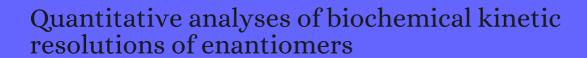
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2055	Selective ammonolysis and aminolysis of dimethyl succinate. Synthesis of optically active N-alkylsuccinimides. <i>Tetrahedron</i> , <b>1995</b> , 51, 1495-1502	39
2054	Structure of solvent affects enantioselectivity of lipase-catalyzed transesterification. <i>Tetrahedron</i> , 1995, 51, 8799-8808	56
2053	Resolution of allylic alcohols by cholesterol oxidase isolated from Rhodococcus erythropolis. <b>1995</b> , 36, 2243-2246	31

2052	Enantioselective hydrogen-atom abstraction by homochiral silanethiyl radicals. <b>1995</b> , 36, 3731-3734		6
2051	Ultrasound-promoted lipase-catalyzed reactions. <b>1995</b> , 36, 6067-6068		48
2050	Enzyme-mediated enantioselective hydrolysis of cyclic carbonates. <b>1995</b> , 36, 6499-6502		31
2049	Linear free energy relationship of nonaqueous biocatalysis: Analysis of solvent effects on enzyme enantioselectivity. <b>1995</b> , 80, 141-147		12
2048	A facile preparation of enantiomers of ethyl 4,4,4-trifluoro-3-(indole-3-)butyrate, a novel plant growth regulator. <b>1995</b> , 79, 171-173		6
2047	Enzymatic resolution of racemic ibuprofen esters: Effects of organic cosolvents and temperature. <b>1995</b> , 80, 613-615		45
2046	Enzymatic resolution of trans-2,3-dihydro-3-hydroxy-2-phenyl-4H-1-benzopyran-4-one (trans-flavanon-3-ol) by lipase. <b>1995</b> , 32, 1125-1127		5
2045	Surfactant-Coated Lipase Suitable for the Enzymatic Resolution of Menthol as a Biocatalyst in Organic Media. <b>1995</b> , 11, 270-275		70
2044	A chemo-enzymatic approach to optically active 3-(4-methoxycarbonyl)phenyl-2-methyl-1-propanols. <b>1995</b> , 44, 743-748		1
2043	Enhancement and Reversal of Enantioselectivity of the Enzymatic Hydrolysis of (RS)-3-(4-Methoxycarbonyl)phenyl-2-methylprop-1-yl Acetate upon its Transformation into the Lb-Arene(tricarbonyl)chromium Complex. <b>1995</b> , 5, 175-176		4
2042	Optical resolution of 1-arylethanols with a condensed aromatic ring by lipase from Pseudomonas aeruginosa. <b>1995</b> , 59, 2178-80		7
2041	The Catalytic Performance of Pig Pancreas Lipase in Enantioselective Transesterification in Organic Solvents. <i>Biocatalysis and Biotransformation</i> , <b>1995</b> , 12, 119-136	2.5	21
2040	Description of Hydrolase-Enantioselectivity Must be Based on the Actual Kinetic Mechanism: Analysis of the Kinetic Resolution of Glycidyl (2,3-Epoxy-1-Propyl) Butyrate by Pig Pancreas Lipase. <i>Biocatalysis and Biotransformation</i> , <b>1995</b> , 12, 99-117	2.5	26
2039	Synthetic applications of enzymatic reactions in organic solvents. <b>1995</b> , 87-128		9
2038	A method for culturing filamentous fungi. <i>Process Biochemistry</i> , <b>1995</b> , 30, 779-780	4.8	
2037	ENZYME CATALYSED TRANSESTERIFICATION OF AMINOPHOSPHONIC ACIDS. IIISOTHREONINE-P ANALOGUES. <b>1995</b> , 101, 273-280		6
2036	Enantioselective Hydrolysis of 2, 2-Disubstituted Oxiranes Mediated by Microsomal Epoxide Hydrolase. <b>1995</b> , 25, 3293-3306		3
2035	Modelling the Substrate Binding Domain of Horse Liver Alcohol Dehydrogenase, HLADH, by Computer Aided Substrate Overlay. <b>1995</b> , 479-548		1

2034	Chemo $\blacksquare$ nzymic synthesis of optically active $\blacksquare$ , $\blacksquare$ -disubstituted $\blacksquare$ -amino acids. <b>1995</b> , 553-559	28
2033	Kinetic resolution of sulfoxides with pendant acetoxy groups using cholesterol esterase: substrate mapping and an empirical rule for chiral phenols. <b>1995</b> , 73, 1357-1367	17
2032	Substrate structure and incubation-parameter-dependent selectivities in chiral discrimination of galactopyranosides by 暇alactosidase hydrolysis. <b>1995</b> , 2459-2466	7
2031	Preparation and Lipase-catalyzed Optical Resolution of 2,2,2-Trifluoro-1-(naphthyl) ethanols. <b>1995</b> , 59, 271-276	13
2030	Application of enzymic Baeyer Villiger oxidations of 2-substituted cycloalkanones to the total synthesis of (R)-(+)-lipoic acid. <b>1995</b> , 1563-1564	43
2029	Enantioselective Hydrolysis of (RS)-2-Isopropyl-4?-chlorophenylacetonitrile byPseudomonassp. B21C9. <b>1995</b> , 59, 720-722	14
2028	Biotechnological application of Pseudomonas aeruginosa lipase: efficient kinetic resolution of amines and alcohols. <b>1996</b> , 46, 99-105	66
2027	Immobilization of Aminoacylase on an Anion Exchange Column to Be Used as a Chromatographic Reactor. <b>1996</b> , 799, 533-540	3
2026	Enzymatic Resolution of (R,S)-2-Octanol Catalyzed by Lipase from Pseudomonas Speciesa. <b>1996</b> , 799, 689-696	1
2025	Comparison of microbiologically and enzymatically mediated BaeyerVilliger oxidations: synthesis of optically active caprolactones. <b>1996</b> , 1867-1872	36
2024	Kinetic Resolution of Racemic 2-Substituted 3-Cyclopenten-1-ols by Lipase-Catalyzed Transesterifications: A Rational Strategy To Improve Enantioselectivity. <b>1996</b> , 61, 8610-8616	42
2023	Chemoenzymatic Synthesis and Study of Poly(⊞-methyl-∰ropiolactone) Stereocopolymers. <b>1996</b> , 29, 4582-4590	20
2022	Chemoenzymatic Route to Poly(3-hydroxybutyrate) Stereoisomers. <b>1996</b> , 29, 3857-3861	18
2021	Crown Ethers as Regulators of Enzymatic Reactions: Enhanced Reaction Rate and Enantioselectivity in Lipase-Catalyzed Hydrolysis of 2-Cyano-1-methylethyl Acetate. <b>1996</b> , 61, 2158-2163	67
2020	Efficient Synthesis of Optically Pure 1,1,1-Trifluoro-2-alkanols through Lipase-Catalyzed Acylation in Organic Media. <b>1996</b> , 61, 2332-2336	37
2019	Enzymatic Resolution of (R)- and (S)-2-(1-Hydroxyalkyl)thiazoles, Synthetic Equivalents of (R)- and (S)-2-Hydroxy Aldehydes. <b>1996</b> , 61, 4144-4147	12
2018	Synthesis and Lipase-Catalyzed Resolution of 5-(Hydroxymethyl)-1,3-dioxolan-4-ones: Masked Glycerol Analogs as Potential Building Blocks for Pharmaceuticals. <b>1996</b> , 61, 3423-3427	18
2017	Enzyme-Catalyzed Stereoelective Ring-Opening Polymerization of ∃-Methyl-⊕ropiolactone. <b>1996</b> , 29, 4591-4597	102

2016	Application of Vinyl Esters for the Lipase-catalyzed High-Yield Synthesis of Monoacylglycerols. <b>1996</b> , 799, 757-761	4
2015	Concise Total Syntheses of the Sesquiterpenoids (IJHomalomenol A and (IJHomalomenol B. <b>1996</b> , 61, 8439-8447	19
2014	Sequential biocatalytic resolution of (-)-trans-cyclohexane-1,2-diamine. Chemoenzymatic synthesis of an optically active polyamine. <b>1996</b> , 2471-2472	34
2013	Catalytic antibodiesreaching adolescence?. <b>1996</b> , 13, 479-511	49
2012	Horseradish peroxidase (HRP)-catalysed enantioselective reduction of racemic hydroperoxy homoallylic alcohols: a novel enzymatic method for the preparation of optically active, unsaturated diols and hydroperoxy alcohols. <b>1996</b> , 2701-2702	12
2011	Improved Kinetic Resolution by Enzyme-Catalyzed Parallel Reactions. <i>Biocatalysis and Biotransformation</i> , <b>1996</b> , 13, 179-188	8
2010	Lipase AKG mediated resolutions of $\Box$ , $\Box$ -disubstituted 1,2-diols in organic solvents; remarkably high regio- and enantio-selectivity. <b>1996</b> , 2051-2060	20
2009	Preparation of Optically Active Diol Derivatives by the Enzymatic Hydrolysis of Cyclic Carbonates. <b>1996</b> , 69, 2977-2987	25
2008	Lipase-Catalyzed Transesterification of Aryl-Substituted Alkanols in an Organic Solvent. <b>1996</b> , 69, 1079-1085	53
2007	Highly Stereocontrolled Access to 1,1,1-Trifluoro-2,3-epoxypropane via Lipase-Mediated Kinetic Resolution of 1,1,1-Trifluoro-3-(phenylthio)propan-2-ol and Its Application. <b>1996</b> , 69, 2655-2659	16
2006	Lipase-Catalyzed Practical Synthesis of (R)-1-Benzyl-3-hydroxy-2,5-pyrrolidinedione and Its Related Compounds. <b>1996</b> , 69, 207-215	20
2005	Enantioselectivity of the PPL-catalysed hydrolysis of racemic esters: some cases implying a conformational substrate model. <b>1996</b> , 6, 221-224	3
2004	Application of immobilized lipase in production of camptosar (CPT-11). <b>1996</b> , 73, 1377-1378	8
2003	Optical resolution of 2,2,2-trifluoro-1-(9-phenanthryl)ethanol via enzymatic alcoholysis of its activated ester. <b>1996</b> , 81, 206-211	11
2002	Enzymatic resolution of racemic ibuprofen by lipase-catalyzed esterification reaction: Effects of water content and solid supports. <b>1996</b> , 81, 269-271	42
2001	Effective preparation of optically active 4,4,4-trifluoro-3-(indole-3-)butyric acid, a novel plant growth regulator, using lipase from Pseudomonas fluorescens. <b>1996</b> , 82, 355-360	8
2000	Production of (2R,3S)-3-(4-methoxyphenyl)glycidic acid methyl ester using an emulsion bioreactor containing lipase fromSerratia marcescens. <b>1996</b> , 59, 319-328	5
1999	Studies on the factors that affect stereoselective esterification of (R, S) 2-octanol with octanoic acid catalyzed by lipase in organic solvent. <b>1996</b> , 59, 177-186	1

