylalkylamines. Structural and Activity Features in the Reactivity of Transaminases. ACS Catalysis, 2016, 6, 4003-4009.	11.2	20

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73	Asymmetric Biocatalytic Synthesis of Fluorinated Pyridines through Transesterification or Transamination: Computational Insights into the Reactivity of Transaminases. Advanced Synthesis and Catalysis, 2017, 359, 279-291.	4.3	20
74	Stereoselective Synthesis of 1â€Arylpropanâ€2â€amines from Allylbenzenes through a Wackerâ€Tsuji Oxidationâ€Biotransamination Sequential Process. Advanced Synthesis and Catalysis, 2019, 361, 2582-2593.	4.3	20
75	Unmasking the Hidden Carbonyl Group Using Gold(I) Catalysts and Alcohol Dehydrogenases: Design of a Thermodynamically-Driven Cascade toward Optically Active Halohydrins. ACS Catalysis, 2022, 12, 2552-2560.	11.2	20
76	Analysis of beer volatiles by polymeric imidazolium-solid phase microextraction coatings: Synthesis and characterization of polymeric imidazolium ionic liquids. Journal of Chromatography A, 2013, 1305, 35-40.	3.7	19
77	Expanding the Scope of Alcohol Dehydrogenases towards Bulkier Substrates: Stereoâ€and Enantiopreference for Î±,Î±â€Dihalogenated Ketones. ChemCatChem, 2014, 6, 1066-1072.	3.7	19
78	Synthesis of Optically Active Heterocyclic Compounds by Preparation of 1,3â€Dinitro Derivatives and Enzymatic Enantioselective Desymmetrization of Prochiral Diamines. European Journal of Organic Chemistry, 2010, 2010, 484-493.	2.4	18
79	Chemoenzymatic Asymmetric Synthesis of 1,4-Benzoxazine Derivatives: Application in the Synthesis of a Levofloxacin Precursor. Journal of Organic Chemistry, 2015, 80, 3815-3824.	3.2	18
80	CAL-B-Catalyzed Alkoxycarbonylation of A-Ring Stereoisomeric Synthons of 1Î±,25-Dihydroxyvitamin D3and 1Î±,25-Dihydroxy-19-nor-previtamin D3:Â A Comparative Study. First Regioselective Chemoenzymatic Synthesis of 19-nor-A-Ring Carbonates. Journal of Organic Chemistry, 2001, 66, 4227-4232.	3.2	17
81	Chemoenzymatic synthesis of chiral 4-(N,N-dimethylamino)pyridine derivatives. Tetrahedron: Asymmetry, 2005, 16, 3427-3435.	1.8	17
82	Enzymatic resolution of hindered cyanohydrins, key precursors of muscarinic receptor antagonists. Tetrahedron: Asymmetry, 2007, 18, 994-1002.	1.8	17
83	Complementary Lipase-Mediated Desymmetrization Processes of 3-Aryl-1,5-Disubstituted Fragments. Enantiopure Synthetic Valuable Carboxylic Acid Derivatives. Journal of Organic Chemistry, 2011, 76, 811-819.	3.2	17
84	Enzymatic regioselective production of chloramphenicol esters. Tetrahedron, 2011, 67, 2858-2862.	1.9	17
85	Lactonization reactions through hydrolase-catalyzed peracid formation. Use of lipases for chemoenzymatic Baeyerâ€“Villiger oxidations of cyclobutanones. Journal of Molecular Catalysis B: Enzymatic, 2015, 114, 31-36.	1.8	17
86	Sequential Twoâ€Step Stereoselective Amination of Allylic Alcohols through the Combination of Laccases and Amine Transaminases. ChemBioChem, 2020, 21, 200-211.	2.6	17
87	Chemoenzymatic Asymmetric Synthesis of Optically Active Pentane-1,5-diamine Fragments by Means of Lipase-Catalyzed Desymmetrization Transformations. Journal of Organic Chemistry, 2011, 76, 5709-5718.	3.2	16
88	Markovnikov Wackerâ€Tsuji Oxidation of Allyl(hetero)arenes and Application in a Oneâ€Pot Photoâ€Metalâ€Biocatalytic Approach to Enantioenriched Amines and Alcohols. Advanced Synthesis and Catalysis, 2021, 363, 4096-4108.	4.3	16
89	Development of a chemoenzymatic strategy for the synthesis of optically active and orthogonally protected polyamines. Tetrahedron, 2009, 65, 8393-8401.	1.9	15
90	Candida tropicalis CE017: a new Brazilian enzymatic source for the bioreduction of aromatic prochiral ketones. Journal of the Brazilian Chemical Society, 2010, 21, 1509-1516.	0.6	15

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91	Enantioselective Preparation of Î´â€Valerolactones with Horse Liver Alcohol Dehydrogenase. ChemCatChem, 2014, 6, 977-980.	3.7	15
92	Chemoenzymatic Synthesis of an Odanacatib Precursor through a Suzukiâ€Miyaura Crossâ€Coupling and Bioreduction Sequence. ChemCatChem, 2019, 11, 5800-5807.	3.7	15
