

Patrizia Ferraboschi

List of Publications by Year in descending order

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103
papers

2,219
citations

304368

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140
all docs

140
docs citations

140
times ranked

1228
citing authors

#	ARTICLE	IF	CITATIONS
1	The biocatalytic approach to the preparation of enantiomerically pure chiral building blocks. <i>Chemical Reviews</i> , 1992, 92, 1071-1140.	23.0	543
2	Lipase-catalyzed transesterification in organic solvents: Applications to the preparation of enantiomerically pure compounds. <i>Enzyme and Microbial Technology</i> , 1993, 15, 367-382.	1.6	196
3	Applications of Lysozyme, an Innate Immune Defense Factor, as an Alternative Antibiotic. <i>Antibiotics</i> , 2021, 10, 1534.	1.5	118
4	Reduction of esters to alcohols by means of sodium borohydride in polyethylene glycols. <i>Journal of Organic Chemistry</i> , 1981, 46, 4584-4585.	1.7	49
5	An efficient chemo-enzymatic approach to the enantioselective synthesis of 2-methyl-1,3-propamedical derivatives. <i>Tetrahedron Letters</i> , 1990, 31, 5657-5660.	0.7	48
6	Enhanced and reversed enantioselectivity of enzymic hydrolysis by simple substrate modifications: the case of 3-hydroxyglutarate diesters. <i>Journal of Organic Chemistry</i> , 1988, 53, 1567-1569.	1.7	43
7	Reductions of esters, acyl halides, alkyl halides, and sulfonate esters with sodium borohydride in polyethylene glycols: scope and limitation of the reaction. <i>Journal of Organic Chemistry</i> , 1983, 48, 3074-3077.	1.7	42
8	Enantioselective transesterification of 2-methyl-1,3-propanediol derivatives catalyzed by <i>Pseudomonas fluorescens</i> lipase in an organic solvent. <i>Tetrahedron</i> , 1992, 48, 3827-3834.	1.0	41
9	Bis-tetrabutylammonium Dichromate as a Neutral and Selective Oxidant of Hydroxy Compounds. <i>Synthetic Communications</i> , 1980, 10, 75-81.	1.1	39
10	New chemoenzymic synthesis of (R)- and (S)-4-(phenylsulfonyl)-2-methyl-1-butanol: a chiral C5 isoprenoid synthon. <i>Journal of Organic Chemistry</i> , 1990, 55, 6214-6216.	1.7	35
11	Enzymic resolution of 2-substituted oxiranemethanols, a class of synthetically useful building blocks, bearing a chiral quaternary center. <i>Journal of Organic Chemistry</i> , 1991, 56, 5478-5480.	1.7	35
12	Baker's yeast-mediated preparation of optically active aryl alcohols and diols for the synthesis of chiral hydroxy acids. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1990, , 2469.	0.9	34
13	Chemo-enzymatic approach to the synthesis of the antithrombotic clopidogrel. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 2136-2141.	1.8	29
14	A biocatalytic approach to the enantioselective synthesis of (R)- and (S)-malic acid. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1991, , 601.	0.9	28
15	Selective enzymatic transformations of itaconic acid derivatives: An access to potentially useful building blocks. <i>Tetrahedron</i> , 1994, 50, 3251-3258.	1.0	28
16	Stereochemical analysis of the 3 α - and 3 β -hydroxy metabolites of tibolone through NMR and quantum-chemical investigations. An experimental test of GIAO calculations. <i>Magnetic Resonance in Chemistry</i> , 2002, 40, 581-588.	1.1	28
17	Biohydrogenation of unsaturated compounds by <i>Saccharomyces cerevisiae</i> . Part 1. Stereochemical aspects of the reaction and preparation of useful bifunctional chiral synthons. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1987, , 1743.	0.9	27
18	A comparative molecular modeling study of dydrogesterone with other progestational agents through theoretical calculations and nuclear magnetic resonance spectroscopy. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2006, 98, 56-62.	1.2	27

