

Prof László Poppe

List of Publications by Year in descending order

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146
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#	ARTICLE	IF	CITATIONS
1	Immobilization of the Aspartate Ammonia-Lyase from <i>Pseudomonas fluorescens</i> R124 on Magnetic Nanoparticles: Characterization and Kinetics. <i>ChemBioChem</i> , 2022, 23, .	1.3	9
2	Cross-Linked Enzyme-Adhered Nanoparticles (CLEANs) for Continuous-Flow Bioproduction. <i>ChemSusChem</i> , 2022, 15, .	3.6	6
3	A novel phenylalanine ammonia-lyase from <i>Pseudozyma antarctica</i> for stereoselective biotransformations of unnatural amino acids. <i>Catalysis Today</i> , 2021, 366, 185-194.	2.2	12
4	Substrate Tunnel Engineering Aided by X-ray Crystallography and Functional Dynamics Swaps the Function of MIO-Enzymes. <i>ACS Catalysis</i> , 2021, 11, 4538-4549.	5.5	21
5	Magnetically Agitated Nanoparticle-Based Batch Reactors for Biocatalysis with Immobilized Aspartate Ammonia-Lyase. <i>Catalysts</i> , 2021, 11, 483.	1.6	7
6	Characterization of Yeast Strains with Ketoreductase Activity for Bioreduction of Ketones. <i>Periodica Polytechnica: Chemical Engineering</i> , 2021, 65, 299-307.	0.5	2
7	Nanofibrous Formulation of Cyclodextrin Stabilized Lipases for Efficient Pancreatin Replacement Therapies. <i>Pharmaceutics</i> , 2021, 13, 972.	2.0	3
8	Application of supported lanthanum catalysts in the hydrogenation of nitriles. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2021, 133, 687.	0.8	2
9	Entrapment of Phenylalanine Ammonia-Lyase in Nanofibrous Polylactic Acid Matrices by Emulsion Electrospinning. <i>Catalysts</i> , 2021, 11, 1149.	1.6	6
10	Efficient Synthesis of Pharmaceutically Relevant Prochiral Heterocyclic Aminoketones. <i>Periodica Polytechnica: Chemical Engineering</i> , 2021, 65, 177-182.	0.5	1
11	Lipase on carbon nanotubes – an active, selective, stable and easy-to-optimize nanobiocatalyst for kinetic resolutions. <i>Reaction Chemistry and Engineering</i> , 2021, 6, 2391-2399.	1.9	2
12	Transaminase Catalysis for Enantiopure Saturated Heterocycles as Potential Drug Scaffolds. <i>Catalysts</i> , 2021, 11, 1501.	1.6	1
13	Controlled degradation of poly- ϵ -caprolactone for resorbable scaffolds. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 186, 110678.	2.5	14
14	Design and application of a bi-functional redox biocatalyst through covalent co-immobilization of ene-reductase and glucose dehydrogenase. <i>Journal of Biotechnology</i> , 2020, 323, 246-253.	1.9	13
15	Magnetic Nanoparticles with Dual Surface Functions – Efficient Carriers for Metalloporphyrin-Catalyzed Drug Metabolite Synthesis in Batch and Continuous-Flow Reactors. <i>Nanomaterials</i> , 2020, 10, 2329.	1.9	6
16	Transaminase-mediated synthesis of enantiopure drug-like 1-(3,4-disubstituted phenyl)propan-2-amines. <i>RSC Advances</i> , 2020, 10, 40894-40903.	1.7	4
17	Novel combination of non-invasive morphological and solid-state characterisation of drug-loaded core-shell electrospun fibres. <i>International Journal of Pharmaceutics</i> , 2020, 587, 119706.	2.6	12
18	Polymer Nanofiber Deposition in Lab-on-a-Chip Devices By Electrospinning. , 2020, , .		1

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19	Conservation of the Biocatalytic Activity of Whole Yeast Cells by Supported Sol-Gel Entrapment for Efficient Acyloin Condensation. <i>Periodica Polytechnica: Chemical Engineering</i> , 2020, 64, 153-161.	0.5	4