1998	Enantio and diastereoselectivity of cyclohexanone monooxygenase catalyzed oxidation of 1,3-dithioacetals. <b>1996</b> , 7, 565-570		21	
1997	Preparation of enantiomerically pure ⊞-hydroxymethyl S-tert-Butyl sulfones by Candida antarctica lipase catalyzed resolution. <b>1996</b> , 7, 1253-1256		13	
1996	Enantioselective acylation of alcohols catalyzed by lipase QL from Alcaligenes sp.: A predictive active site model for lipase QL to identify the faster reacting enantiomer of an alcohol in this acylation. <b>1996</b> , 7, 1581-1584		32	
1995	Sex pheromone of pine sawflies: Enantioselective lipase catalysed transesterification of erythro-3,7-dimethylpentadecan-2-ol, diprionol. <b>1996</b> , 7, 3277-3284		18	
1994	Factors influencing enantioselectivity of lipase-catalyzed hydrolysis. <i>Tetrahedron</i> , <b>1996</b> , 52, 5397-5406	2.4	21	
1993	⊞-Fluoro analogues of inflammation inhibiting ⊞-arylpropionic acids. <i>Tetrahedron</i> , <b>1996</b> , 52, 8257-8262	2.4	24	
1992	Convenient lipase-assisted preparation of both enantiomers of suprofen, a non-steroidal anti-inflammatory drug. <i>Chirality</i> , <b>1996</b> , 8, 377-380	2.1	18	
1991	Kinetic resolution of amino acid esters catalyzed by lipases. <i>Chirality</i> , <b>1996</b> , 8, 418-22	2.1	29	
1990	Stereoselective bioconversions in continuously operated fixed bed reactors: Modeling and process optimization. <b>1996</b> , 52, 459-71		31	
1989	Lipase-catalyzed kinetic resolution of trans-2,5-disubstituted pyrrolidine derivatives. <i>Tetrahedron</i> , <b>1996</b> , 52, 565-570	2.4	6	
1988	Microbiological transformation 32: Use of epoxide hydrolase mediated biohydrolysis as a way to enantiopure epoxides and vicinal diols: Application to substituted styrene oxide derivatives. <i>Tetrahedron</i> , <b>1996</b> , 52, 4593-4606	2.4	95	
1987	Biocatalytic approaches to both enantiomers of. <i>Tetrahedron</i> , <b>1996</b> , 52, 8123-8134	2.4	11	
1986	Microbiological transformations. 31: Synthesis of enantiopure epoxides and vicinal diols using fungal epoxide hydrolase mediated hydrolysis. <b>1996</b> , 37, 3319-3322		23	
1985	Microbiological transformations 34: Enantioselective hydrolysis of a key-lactone involved in the synthesis of the antidepressant milnacipran (). <b>1996</b> , 37, 4519-4522		14	
1984	Thiacrown ether as regulator of lipase-catalyzed trans-esterification in organic media: Practical optical resolution of allyl alcohols. <b>1996</b> , 37, 4991-4992		43	
1983	1-Ethoxyvinyl acetate as a novel, highly reactive, and reliable acyl donor for enzymatic resolution of alcohols. <b>1996</b> , 37, 7369-7372		30	
1982	Significant effect of acyl groups on enantioselectivity in lipase-catalyzed transesterifications. <b>1996</b> , 7, 625-628		40	
1981	Nitrile oxides in medicinal chemistry. 6. Enzymatic resolution of a set of bicyclic <b>2</b> -isoxazolines. <b>1996</b> , 7, 787-796		9	

1980	Preparation of homochiral (S)- and (R)-1-(2-furyl)ethanols by lipase-catalyzed transesterification. <b>1996</b> , 7, 907-910		27
1979	Lipase-catalysed kinetic resolution of phenylethan-1,2-diol by sequential transesterification <b>(t</b> he influence of the solvent. <b>1996</b> , 7, 971-974		23
1978	Highly selective resolution of secondary alcohols and acetoacetates with lipases and diketene in organic media. <b>1996</b> , 7, 1153-1158		30
1977	Chemoenzymatic route to		30
1976	Regioselectivity of Rhodococcus NCIMB 11216 epoxide hydrolase: applicability of E-values for description of enantioselectivity depends on substrate structure. <b>1996</b> , 7, 2041-2046		33
1975	Kinetic resolution of racemic ⊞-hydroxy ketones by lipase-catalyzed irreversible transesterification. <b>1996</b> , 7, 2207-2210		48
1974	S-(I)2-acetoxymethyl-2,5-dihydrothiophene via enzymatic resolution. <b>1996</b> , 7, 2493-2496		5
1973	Enantioselective acylation of primary and secondary alcohols catalyzed by lipase QL from Alcaligenes sp.: A predictive active site model for lipase QL to identify which enantiomer of an alcohol reacts faster in this acylation. <b>1996</b> , 7, 3285-3294		75
1972	Chemoenzymatic synthesis of both enantiomers of cispentacin. <b>1996</b> , 7, 3565-3572		33
1971	Lipase-catalyzed enantioselective esterifications using different microemulsion-based gels. <b>1996</b> , 274, 540-547		24
1970	Separation of by enzymatic hydrolysis: Preference for diequatorial isomers. <b>1996</b> , 37, 9029-9032		3
1969	Highly efficient enzymatic resolution of homoallyl alcohols leading to a simple synthesis of optically pure fluoxetine and related compounds. <b>1996</b> , 37, 9253-9254		19
1968	Enantioselective synthesis through enzymatic asymmetrization. <i>Tetrahedron</i> , <b>1996</b> , 52, 3769-3826 2.	4	302
1967	Selectivity enhancement of PPL-catalyzed resolution by enzyme fractionation and medium engineering: Syntheses of both enantiomers of tetrahydropyran-2-methanol. <b>1996</b> , 19, 361-366		9
1966	Novel bacterial isolates for the resolution of esters of tertiary alcohols. <b>1996</b> , 18, 1331-1334		11
1965	Enzymatic catalysis in supercritical carbon dioxide: Comparison of different lipases and a novel esterase. <b>1996</b> , 18, 79-84		32
1964	Alteration of the reaction rate in the esterification of (R,S) ibuprofen by addition of crown ether or porphyrin. <b>1996</b> , 18, 85-90		5
1963	The dependency of the stereoselectivity of penicillin amidases-enzymes with R-specific S1- and S-specific S?1-subsites- on temperature and primary structure. <b>1996</b> , 18, 455-460		8

1962	Improvement (5-fold) of enantioselectivity for lipase-catalyzed esterification of a bulky substrate at 57°c in organic solvent. <b>1996</b> , 10, 625-628		8
1961	Lipase-catalysed kinetic resolution of ethyl D,L-2-amino-4-phenylbutyrate by hydrolysis. <b>1996</b> , 10, 353		4
1960	A structural basis for enantioselective inhibition of Candida rugosa lipase by long-chain aliphatic alcohols. <b>1996</b> , 5, 83-8		59
1959	Rational Control of Enzymatic Enantioselectivity through Solvation Thermodynamics. <i>Journal of the American Chemical Society</i> , <b>1996</b> , 118, 10365-10370	16.4	54
1958	The role of Glu87 and Trp89 in the lid of Humicola lanuginosa lipase. <b>1996</b> , 9, 519-24		58
1957	5 Synthetic Methods for Enantiomers of Drugs. <b>1997</b> , 203-261		2
1956	Kinetic and Enantioselective Behaviour of Isoenzymes A and B from Candida Rugosa Lipase in the Hydrolysis of Lipids and Esters. <i>Biocatalysis and Biotransformation</i> , <b>1997</b> , 15, 75-89	2.5	12
1955	Biotransformation of non-natural compounds: State of the art and future development. <b>1997</b> , 69, 1613	-1632	51
1954	[19] Ester synthesis via acyl transfer (Transesterification). <b>1997</b> , 406-443		16
1953	Solvent Induced Change of Enzyme Enantioselectivity: Rule Or Exception?. <i>Biocatalysis and Biotransformation</i> , <b>1997</b> , 15, 175-184	2.5	15
1952	[24] Stabilization of lipases against deactivation by acetaldehyde formed in acyl transfer reactions. <b>1997</b> , 509-518		15
1951	EPC-Synthese durch dynamische Differenzierung von Stereoisomeren. <b>1997</b> , 45, 789-793		1
1950	Preparation of Sulfur-Containing Optically Active Secondary Alcohols Based onPichia farinosa-Catalyzedanti-Prelog-Rule Reduction as the Key Step. <b>1997</b> , 70, 483-491		26
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1944	Enzymatic Resolution of 2,2,2-Trifluoro-1-(1-pyrenyl)ethanol with Lipases. 1997, 61, 194-196	8
1943	Preparation of Optically Active Tertiary Alcohols by Enzymatic Methods. Application to the Synthesis of Drugs and Natural Products. <b>1997</b> , 62, 4349-4357	61
1942	Thiacrown Ether Technology in Lipase-Catalyzed Reaction: Scope and Limitation for Preparing Optically Active 3-Hydroxyalkanenitriles and Application to Insect Pheromone Synthesis. <b>1997</b> , 62, 9165-9172	58
1941	Enhancement of the Enantioselectivity in Lipase-Catalyzed Kinetic Resolutions of 3-Phenyl-2H-azirine-2-methanol by Lowering the Temperature to 🛭 °C. <b>1997</b> , 62, 4906-4907	111
1940	Lipase-catalysed resolution of gamma- and delta-lactones. <b>1997</b> , 56, 129-33	32
1939	A Three-Dimensional Predictive Active Site Model for Lipase from Pseudomonas cepacia. <b>1997</b> , 62, 6268-6273	68
1938	[20] Cross-linked enzyme crystals of lipases as catalysts for kinetic resolution of acids and alcohols. <b>1997</b> , 443-464	18
1937	[18] Kinetics, molecular modeling, and synthetic applications with microbial lipases. <b>1997</b> , 386-405	11
1936	Synthesis and pharmacological characterization of aminocyclopentanetricarboxylic acids: new tools to discriminate between metabotropic glutamate receptor subtypes. <b>1997</b> , 40, 3119-29	124
1935	Production, purification, and characterization of a highly enantioselective (S )-N-acetyl-1-phenylethylamine amidohydrolase from Rhodococcus equi Ac6. <b>1997</b> , 47, 515-520	8
1934	Activity enhancement of pig liver esterase in organic solvents by colyophilization with methoxypolyethylene glycol: kinetic resolution of alcohols. <b>1997</b> , 8, 3657-3664	19
1933	The enantiomeric purity of alcohols formed by enzymatic reduction of ketones can be improved by optimisation of the temperature and by using a high co-substrate concentration. <b>1997</b> , 1336, 51-8	30
1932	Epoxide hydrolases as asymmetric catalysts. <i>Tetrahedron</i> , <b>1997</b> , 53, 15617-15662	87
1931	Chemoenzymatic synthesis of (R)-(+)- $\mathbb{H}$ -(4-fluorophenyl)-4-(2-pyrimidinyl)-1-piperazinebutanol and (R)-(+)- $\mathbb{H}$ -(4-fluorophenyl)-4-methyl-1-piperidinebutanol as potential antipsychotic agents. 2.4 <i>Tetrahedron</i> , <b>1997</b> , 53, 15115-15122	3
1930	New enzymatic and chemical approaches to enantiopure etodolac. <i>Tetrahedron</i> , <b>1997</b> , 53, 17769-17780 2.4	16
1929	Application of lipase-catalyzed transformations for the synthesis of insect pheromones and related compounds. <b>1997</b> , 2, 257-269	13
1928	Enantioselectivity of lipases: effects of water activity. <b>1997</b> , 3, 221-230	69
1927	Synthesis of chiral building blocks for organic synthesis via lipase-catalyzed reaction: New method of enhancing enzymatic reaction enantioselectivity. <b>1997</b> , 3, 259-270	31