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19	Baker's yeast-mediated reduction of $\hat{\pm}$ -hydroxy ketones and derivatives: The steric course of the biotransformation. <i>Tetrahedron</i> , 1994, 50, 10539-10548.	1.0	26
20	Polyethylene Glycols as Solvents for Anionic Activation: Synthesis of Thioacetates by Means of Potassium Thioacetate in Polyethylene Glycol 400. <i>Synthetic Communications</i> , 1987, 17, 1569-1575.	1.1	25
21	A-Ring nitration of estrone. <i>Journal of Organic Chemistry</i> , 1983, 48, 739-740.	1.7	24
22	Reduction of Ozonides by Means of Polymeric Triphenylphosphine: Simplified Synthesis of Carbonyl Compounds from Alkenes. <i>Synthetic Communications</i> , 1986, 16, 667-672.	1.1	24
23	An Insight into the Active Site of <i>Pseudomonas Fluorecens</i> (<i>P. cepacia</i>) Lipase to Define the Stereochemical Demand for the Transesterification in Organic Solvents. <i>Biocatalysis</i> , 1994, 10, 279-288.	0.9	23
24	Regio- and enantioselectivity of <i>Pseudomonas cepacia</i> lipase in the transesterification of 2-substituted-1,4-butanediols. <i>Tetrahedron: Asymmetry</i> , 1994, 5, 691-698.	1.8	22
25	Reactions of Periodate Under Homogeneous and Phase-Transfer Conditions: Examples of New Oxidations of Unusual Groups. <i>Synthetic Communications</i> , 1986, 16, 43-50.	1.1	21
26	Synthesis of thiomorpholino buffers for isoelectric focusing in immobilized pH gradients. <i>Electrophoresis</i> , 1990, 11, 617-620.	1.3	21
27	Biocatalytic, Enantioselective Preparations of (R)- and (S)-Ethyl 4-Chloro-3-Hydroxybutanoate, a Useful Chiral Synthone. <i>Biocatalysis</i> , 1992, 5, 325-332.	0.9	21
28	Baker's yeast-mediated hydrogenation of 2-substituted allyl alcohols: A biocatalytic route to a new highly enantioselective synthesis of (R)-2-methyl alkanols. <i>Tetrahedron: Asymmetry</i> , 1994, 5, 19-20.	1.8	21
29	Studies on the regio- and enantioselectivity of the lipase-catalyzed transesterification of 1 $\hat{\epsilon}$ - and 2 $\hat{\epsilon}$ -naphthyl alcohols in organic solvent. <i>Tetrahedron: Asymmetry</i> , 1995, 6, 1521-1524.	1.8	21
30	Baker's yeast mediated biohydrogenation of unsaturated compounds containing a methylene group: enantioselective preparation of 2-methyl alkanols from 2-substituted acrolein acetals. <i>Tetrahedron: Asymmetry</i> , 1999, 10, 2639-2642.	1.8	21
31	Biohydrogenation of unsaturated compounds by <i>Saccharomyces cerevisiae</i> . Part 2: (S)-($\hat{\epsilon}$)-Ethyl 4-hydroxy-3-methylbutanoate as a chiral synthon for the preparation of (25S)-26-hydroxycholesterol. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1987, , 1749-1752.	0.9	20
32	A chemoenzymatic approach to enantiomerically pure (R)- and (S)-2,3-epoxy-2-(4-pentenyl)-propanol, a chiral building block for the synthesis of (R)- and (S)-frontalin. <i>Tetrahedron: Asymmetry</i> , 1993, 4, 9-12.	1.8	20
33	Lipase-catalyzed resolution of stereogenic centers in steroid side chains by transesterification in organic solvents: the case of a 26-hydroxycholesterol. <i>Tetrahedron: Asymmetry</i> , 1998, 9, 2193-2196.	1.8	20
34	The first example of lipase-catalyzed resolution of a stereogenic center in steroid side chains by transesterification in organic solvent. <i>Tetrahedron: Asymmetry</i> , 1996, 7, 1551-1554.	1.8	19
35	Microbial reduction of 2-keto acetals as a biocatalytic approach to the enantioselective synthesis of optically active 2-hydroxy acetals. <i>Tetrahedron: Asymmetry</i> , 1993, 4, 1931-1940.	1.8	17
36	Studies on the enantioselectivity of the transesterification of 2-methyl-1,4-butanediol and its derivatives catalyzed by <i>Pseudomonas fluorescens</i> lipase in organic solvents. <i>Tetrahedron: Asymmetry</i> , 1993, 4, 997-1006.	1.8	16