93	Synthesis of Î±â€Alkylâ€Î²â€Hydroxy Amides through Biocatalytic Dynamic Kinetic Resolution Employing Alcohol Dehydrogenases. Advanced Synthesis and Catalysis, 2019, 361, 2706-2712.	4.3	15
94	Biocatalytic preparation of enantioenriched 3,4-dihydroxypiperidines and theoretical study of Candida antarctica lipase B enantioselectivity. Tetrahedron, 2006, 62, 3284-3291.	1.9	14
95	Stereoselective Chemoenzymatic Synthesis of Enantiopure 1â€(Heteroaryl)ethanamines by Lipaseâ€Catalysed Kinetic Resolutions. European Journal of Organic Chemistry, 2009, 2009, 2533-2538.	2.4	14
96	Broadening the chemical scope of laccases: selective deprotection of N-benzyl groups. Green Chemistry, 2015, 17, 2794-2798.	9.0	14
97	Enantioselective acetylation of racemic alcohols by Manihot esculenta and Passiflora edulis preparations. Journal of Molecular Catalysis B: Enzymatic, 2009, 60, 157-162.	1.8	13
98	Chemoenzymatic preparation of optically active 3-(1H-imidazol-1-yl)cyclohexanol-based ionic liquids: application in organocatalysis and toxicity studies. RSC Advances, 2012, 2, 6455.	3.6	13
99	Stereoselective Access to 1-[2-Bromo(het)aryloxy]propan-2-amines Using Transaminases and Lipases; Development of a Chemoenzymatic Strategy Toward a Levofloxacin Precursor. Journal of Organic Chemistry, 2016, 81, 9765-9774.	3.2	13
100	Novel chemoenzymatic oxidation of amines into oximes based on hydrolase-catalysed peracid formation. Organic and Biomolecular Chemistry, 2017, 15, 3196-3201.	2.8	13
101	Biocatalysis Applied to the Synthesis of Vitamin D Analogues. Current Organic Chemistry, 2002, 6, 453-469.	1.6	13
102	Chemoenzymatic synthesis of optically active Mugetanol isomers: use of lipases and oxidoreductases in fragrance chemistry. Tetrahedron: Asymmetry, 2009, 20, 214-219.	1.8	12
103	Bioreduction of prochiral ketones by growing cells of Lasiodiplodia theobromae: Discovery of a versatile biocatalyst for asymmetric synthesis. Journal of Molecular Catalysis B: Enzymatic, 2010, 65, 37-40.	1.8	12
104	Enantiopure 3-methyl-3,4-dihydroisocoumarins and 3-methyl-1,2,3,4-tetrahydroisoquinolines via chemoenzymatic asymmetric transformations. Catalysis Science and Technology, 2012, 2, 1590.	4.1	12
105	Chemoenzymatic synthesis of optically active 2-(2â€²- or 4â€²-substituted-1H-imidazol-1-yl)cycloalkanols: chiral additives for (l)-proline. Catalysis Science and Technology, 2013, 3, 2596.	4.1	12
106	Dynamic Reductive Kinetic Resolution of Benzyl Ketones using Alcohol Dehydrogenases and Anion Exchange Resins. Advanced Synthesis and Catalysis, 2016, 358, 122-131.	4.3	12
107	Efficient synthesis of Î±-alkyl-Î²-amino amides by transaminase-mediated dynamic kinetic resolutions. Catalysis Science and Technology, 2019, 9, 4083-4090.	4.1	12
108	One-pot two-step chemoenzymatic deracemization of allylic alcohols using laccases and alcohol dehydrogenases. Molecular Catalysis, 2020, 493, 111087.	2.0	12

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109	Stereoselective synthesis of optically active cyclic Î±- and Î²-amino esters through lipase-catalyzed transesterification or interesterification processes. Tetrahedron: Asymmetry, 2010, 21, 2307-2313.	1.8	11
110	Chiral Triazolium Salts and Ionic Liquids: From the Molecular Design Vectors to Their Physical Properties through Specific Supramolecular Interactions. Chemistry - A European Journal, 2013, 19, 892-904.	3.3	11
111	Asymmetric chemoenzymatic synthesis of N-acetyl-Î±-amino esters based on lipase-catalyzed kinetic resolutions through interesterification reactions. Tetrahedron, 2014, 70, 2264-2271.	1.9	11
112	Chemoenzymatic synthesis and biological evaluation of C-3 carbamate analogues of 1Î±,25-dihydroxyvitamin D3. Bioorganic and Medicinal Chemistry, 2004, 12, 5443-5451.	3.0	10
113	Chemoenzymatic Synthesis of Optically Active cisâ€•and transâ€2â€(1Hâ€Imidazolâ€1â€yl)cycloalkanamines. European Journal of Organic Chemistry, 2011, 2011, 1057-1063.	2.4	10
