Francisca Rebolledo

List of Publications by Year
in descending order

73	2,150	159358 30	264894 42
papers	citations	h-index	g-index

84	84	84	1433
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Amine Transaminase Mediated Synthesis of Optically Pure Piperazinones and 1,4â€Diazepanones. Advanced Synthesis and Catalysis, 2022, 364, 1326-1336.	2.1	7
2	Highly efficient asymmetric bioreduction of 1-aryl-2-(azaaryl)ethanones. Chemoenzymatic synthesis of lanicemine. Organic and Biomolecular Chemistry, 2019, 17, 8214-8220.	1.5	4
3	A Straightforward Deracemization of secâ€Alcohols Combining Organocatalytic Oxidation and Biocatalytic Reduction. European Journal of Organic Chemistry, 2018, 2018, 3031-3035.	1.2	30
4	Strengthening the Combination between Enzymes and Metals in Aqueous Medium: Concurrent Rutheniumâ€Catalyzed Nitrile Hydration â€•Asymmetric Ketone Bioreduction. ChemCatChem, 2018, 10, 4676-4682.	1.8	31
5	Hybrid Organo- and Biocatalytic Process for the Asymmetric Transformation of Alcohols into Amines in Aqueous Medium. ACS Catalysis, 2017, 7, 4768-4774.	5.5	42
6	Chemoenzymatic synthesis of optically active phenolic 3,4-dihydropyridin-2-ones: a way to access enantioenriched 1,4-dihydropyridine and benzodiazepine derivatives. Organic and Biomolecular Chemistry, 2017, 15, 5171-5181.	1.5	14
7	Developing a Biocascade Process: Concurrent Ketone Reduction-Nitrile Hydrolysis of 2-Oxocycloalkanecarbonitriles. Organic Letters, 2016, 18, 3366-3369.	2.4	18
8	Chemoenzymatic approach to optically active 1,4-dihydropyridine derivatives. Tetrahedron, 2015, 71, 3976-3984.	1.0	16
9	Chemoenzymatic preparation of optically active 4-aryl-5-carboxy-6-methyl-3,4-dihydro-2(1H)-pyridone derivatives. Tetrahedron, 2014, 70, 4675-4684.	1.0	11
10	Enantioselective bacterial hydrolysis of amido esters and diamides derived from (Â±)-trans-cyclopropane-1,2-dicarboxylic acid. Organic and Biomolecular Chemistry, 2014, 12, 615-623.	1.5	7
11	Chemoenzymatic synthesis of orthogonally protected (3R,4R)- and (3S,4S)-trans-3-amino-4-hydroxypyrrolidines. Tetrahedron, 2013, 69, 5407-5412.	1.0	9
12	Chemoenzymatic preparation of optically active trans- and cis-cyclohex-4-ene-1,2-diamine and trans-6-aminocyclohex-3-enol derivatives. Tetrahedron, 2012, 68, 7670-7674.	1.0	5
13	Straightforward preparation of biologically active 1-aryl- and 1-heteroarylpropan-2-amines in enantioenriched form. Organic and Biomolecular Chemistry, 2011, 9, 2274.	1.5	33
14	Regioselective enzymatic acylation of complex natural products: expanding molecular diversity. Chemical Society Reviews, 2011, 40, 5321.	18.7	69
15	Enzymatic Dynamic Kinetic Resolution of (Â±)-cis-N-(Alkoxycarbonyl)cyclopentane-1,2-diamines based on Spontaneous Racemization. Organic Letters, 2010, 12, 3602-3605.	2.4	18
16	Highly efficient chemoenzymatic syntheses of trans-2-aminocyclopentanol derivatives. Journal of Molecular Catalysis B: Enzymatic, 2009, 59, 111-115.	1.8	7
17	An efficient chemoenzymatic method to prepare optically active primaryâ€“tertiary trans-cycloalkane-1,2-diamines. Tetrahedron, 2009, 65, 8028-8034.	1.0	9
18	trans-Cyclopentane-1,2-diamine: the second youth of the forgotten diamine. Chemical Society Reviews, 2009, 38, 1916.	18.7	44