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37	Lipase-Catalyzed Resolution of (RS)-2-Methyl-4-phenylseleno-1-butanol: Synthesis of Enantiomerically Pure 2-Methyl-1,3-propanediol Derivatives. <i>Synlett</i> , 1990, 1990, 545-546.	1.0	15
38	A chemoenzymatic synthesis of enantiomerically pure (R)- and (S)-2-methyldecan-1-ol. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1992, , 1159.	0.9	15
39	Interactions between type 1 astrocytes and LHRH-secreting neurons (GT1-1 cells): modification of steroid metabolism and possible role of TGF β 1. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1999, 71, 41-47.	1.2	15
40	Effects of 6- and 7-hydroxy metabolites of 3 β ,17 β -dihydroxy-5 α -androstane on gonadotrophin and prolactin secretion and on sex accessories weight of male rats. <i>The Journal of Steroid Biochemistry</i> , 1983, 18, 397-401.	1.3	14
41	Further studies on sodium borohydride-polyethylene glycol 400 as a novel reducing system. <i>Journal of Organic Chemistry</i> , 1987, 52, 671-674.	1.7	14
42	Baker's Yeast Mediated Biohydrogenation of 2-Substituted Allyl Alcohols: Synthesis of Enantiomerically Pure (2S)-3-Benzyloxy-2-methyl-1-propanol. <i>Synlett</i> , 1996, 1996, 1176-1178.	1.0	14
43	Determination of Aloesin and Aloeresin A for the Detection of Aloe in Beverages. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 3363-3367.	2.4	14
44	Diastereoselective synthesis of an argatroban intermediate, ethyl (2R,4R)-4-methylpipercolate, by means of a Mandyphos/rhodium complex-catalyzed hydrogenation. <i>Tetrahedron: Asymmetry</i> , 2011, 22, 1626-1631.	1.8	14
45	Seawater-Based Biocatalytic Strategy: Stereoselective Reductions of Ketones with Marine Yeasts. <i>ChemCatChem</i> , 2016, 8, 3254-3260.	1.8	14
46	Chemoenzymatic syntheses of (25R)- and (25S)-25-hydroxy-27-nor-cholesterol, a steroid bearing a secondary hydroxy group in the side chain. <i>Tetrahedron: Asymmetry</i> , 1999, 10, 2497-2500.	1.8	13
47	Ovotransferrin Supplementation Improves the Iron Absorption: An In Vitro Gastro-Intestinal Model. <i>Biomedicines</i> , 2021, 9, 1543.	1.4	13
48	A new flexible synthesis of (R,S)-mevalonolactone. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1987, , 2301.	0.9	12
49	Evaluation, synthesis and characterization of tacrolimus impurities. <i>Journal of Antibiotics</i> , 2012, 65, 349-354.	1.0	12
50	Enzymatic Synthesis of Enantiomerically Pure Chiral Synthons: Lipase-Catalyzed Resolution of (R/S) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.0	11
51	Lipase-catalyzed preparation of corticosteroid 17 β -esters endowed with antiandrogenic activity. <i>Tetrahedron Letters</i> , 2008, 49, 4610-4612.	0.7	10
52	A full conformational characterization of antiandrogen cortexolone-17 β -propionate and related compounds through theoretical calculations and nuclear magnetic resonance spectroscopy. <i>MedChemComm</i> , 2014, 5, 904-914.	3.5	10
53	Synthesis of Antitumor Fluorinated Pyrimidine Nucleosides. <i>Organic Preparations and Procedures International</i> , 2017, 49, 69-154.	0.6	10
54	A Convenient Synthesis of (S)-2-Methyl and (2S)-2,3-Dimethyl Butyl Phenylsulfones from (S)-(-)-3-Methyl- β -butyrolactone. <i>Synthetic Communications</i> , 1984, 14, 1199-1204.	1.1	9