1926	Purification and characterization of recombinant esterase from Pseudomonas putida MR-2068 and its application to the optical resolution of dimethyl methylsuccinate. <b>1997</b> , 83, 535-539	11
1925	Probing the substrate specificity for lipases. II. Kinetic and modeling studies on the molecular recognition of 2-arylpropionic esters by Candida rugosa and Rhizomucor miehei lipases. <b>1997</b> , 1337, 302-10	27
1924	Temperature effects on S1- and S'1-enantioselectivity of alpha-chymotrypsin. <b>1997</b> , 1343, 130-8	21
1923	Marked dependence on temperature of enantioselectivity in the Aspergillus oryzaeprotease-catalyzed hydrolysis of amino acid esters. <b>1997</b> , 11, 931-933	5
1922	The effects of reformulating buffer species and their concentrations on subtilisin-catalyzed optical resolution of racemic 1-phenylethylamine in 3-methyl-3-pentanol. <b>1997</b> , 2, 43-47	
1921	Enantioselectivity of enzymatic acylation of some structurally various racemic alcohols in anhydrous aprotic media. <b>1997</b> , 46, 171-183	6
1920	Enzymes in organic synthesis. 27. Lipase-Catalyzed Synthesis of (5R,6S)-6-Acetoxyalkan-5-olides Inhomologues of the mosquito oviposition attractant pheromone. <b>1997</b> , 339, 434-440	6
1919	Lipase catalysed resolution of (R)- and (S)-1-trimethylsilyl-1-alkyn-3-ols: useful intermediates for the synthesis of optically active Elactones. <b>1997</b> , 8, 93-99	24
1918	Correlation between distance of the perturbing groups and enantioselectivity of the lipase catalyzed acetylation of acyclic sec alcohols. <b>1997</b> , 8, 1-4	7
1917	Candida antarctica lipase catalyzed resolution of ethyl (–́)-3-aminobutyrate. <b>1997</b> , 8, 37-40	62
1916	Lipase-catalysed resolution of cis-1-ethoxycarbonyl-2-hydroxy-cyclohexane: Enantioselective total synthesis of 10-ethyl-trinem. <b>1997</b> , 8, 15-17	15
1915	Biocatalytic resolution of 2-methyl-2-(aryl)alkyloxiranes using novel bacterial epoxide hydrolases. <b>1997</b> , 8, 65-71	61
1914	Synthesis of planar chiral [2.2]paracyclophanes by biotransformations: kinetic resolution of 4-formyl-[2.2]paracyclophane by asymmetric reduction. <b>1997</b> , 8, 319-325	39
1913	Lipase-catalyzed kinetic resolution of 3-chloro-2-hydroxyalkanoates. Its application for the synthesis of (I-disparlure. <b>1997</b> , 8, 375-379	15
1912	Resolution of non-protein amino acids via microbial protease-catalyzed ester hydrolysis: marked enhancement of enantioselectivity by the use of esters with longer alkyl chains and at low temperature. <b>1997</b> , 8, 367-370	31
1911	Structure versus enantioselectivity in Pseudomonas cepacia lipase catalysed transesterifications. Enantioselective acylations of primary 2-methylalcohols. <b>1997</b> , 8, 983-986	12
1910	Enzymatic preparation of optically active ⊞-methylene flactones by lipase-catalyzed kinetic resolution through asymmetric transesterification. <b>1997</b> , 8, 833-836	30
1909	Optimized double kinetic resolution for the preparation of (S)-solketal. <b>1997</b> , 8, 923-933	37

1908	Enzymatic resolution of (-)-6-(5-chloropyridin-2-yl)-6-vinyloxy-carbonyloxy-6,7-dihydro[5H]pyrrolo[3,4-b]pyrazin-5-one. Synthesis of (+)-zopiclone. <b>1997</b> , 8, 995-997	38
1907	Kinetic resolutions: evaluation of a one dimensional E value calculation method using a computer and statistical software. <b>1997</b> , 8, 1153-1156	6
1906	Kinetic resolution of hydroxy vinylsilanes by lipase-catalyzed enantioselective acetylation. <b>1997</b> , 8, 1441-1444	9
1905	The enantioselectivity of lipase PS in chlorinated solvents increases as a function of substrate conversion. <b>1997</b> , 8, 2167-2173	11
1904	Biocatalytic kinetic resolution of hydroperoxy vinylsilanes by horseradish peroxidase (HRP) and lipases, a comparative study. <b>1997</b> , 8, 1947-1950	5
1903	Lipase-catalyzed resolution of both enantiomers of Ornidazole and some analogues. <b>1997</b> , 8, 2453-2464	25
1902	Candida antarctica B lipase catalysed resolution of (–́)-1-(heteroaryl)ethylamines. <b>1997</b> , 8, 2675-2677	49
1901	Enzymatic resolution of (-´)-trans-2-aminocyclohexanol and (-´)-trans-2-aminocyclopentanol. <b>1997</b> , 8, 3153-315	932
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1897	A computer program for analysis, simulation and optimization of asymmetric catalytic processes proceeding through two consecutive steps. Type 2: sequential kinetic resolutions. <b>1997</b> , 8, 3263-3274	25
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1887	Synthesis of (2?S,3?S)-9-(4?-phosphono-4?,4?-difluoro-2?,3?-methanobutyl)guanine and its enantiomer. Evaluation of the inhibitory activity for purine nucleoside phosphorylase. <i>Tetrahedron</i> , <b>1997</b> , 53, 11297-11306	2.4	25
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1881 1880	The enantiomeric ratio: origin, determination and prediction. <b>1997</b> , 21, 559-571  Asymmetric hydrolysis of racemic para-nitrostyrene oxide using an epoxide hydrolase preparation from Aspergillus niger. <b>1997</b> , 20, 446-452		193 60
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1880 1879 1878 1877	Asymmetric hydrolysis of racemic para-nitrostyrene oxide using an epoxide hydrolase preparation from Aspergillus niger. 1997, 20, 446-452  Lipase-catalyzed kinetic resolution of (R,S)-1-phenylethyl propionate in an enzyme membrane reactor. 1997, 17, 253-263  Quantitative Analysis of Enzyme-Mediated Hydrolytic Processes and Their Products Using HPLC and NMR Techniques. 1997, 80, 818-831  Analysis of a lipase-catalyzed kinetic resolution by chiral normal-phase liquid chromatography. 1997, 11, 289-95  Asymmetric hydrolyses of 1,2- and 1,3-diacetoxycyclohexanes with the cultured suspension cells of Marchantia polymorpha. <i>Chirality</i> , 1997, 9, 250-253	2.1	60 13 5 5 8

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1818	Microbiological transformations. Part 42: A two-liquid-phase preparative scale process for an epoxide hydrolase catalysed resolution of para-bromo-⊞-methyl styrene oxide. Occurrence of a surprising enantioselectivity enhancement. <b>1998</b> , 9, 1839-1842	33
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1758	A tandem enzyme reaction to produce optically active halohydrins, epoxides and diols. <b>1999</b> , 10, 2863-2870	58
1757	Enantioselective oxidation of (RS)-2-phenyl-1-propanol to (S)-2-phenylpropanoic acid with Gluconobacter oxydans: simplex optimization of the biotransformation. <b>1999</b> , 10, 3003-3009	30
1756	Stereospecific enzymatic hydrolysis of racemic epoxide: a process for making chiral epoxide. <b>1999</b> , 10, 3167-3175	37
1755	Enantioselectivities of yeast epoxide hydrolases for 1,2-epoxides. <b>1999</b> , 10, 3327-3336	39
1755 1754	Enantioselectivities of yeast epoxide hydrolases for 1,2-epoxides. <b>1999</b> , 10, 3327-3336  Resolution of 3naphthoxy-1,2-propanediol using Candida antarctica lipase. <b>1999</b> , 10, 3507-3514	39 7
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1754	Resolution of 3-⊞-naphthoxy-1,2-propanediol using Candida antarctica lipase. <b>1999</b> , 10, 3507-3514	7
1754 1753	Resolution of 3-H-naphthoxy-1,2-propanediol using Candida antarctica lipase. <b>1999</b> , 10, 3507-3514  Enzymatic synthesis of enantio- and diastereomerically enriched syn-3-nitro-2-pentanol. <b>1999</b> , 10, 3681-3690  Enzyme-catalysed improved resolution of	7
1754 1753 1752	Resolution of 3naphthoxy-1,2-propanediol using Candida antarctica lipase. 1999, 10, 3507-3514  Enzymatic synthesis of enantio- and diastereomerically enriched syn-3-nitro-2-pentanol. 1999, 10, 3681-3690  Enzyme-catalysed improved resolution of (RS)-4-cyano-4-(3,4-dimethoxyphenyl)-4-isopropyl-1-butanol. 1999, 10, 3759-3767  Lipase-catalyzed synthesis of a tri-substituted cyclopropyl chiral synthon: a practical method for	7 11 10
1754 1753 1752 1751	Resolution of 3-II-naphthoxy-1,2-propanediol using Candida antarctica lipase. 1999, 10, 3507-3514  Enzymatic synthesis of enantio- and diastereomerically enriched syn-3-nitro-2-pentanol. 1999, 10, 3681-3690  Enzyme-catalysed improved resolution of (RS)-4-cyano-4-(3,4-dimethoxyphenyl)-4-isopropyl-1-butanol. 1999, 10, 3759-3767  Lipase-catalyzed synthesis of a tri-substituted cyclopropyl chiral synthon: a practical method for preparation of chiral 1-alkoxycarbonyl-2-oxo-3-oxabicyclo[3.1.0]hexane. 1999, 10, 3819-3825	7 11 10 8
1754 1753 1752 1751 1750	Resolution of 3naphthoxy-1,2-propanediol using Candida antarctica lipase. 1999, 10, 3507-3514  Enzymatic synthesis of enantio- and diastereomerically enriched syn-3-nitro-2-pentanol. 1999, 10, 3681-3690  Enzyme-catalysed improved resolution of (RS)-4-cyano-4-(3,4-dimethoxyphenyl)-4-isopropyl-1-butanol. 1999, 10, 3759-3767  Lipase-catalyzed synthesis of a tri-substituted cyclopropyl chiral synthon: a practical method for preparation of chiral 1-alkoxycarbonyl-2-oxo-3-oxabicyclo[3.1.0]hexane. 1999, 10, 3819-3825  Enantiomerically pure N-aryl-mino alcohols by enzymatic resolution. 1999, 10, 3663-3666  Switched enantiopreference of Humicola lipase for 2-phenoxyalkanoic acid ester homologs can be rationalized by different substrate binding modes. 1999, 10, 4191-4202	7 11 10 8 8

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1745	Resolution of racemic 2-amino-1-butanol with immobilised penicillin G acylase. <b>1999</b> , 10, 4495-4500	28
1744	Enzymatic resolution of a 1,2-cyclic sulphite glycerol derivative. <b>1999</b> , 10, 4755-4762	8
1743	Potential of enzymatic kinetic resolution using solid substrates suspension: improved yield, productivity, substrate concentration, and recovery. <b>1999</b> , 15, 216-27	4
1742	Significant enhancement of lipase enantioselectivity toward (S)- Ketoprofen ester at pH 2. <b>1999</b> , 21, 143-146	31
1741	Overexpression and characterization of an esterase from Streptomyces diastatochromogenes. <b>1999</b> , 21, 101-104	18
1740	Resolution of 2-cyano-2-methylalkanoic acids via porcine pancreatic lipase-catalyzed enantioselective ester hydrolysis: effect of the alcohol moiety of the substrate ester on enantioselectivity. <b>1999</b> , 21, 309-312	8
1739	Lipase-catalyzed esterification of 2-(4-substituted phenoxy)propionic acids in organic solvents: substituent effect controlling enantioselectivity toward racemic acids. <b>1999</b> , 21, 865-868	9
1738	Resolution of 2,2-diphenyl-1,3-dioxolane-4-methanol via Rhizopus sp. lipase-catalyzed enantioselective transesterification with vinyl butanoate. <b>1999</b> , 21, 447-450	4
1737	Optical resolution of 2-(3-indolyl)propionic acid with Mucor javanicus and ⊞-chymotrypsin. <b>1999</b> , 21, 457-461	8
1736	⊞-Chymotrypsin-catalyzed enantioselective amidation of chiral amines using an N-protected amino acid carbamoylmethyl ester as acyl donor. <b>1999</b> , 21, 725-728	3
1735	Chromobacterium viscosum lipase catalyzes the transesterifications at the carboxyl site as well as the hydroxy site during the enzymatic enantioselective alcoholysis of O-acylated mandelates. <b>1999</b> , 21, 1023-1027	1
1734	Enzymatic resolution of 3-(3-indolyl)butyric acid: a key intermediate for indolmycin synthesis. <b>1999</b> , 15, 631-633	
1733	Lipase-catalyzed synthesis of (S)-naproxen ester prodrug by transesterification in organic solvents. <b>1999</b> , 80, 205-19	5
1732	Enzymatic resolution of amino acids via ester hydrolysis. <b>1999</b> , 16, 191-213	43
1731	Synthesis of 9Z,11E-octadecadienoic and 10E,12Z-octadecadienoic acids, the major components of conjugated linoleic acid. <b>1999</b> , 34, 879-84	14
1730	Enzymatic synthesis of l-menthyl esters in organic solvent-free system. <b>1999</b> , 76, 1139-1142	29
1729	pH dependence of penicillin amidase enantioselectivity for charged substrates. <b>1999</b> , 1433, 327-34	9