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19	Chemoenzymatic preparation of optically active anthracene derivatives. Tetrahedron: Asymmetry, 2008, 19, 2589-2593.	1.8	7
20	Cycloalkane-1,2-diamine derivatives as chiral solvating agents. Study of the structural variables controlling the NMR enantiodiscrimination of chiral carboxylic acids. Tetrahedron, 2008, 64, 7709-7717.	1.0	38
21	An improved chemoenzymatic synthesis of both enantiomers of trans-cyclopentane-1,2-diamine. Tetrahedron: Asymmetry, 2008, 19, 751-755.	1.8	16
22	A Biocatalytic Approach to Synthesizing Optically Active Orthogonally Protectedtrans-Cyclopentane-1,2-Diamine Derivatives. Journal of Organic Chemistry, 2007, 72, 1309-1314.	1.7	26
23	New pincer-like receptor derived from trans-cyclopentane-1,2-diamine as a chiral shift reagent for carboxylic acids. Tetrahedron: Asymmetry, 2007, 18, 1981-1985.	1.8	23
24	Chemoenzymatic syntheses of novel ligands derived from trans-cyclohexane-1,2-diamine: application in the enantioselective addition of diethylzinc to aromatic aldehydes. Tetrahedron: Asymmetry, 2006, 17, 449-454.	1.8	17
25	Redesigning the mechanism of the lipase-catalysed aminolysis of esters. Tetrahedron: Asymmetry, 2006, 17, 1264-1274.	1.8	16
26	Optically activetrans-2-aminocyclopentanols: Chemoenzymatic preparation and application as chiral ligands. Biotechnology Journal, 2006, 1, 835-841.	1.8	6
27	Enantioselective acylation of rac-2-phenylcycloalkanamines catalyzed by lipases. Tetrahedron: Asymmetry, 2005, 16, 3070-3076.	1.8	18
28	Kinetic Resolution of 1-Biaryl- and 1-(Pyridylphenyl)alkan-1-ols Catalysed by the Lipase B fromCandida antarctica. Advanced Synthesis and Catalysis, 2005, 347, 695-702.	2.1	18
29	Multi-Choice Enzymatic Resolutions of Racemic Secondary Alcohols Using Candida antarctica Lipase B. A Collaborative Experiment for Advanced Undergraduates. Journal of Chemical Education, 2005, 82, 930.	1.1	7
30	Chemoenzymatic Preparation of Optically Active Î²-Aminocyclohexanols and Their Application in the Enantioselective Addition of Diethylzinc to Benzaldehyde.. ChemInform, 2004, 35, no.	0.1	0
31	Chemoenzymatic Preparation of Optically Activetrans-Cyclohexane-1,2-diamine Derivatives: An Efficient Synthesis of the Analgesic U-(â^')-50,488. Chemistry - A European Journal, 2004, 10, 5788-5794.	1.7	38
32	Kinetic resolution of (Â±)-trans- and (Â±)-cis-2-phenylcyclopentanamine by CALB-catalyzed aminolysis of esters: the key role of the leaving group. Tetrahedron: Asymmetry, 2004, 15, 481-488.	1.8	43
33	Chemoenzymatic preparation of optically active Î²-amino-cyclohexanols and their application in the enantioselective addition of diethylzinc to benzaldehyde. Tetrahedron: Asymmetry, 2004, 15, 1335-1341.	1.8	21
34	CHEMOENZYMATIC SYNTHESES OF POLYAMINES AND TETRAAZAMACROCYCLES. Synthetic Communications, 2002, 32, 2441-2452.	1.1	6
35	CAL-B-catalyzed resolution of some pharmacologically interesting Î²â€“substituted isopropylamines. Tetrahedron: Asymmetry, 2002, 13, 1315-1320.	1.8	73
36	Enantioselective bioreduction of Î²-keto sulfones with the fungus Curvularia lunata. Tetrahedron: Asymmetry, 2001, 12, 513-515.	1.8	48