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55	Testosterone metabolites do not participate in the control of hypothalamic LH-releasing hormone. <i>Journal of Endocrinology</i> , 1986, 109, 291-296.	1.2	9
56	Novel Chiral Glycerol Analogues Building Blocks. Application to the Synthesis of Bioactive Glycoglycerolipid Analogues. <i>Synlett</i> , 2001, 2001, 1379-1382.	1.0	9
57	A practical chemoenzymatic approach to the synthesis of 3-hydroxy metabolites of tibolone. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 2583-2586.	1.8	9
58	Baker's yeast catalyzed preparation of a new enantiomerically pure synthon of (S)-pramipexole and its enantiomer (dexpramipexole). <i>Tetrahedron: Asymmetry</i> , 2014, 25, 1239-1245.	1.8	9
59	Enantioselective <i>Pseudomonas fluorescens</i> (<i>P. cepacia</i>) lipase-catalyzed irreversible transesterification of 2-methyl-1,2-diols in an organic solvent. <i>Tetrahedron: Asymmetry</i> , 1994, 5, 1921-1924.	1.8	8
60	Total assignment of ¹ H and ¹³ C NMR spectra of 13 β - and 13 α -estrone methyl ethers. <i>Magnetic Resonance in Chemistry</i> , 2001, 39, 648-650.	1.1	8
61	Synthesis of Isosteric Analogues of Acylglycosylglycerols Active as Chemoprevention Agents. <i>European Journal of Organic Chemistry</i> , 2002, 2002, 1429-1435.	1.2	8
62	A convenient synthesis of oxandrolone through a regioselective <i>Candida antarctica</i> lipase-catalyzed transformation. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 2781-2785.	1.8	8
63	First chemoenzymatic synthesis of immunomodulating macrolactam pimecrolimus. <i>Tetrahedron Letters</i> , 2009, 50, 4384-4388.	0.7	8
64	Regioselective mercuriation of an estradiol derivative: a facile entry to 2-substituted estrogens. <i>Journal of the Chemical Society Chemical Communications</i> , 1981, , 217a.	2.0	7
65	Estimation and characterisation of budesonide tablets impurities. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 47, 636-640.	1.4	7
66	Chemoenzymatic synthesis of the enantiomerically pure 1,2,3,4-tetrahydroquinoline moiety of the antithrombotic (21R)- and (21S)-argatroban. <i>Tetrahedron: Asymmetry</i> , 2013, 24, 1142-1147.	1.8	7
67	Synthesis of the antitumoral nucleoside capecitabine through a chemo-enzymatic approach. <i>Tetrahedron Letters</i> , 2015, 56, 5909-5913.	0.7	7
68	Full spectroscopic characterization of two crystal pseudopolymorphic forms of the antiandrogen cortexolone 17 β -propionate for topic application. <i>Steroids</i> , 2017, 128, 95-104.	0.8	7
69	Regio- and enantioselective properties of the lipase-catalyzed irreversible transesterification of some 2-substituted-1,4-butanediols in organic solvents. <i>Tetrahedron: Asymmetry</i> , 1995, 6, 1027-1030.	1.8	6
70	Corticosteroids 21-glucuronides: Synthesis and complete characterization by ¹ H and ¹³ C NMR. <i>Steroids</i> , 2009, 74, 870-875.	0.8	6
71	Crystallographic and spectroscopic study on a known orally active progestin. <i>Steroids</i> , 2015, 104, 137-144.	0.8	6
72	Crystallographic and NMR Investigation of Ergometrine and Methylegometrine, Two Alkaloids from <i>Claviceps Purpurea</i> . <i>Molecules</i> , 2020, 25, 331.	1.7	6