1728	On the kinetics of the enzyme-catalyzed hydrolysis of axial chiral alkyl allenecarboxylates: preparation of optically active R-(I)-2-ethyl-4-phenyl-2,3-hexadiene-carboxylic acid and its optically pure S-(+)-methylester. <b>1999</b> , 6, 51-57		13
1727	Lipase-catalyzed enantioselective deacetylation of ortho-substituted phenyl acetates with 1-butanol in organic solvents. <b>1999</b> , 6, 447-451		7
1726	Asymmetric syntheses of nitroalkanols using Pseudomonas sp. lipase: a proposal for the selection of the solvent system of lipase-catalyzed transesterification. <b>1999</b> , 7, 291-297		18
1725	Preparation of optically active trifluoromethylated (3'-indolyl) thiacarboxylic acids, novel plant growth regulators, through lipase-catalyzed enantioselective hydrolysis. <i>Journal of Bioscience and Bioengineering</i> , <b>1999</b> , 87, 76-81	3.3	8
1724	Lipase-catalyzed kinetic resolution of 2,3-epoxy-1-tridecanol and its application to facile synthesis of (+)-disparlure. <i>Journal of Bioscience and Bioengineering</i> , <b>1999</b> , 87, 103-4	3.3	5
1723	Production of optically active ketoprofen by direct enzymatic esterification. <i>Journal of Bioscience and Bioengineering</i> , <b>1999</b> , 87, 545-7	3.3	23
1722	Purification and characterization of a highly enantioselective epoxide hydrolase from Aspergillus niger. <b>1999</b> , 263, 386-95		54
1721	Reduction of Keto Esters with a Reductase: Construction of Plural Stereocenters Remote from the Reaction Center. <i>Bioorganic Chemistry</i> , <b>1999</b> , 27, 3-19	5.1	7
1720	Enzymatic synthesis of optically active ferrocenes by immobilized lipase from Candida Antarctica. <b>1999</b> , 74, 501-508		10
1719	Quick analysis of enantioselectivity by a chromatographic reactor: II. Experimental verification. <b>1999</b> , 74, 974-978		3
1718	Chemoenzymatic Synthesis of (4S)- and (4R)-4-Methyl-2-oxoglutaric Acids, Precursors of Glutamic Acid Analogues. <b>1999</b> , 1999, 3403-3406		7
1717	Gas chromatographic enantiomer separation of C-3 and C-4 synthons: prediction of absolute configuration from elution order and enzymatic resolution. <i>Chirality</i> , <b>1999</b> , 11, 760-7	2.1	16
1716	Lipase-catalyzed resolution of glycerol-based racemates. <i>Chirality</i> , <b>1999</b> , 11, 432-439	2.1	6
1715	Resolution of racemic carboxylic acids via the lipase-catalyzed irreversible transesterification of vinyl esters. <i>Chirality</i> , <b>1999</b> , 11, 554-60	2.1	17
1714	Directed evolution of an esterase from Pseudomonas fluorescens. Random mutagenesis by error-prone PCR or a mutator strain and identification of mutants showing enhanced enantioselectivity by a resorufin-based fluorescence assay. <b>1999</b> , 380, 1029-33		85
1713	Ruthenium- and Enzyme-Catalyzed Dynamic Kinetic Resolution of Secondary Alcohols. <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 1645-1650	16.4	332
1712	Biocatalytic Synthesis of Optically Active $\oplus$ -Oxyfunctionalized Carbonyl Compounds. <b>1999</b> , 32, 837-845		70
1711	The Use of Vinyl Esters Significantly Enhanced Enantioselectivities and Reaction Rates in Lipase-Catalyzed Resolutions of Arylaliphatic Carboxylic Acids. <b>1999</b> , 64, 1709-1712		57

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1710	of Enthalpy and Entropy to Enzymatic Enantioselectivity. <i>Biocatalysis and Biotransformation</i> , <b>1999</b> , 17, 61-79	5	52	
1709	Enzymatic Resolution Of 3-Butene-1, 2-Diol In Organic Solvents And Optimization Of Reaction Conditions. <i>Biocatalysis and Biotransformation</i> , <b>1999</b> , 17, 241-250	5	6	
1708	Practical Synthesis of BILA 2157 BS, a Potent and Orally Active Renin Inhibitor: Use of an Enzyme-Catalyzed Hydrolysis for the Preparation of Homochiral Succinic Acid Derivatives. <b>1999</b> , 64, 6622-6	5634	4 <sup>24</sup>	
1707	A Practical Preparation of Thiol Carboxylic Esters of 2-(Isoxazolyl) Acetic Acids. <b>1999</b> , 29, 3811-3820		1	
1706	Low enantioselectivities of human deoxycytidine kinase and human deoxyguanosine kinase with respect to 2'-deoxyadenosine, 2'-deoxyguanosine and their analogs. <b>1999</b> , 81, 1041-7		12	
1705	Resolution of (+/-)-1-Aryl-2-propynylamines via Acyltransfer Catalyzed by Candida antarctica Lipase. <b>1999</b> , 64, 3767-3769		48	
1704	First evaluation of the Brazilian microorganisms biocatalytic potential. <b>1999</b> , 38, 2237-42		22	
1703	Microbiological Transformations 43. Epoxide Hydrolases as Tools for the Synthesis of Enantiopure ⊞-Methylstyrene Oxides: A New and Efficient Synthesis of ()-Ibuprofen. <b>1999</b> , 64, 5029-5035		57	
1702	Protease-Mediated Separation of Cis and Trans Diastereomers of 2(R,S)-benzyloxymethyl-4(S)-carboxylic Acid 1,3-Dioxolane Methyl Ester: Intermediates for the Synthesis of Dioxolane Nucleosides. <b>1999</b> , 64, 9019-9029		25	
1701	Candida antarctica Lipase-Catalyzed Doubly Enantioselective Aminolysis Reactions. Chemoenzymatic Synthesis of 3-Hydroxypyrrolidines and 4-(Silyloxy)-2-oxopyrrolidines with Two Stereogenic Centers. <b>1999</b> , 64, 1464-1470		41	
1700	Chemoenzymatic Syntheses of Optically Active Polyacrylates. <b>1999</b> , 32, 6065-6068		3	
1699	Systematic Synthesis of Multifluorinated alpha,alpha-Difluoro-gamma-lactones through Intramolecular Radical Cyclization. <b>1999</b> , 64, 252-265		44	
1698	Selection of Pure Enantiomers of 1-Phenyl Alcohols by Sequenced Processes of Ester Hydrolysis and Transesterification in Enzyme Membrane Reactors. <b>1999</b> , 34, 2663-2678		6	
1697	A Practical Synthesis of (1S,2R)-1-Amino-2-indanol, a Key Component of an HIV Protease Inhibitor, Indinavir. <b>1999</b> , 72, 1093-1100		18	
1696	Thiocrown Ether Additive Effects on Diastereoselectivity of the Lipase-Catalyzed Reaction: Preparation of Optically Active 3-Hydroxy-2-methylalkanenitriles through a Double Enzymatic Reaction Strategy. <b>1999</b> , 72, 1589-1595		6	
1695	Chemoenzymatic Preparation of Enantiomerically Pure S(+)-2-Arylpropionic Acids with Anti-inflammatory Activity. <b>2000</b> , 659-702			
1694	Compensation Effect between Differential Activation Enthalpy and Entropy in Subtilisin-Catalyzed Kinetic Resolutions of Secondary Alcohols. <b>2000</b> , 29, 782-783		6	
1693	Activity And Enantioselectivity Of Modified Lipases In Organic Solvents. <i>Biocatalysis and Biotransformation</i> , <b>2000</b> , 18, 59-77	5	8	

1692	The influence of the mode of enzyme preparation on enzymatic enantioselectivity in organic solvents and its temperature dependence. <b>1996</b> , 51, 95-9	31
1691	Extraordinary enantiospecificity of lipase catalysis in organic media induced by purification and catalyst engineering. <b>1996</b> , 52, 296-300	25
1690	Effect of mass-transfer limitations on the selectivity of immobilized ⊞-chymotrypsin biocatalysts prepared for use in organic medium. <b>2000</b> , 67, 319-326	9
1689	Enzymatic resolution of (S)-(+)-naproxen in a trapped aqueous-organic solvent biphase continuous reactor. <b>2000</b> , 68, 78-83	25
1688	Improving lipase enantioselectivity in organic solvents by forming substrate salts with chiral agents. <b>2000</b> , 69, 577-83	17
1687	Enzyme in organischen Lßungsmitteln: Eigenschaften und Einsatz in der Synthese. <b>2000</b> , 112, 2312-2341	51
1686	Properties and Synthetic Applications of Enzymes in Organic Solvents. <b>2000</b> , 39, 2226-2254	578
1685	Enantioselective Hydrolysis of Functionalized 2,2-Disubstituted Oxiranes with Bacterial Epoxide Hydrolases. <b>2000</b> , 2000, 3703-3711	18
1684	Lipase-catalysed kinetic resolution of hydroxymethylchromanes. <b>2000</b> , 37, 991-995	5
1683	Effects of hydrolysis and esterification side-reactions on the kinetic resolution of enzyme-catalyzed irreversible transesterification in organic solvents. <b>2000</b> , 55, 4571-4582	8
1682	Highly enantioselective esterification of racemic ibuprofen in a packed bed reactor using immobilised Rhizomucor miehei lipase. <b>2000</b> , 27, 157-166	59
1681	Clues for the existence of two different epoxide hydrolase activities in the fungus Beauveria bassiana. <b>2000</b> , 26, 414-420	13
1680	Enhancement of Selectivity and Reactivity of Lipases by Additives. <i>Tetrahedron</i> , <b>2000</b> , 56, 2905-2919 2.4	128
1679	Lipase-mediated resolution of racemic benzo-15-crown-5 ether derivatives. <b>2000</b> , 41, 2125-2127	6
1678	Determination of the absolute configuration of partly fluorinated allylic alcohols; the first synthesis of optically pure 1,2-difluoroallylic alcohols. <b>2000</b> , 41, 7889-7892	16
1677	Comparative study of conformational effects on stereoselective lipase catalysed acetylation of sec hydroxy groups in diastereomeric 14-membered lactones and their acyclic analogs. <b>2000</b> , 41, 9135-9138	6
1676	Convenient route to both enantiomers of chiral 5-hydroxypyrrolidin-2-one and 5-hydroxy-1,5-dihydropyrrol-2-one: reverse enantioselectivity in lipase-catalyzed kinetic resolution. <b>2000</b> , 41, 9859-9863	13
1675	Enzymatic resolution of (–́)-1-ferrocenylethylamine. <b>2000</b> , 11, 1047-1050	8