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37	Study of the enantioselectivity of the CAL-B-catalysed transesterification of Î±-substituted Î±-propylmethanols and Î±-substituted benzyl alcohols. Tetrahedron: Asymmetry, 2001, 12, 3047-3052.	1.8	19
38	Optically Active Hexaazamacrocycles: Protonation Behavior and Chiral-Anion Recognition. Helvetica Chimica Acta, 2001, 84, 280-295.	1.0	67
39	Kinetic Resolution of (Â±)-1-Phenylbutan-1-ol by Means of CALB-Catalyzed Aminolyses: A Study on the Role of the Amine in the Alcohol Resolution. Advanced Synthesis and Catalysis, 2001, 343, 646-654.	2.1	17
40	Optically Active Dioxatetraazamacrocycles: Chemoenzymatic Syntheses and Applications in Chiral Anion Recognition. Chemistry - A European Journal, 2000, 6, 3331-3338.	1.7	56
41	Enzymatic resolution of (Â±)-1-ferrocenylethylamine. Tetrahedron: Asymmetry, 2000, 11, 1047-1050.	1.8	8
42	Enzymatic one-pot resolution of two nucleophiles: alcohol and amine. Tetrahedron: Asymmetry, 2000, 11, 1459-1463.	1.8	25
43	Biotransformations of benzoylacetonitrile with the fungus Curvularia lunata: highly diastereo- and enantioselective synthesis of Î±-alkyl Î²-hydroxy nitriles and Î³-amino alcohols. Journal of the Chemical Society, Perkin Transactions 1, 2000, , 307-309.	1.3	28
44	Chemoenzymatic syntheses of two optically active hexa-azamacrocycles. Tetrahedron: Asymmetry, 1999, 10, 367-374.	1.8	29
45	Bioreduction of 2-oxocyclopentanecarboxamides: syntheses of optically active 2-aminomethyl- and 2-aminocyclopentanols. Tetrahedron: Asymmetry, 1999, 10, 473-486.	1.8	22
46	Enzymatic ammonolysis of ethyl (Â±)-4-chloro-3-hydroxybutanoate. Chemoenzymatic syntheses of both enantiomers of pyrrolidin-3-ol and 5-(chloromethyl)-1,3-oxazolidin-2-one. Tetrahedron: Asymmetry, 1999, 10, 721-726.	1.8	38
47	Optically active tetraazamacrocycles analogous to cyclam. Tetrahedron: Asymmetry, 1999, 10, 2515-2522.	1.8	16
48	Chemoenzymatic synthesis of azacycloalkan-3-ols. Tetrahedron: Asymmetry, 1999, 10, 3449-3455.	1.8	44
49	CandidaantarcticaLipase-Catalyzed Doubly Enantioselective Aminolysis Reactions. Chemoenzymatic Synthesis of 3-Hydroxypyrrolidines and 4-(Silyloxy)-2-oxopyrrolidines with Two Stereogenic Centers. Journal of Organic Chemistry, 1999, 64, 1464-1470.	1.7	45
50	Candida antarctica lipase catalyzed resolution of ethyl (Â±)-3-aminobutyrate. Tetrahedron: Asymmetry, 1997, 8, 37-40.	1.8	63
51	Candida antarctica B lipase catalysed resolution of (Â±)-1-(heteroaryl)ethylamines. Tetrahedron: Asymmetry, 1997, 8, 2675-2677.	1.8	55
52	Enantioselective reduction of Î²-keto amides by the fungus Mortierella isabellina. Tetrahedron: Asymmetry, 1997, 8, 3035-3038.	1.8	29
53	Enantioselective Enzymatic Aminolysis and Ammonolysis of Dimethyl 3-Hydroxyglutarate. Synthesis of (R)-4-Amino-3-hydroxybutanoic Acid. Journal of Organic Chemistry, 1996, 61, 6024-6027.	1.7	53
54	Sequential biocatalytic resolution of (Â±)-trans-cyclohexane-1,2-diamine. Chemoenzymatic synthesis of an optically active polyamine. Chemical Communications, 1996, , 2471-2472.	2.2	37