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73	Recent Advances on Bioreductions Mediated by Baker's Yeast and Other Microorganisms. NATO Science Series Partnership Sub-series 1, Disarmament Technologies, 2000, , 95-115.	0.1	6
74	AN IMPROVED SYNTHESIS OF (S)-3-METHYL- β -BUTYROLACTONE. Organic Preparations and Procedures International, 1989, 21, 371-373.	0.6	5
75	Synthesis of the new immunostimulating agent pidotimod (3-L-pyroglutamyl-L-thiazolidine-4-carboxylic) Tj ETQq1 1 0.784314 rgBT /O 1992, 31, 973-980.	0.5	5
76	New routes to A-ring substituted estrogens. The Journal of Steroid Biochemistry, 1983, 19, 767-769.	1.3	4
77	A facile synthesis of pentadeuterated domiodol (2-iodomethyl-4-hydroxymethyl-1,3-dioxolane) from glycerol-1,1,2,3,3-d5. Journal of Labelled Compounds and Radiopharmaceuticals, 1994, 34, 303-306.	0.5	4
78	A practical route for the synthesis of 17 substituted steroidal 3-thioxamides. Steroids, 1997, 62, 504-506.	0.8	4
79	Substrate interaction with 5 α -reductase enzyme: influence of the 17 β -chain chirality in the mechanism of action of 4-azasteroid inhibitors. Steroids, 2001, 66, 803-810.	0.8	4
80	A full conformational characterization of 13-ethylproggestogens through theoretical calculations and nuclear magnetic resonance spectroscopy. Journal of Steroid Biochemistry and Molecular Biology, 2007, 103, 163-169.	1.2	4
81	Anti-Tumor-Promoting Activity of Tibolone and its Metabolites. Arzneimittelforschung, 2008, 58, 86-90.	0.5	4
82	A New Chemoenzymatic Synthesis of the Chiral Key Intermediate of the Antiepileptic Brivaracetam. Molecules, 2018, 23, 2206.	1.7	4
83	Vecuronium bromide and its advanced intermediates: A crystallographic and spectroscopic study. Steroids, 2021, 176, 108928.	0.8	4
84	Lipase-Catalyzed Regio- and Stereoselective Acylation of Hydroxy Groups in Steroid Side Chains. Monatshefte für Chemie, 2000, 131, 617-622.	0.9	3
85	Complete ¹ H and ¹³ C assignments of (21 <i>R</i>) and (21 <i>S</i>) diastereomers of argatroban. Magnetic Resonance in Chemistry, 2008, 46, 99-102.	1.1	3
86	Crystallographic, Spectroscopic, and Theoretical Investigation of the Efficiently Separated 21 <i>R</i> and 21 <i>S</i> Diastereoisomers of Argatroban. Chirality, 2013, 25, 871-882.	1.3	3
87	A novel versatile precursor suitable for ¹⁸ F radiolabeling via "click chemistry". Journal of Labelled Compounds and Radiopharmaceuticals, 2017, 60, 466-480.	0.5	3
88	Control of androgen metabolism in the peripheral and central structures: physiological implications. , 1981, , 133-144.		3
89	β -Substituted Primary Alcohols as Substrates for Enantioselective Lipase-Catalyzed Transesterification in Organic Solvents. Progress in Biotechnology, 1992, 8, 533-540.	0.2	3
90	Synthesis and automated fluorine- ¹⁸ radiolabeling of new PSMA- ⁶¹⁷ derivatives with a CuAAC radiosynthetic approach. Journal of Labelled Compounds and Radiopharmaceuticals, 2022, 65, 48-62.	0.5	3

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91	Synthesis of 3-methyl-1,3,5-pentanetriol and its mono- and diesters. Chemistry and Physics of Lipids, 1988, 49, 97-100.	1.5	2
92	Synthesis of one diastereomeric couple of the mucolytic drug domiodol [(4S,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (2R,S)-2-iodo-2-methyl-1,3-dioxane] Chirality, 1995, 7, 623-625.	1.3	2
93	A Simple Synthesis of Gestodene from 18-Methyl-4-estren-3,17-dione. Synlett, 2004, 2004, 1838-1840.	1.0	2
94	Biocatalysis as a new powerful tool for the synthesis of enantiomerically pure chiral building blocks. Advances in Asymmetric Synthesis, 1997, , 237-283.	0.4	2
95	Chiral Synthons by Enzymatic Acylation and Esterification Reactions. , 2000, , 415-460.		2
96	An Outline of the Latest Crystallographic Studies on Inhibitor-Enzyme Complexes for the Design and Development of New Therapeutics against Tuberculosis. Molecules, 2021, 26, 7082.	1.7	2
97	Enzyme recycling does not influence the enantioselectivity of the Pseudomonas cepacia lipase-catalyzed acylation of a racemic alcohol in organic solvents. Biotechnology Letters, 1997, 11, 81-83.	0.5	1
98	(S)-Pramipexole and Its Enantiomer, Dexpramipexole: A New Chemoenzymatic Synthesis and Crystallographic Investigation of Key Enantiomeric Intermediates. Catalysts, 2020, 10, 941.	1.6	1
99	Synthesis of C-2 and C-4 deuterium-labeled estradiol-17 β . Steroids, 1983, 41, 777-782.	0.8	0
100	Preparation of an A-ring building block for the total synthesis of 1 α ,25-dihydroxy vitamin D ₃ and structurally related congeners: lipase-catalyzed stereoselective esterification of a suitable epoxyalcohol. Tetrahedron: Asymmetry, 2000, 11, 2665-2668.	1.8	0
101	Pseudomonas cepacia Lipase-Catalyzed Enantioselective Acylation of 2-Substituted-1-alkanols in Organic Solvents. , 2001, , 291-305.		0
102	Synthesis of the immunosuppressive agent 2-morpholinoethyl mycophenolate by a lipase-catalyzed transesterification. Biocatalysis and Biotransformation, 2006, 24, 209-213.	1.1	0
103	Enzymes in Organic Solvents: Enantioselective Transesterification of Alpha-Methyl Substituted Primary Alcohols Catalyzed by a Lipase. , 1991, , 245-248.		0