20	Mapping the Hydrophobic Substrate Binding Site of Phenylalanine Ammonia-Lyase from <i>Petroselinum crispum</i> . <i>ACS Catalysis</i> , 2019, 9, 8825-8834.	5.5	28
21	Liver-on-a-Chip Magnetic Nanoparticle Bound Synthetic Metalloporphyrin-Catalyzed Biomimetic Oxidation of a Drug in a Magnechip Reactor. <i>Micromachines</i> , 2019, 10, 668.	1.4	10
22	Exploring the substrate scope of ferulic acid decarboxylase (FDC1) from <i>Saccharomyces cerevisiae</i> . <i>Scientific Reports</i> , 2019, 9, 647.	1.6	14
23	Immobilized Whole-Cell Transaminase Biocatalysts for Continuous-Flow Kinetic Resolution of Amines. <i>Catalysts</i> , 2019, 9, 438.	1.6	33
24	Green synthesis and <i>in situ</i> immobilization of gold nanoparticles and their application for the reduction of <i>p</i> -nitrophenol in continuous-flow mode. <i>RSC Advances</i> , 2019, 9, 9193-9197.	1.7	9
25	Composite beads of silica gel, alginate and poly(aspartic acid) for the immobilization of a lipase enzyme. <i>EXPRESS Polymer Letters</i> , 2019, 13, 512-523.	1.1	14
26	How to Turn Yeast Cells into a Sustainable and Switchable Biocatalyst? On-Demand Catalysis of Ketone Bioreduction or Acyloin Condensation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 19375-19383.	3.2	11
27	"Fishing and Hunting" Selective Immobilization of a Recombinant Phenylalanine Ammonia-Lyase from Fermentation Media. <i>Molecules</i> , 2019, 24, 4146.	1.7	13
28	Bioactive 3D Structure of Phenylalanine Ammonia-Lyase Reveal Key Insights into Ligand Binding Dynamics. <i>Biophysical Journal</i> , 2018, 114, 406a.	0.2	9
29	Covalently immobilized Trp60Cys mutant of Trp-transaminase from <i>Chromobacterium violaceum</i> for kinetic resolution of racemic amines in batch and continuous-flow modes. <i>Biochemical Engineering Journal</i> , 2018, 132, 270-278.	1.8	29
30	<i>Pseudomonas fluorescens</i> Strain R124 Encodes Three Different MIO Enzymes. <i>ChemBioChem</i> , 2018, 19, 411-418.	1.3	11
31	Tailored Mutants of Phenylalanine Ammonia-Lyase from <i>Petroselinum crispum</i> for the Synthesis of Bulky and <i>d</i> -Arylalanines. <i>ChemCatChem</i> , 2018, 10, 2627-2633.	1.8	18
32	Chemoenzymatic Dynamic Kinetic Resolution of Amines in Fully Continuous-Flow Mode. <i>Organic Letters</i> , 2018, 20, 8052-8056.	2.4	21
33	Optimization of 2-alkoxyacetates as acylating agent for enzymatic kinetic resolution of chiral amines. <i>Tetrahedron</i> , 2018, 74, 3663-3670.	1.0	8
34	Co-immobilized Whole Cells with Trp-transaminase and Ketoreductase Activities for Continuous-Flow Cascade Reactions. <i>ChemBioChem</i> , 2018, 19, 1845-1848.	1.3	27
35	Microstructural Distinction of Electrospun Nanofibrous Drug Delivery Systems Formulated with Different Excipients. <i>Molecular Pharmaceutics</i> , 2018, 15, 4214-4225.	2.3	24
36	Click reaction-aided enzymatic kinetic resolution of secondary alcohols. <i>Reaction Chemistry and Engineering</i> , 2018, 3, 790-798.	1.9	4

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37	Smart Nanoparticles for Selective Immobilization of Acid Phosphatases. <i>ChemCatChem</i> , 2018, 10, 3490-3499.	1.8	16
38	A szintetikus kőmiájta az enzimárnak gíg " A Bioorganikus Kőmiái Kutatáscsoport bemutatájsa. <i>Magyar Kémiai Folyóirat, Kémiai Közlemenyek</i> , 2018, 124, 93-100.	0.0	0