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1674	Chemoenzymatic synthesis of optically active 4-methyl-tetrahydro-5-oxo-2-furancarboxylic acids and esters. <b>2000</b> , 11, 1353-1366	9
1673	Improvement of enantioselectivity in kinetic resolution of a primary alcohol through lipase-catalyzed transesterification by using a chiral acyl donor. <b>2000</b> , 11, 1199-1210	23
1672	Enzymatic one-pot resolution of two nucleophiles: alcohol and amine. <b>2000</b> , 11, 1459-1463	21
1671	Highly enantioselective preparation of C2-symmetrical diols: microbial hydrolysis of cyclic carbonates. <b>2000</b> , 11, 1965-1973	24
1670	Synthesis of (R)-4,4,4-trifluoro-2-mercaptobutyric acid. <b>2000</b> , 11, 2125-2131	12
1669	Lipase catalyzed kinetic resolution of aryl ⊪ydroxy ketones. <b>2000</b> , 11, 2049-2052	20
1668	Synthesis of optically active ⊞-methylene 且actones through lipase-catalyzed kinetic resolution. <b>2000</b> , 11, 2239-2243	11
1667	Chemoenzymatic synthesis of antiinflammatory drugs in enantiomerically pure form. <b>2000</b> , 11, 2403-2407	15
1666	Resolution of racemic 1-azido-3-aryloxy-2-propanols by lipase-catalyzed enantioselective acetylation. <b>2000</b> , 11, 2719-2732	36
1665	An efficient enantioselective synthesis of (R,R)-formoterol, a potent bronchodilator, using lipases. <b>2000</b> , 11, 2705-2717	37
1664	Efficient preparation of enantiomerically pure (E)-thydroxy-日,和nsaturated p-tolylsulfoxides using lipase-mediated acylations. <b>2000</b> , 11, 2991-3001	9
1663	Enzymic resolution of an ⊞-methylene-⊞actonic ester. <b>2000</b> , 11, 3263-3267	13
1662	Lipase-catalyzed kinetic resolution of ethyl 3-aryl-3-hydroxypropionate: preparation of the side chain of a novel carbapenem, J-114,870. <b>2000</b> , 11, 3609-3617	4
1661	Acylase I in the alcoholysis of ⊞-substituted dicarboxylic acid esters and derivatives: enantio- and regioselectivity. <b>2000</b> , 11, 3957-3966	20
1660	Preparation of (R)-(1-adamantyl)glycine and (R)-2-(1-adamantyl)-2-aminoethanol: a combination of cobalt-mediated Retoester alkylation and enzyme-based aminoalcohol resolution. <b>2000</b> , 11, 4549-4557	22
1659	Regio- and enantioselective hydrolysis of phenyloxiranes catalyzed by soluble epoxide hydrolase. <b>2000</b> , 11, 4451-4462	19
1658	Rapid screening of hydrolases for the enantioselective conversion of difficult-to-resolved substrates. <b>2000</b> , 11, 4781-4790	64
1657	(alphaMe)Nva: stereoselective syntheses and preferred conformations of selected model peptides. <b>2000</b> , 56, 283-97	16

1656	Chemoenzymatic approach to novel chiral difunctionalised ferrocenes. <b>2000</b> , 11, 815-822		13
1655	Microbial transformation of 2-hydroxy and 2-acetoxy ketones with Geotrichum sp. <b>2000</b> , 8, 1129-37		52
1654	Inverting enantioselectivity by directed evolution of hydantoinase for improved production of L-methionine. <b>2000</b> , 18, 317-20		287
1653	Chemoenzymatic Synthesis of Optically Active 2-Phenyl-2-(1H-1,2,4-triazol-1-ylmethyl)hexanenitrile. <i>Tetrahedron</i> , <b>2000</b> , 56, 1309-1314	2.4	25
1652	Enantioselective Synthesis of the Metabolites of Vasopressin V2 Receptor Antagonist OPC-31260 via Lipase-Catalyzed Transesterification. <i>Tetrahedron</i> , <b>2000</b> , 56, 4667-4682	2.4	17
1651	Enzyme-Mediated Preparation of Optically Active 1,2-Diols Bearing a Long Chain: Enantioselective Hydrolysis of Cyclic Carbonates. <i>Tetrahedron</i> , <b>2000</b> , 56, 9281-9288	2.4	45
1650	Highly efficient kinetic resolution of 2-cyclohexenyl acetate in Pd-catalyzed allylic alkylation. <b>2000</b> , 41, 5435-5439		77
1649	Asymmetric synthesis of (Pparoxetine using PLE hydrolysis. 2000, 41, 5647-5651		98
1648	Enhancing effect of Tween-80 on lipase performance in enantioselective hydrolysis of ketoprofen ester. <b>2000</b> , 10, 523-529		103
1647	Optimized methods for the preparation of (S)-2-hydroxy-2-phenylpropanenitrile exploiting (R)-oxynitrilase in almond meal. <b>2000</b> , 11, 37-43		12
1646	Enantioselective oxidation of amphetamine by copper-containing quinoprotein amine oxidases from Escherichia coli and Klebsiella oxytoca. <b>2000</b> , 11, 81-88		18
1645	The enantioselectivity of quinohaemoprotein alcohol dehydrogenases: mechanistic and structural aspects. <b>2000</b> , 8, 121-163		21
1644	Chemoenzymatic synthesis of (1S,2R)-1-amino-2-indanol, a key intermediate of HIV protease inhibitor, indinavir. <b>2000</b> , 9, 157-161		16
1643	Lipase catalyzed reactions of aliphatic and arylaliphatic carbonic acid esters. <b>2000</b> , 9, 201-208		17
1642	Enzymatic resolution of 2-phenyl-1-propanol by enantioselective hydrolysis of its ester having a bulky group in an acyl moiety. <b>2000</b> , 9, 245-250		15
1641	Immobilization of lipase on a new inorganic ceramics support, toyonite, and the reactivity and enantioselectivity of the immobilized lipase. <b>2000</b> , 9, 269-274		57
1640	Influence of lid conformation on lipase enantioselectivity. <b>2000</b> , 10, 385-393		31
1639	Biocatalytic resolution of sterically hindered alcohols, carboxylic acids and esters containing fully substituted chiral centers by hydrolytic enzymes. <b>2000</b> , 10, 357-376		33

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1638	Efficient preparation of optically active ketoprofen by Mucor javanicus lipase immobilized on an inorganic support. <i>Journal of Bioscience and Bioengineering</i> , <b>2000</b> , 90, 332-334	3.3	32
1637	Design and realization of a tailor-made enzyme to modify the molecular recognition of 2-arylpropionic esters by Candida rugosa lipase. <b>2000</b> , 1543, 146-58		21
1636	A new method for improving the enantioselectivity of lipase-catalyzed hydrolysis in organic solvent containing a small amount of water in the presence of metal ions. <b>2000</b> , 22, 1169-1171		12
1635	Dimethyl sulfoxide-induced high enantioselectivity of subtilisin Carlsberg for hydrolysis of ethyl 2-(4-substituted phenoxy)propionates. <b>2000</b> , 22, 599-603		17
1634	Synthesis of optically active Phydroxy-Penaminoketones via enzymatic resolution of carbinols derived from 3,5-disubstituted isoxazoles. <b>2000</b> , 11, 2565-2577		12
1633	On the Relationship Between Enzymatic Enantioselectivity in Organic Solvents and Enzyme Flexibility. <i>Biocatalysis and Biotransformation</i> , <b>2000</b> , 18, 401-407	2.5	15
1632	Enzymatic resolution of some racemic alcohols and diols using commercial lipases. <i>Progress in Biotechnology</i> , <b>2000</b> , 17, 215-220		
1631	Optical Resolution of Non-Protein Amino Acids by Lipase-Catalyzed Ester Hydrolysis. <i>Biocatalysis and Biotransformation</i> , <b>2000</b> , 17, 445-458	2.5	6
1630	Enzymes In Organic Synthesis. <b>2000</b> ,		
1629	Reagent Selection. <b>2000</b> , 53-80		
1628	Resolution of Mandelic Acids by Lipase-Catalyzed Transesterifications in Organic Media. <i>Biocatalysis and Biotransformation</i> , <b>2000</b> , 17, 459-473	2.5	15
1627	The enantioselectivity of enzymes involved in current antiviral therapy using nucleoside analogues:		30
	a new strategy?. <b>2000</b> , 11, 165-89		
1626	Cloning, overexpression, and properties of a new thermophilic and thermostable esterase with sequence similarity to hormone-sensitive lipase subfamily from the archaeon Archaeoglobus fulgidus. <b>2000</b> , 373, 182-92		125
	Cloning, overexpression, and properties of a new thermophilic and thermostable esterase with sequence similarity to hormone-sensitive lipase subfamily from the archaeon Archaeoglobus	i-8	
	Cloning, overexpression, and properties of a new thermophilic and thermostable esterase with sequence similarity to hormone-sensitive lipase subfamily from the archaeon Archaeoglobus fulgidus. <b>2000</b> , 373, 182-92	-8	125
1625	Cloning, overexpression, and properties of a new thermophilic and thermostable esterase with sequence similarity to hormone-sensitive lipase subfamily from the archaeon Archaeoglobus fulgidus. <b>2000</b> , 373, 182-92  Synthetic studies on the trans-chlorocyclopropane dienyne side chain of callipeltoside A. <b>2000</b> , 2, 4055  Enhancing the enantioselectivity of lipase in transesterification by substrate matching: an enzyme	3-8 _	125
1625 1624	Cloning, overexpression, and properties of a new thermophilic and thermostable esterase with sequence similarity to hormone-sensitive lipase subfamily from the archaeon Archaeoglobus fulgidus. 2000, 373, 182-92  Synthetic studies on the trans-chlorocyclopropane dienyne side chain of callipeltoside A. 2000, 2, 4055  Enhancing the enantioselectivity of lipase in transesterification by substrate matching: an enzyme memory based approach. 2000, 2, 2553-5  Mass-Transfer Limitations for Immobilized Enzyme-Catalyzed Kinetic Resolution of Racemate in a	5-8	125 32 21
1625 1624 1623	Cloning, overexpression, and properties of a new thermophilic and thermostable esterase with sequence similarity to hormone-sensitive lipase subfamily from the archaeon Archaeoglobus fulgidus. 2000, 373, 182-92  Synthetic studies on the trans-chlorocyclopropane dienyne side chain of callipeltoside A. 2000, 2, 4055  Enhancing the enantioselectivity of lipase in transesterification by substrate matching: an enzyme memory based approach. 2000, 2, 2553-5  Mass-Transfer Limitations for Immobilized Enzyme-Catalyzed Kinetic Resolution of Racemate in a Batch Reactor. 2000, 39, 4054-4062  Enzyme-catalyzed asymmetric deacylation for the preparation of lasofoxifene (CP-336156), a	5-8	125 32 21 26

1620	Mass transport limitations reduce the effective stereospecificity in enzyme-catalyzed kinetic resolution. <b>2000</b> , 2, 1373-6		48
1619	Enantiomeric synthesis of (S)-2-methylbutanoic acid methyl ester, apple flavor, using lipases in organic solvent. <b>2000</b> , 48, 524-30		22
1618	Microbial/enzymatic synthesis of chiral drug intermediates. <b>2000</b> , 47, 33-78		35
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1614	Biocatalysis in ionic liquids: markedly enhanced enantioselectivity of lipase. <b>2001</b> , 3, 1507-9		260
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1609	Enantioselectivity Related to Conformational Changes Observed by Spectral Analysis in Subtilisin-Catalyzed Hydrolysis of Ethyl (RS)-2-(4-Substituted Phenoxy)Propionates. <i>Biocatalysis and Biotransformation</i> , <b>2001</b> , 19, 281-299	2.5	2
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1604	Diffusion Limitation Causes Decreased Enantioselectivity of Esterification of 2-Butanol by Immobilized Candida Antarctica Lipase B. <i>Biocatalysis and Biotransformation</i> , <b>2001</b> , 19, 1-19	2.5	22
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1574	The synthesis of 1-hydroxy phosphonates of high enantiomeric excess using sequential asymmetric reactions: titanium alkoxide-catalyzed P?C bond formation and kinetic resolution. <b>2001</b> , 12, 1701-1708	55
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1460	One-pot lipase-catalyzed synthesis of enantiopure secondary alcohols from carbonyl compounds: a new protocol for lipase-mediated resolution. <b>2002</b> , 13, 815-820	51
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1149	Synthesis of enantiomerically pure cyclohex-2-en-1-ols: development of novel multicomponent reactions. <b>2005</b> , 11, 4210-8		24
1148	Synthesis of diastereo- and enantiomerically pure anti-3-methyl-1,4-pentanediol via lipase catalysed acylation. <b>2005</b> , 16, 1355-1360		8
1147	New chemoenzymatic pathway for 軸drenergic blocking agents. <b>2005</b> , 16, 1485-1494		27
1146	Synthesis of optically active ⊞-methylamino acids and amides through biocatalytic kinetic resolution of amides. <b>2005</b> , 16, 2409-2416		26
1145	Enantioselective esterase activity of an industrial glutaryl acylase. <b>2005</b> , 16, 2509-2513		3
1144	Preparation of (R)- and (S)-6-hydroxybuspirone by enzymatic resolution or hydroxylation. <b>2005</b> , 16, 271	1-2716	14
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1139	. 2005,		294
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	Kinetic Properties and Enantioselectivity of The Lipases Produced by Four Aspergillus Species. <b>2005</b>	2.5	
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1132	Novel microbial epoxide hydrolases for biohydrolysis of glycidyl derivatives. <b>2005</b> , 120, 364-75		38	
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1025	Enantioselective Ring Opening of Epoxides with Cyanide Catalysed by Halohydrin Dehalogenases: A New Approach to Non-Racemic		75
1024	The 3-(3-Pyridine)propionyl Anchor Group for Protease-Catalyzed Resolutions: p-Toluenesulfinamide and Sterically Hindered Secondary Alcohols. <b>2006</b> , 348, 1183-1192		6
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1009	Kinetic studies on lipase-catalyzed acetylation of 2-alkanol with vinyl acetate in organic solvent. Journal of Oleo Science, <b>2007</b> , 56, 309-17	1.6	4