114	Enzymatic and chromatographic resolution procedures applied to the synthesis of the phosphoproline enantiomers. Tetrahedron: Asymmetry, 2015, 26, 1469-1477.	1.8	10
115	Synthesis of nitrogenated lignin-derived compounds and reactivity with laccases. Study of their application in mild chemoenzymatic oxidative processes. RSC Advances, 2017, 7, 50459-50471.	3.6	10
116	Chemoenzymatic Asymmetric Synthesis of Serotonin Receptor Agonist (R)â€Frovatriptan. European Journal of Organic Chemistry, 2013, 2013, 4057-4064.	2.4	9
117	Imidazolium-Based Ionic Liquids as Non-conventional Media for Alcohol Dehydrogenase-Catalysed Reactions. Topics in Catalysis, 2014, 57, 332-338.	2.8	9
118	Supported ionic liquid-like phases as efficient solid ionic solvents for the immobilisation of alcohol dehydrogenases towards the development of stereoselective bioreductions. Green Chemistry, 2021, 23, 5609-5617.	9.0	9
119	Solvent role in the lipase-catalysed esterification of cinnamic acid and derivatives. Optimisation of the biotransformation conditions. Tetrahedron, 2021, 81, 131873.	1.9	9
120	Synthesis of Monoacyl A-Ring Precursors of 1Î±,25-Dihydroxyvitamin D3through Selective Enzymatic Hydrolysis. Journal of Organic Chemistry, 2002, 67, 1266-1270.	3.2	8
121	Regioselective enzymatic syntheses of C-3 and C-5 carbonate A-ring stereoisomeric precursors of vitamin D. Tetrahedron: Asymmetry, 2004, 15, 2881-2887.	1.8	8
122	Stereoselective Enzymatic Reduction of 1,4-Diaryl-1,4-Diones to the Corresponding Diols Employing Alcohol Dehydrogenases. Catalysts, 2018, 8, 150.	3.5	8
123	Temperatureâ€Controlled Stereodivergent Synthesis of 2,2â€²â€Biflavanones Promoted by Samarium Diiodide. Chemistry - A European Journal, 2019, 25, 13104-13108.	3.3	8
124	Chemoenzymatic preparation of a biologically active naphthoquinone from Tabebuia impetiginosa using lipases or alcohol dehydrogenases. Journal of Molecular Catalysis B: Enzymatic, 2009, 61, 279-283.	1.8	7
125	Baeyerâ€“Villiger monooxygenase-catalyzed desymmetrizations of cyclobutanones. Application to the synthesis of valuable spirolactones. Tetrahedron, 2016, 72, 7268-7275.	1.9	7
126	Lipase-catalyzed dynamic kinetic resolution of dimethyl (1,3-dihydro-2H-isoindol-1-yl)phosphonate. Tetrahedron, 2016, 72, 7311-7316.	1.9	7

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127	Chemoâ€•and Stereoselective Synthesis of Fluorinated Amino Alcohols through Oneâ€pot Reactions using Alcohol Dehydrogenases and Amine Transaminases. Advanced Synthesis and Catalysis, 2020, 362, 5398-5410.	4.3	7
128	Alcohol Dehydrogenases and Nâ€Heterocyclic Carbene Gold(I) Catalysts: Design of a Chemoenzymatic Cascade towards Optically Active Î²,Î²â€Disubstituted Allylic Alcohols. Angewandte Chemie, 2021, 133, 14064-14070.	2.0	7
129	Chemoenzymatic Oxosulfonylationâ€Bioreduction Sequence for the Stereoselective Synthesis of Î²â€Hydroxy Sulfones. ChemSusChem, 2021, , .	6.8	7
130	Kinetic resolution of 4-chloro-2-(1-hydroxyalkyl)pyridines using Pseudomonas cepacia lipase. Nature Protocols, 2006, 1, 2061-2067.	12.0	6
131	Lipase-catalyzed desymmetrization of meso-1,2-diaryl-1,2-diaminoethanes. Tetrahedron: Asymmetry, 2014, 25, 381-386.	1.8	6
132	Gelatin Proteinâ€Mediated Direct Aldol Reaction. Helvetica Chimica Acta, 2014, 97, 574-580.	1.6	6
133	Determination of volatile compounds in cider apple juices using a covalently bonded ionic liquid coating as the stationary phase in gas chromatography. Analytical and Bioanalytical Chemistry, 2017, 409, 3033-3041.	3.7	6
134	Aminolysis and Ammonolysis of Carboxylic Acid Derivatives. , 0, , 171-191.		5
135	Computational Study of the Lipaseâ€Mediated Desymmetrisation of 2â€Substitutedâ€Propaneâ€1,3â€Diamines. ChemBioChem, 2009, 10, 2875-2883.	2.6	5
136	Synthesis of carbohydrate-derived (Z)-vinyl halides and silanes: Samarium-promoted stereoselective 1,2-elimination on sugar-derived Î±-halomethylcarbinol acetates. Tetrahedron, 2018, 74, 5475-5480.	1.9	5
137	Development of Biotransamination Reactions towards the 3,4-Dihydro-2H-1,5-benzoxathiepin-3-amine Enantiomers. Catalysts, 2018, 8, 470.	3.5	5
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