39	Structural snapshots of multiple enzyme-ligand complexes pave the road for semi-rational enzyme engineering. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2018, 74, e37-e38.	0.0	0
40	In-situ measurement of magnetic nanoparticle quantity in a microfluidic device. <i>Microsystem Technologies</i> , 2017, 23, 3979-3990.	1.2	17
41	A Methylidene Group in the Phosphonic Acid Analogue of Phenylalanine Reverses the Enantioference of Binding to Phenylalanine Ammonia-lyases. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 2109-2120.	2.1	9
42	Expanding the substrate scope of phenylalanine ammonia-lyase from <i>Petroselinum crispum</i> towards styrylalanines. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 3717-3727.	1.5	28
43	Immobilization engineering " How to design advanced sol-gel systems for biocatalysis?. <i>Green Chemistry</i> , 2017, 19, 3927-3937.	4.6	44
44	Aminated Single-walled Carbon Nanotubes as Carrier for Covalent Immobilization of Phenylalanine Ammonia-lyase. <i>Periodica Polytechnica: Chemical Engineering</i> , 2017, 61, 59.	0.5	13
45	A novel phenylalanine ammonia-lyase from <i>Kangiella koreensis</i> . <i>Studia Universitatis Babes-Bolyai Chemia</i> , 2017, 62, 293-308.	0.1	7
46	Tailoring the Spacer Arm for Covalent Immobilization of <i>Candida antarctica</i> Lipase " Thermal Stabilization by Bisepoxide-Activated Aminoalkyl Resins in Continuous-Flow Reactors. <i>Molecules</i> , 2016, 21, 767.	1.7	28
47	Microfluidic Multiple Chamber Chip Reactor Filled with Enzyme-Coated Magnetic Nanoparticles. , 2016, , ,		1
48	Microfluidic multiple cell chip reactor filled with enzyme-coated magnetic nanoparticles " An efficient and flexible novel tool for enzyme catalyzed biotransformations. <i>Journal of Flow Chemistry</i> , 2016, 6, 43-52.	1.2	38
49	<i>Wickerhamomyces subpelliculosus</i> as whole-cell biocatalyst for stereoselective bioreduction of ketones. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 134, 206-214.	1.8	6
50	Creating an Efficient Methanol-Stable Biocatalyst by Protein and Immobilization Engineering Steps towards Efficient Biosynthesis of Biodiesel. <i>ChemSusChem</i> , 2016, 9, 3161-3170.	3.6	27
51	Bioimprinted lipases in PVA nanofibers as efficient immobilized biocatalysts. <i>Tetrahedron</i> , 2016, 72, 7335-7342.	1.0	38
52	Influence of the aromatic moiety in 1- and 2-aryllalanines on their biotransformation with phenylalanine 2,3-aminomutase from <i>Pantoea agglomerans</i> . <i>RSC Advances</i> , 2016, 6, 56412-56420.	1.7	6
53	A Continuous-Flow Cascade Reactor System for Subtilisin A-Catalyzed Dynamic Kinetic Resolution of <i>N</i> -tert-Butyloxycarbonylphenylalanine Ethyl Thioester with Benzylamine. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 1608-1617.	2.1	32
54	Isopropyl 2-ethoxyacetate " an efficient acylating agent for lipase-catalyzed kinetic resolution of amines in batch and continuous-flow modes. <i>Tetrahedron</i> , 2016, 72, 7249-7255.	1.0	21

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55	Electrospun polylactic acid and polyvinyl alcohol fibers as efficient and stable nanomaterials for immobilization of lipases. <i>Bioprocess and Biosystems Engineering</i> , 2016, 39, 449-459.	1.7	38
56	Stereochemistry and Stereoselective Synthesis: An Introduction. , 2016, , .		7