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1007	Enantioselective Microbial Oxidation of Allyl Alcohols. <b>2007</b> , 36, 1428-1429		O
1006	Enzymatic kinetic resolution of [2.2]para-cyclophane derivatives. <b>2007</b> , 55, 227-231		7
1005	Steroselective Hydrolysis of DL-Beta-Acetylthioisobutyramide Catalyzed by Genetically Engineered E. Coli Immobilized on Celite 580 in a Packed Bed Bioreactor. <b>2007</b> , 54, 1607-1613		2
1004	Lipase-catalyzed resolution of 1-hydroxymethyl-2-methylferrocene. <b>2007</b> , 57, 33-36		9
1003	Isolation and characterization of Delftia tsuruhatensis ZJB-05174, capable of R-enantioselective degradation of 2,2-dimethylcyclopropanecarboxamide. <b>2007</b> , 158, 258-64		38
1002	Biocatalysis in ionic liquids. <b>2007</b> , 107, 2757-85		1339
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995	Synthesis of enantiopure chloroalcohols by enzymatic kinetic resolution. <i>Organic and Biomolecular Chemistry</i> , <b>2007</b> , 5, 318-23	3.9	37
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678	Asymmetric chemoenzymatic synthesis of ramatroban using lipases and oxidoreductases. <b>2012</b> , 77, 4842-8	3	<b>3</b> 9
677	Isolation of enantioselective ⊞-hydroxyacid dehydrogenases based on a high-throughput screening method. <b>2012</b> , 35, 1515-22	1	0
676	Tsukamurella sp. E105 as a new biocatalyst for highly enantioselective hydrolysis of ethyl 2-(2-oxopyrrolidin-1-yl) butyrate. <b>2012</b> , 39, 1261-8	2	<u>.</u>
675	Biocatalytic resolution of benzyl glycidyl ether and its derivates by Talaromyces flavus: effect of phenyl ring substituents on enantioselectivity. <b>2012</b> , 34, 1499-503	7	7
674	ECD spectrometric methods for detecting the enantioselective enzymatic hydrolysis of racemic 3-acetoxy-4-phenyl-和actam. <b>2012</b> , 23, 1197-1200	4	ŀ
673	Enhancement of the enantioselectivity of carboxylesterase A by structure-based mutagenesis. <b>2012</b> , 158, 36-43	1	19
672	Alteration of enzyme activity and enantioselectivity by biomimetic encapsulation in silica particles. <b>2012</b> , 48, 1314-6	1	<sup>1</sup> 7
671	Kinetic Resolution of 1,3,6-Tri-O-benzyl-myo-Inositol by Novozym 435: Optimization and Enzyme Reuse. <b>2012</b> , 16, 1378-1384	2	23
670	Ionic Liquid Engineering for Lipase-Mediated Optical Resolution of Secondary Alcohols: Design of Ionic Liquids Applicable to Ionic Liquid Coated-Lipase Catalyzed Reaction. <b>2012</b> , 51, 9952-9958	3	31
669	Synergy between catalysts: enzymes and bases. DKR of non-natural amino acids derivatives. <b>2012</b> , 2, 1606	2	29
668	Chemoenzymatic preparation of optically active trans- and cis-cyclohex-4-ene-1,2-diamine and trans-6-aminocyclohex-3-enol derivatives. <i>Tetrahedron</i> , <b>2012</b> , 68, 7670-7674	. 5	5
667	Laboratory evolution of stereoselective enzymes as a means to expand the toolbox of organic chemists. <i>Tetrahedron</i> , <b>2012</b> , 68, 7530-7548	. 2	29

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666	Kinetic resolution of diarylmethanols using a mutated variant of lipase CALB. <i>Tetrahedron</i> , <b>2012</b> , 68, 7613-7618	-	11
665	Protecting-group-free catalytic asymmetric total synthesis of (Prosmarinecine. <i>Tetrahedron</i> , <b>2012</b> , 68, 7295-7301		24
664	Stereoselective synthesis of optically active cyclopenta[c]pyridines and tetrahydropyridines. <b>2012</b> , 23, 662-669		6
663	Resolution of racemic 4-hydroxy-2-cyclopentenone with immobilized penicillin G acylase. <b>2012</b> , 23, 775-779		16
662	Green methodology for enzymatic hydrolysis of acetates in non-aqueous media via carbonate salts. <b>2012</b> , 23, 828-833		21
661	Enantiopure 3-methyl-3,4-dihydroisocoumarins and 3-methyl-1,2,3,4-tetrahydroisoquinolines via chemoenzymatic asymmetric transformations. <b>2012</b> , 2, 1590		10
660	Baeyer Williger Oxidations. <b>2012</b> , 1439-1485		6
659	Stereoselective Chemoenzymatic Synthesis of Enantiopure 2-(1H-imidazol-yl)cycloalkanols under Continuous Flow Conditions. <i>ACS Catalysis</i> , <b>2012</b> , 2, 1976-1983	1	25
658	The studies on chemoenzymatic synthesis of Femoxetine. <b>2012</b> , 82, 96-101		17
657	Enzymatic kinetic resolution of hydroxystearic acids: A combined experimental and molecular modelling investigation. <b>2012</b> , 83, 38-45		12
656	Industrial Hydrolases and Related Enzymes. <b>2012</b> , 203-229		1
655	Redesign of enzyme for improving catalytic activity and enantioselectivity toward poor substrates: manipulation of the transition state. <i>Organic and Biomolecular Chemistry</i> , <b>2012</b> , 10, 6299-308		51
654	Naphthyl-lamino acids via chemo-enzymatic dynamic kinetic resolution. <b>2012</b> , 23, 938-944		33
653	A new chemoenzymatic approach to the synthesis of chiral 4-aryl-1,4-dihydro-2H-isoquinolines via the enzymatic resolution of 2-acetyl-4-phenyl-1,4-dihydro-2H-isoquinolin-3-one. <b>2012</b> , 23, 1256-1261		9
652	Lipase-catalyzed kinetic resolution of 即orylated carboxylic esters. <b>2012</b> , 23, 1294-1300		11
651	Lipase catalysis in the preparation of 3-(1-amino-3-butenyl)pyridine enantiomers. <b>2012</b> , 23, 1629-1632		9
650	Efficient synthesis of an optically active tetrahydrozerumbone exhibiting a fragrance and the application of zerumbone derivatives with a medium ring structure. <b>2012</b> , 23, 1490-1495		14
649	An efficient method for the lipase-catalysed resolution and in-line purification of racemic flurbiprofen in a continuous-flow reactor. <b>2012</b> , 84, 78-82		39

648	Biocatalyzed synthesis of enantiomerically enriched 街-like dimer of 4-vinylphenol. <b>2012</b> , 84, 115-120		11
647	Enhancing the enantioselectivity of CALB by substrate imprinting: A combined experimental and molecular dynamics simulation model study. <b>2012</b> , 84, 55-61		5
646	Chemoenzymatic Dynamic Kinetic Resolution and Related Dynamic Asymmetric Transformations. <b>2012</b> , 1777-1806		11
645	Concepts in Biocatalysis. <b>2012</b> , 43-66		2
644	Sol-gel entrapped Candida antarctica lipase Ba biocatalyst with excellent stability for kinetic resolution of secondary alcohols. <i>Molecules</i> , <b>2012</b> , 17, 13045-61	4.8	37
643	Resolution of racemic ketoprofen in organic solvents by lipase from Burkholderia cepacia G63. <b>2012</b> , 17, 1147-1155		15
642	An Esterase with Superior Activity and Enantioselectivity towards 1,2-O-Isopropylideneglycerol Esters Obtained by Protein Design. <b>2012</b> , 354, 3009-3015		12
641	Quantitative Comparison of Chiral Catalysts Selectivity and Performance: A Generic Concept Illustrated with Cyclododecanone Monooxygenase as Baeyer Villiger Biocatalyst. <b>2012</b> , 354, 3491-3500		29
640	Lipase-catalyzed acylation in a continuous down-flow fixed-bed reactor. <b>2012</b> , 53, 673-683		5
639	Ultrasound irradiation promoted enzymatic transesterification of (R/S)-1-chloro-3-(1-naphthyloxy)-2-propanol. <i>Molecules</i> , <b>2012</b> , 17, 10864-74	4.8	7
639 638		4.8	7
	(R/S)-1-chloro-3-(1-naphthyloxy)-2-propanol. <i>Molecules</i> , <b>2012</b> , 17, 10864-74	4.8	7
638	(R/S)-1-chloro-3-(1-naphthyloxy)-2-propanol. <i>Molecules</i> , <b>2012</b> , 17, 10864-74  Enzymatic Membrane Reactor for Chiral Drugs Synthesis. <b>2012</b> ,  Synthesis, post-modification and characterization of linear polystyrene-based supports for	4.8	
638 637	(R/S)-1-chloro-3-(1-naphthyloxy)-2-propanol. <i>Molecules</i> , <b>2012</b> , 17, 10864-74  Enzymatic Membrane Reactor for Chiral Drugs Synthesis. <b>2012</b> ,  Synthesis, post-modification and characterization of linear polystyrene-based supports for interaction with immobilized biocatalysts. <b>2012</b> , 61, 1611-1618	4.8	11
638 637 636	(R/S)-1-chloro-3-(1-naphthyloxy)-2-propanol. <i>Molecules</i> , <b>2012</b> , 17, 10864-74  Enzymatic Membrane Reactor for Chiral Drugs Synthesis. <b>2012</b> ,  Synthesis, post-modification and characterization of linear polystyrene-based supports for interaction with immobilized biocatalysts. <b>2012</b> , 61, 1611-1618  Lipase Catalysed Kinetic Resolution of Stiripentol. <b>2012</b> , 4,	4.8	11
638 637 636 635	(R/S)-1-chloro-3-(1-naphthyloxy)-2-propanol. <i>Molecules</i> , <b>2012</b> , 17, 10864-74  Enzymatic Membrane Reactor for Chiral Drugs Synthesis. <b>2012</b> ,  Synthesis, post-modification and characterization of linear polystyrene-based supports for interaction with immobilized biocatalysts. <b>2012</b> , 61, 1611-1618  Lipase Catalysed Kinetic Resolution of Stiripentol. <b>2012</b> , 4,  Chemoenzymatic Preparation of 1-Heteroarylethanamines of Low Solubility. <b>2012</b> , 2012, 3288-3294  Kinetic Resolution in Chiral Phosphoric Acid Catalyzed Aldol Reactions: Enantioselective	4.8	11 1 1 1 5
638 637 636 635	(R/S)-1-chloro-3-(1-naphthyloxy)-2-propanol. <i>Molecules</i> , 2012, 17, 10864-74  Enzymatic Membrane Reactor for Chiral Drugs Synthesis. 2012,  Synthesis, post-modification and characterization of linear polystyrene-based supports for interaction with immobilized biocatalysts. 2012, 61, 1611-1618  Lipase Catalysed Kinetic Resolution of Stiripentol. 2012, 4,  Chemoenzymatic Preparation of 1-Heteroarylethanamines of Low Solubility. 2012, 2012, 3288-3294  Kinetic Resolution in Chiral Phosphoric Acid Catalyzed Aldol Reactions: Enantioselective Robinson-Type Annulation Reactions. 2012, 2012, 4508-4514  Unambiguous Characterization of the Sesquiterpene (7R,9E)-1,2,11-Trihydroxy-1,3,5,9-bisabolatetraene through Its Enantioselective Synthesis. 2012,	4.8	11 1 15 26