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55	Enzymatic Selective Transformations of Diethyl Fumarate. Tetrahedron, 1995, 51, 7715-7720.	1.0	15
56	Selective ammonolysis and aminolysis of dimethyl succinate. Synthesis of optically active N-alkylsuccinimides. Tetrahedron, 1995, 51, 1495-1502.	1.0	43
57	Optically active (S)-ketone- and (R)-aldehyde-cyanohydrins via an (R)-oxynitrifase-catalysed transcyanation. Chemoenzymatic syntheses of 2-cyanotetrahydrofuran and 2-cyanotetrahydropyran. Journal of the Chemical Society Chemical Communications, 1995, , 989-990.	2.0	61
58	Lipase-catalyzed aminolysis and ammonolysis of Î²-ketoesters. Synthesis of optically active Î²-ketoamides.. Tetrahedron, 1994, 50, 6935-6940.	1.0	48
59	Enzymatic aminolysis of non-activated diesters with diamines. Journal of the Chemical Society Perkin Transactions 1, 1994, , 829.	0.9	22
60	Chemoenzymatic aminolysis and ammonolysis of Î²-ketoesters. Tetrahedron Letters, 1993, 34, 6141-6142.	0.7	48
61	Practical enzymatic route to optically active 3-hydroxyamides. Synthesis of 1,3-aminoalcohols. Tetrahedron: Asymmetry, 1993, 4, 2199-2210.	1.8	47
62	Lipase-catalyzed synthesis of optically active amides in organic media. Tetrahedron: Asymmetry, 1993, 4, 1105-1112.	1.8	50
63	Lipase-catalysed enantioselective acylation of N-protected or unprotected 2-aminoalkan-1-ols. Journal of the Chemical Society Perkin Transactions 1, 1992, , 2885-2889.	0.9	35
64	Enzymatic synthesis of 3-hydroxybutyramides and their conversion to optically active 1,3-aminoalcohols. Tetrahedron: Asymmetry, 1992, 3, 1519-1522.	1.8	18
65	Enzymatic aminolysis and transamidation reactions. Tetrahedron, 1991, 47, 9207-9214.	1.0	85
66	Biotransformation of cycloalkanediones by microorganisms; Stereoselective reduction of (ï¿½)-camphorquinone. Biotechnology Letters, 1991, 13, 245-248.	1.1	12
67	Enzymatic hydrolysis of 2,2,2,-trifluoroethyl ?-chloro-?-phenylacetate in organic media. Biotechnology Letters, 1991, 13, 867-870.	1.1	9
68	Synthesis of Hydrazides Through an Enzymatic Hydrazinolysis Reaction. Synthesis, 1991, 1991, 350-352.	1.2	30
69	An enzymatic method for the preparation of chiral diamides. Tetrahedron: Asymmetry, 1990, 1, 277-278.	1.8	22
70	Enzymatic synthesis of amides with two chiral centres. Journal of the Chemical Society Chemical Communications, 1990, , 1386.	2.0	32
71	Enzymatic synthesis of propargylamides. Tetrahedron Letters, 1989, 30, 5345-5346.	0.7	29
72	A simple procedure for the preparation of chiral amides. Tetrahedron Letters, 1988, 29, 6973-6974.	0.7	42

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73	Enantioselective acylation of amino alcohols by porcine pancreatic lipase. Journal of the Chemical Society Chemical Communications, 1988, , 957.	2.0	56