57	Phenylalanine Ammonia-Lyase-Catalyzed Deamination of an Acyclic Amino Acid: Enzyme Mechanistic Studies Aided by a Novel Microreactor Filled with Magnetic Nanoparticles. <i>ChemBioChem</i> , 2015, 16, 2283-2288.	1.3	46
58	From Synthetic Chemistry and Stereoselective Biotransformations to Enzyme Biochemistry – The Bioorganic Chemistry Group at the Budapest University of Technology and Economics. <i>Periodica Polytechnica: Chemical Engineering</i> , 2015, 59, 59-71.	0.5	3
59	Copper(II) Fluoride a New Efficient Promoter of Chan-Lam-Evans Coupling. <i>Periodica Polytechnica: Chemical Engineering</i> , 2015, 59, 243-246.	0.5	1
60	Chemoenzymatic route to Tyrphostins involving lipase-catalyzed kinetic resolution of 1-phenylethanamine with alkyl cyanoacetates as novel acylating agents. <i>Tetrahedron: Asymmetry</i> , 2015, 26, 644-649.	1.8	10
61	Immobilization of Phenylalanine Ammonia-Lyase on Single-Walled Carbon Nanotubes for Stereoselective Biotransformations in Batch and Continuous-Flow Modes. <i>ChemCatChem</i> , 2015, 7, 1122-1128.	1.8	43
62	Synthesis of enantiopure l-(5-phenylfuran-2-yl)alanines by a sequential multienzyme process. <i>Tetrahedron: Asymmetry</i> , 2015, 26, 1095-1101.	1.8	5
63	Additives Enhancing the Catalytic Properties of Lipase from <i>Burkholderia cepacia</i> Immobilized on Mixed-Function-Grafted Mesoporous Silica Gel. <i>Molecules</i> , 2014, 19, 9818-9837.	1.7	37
64	Bisepoxide Cross-Linked Enzyme Aggregates – New Immobilized Biocatalysts for Selective Biotransformations. <i>ChemCatChem</i> , 2014, 6, 1463-1469.	1.8	14
65	Lipase-Catalyzed Kinetic Resolution of 1-(2-Hydroxycyclohexyl)Indoles in Batch and Continuous-Flow Systems. <i>Journal of Flow Chemistry</i> , 2014, 4, 125-134.	1.2	10
66	Expression and Properties of the Highly Alkalophilic Phenylalanine Ammonia-Lyase of Thermophilic <i>Rubrobacter xylanophilus</i> . <i>PLoS ONE</i> , 2014, 9, e85943.	1.1	24
67	Hydrophobic adsorption and covalent immobilization of <i>Candida antarctica</i> lipase B on mixed-function-grafted silica gel supports for continuous-flow biotransformations. <i>Process Biochemistry</i> , 2013, 48, 1039-1047.	1.8	41
68	Chemoenzymatic synthesis of both enantiomers of 3-hydroxy- and 3-amino-3-phenylpropanoic acid. <i>Tetrahedron: Asymmetry</i> , 2013, 24, 1389-1394.	1.8	7
69	How the mode of <i>Candida antarctica</i> lipase B immobilization affects the continuous-flow kinetic resolution of racemic amines at various temperatures. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 85-86, 119-125.	1.8	37
70	Immobilization of lipases from <i>Rhizomucor miehei</i> and <i>Thermomyces lanuginosus</i> by adsorption on variously grafted silica gels. <i>Periodica Polytechnica: Chemical Engineering</i> , 2013, 57, 37.	0.5	3
71	Preparation of Unnatural Amino Acids with Ammonia-Lyases and 2,3-Aminomutases. <i>Methods in Molecular Biology</i> , 2012, 794, 3-19.	0.4	26
72	Mechanism of the Tyrosine Ammonia Lyase Reaction – Tandem Nucleophilic and Electrophilic Enhancement by a Proton Transfer. <i>Chemistry - A European Journal</i> , 2012, 18, 7793-7802.	1.7	37

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73	Disubstituted dialkoxysilane precursors in binary and ternary sol-gel systems for lipase immobilization. <i>Process Biochemistry</i> , 2012, 47, 428-434.	1.8	19
74	Lipase mediated sequential resolution of aromatic 1 ^o -hydroxy esters using fatty acid derivatives. <i>Tetrahedron: Asymmetry</i> , 2011, 22, 1672-1679.	1.8	16