630	N-Octanoyldimethylglycine Trifluoroethyl Ester, an Acyl Donor Leading to Highly Enantioselective Protease-Catalysed Kinetic Resolution of Amines. <b>2012</b> , 354, 1759-1764		5	
629	Kinetic investigation of a solvent-free, chemoenzymatic reaction sequence towards enantioselective synthesis of a hamino acid ester. <b>2012</b> , 109, 1479-89		27	
628	Dynamic kinetic resolution of 2,3-dihydrobenzo[b]furans: chemoenzymatic synthesis of analgesic agent BRL 37959. <b>2012</b> , 18, 11063-70		9	
627	Stereoselective synthesis of D- and L-carbocyclic nucleosides by enzymatically catalyzed kinetic resolution. <b>2012</b> , 18, 11046-62		9	
626	First isolation of disubstituted cis-5,6-dihydro-1,10-phenanthrolines. Lipase-mediated resolution of cis- and trans-phenoxy alcohol isomers and assignment of absolute stereochemistry via CD and NMR spectroscopy. <i>Chirality</i> , <b>2012</b> , 24, 245-51	2.1	3	
625	Enhancement of the activity and enantioselectivity of lipase by sol-gel encapsulation immobilization onto tyclodextrin-based polymer. <b>2012</b> , 166, 1927-40		18	
624	Enantioselective enzymatic hydrolysis of racemic drugs by encapsulation in sol-gel magnetic sporopollenin. <b>2012</b> , 35, 493-502		13	
623	Immobilization of Candida rugosa lipase onto magnetic beads for kinetic resolution of (R,S)-ibuprofen. <b>2012</b> , 24, 80-84		34	
622	Improvement of the biocatalytic properties of one phenylacetone monooxygenase mutant in hydrophilic organic solvents. <b>2012</b> , 50, 43-9		23	
621	Optimization of oxidative bioconversions catalyzed by phenylacetone monooxygenase from Thermobifida fusca. <b>2012</b> , 74, 138-143		11	
620	Lipase catalyzed kinetic resolution of rac-2-phenylpropan-1-ol derivatives as building block for phenolic sesquiterpenes. <b>2012</b> , 74, 199-203		3	
619	Contribution of both catalytic constant and Michaelis constant to CALB enantioselectivity: Use of FEP calculations for prediction studies. <b>2012</b> , 76, 29-36		4	
618	Characterization of a novel esterase isolated from intertidal flat metagenome and its tertiary alcohols synthesis. <b>2012</b> , 80, 67-73		20	
617	On the kinetic resolution of sterically hindered myo-inositol derivatives in organic media by lipases. <b>2012</b> , 23, 47-52		18	
616	Sequential enzymatic procedure for the preparation of enantiomerically pure 2-heteroaryl-2-hydroxyacetic acids. <b>2012</b> , 23, 181-187		4	
615	Solvent-free kinetic resolution of primary amines catalyzed by Candida antarctica lipase B: effect of immobilization and recycling stability. <b>2012</b> , 23, 230-236		29	
614	Immobilization to improve the properties of Pseudomonas fluorescens lipase for the kinetic resolution of 3-aryl-3-hydroxy esters. <i>Process Biochemistry</i> , <b>2012</b> , 47, 119-126	4.8	21	
613	Disubstituted dialkoxysilane precursors in binary and ternary solgel systems for lipase immobilization. <i>Process Biochemistry</i> , <b>2012</b> , 47, 428-434	4.8	17	

612	Microwave-assisted enzymatic resolution of (R,S)-2-octanol in ionic liquid. <i>Process Biochemistry</i> , <b>2012</b> , 47, 479-484	3	19
611	First chemoenzymatic synthesis of (+)-2-carboxypyrrolidine-3-acetic acid, the nucleus of kainoid amino acids. <i>Chirality</i> , <b>2012</b> , 24, 112-8		3
610	Erzeugung einer fütrans-Fettsüren hochselektiven Lipase durch Protein-Engineering. <b>2012</b> , 124, 425-428		11
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608	Production of Cutinase by Fusarium oxysporum on Brazilian Agricultural By-products and its Enantioselective Properties. <b>2012</b> , 5, 138-146		16
607	Pseudomonas putida esterase contains a GGG(A)X-motif confering activity for the kinetic resolution of tertiary alcohols. <b>2012</b> , 93, 1119-26		23
606	Resolution of 2-nitroalcohols by Burkholderia cepacia lipase-catalyzed enantioselective acylation. <b>2012</b> , 34, 153-8		11
605	Characterization of a recombinant (-)Hactamase from Microbacterium hydrocarbonoxydans. <b>2012</b> , 34, 275-9		12
604	Catalytic effect of calix[n]arene based solgel encapsulated or covalent immobilized lipases on enantioselective hydrolysis of (R/S)-naproxen methyl ester. <b>2012</b> , 72, 189-196		9
603	Experimental design of the kinetic resolution of a key precursor of high-value bioactive myo-inositols by an immobilized lipase. <b>2013</b> , 88, 205-211		7
602	Hydrophobic adsorption and covalent immobilization of Candida antarctica lipase B on mixed-function-grafted silica gel supports for continuous-flow biotransformations. <i>Process Biochemistry</i> , <b>2013</b> , 48, 1039-1047	3	37
601	Experimental and Computation Studies on Candida antarctica Lipase B-Catalyzed Enantioselective Alcoholysis of 4-Bromomethyl-用actone Leading to Enantiopure 4-Bromo-3-hydroxybutanoate. <b>2013</b> , 355, 1808-1816		8
600	Enzymatic Kinetic Resolution and Racemization of 2-(Tetramethylpiperidine-1-oxyl)ethanols. <b>2013</b> , 2013, 5585-5589		2
599	Preparation of new Calix[4]arene-immobilized biopolymers for enhancing catalytic properties of Candida rugosa lipase by sol-gel encapsulation. <b>2013</b> , 170, 1871-84		18
598	Bridging racemic lactate esters with stereoselective polylactic acid using commercial lipase catalysis. <b>2013</b> , 15, 2817		26
597	A magnetically separable biocatalyst for resolution of racemic naproxen methyl ester. <b>2013</b> , 36, 1803-6		12
596	Expression of a lipase on the cell-surface of Escherichia coli using the OmpW anchoring motif and its application to enantioselective reactions. <b>2013</b> , 35, 1677-83		10
595	Alkaline lipase from Pseudomonas fluorescens non-covalently immobilised on pristine versus oxidised multi-wall carbon nanotubes as efficient and recyclable catalytic systems in the synthesis of Solketal esters. <b>2013</b> , 53, 263-70		26

594	Einfluss der Reaktorkonfiguration auf die Enantioselektivit einer kinetischen Racematspaltung. <b>2013</b> , 85, 826-832	2
593	Enzymatic production of Cilastatin intermediate via highly enantioselective hydrolysis of methyl (–́)-2,2-dimethylcyclopropane carboxylate using newly isolated Rhodococcus sp. ECU1013. <b>2013</b> , 97, 7659-67	12
592	Bioresolution of (R)-glycidyl azide by Aspergillus niger ZJUTZQ208: a new and concise synthon for chiral vicinal amino alcohols. <b>2013</b> , 97, 2609-16	8
591	Studies on the chemoenzymatic synthesis of (R)- and (S)-methyl 3-aryl-3-hydroxypropionates: the influence of toluene-pretreatment of lipase preparations on enantioselective transesterifications. <b>2013</b> , 24, 925-936	14
590	First chemoenzymatic synthesis of (R)- and (S)-1-(9H-fluoren-9-yl)ethanol. 2013, 24, 1120-1126	8
589	Chemoenzymatic synthesis of the enantiomerically pure 1,2,3,4-tetrahydroquinoline moiety of the antithrombotic (21R)- and (21S)-argatroban. <b>2013</b> , 24, 1142-1147	5
588	Lipase-catalyzed asymmetric acylation in the chemoenzymatic synthesis of furan-based alcohols. <b>2013</b> , 24, 142-150	14
587	Enhancing Catalytic Performance of Porcine Pancreatic Lipase by Covalent Modification Using Functional Ionic Liquids. <i>ACS Catalysis</i> , <b>2013</b> , 3, 1976-1983	62
586	Enantioselective synthesis of 3-hydroxytetradecanoic acid and its methyl ester enantiomers as new antioxidants and enzyme inhibitors. <b>2013</b> , 144, 1087-1091	7
585	Reusable Etransaminase solgel catalyst for the preparation of amine enantiomers. <i>Process Biochemistry</i> , <b>2013</b> , 48, 1488-1494	27
584	Pd-Catalyzed Cross-Coupling with Organometals Containing Zn, Al, Zr, and so on IThe Negishi Coupling and Its Recent Advances. <b>2013</b> , 133-278	7
583	Conformation studies on Burkholderia cenocepacia lipase via resolution of racemic 1-phenylethanol in non-aqueous medium and its process optimization. <i>Process Biochemistry</i> , <b>2013</b> , 48, 1905-1913	22
582	Resolution of (R, S)-ethyl-2-(4-hydroxyphenoxy) propanoate using lyophilized mycelium of Aspergillus oryzae WZ007. <b>2013</b> , 97, 62-66	9
581	Concurrent obtaining of aromatic (R)-2-hydroxyacids and aromatic 2-ketoacids by asymmetric oxidation with a newly isolated Pseudomonas aeruginosa ZJB1125. <b>2013</b> , 167, 271-8	5
580	Influence of the position of the substituent on the efficiency of lipase-mediated resolutions of 3-aryl alkanoic acids. <b>2013</b> , 24, 1480-1487	10
579	Terms for the quantitation of a mixture of stereoisomers. <b>2013</b> , 340, 21-40	19
578	Synthesis of (R)-bambuterol based on asymmetric reduction of 1-[3,5-bis(dimethylcarbamoyloxy)phenyl]-2-chloroethanone with incubated whole cells of Williopsis californica JCM 3600. <b>2013</b> , 97, 106-109	7
577	Organic co-solvents affect activity, stability and enantioselectivity of haloalkane dehalogenases. <b>2013</b> , 8, 719-29	26

576	Enzyme- and ruthenium-catalyzed dynamic kinetic resolution of functionalized cyclic allylic alcohols. <b>2013</b> , 78, 12114-20	23
575	Biotransformation with whole microbial systems in a continuous flow reactor: resolution of (RS)-flurbiprofen using Aspergillus oryzae by direct esterification with ethanol in organic solvent. <b>2013</b> , 54, 6090-6093	34
574	Enantioselective transesterification of N-hydroxymethyl vince lactam catalyzed by lipase under ultrasound irradiation. <i>Biocatalysis and Biotransformation</i> , <b>2013</b> , 31, 299-304	6
573	The fundamentals and fun of biocatalysis. <b>2013</b> , 17-69	1
572	Comparison of artificial neural network (ANN) and response surface methodology (RSM) in optimization of the immobilization conditions for lipase from Candida rugosa on Amberjet([]) 4200-Cl. <b>2013</b> , 43, 33-47	15
571	Laboratory evolution of enantiocomplementary Candida antarctica lipase B mutants with broad substrate scope. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 1872-81	. 116
570	Highly enantioselective oxidation of $\Box$ -hydroxyacids bearing a substituent with an aryl group: co-production of optically active $\Box$ -hydroxyacids and $\Box$ -ketoacids. <b>2013</b> , 132, 391-4	5
569	DspA from Strongylocentrotus purpuratus: The first biochemically characterized haloalkane dehalogenase of non-microbial origin. <b>2013</b> , 95, 2091-6	22
568	A novel and enantioselective epoxide hydrolase from Aspergillus brasiliensis CCT 1435: purification and characterization. <b>2013</b> , 91, 175-83	15
567	Enantiopure dihalocyclopropyl alcohols and esters by lipase catalyzed kinetic resolution. <b>2013</b> , 168, 284-8	4
566	Synthesis of optically active heterocyclic compounds via deracemization of 1,2-diol monotosylate derivatives bearing a long aliphatic chain by a combination of enzymatic hydrolysis with Mitsunobu inversion. <b>2013</b> , 24, 108-115	16
565	Synthesis of the antiepileptic (R)-Stiripentol by a combination of lipase catalyzed resolution and alkene metathesis. <b>2013</b> , 24, 285-289	10
564	A green route to enantioenriched (S)-arylalkyl carbinols by deracemization via combined lipase alkaline-hydrolysis/Mitsunobu esterification. <b>2013</b> , 24, 290-296	15
563	Advances in the total synthesis of biologically important callipeltosides: a review. <b>2013</b> , 30, 640-93	7
562	Lipase behavior in the stereoselective transesterification of zingerol-like derivatives and related biphenyls. <b>2013</b> , 90, 107-113	2
561	Lipase-catalyzed kinetic resolution of 1-(1,3-benzothiazol-2-ylsulfanyl)propan-2-ol with antifungal activity: a comparative study of transesterification versus hydrolysis. <i>Tetrahedron</i> , <b>2013</b> , 69, 4597-4602 <sup>2.4</sup>	13
560	Studies on the chemoenzymatic synthesis of 3-phenyl-GABA and 4-phenyl-pyrrolid-2-one: the influence of donor of the alkoxy group on enantioselective esterification. <b>2013</b> , 24, 427-433	13
559	Enzyme Immobilization on Carboxyl-Functionalized Graphene Oxide for Catalysis in Organic Solvent. <b>2013</b> , 52, 6343-6348	66