75	Computational investigation of the histidine ammonia-lyase reaction: a modified loop conformation and the role of the zinc(II) ion. <i>Journal of Molecular Modeling</i> , 2011, 17, 1551-1563.	0.8	15
76	Novel Sol-Gel Lipases by Designed Bioimprinting for Continuous-Flow Kinetic Resolutions. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 2481-2491.	2.1	38
77	Fine-tuning the second generation sol-gel lipase immobilization with ternary alkoxy silane precursor systems. <i>Process Biochemistry</i> , 2011, 46, 52-58.	1.8	42
78	Lipase-catalyzed kinetic resolutions of racemic 1-(10-ethyl-10H-phenothiazin-1,2, and 4-yl)ethanols and their acetates. <i>Tetrahedron: Asymmetry</i> , 2011, 22, 916-923.	1.8	15
79	Reductive amination of ketones: novel one-step transfer hydrogenations in batch and continuous-flow mode. <i>Tetrahedron Letters</i> , 2011, 52, 1310-1312.	0.7	35
80	Lipase-catalyzed kinetic resolution of 2-methylene-substituted cycloalkanols in batch and continuous-flow modes. <i>Process Biochemistry</i> , 2010, 45, 859-865.	1.8	37
81	Integrated enzymatic production of specific structured lipid and phytosterol ester compositions. <i>Process Biochemistry</i> , 2010, 45, 1245-1250.	1.8	19
82	Resolution of racemic trans-1,2-cyclohexanediol with tartaric acid. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 1587-1592.	1.8	14
83	Enantiomer selective acylation of racemic alcohols by lipases in continuous-flow bioreactors. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 237-246.	1.8	87
84	Lipase-catalyzed kinetic resolution of racemic 1-heteroarylethanols—experimental and QM/MM study. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 1844-1852.	1.8	27
85	Lipase-catalyzed kinetic resolution of 4-aryl- and 4-heteroarylbut-3-en-2-ols. <i>Arkivoc</i> , 2008, 2008, 54-65.	0.3	3
86	Synthesis and enantioselective rearrangement of (Z)-4-triphenylmethoxy-2,3-epoxybutan-1-ol enantiomers. <i>Chirality</i> , 2007, 19, 197-202.	1.3	10
87	Convenient enzymatic preparation of conjugated linoleic acid alkyl esters with C ₆ -C ₂₂ alcohols. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2007, 45, 45-49.	1.8	6
88	Production and Application of Novel Sterol Esterases from <i>Aspergillus</i> Strains by Solid State Fermentation. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2007, 84, 907-915.	0.8	11
89	The essential tyrosine-containing loop conformation and the role of the C-terminal multi-helix region in eukaryotic phenylalanine ammonia-lyases. <i>FEBS Journal</i> , 2006, 273, 1004-1019.	2.2	47
90	Lipase-catalyzed enantioselective acylation of 3-benzyloxypropane-1,2-diol in supercritical carbon dioxide. <i>Biochemical Engineering Journal</i> , 2006, 28, 275-280.	1.8	19

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91	Lipase mediated enantiomer and diastereomer separation of 2,2-[[1,2- and 1,3-phenylenebis(oxy)]dicyclohexanols. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 2377-2385.	1.8	5
92	Stereoselective production of (S)-1-alkyl- and 1-arylethanols by freshly harvested and lyophilized yeast cells. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 268-274.	1.8	39
93	Kinetic resolutions with novel, highly enantioselective fungal lipases produced by solid state fermentation. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2006, 39, 141-148.	1.8	47
94	Production of Cellulolytic Enzymes by a Newly Isolated, <i>Trichoderma</i> sp. FETL c3-2 via Solid State Fermentation Grown on Sugar Cane Baggase: Palm Kernel Cake as Substrates. <i>Pakistan Journal of Biological Sciences</i> , 2006, 9, 1430-1437.	0.2	19
95	Efficient, scalable kinetic resolution of cis-4-benzyloxy-2,3-epoxybutanol. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 3841-3847.	1.8	10
96	The base-catalyzed, low-temperature interesterification mechanism revisited. <i>European Journal of Lipid Science and Technology</i> , 2005, 107, 912-921.	1.0	28
97	Friedel-Crafts-Type Mechanism for the Enzymatic Elimination of Ammonia from Histidine and Phenylalanine. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 3668-3688.	7.2	120
98	Friedel-Crafts-Type Mechanism for the Enzymatic Elimination of Ammonia from Histidine and Phenylalanine. <i>ChemInform</i> , 2005, 36, no.	0.1	0
99	Influence of precursors and additives on microbial lipases stabilized by sol-gel entrapment. <i>Biocatalysis and Biotransformation</i> , 2005, 23, 251-260.	1.1	13
100	Predicted 3D-structure of melanopsin, the non-rod, non-cone photopigment of the mammalian circadian clock, from Djungarian hamsters (<i>Phodopus sungorus</i>). <i>Neuroscience Letters</i> , 2005, 376, 76-80.	1.0	10
101	Chemoenzymatic preparation of all the stereoisomers of 2-(1-hydroxyethyl)- and 2,6-bis(1-hydroxyethyl)pyridines and their acetates. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 2483-2490.	1.8	8
102	Chemistry of Indoles Carrying a Basic Function. Part IX. Unexpected Cyclizations of Diketones Derived from Uhlé's Ketone. <i>Heterocycles</i> , 2004, 64, 153.	0.4	3
103	Comparative study on separation of diastereomers by HPLC. <i>Chromatographia</i> , 2003, 57, 147-153.	0.7	14
104	Mechanistic Investigation of Phenylalanine Ammonia Lyase by Using N-Methylated Phenylalanines. <i>Helvetica Chimica Acta</i> , 2003, 86, 3601-3612.	1.0	8
105	Novel Hydrolases from Thermophilic Filamentous Fungi for Enantiomerically and Enantiotopically Selective Biotransformations. <i>Advanced Synthesis and Catalysis</i> , 2003, 345, 811-818.	2.1	13
106	Chemo-enzymatic Preparation of Hydroxymethyl Ketones. <i>ChemInform</i> , 2003, 34, no.	0.1	0
107	Optically Active 1-(Benzofuran-2-yl)ethanols and Ethane-1,2-diols by Enantiotopic Selective Bioreductions. <i>ChemInform</i> , 2003, 34, no.	0.1	0
108	Preparation of Novel Phenylfuran-Based Cyanohydrin Esters: Lipase-Catalyzed Kinetic and Dynamic Resolution. <i>ChemInform</i> , 2003, 34, no.	0.1	0

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109	Optically active 1-(benzofuran-2-yl)ethanols and ethane-1,2-diols by enantiotopic selective bioreductions. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 1495-1501.	1.8	47
110	Preparation of novel phenylfuran-based cyanohydrin esters: lipase-catalysed kinetic and dynamic resolution. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 1895-1904.	1.8	35
111	Kinetic resolution of 1-(benzofuran-2-yl)ethanols by lipase-catalyzed enantiomer selective reactions. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 1943-1949.	1.8	32
112	Kinetic resolution of trans-2-acetoxycycloalkan-1-ols by lipase-catalysed enantiomerically selective acylation. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 2605-2612.	1.8	20