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558	Identification and characterization of epoxide hydrolase activity of polycyclic aromatic hydrocarbon-degrading bacteria for biocatalytic resolution of racemic styrene oxide and styrene oxide derivatives. <b>2013</b> , 35, 599-606		10
557	Chemoenzymatic synthesis of orthogonally protected (3R,4R)- and (3S,4S)-trans-3-amino-4-hydroxypyrrolidines. <i>Tetrahedron</i> , <b>2013</b> , 69, 5407-5412	2.4	7
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555	Immobilisation and application of lipases in organic media. <b>2013</b> , 42, 6406-36		588
554	Asymmetric synthesis of enantiomerically pure zingerols by lipase-catalyzed transesterification and efficient synthesis of their analogues. <b>2013</b> , 24, 621-627		7
553	Enzymatic resolution of five membered heterocyclic bromohydrins. <b>2013</b> , 24, 694-698		4
552	Chemo-enzymatic enantioconvergent approach toward ethyl shikimate from ethyl 5-hydroxy-3,4-isopropylidenedioxycyclohex-1-enecarboxylate. <i>Tetrahedron</i> , <b>2013</b> , 69, 6527-6532	2.4	4
551	Improved performance of Yarrowia lipolytica lipase-catalyzed kinetic resolution of (R,S)-2-octanol by an integrated strategy of interfacial activation, bioimprinting and immobilization. <b>2013</b> , 142, 415-9		12
550	Lipase-immobilized magnetic chitosan nanoparticles for kinetic resolution of (R,S)-ibuprofen. <b>2013</b> , 94, 7-14		48
549	Chemoenzymatic synthesis of optically active 2-(2?- or 4?-substituted-1H-imidazol-1-yl)cycloalkanols: chiral additives for (L)-proline. <b>2013</b> , 3, 2596		12
548	Chemoenzymatic Asymmetric Synthesis of Serotonin Receptor Agonist (R)-Frovatriptan. <b>2013</b> , 2013, 4057-4064		6
547	Recent advances and applications of the lipolytic activity of Carica papaya latex. <b>2013</b> , 90, 49-60		11
546	Characterization of a new thermophilic and acid tolerant esterase from Thermotoga maritima capable of hydrolytic resolution of racemic ketoprofen ethyl ester. <b>2013</b> , 85-86, 23-30		19
545	How the mode of Candida antarctica lipase B immobilization affects the continuous-flow kinetic resolution of racemic amines at various temperatures. <b>2013</b> , 85-86, 119-125		28
544	Kinetic resolution of a precursor for myo-inositol phosphates under continuous flow conditions. <b>2013</b> , 87, 139-143		19
543	Kinetic resolution of propargylic alcohols via stereoselective acylation catalyzed by lipase PS-30. <b>2013</b> , 97, 184-188		12
542	Long-chain ethers as solvents can amplify the enantioselectivity of the Carica papaya lipase-catalyzed transesterification of 2-(substituted phenoxy)propanoic acid esters. <b>2013</b> , 35, 1639-43		2
541	Resolution of N-hydroxymethyl vince lactam catalyzed by lipase in organic solvent. <b>2013</b> , 88, 904-909		10

540	Quantitative analysis of enzymatic fractionation of multiple substrate mixtures. 2013, 110, 78-86		4
539	Thermostable alcohol dehydrogenase from Thermococcus kodakarensis KOD1 for enantioselective bioconversion of aromatic secondary alcohols. <b>2013</b> , 79, 2209-17		21
538	Use of 'small but smart' libraries to enhance the enantioselectivity of an esterase from Bacillus stearothermophilus towards tetrahydrofuran-3-yl acetate. <b>2013</b> , 280, 3084-93		43
537	Immobilization of Yarrowia lipolytica Lipase on Bamboo Charcoal to Resolve (R,S)-Phenylethanol in Organic Medium. <b>2013</b> , 36, 1249-1254		
536	Synergetic Activation of Lipase by an Amino Acid with Alkyl <b>P</b> EG Sulfate Ionic Liquid. <b>2013</b> , 42, 663-665		22
535	Improving activity and enantioselectivity of lipase via immobilization on macroporous resin for resolution of racemic 1- phenylethanol in non-aqueous medium. <b>2013</b> , 13, 92		20
534	Alkaloids from an Endophytic Streptomyces sp. YIM66017. <i>Natural Product Communications</i> , <b>2013</b> , 8, 1934578X1300801	0.9	4
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531	Chemoenzymatic synthesis and biological evaluation of enantiomerically enriched 1-(冊ydroxypropyl)imidazolium- and triazolium-based ionic liquids. <b>2013</b> , 9, 516-25		13
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528	. 2014,		7
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524	Efficient production of l-menthol in a two-phase system with SDS using an immobilized Bacillus subtilis esterase. <b>2014</b> , 1,		14
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515	A new mechanism of enantioselectivity toward chiral primary alcohol by lipase from Pseudomonas cepacia. <b>2014</b> , 109, 109-115		11
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489	Resolution of 1,1,1-trifluoro-2-octanol by Pseudomonas sp. lipase encapsulated in aggregated silica nanoparticles. <b>2014</b> , 4, 6103	2
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460	Olefin-Directed Palladium-Catalyzed Regio- and Stereoselective Oxidative Arylation of Allenes. <b>2015</b> , 54, 9066-9		62
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392	Functional Characterization of a Marine Bacillus Esterase and its Utilization in the Stereo-Selective Production of D-Methyl Lactate. <b>2016</b> , 180, 1467-1481		8
391	Acylation of Amino Esters and Hydrolysis of Amido Esters: Candida antarctica Lipase A as a Chemoselective Deprotection Catalyst. <b>2016</b> , 8, 1226-1232		6
390	Yeast-Mediated Stereoselective Synthesis. <b>2016</b> , 519-544		
389	Epoxide Hydrolases and their Application in Organic Synthesis. <b>2016</b> , 179-229		5
388	Stereoselective Synthesis, Docking, and Biological Evaluation of Difluoroindanediol-Based MenE Inhibitors as Antibiotics. <b>2016</b> , 18, 6384-6387		10
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386	An unexpected inversion of CAL-B enantiopreference based on substrate engineering of 2-bromoesters: Effect of (R)-1-phenylethyl moiety. <b>2016</b> , 133, S317-S323		2
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381	Highly efficient resolution of N-hydroxymethyl vince lactam by solvent stable lipase YCJ01. <b>2016</b> , 133, S150-S156		3
380	Improved enantioselective esterification of dl-menthol catalyzed by immobilized TL 100L lipase. <b>2016</b> , 133, S271-S276		3
379	Ultrasound promoted enantioselective transesterification of 3-hydroxy-3-(2-thienyl) propanenitrile catalyzed by lipase. <b>2016</b> , 9, 190-195		2

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229	Whole-cell biocatalytic of Bacillus cereus WZZ006 strain to synthesis of indoxacarb intermediate: (S)-5-Chloro-1-oxo-2,3-dihydro-2-hydroxy-1H-indene-2-carboxylic acid methyl ester. <i>Chirality</i> , <b>2019</b> , 2.1 31, 958-967	1 3	
228	Analysis of the Effect of Column-to-Beam Strength Ratio on Seismic Performance of RC Frame Structure. <b>2019</b> , 304, 052107		
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225	Base-promoted lipase-catalyzed kinetic resolution of atropisomeric 1,1'-biaryl-2,2'-diols <b>2019</b> , 9, 1165-117	75 <sub>1</sub>	1
224	Bienzymatic Cascade for the Synthesis of an Optically Active O-benzoyl Cyanohydrin. <i>Catalysts</i> , <b>2019</b> , 9, 522	7	,
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216	Chemoenzymatic Approach to (S)-1,2,3,4-Tetrahydroisoquinoline Carboxylic Acids Employing D-Amino Acid Oxidase. <b>2019</b> , 361, 3191-3199		7
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197	Functional Group Effects of New Calixarene Derivatives on Catalytic and Enantioselective Behavior of Lipase. <b>2019</b> , 39, 318-331		1
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193	Molecular cloning and functional characterization of a two highly stereoselective borneol dehydrogenases from Salvia officinalis L. <b>2020</b> , 172, 112227		7
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156	Chemoenzymatic Dynamic Kinetic Resolution. <b>2021</b> , 155-215		0
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153 152		2.5	7
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152 151	Calix[4]arene tetracarboxylic acid-treated lipase immobilized onto metal-organic framework: Biocatalyst for ester hydrolysis and kinetic resolution. <b>2021</b> , 175, 79-86  Kinetic Resolution of Nearly Symmetric 3-Cyclohexene-1-carboxylate Esters Using a Bacterial Carboxylesterase Identified by Genome Mining. <b>2021</b> , 23, 3043-3047	2.5	
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152 151 150 149	Calix[4]arene tetracarboxylic acid-treated lipase immobilized onto metal-organic framework: Biocatalyst for ester hydrolysis and kinetic resolution. 2021, 175, 79-86  Kinetic Resolution of Nearly Symmetric 3-Cyclohexene-1-carboxylate Esters Using a Bacterial Carboxylesterase Identified by Genome Mining. 2021, 23, 3043-3047  Biocatalysis Under Continuous Flow Conditions. 2021, 297-315  Biocatalytic Approaches to the Enantiomers of WielandMiescher Ketone and its Derivatives. 2021, 2021, 3992-3998  Kinetics of enzyme-catalysed desymmetrisation of prochiral substrates: product enantiomeric	2.5	0
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138	Enhancing enantioselectivity of Candida antarctica lipase B towards chiral sec-alcohols bearing small substituents through hijacking sequence of A homolog. <b>2021</b> , 75, 153186		1
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116 115 114	Biocatalytic Applications. 1992, 23-247  Biocatalytic Applications. 1995, 24-269  Biocatalytic Applications. 2000, 29-333	2 1 1
116 115 114 113	Biocatalytic Applications. 1992, 23-247  Biocatalytic Applications. 1995, 24-269  Biocatalytic Applications. 2000, 29-333  Biocatalytic Applications. 1997, 27-299	2 1 1
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86	Synthesis of ⊞-Ketobutyrolactones and ⊞ydroxy-⊞-Keto Acids. <b>2003</b> , 24, 1819-1826		7
85	Lipase-catalyzed Remote Kinetic Resolution of Quaternary Carbon-containing Alcohols and Determination of Their Absolute Configuration. <b>2003</b> , 24, 1269-1275		3
84	Room Temperature Solid-Phase Ionic Liquid-Immobilized Enzyme for Biocatalysis in Organic Solvent: Markedly Enhanced Enantioselectivity. <b>2011</b> , 32, 3149-3151		4
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