113	Properties and Synthetic Applications of Ammonia-Lyases. <i>Current Organic Chemistry</i> , 2003, 7, 1297-1315.	0.9	25
114	Baker's yeast mediated preparation of (10-alkyl-10H-phenothiazin-3-yl)methanols. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2002, 17, 241-248.	1.8	17
115	Synthesis of optically active 3-substituted-10-alkyl-10H-phenothiazine-5-oxides by enantioselective biotransformations. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 211-221.	1.8	15
116	An active site homology model of phenylalanine ammonia-lyase from <i>P. fluorescens</i> . <i>FEBS Journal</i> , 2002, 269, 3065-3075.	0.2	77
117	Chemo-enzymatic preparation of hydroxymethyl ketones. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2002, , 2400-2402.	1.3	10
118	Methylidene-imidazolone: a novel electrophile for substrate activation. <i>Current Opinion in Chemical Biology</i> , 2001, 5, 512-524.	2.8	57
119	Characterization of the active site of histidine ammonia-lyase from <i>Pseudomonas putida</i> . <i>FEBS Journal</i> , 2001, 268, 6011-6019.	0.2	53
120	SELECTIVE OXIDATION METHODS FOR PREPARATION OF N-ALKYLPHENOTHIAZINE SULFOXIDES AND SULFONES. <i>Heterocyclic Communications</i> , 2001, 7, .	0.6	11
121	Phenylalanine Ammonia-Lyase: The Use of Its Broad Substrate Specificity for Mechanistic Investigations and Biocatalysis's Synthesis of L-Arylalanines. <i>Chemistry - A European Journal</i> , 2000, 6, 3386-3390.	1.7	82
122	Elucidation of the coenzyme binding mode of further B12-dependent enzymes using a base-off analogue of coenzyme B12. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2000, 10, 345-350.	1.8	15
123	Lipase-catalyzed enantioselective acetylation of 2-acyloxypropane-1,3-diols. Influence of the acyl moiety on the selectivity. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2000, 10, 583-596.	1.8	9
124	Synthesis and Lipase-Catalyzed Enantioselective Acetylation of 2-Benzoyloxy-1,3-propanediol. <i>Synlett</i> , 1999, 1999, 759-761.	1.0	11
125	Baker's yeast mediated reduction of dihydroxyacetone derivatives. <i>Tetrahedron: Asymmetry</i> , 1999, 10, 4017-4028.	1.8	22
126	Ribonucleoside Triphosphate Reductase from <i>Lactobacillus leichmannii</i> : Kinetic Evaluation of a Series of Adenosylcobalamin Competitive Inhibitors, [1%-(Adenosin-5-yl)alkyl]cobalamins, Which Mimic the Post Co-C Homolysis Intermediate. <i>Bioorganic Chemistry</i> , 1999, 27, 451-462.	2.0	5

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127	(Hydroxyalkyl)cob(III)alamins as Competitive Inhibitors in Coenzyme B12-Dependent Enzymic Reactions: 1H-NMR Structure Analysis and Kinetic Studies with Glycerol Dehydratase and Diol Dehydratase. <i>Helvetica Chimica Acta</i> , 1999, 82, 1250-1265.	1.0	5
128	Baker's yeast mediated stereoselective biotransformation of 1-acetoxy-3-aryloxypropan-2-ones. <i>Tetrahedron: Asymmetry</i> , 1998, 9, 271-283.	1.8	42
129	The Behavior of Substrate Analogues and Secondary Deuterium Isotope Effects in the Phenylalanine Ammonia-Lyase Reaction. <i>Archives of Biochemistry and Biophysics</i> , 1998, 359, 1-7.	1.4	45
130	Kinetic Investigations with Inhibitors that Mimic the Postomolysis Intermediate in the Reactions of Coenzyme-B12-Dependent Glycerol Dehydratase and Diol Dehydratase. <i>FEBS Journal</i> , 1997, 245, 398-401.	0.2	12
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