

Prof László Poppe

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6395035/publications.pdf>

Version: 2024-02-01

146
papers

2,888
citations

147801

31
h-index

265206

42
g-index

156
all docs

156
docs citations

156
times ranked

2337
citing authors

| # | 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, . | 2.6 | 9 |
| 2 | Cross-Linked Enzyme-Adhered Nanoparticles (CLEANs) for Continuous-Flow Bioproduction. <i>ChemSusChem</i> , 2022, 15, . | 6.8 | 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. | 4.4 | 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. | 11.2 | 21 |
| 5 | Magnetically Agitated Nanoparticle-Based Batch Reactors for Biocatalysis with Immobilized Aspartate Ammonia-Lyase. <i>Catalysts</i> , 2021, 11, 483. | 3.5 | 7 |
| 6 | Characterization of Yeast Strains with Ketoreductase Activity for Bioreduction of Ketones. <i>Periodica Polytechnica: Chemical Engineering</i> , 2021, 65, 299-307. | 1.1 | 2 |
| 7 | Nanofibrous Formulation of Cyclodextrin Stabilized Lipases for Efficient Pancreatin Replacement Therapies. <i>Pharmaceutics</i> , 2021, 13, 972. | 4.5 | 3 |
| 8 | Application of supported lanthanum catalysts in the hydrogenation of nitriles. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2021, 133, 687. | 1.7 | 2 |
| 9 | Entrapment of Phenylalanine Ammonia-Lyase in Nanofibrous Polylactic Acid Matrices by Emulsion Electrospinning. <i>Catalysts</i> , 2021, 11, 1149. | 3.5 | 6 |
| 10 | Efficient Synthesis of Pharmaceutically Relevant Prochiral Heterocyclic Aminoketones. <i>Periodica Polytechnica: Chemical Engineering</i> , 2021, 65, 177-182. | 1.1 | 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. | 3.7 | 2 |
| 12 | Transaminase Catalysis for Enantiopure Saturated Heterocycles as Potential Drug Scaffolds. <i>Catalysts</i> , 2021, 11, 1501. | 3.5 | 1 |
| 13 | Controlled degradation of poly- ϵ -caprolactone for resorbable scaffolds. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 186, 110678. | 5.0 | 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. | 3.8 | 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. | 4.1 | 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. | 3.6 | 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. | 5.2 | 12 |
| 18 | Polymer Nanofiber Deposition in Lab-on-a-Chip Devices By Electrospinning. , 2020, , . | | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 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. | 1.1 | 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. | 11.2 | 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. | 2.9 | 10 |
| 22 | Exploring the substrate scope of ferulic acid decarboxylase (FDC1) from <i>Saccharomyces cerevisiae</i> . <i>Scientific Reports</i> , 2019, 9, 647. | 3.3 | 14 |
| 23 | Immobilized Whole-Cell Transaminase Biocatalysts for Continuous-Flow Kinetic Resolution of Amines. <i>Catalysts</i> , 2019, 9, 438. | 3.5 | 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. | 3.6 | 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. | 2.1 | 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. | 6.7 | 11 |
| 27 | "Fishing and Hunting" Selective Immobilization of a Recombinant Phenylalanine Ammonia-Lyase from Fermentation Media. <i>Molecules</i> , 2019, 24, 4146. | 3.8 | 13 |
| 28 | Bioactive 3D Structure of Phenylalanine Ammonia-Lyase Reveal Key Insights into Ligand Binding Dynamics. <i>Biophysical Journal</i> , 2018, 114, 406a. | 0.5 | 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. | 3.6 | 29 |
| 30 | <i>Pseudomonas fluorescens</i> Strain R124 Encodes Three Different MIO Enzymes. <i>ChemBioChem</i> , 2018, 19, 411-418. | 2.6 | 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. | 3.7 | 18 |
| 32 | Chemoenzymatic Dynamic Kinetic Resolution of Amines in Fully Continuous-Flow Mode. <i>Organic Letters</i> , 2018, 20, 8052-8056. | 4.6 | 21 |
| 33 | Optimization of 2-alkoxyacetates as acylating agent for enzymatic kinetic resolution of chiral amines. <i>Tetrahedron</i> , 2018, 74, 3663-3670. | 1.9 | 8 |
| 34 | Co-immobilized Whole Cells with Trp-transaminase and Ketoreductase Activities for Continuous-Flow Cascade Reactions. <i>ChemBioChem</i> , 2018, 19, 1845-1848. | 2.6 | 27 |
| 35 | Microstructural Distinction of Electrospun Nanofibrous Drug Delivery Systems Formulated with Different Excipients. <i>Molecular Pharmaceutics</i> , 2018, 15, 4214-4225. | 4.6 | 24 |
| 36 | Click reaction-aided enzymatic kinetic resolution of secondary alcohols. <i>Reaction Chemistry and Engineering</i> , 2018, 3, 790-798. | 3.7 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Smart Nanoparticles for Selective Immobilization of Acid Phosphatases. <i>ChemCatChem</i> , 2018, 10, 3490-3499. | 3.7 | 16 |
| 38 | A szintetikus kőmiájta az enzimárnak gíg " A Bioorganikus Kőmiái Kutatáscsoport bemutatája. <i>Magyar Kémiai Folyóirat, Kémiai Közlemények</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. | 0.1 | 0 |
| 40 | In-situ measurement of magnetic nanoparticle quantity in a microfluidic device. <i>Microsystem Technologies</i> , 2017, 23, 3979-3990. | 2.0 | 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. | 4.3 | 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. | 2.8 | 28 |
| 43 | Immobilization engineering " How to design advanced sol-gel systems for biocatalysis?. <i>Green Chemistry</i> , 2017, 19, 3927-3937. | 9.0 | 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. | 1.1 | 13 |
| 45 | A novel phenylalanine ammonia-lyase from <i>Kangiella koreensis</i> . <i>Studia Universitatis Babeş-Bolyai Chemia</i> , 2017, 62, 293-308. | 0.2 | 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. | 3.8 | 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. | 1.9 | 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. | 6.8 | 27 |
| 51 | Bioimprinted lipases in PVA nanofibers as efficient immobilized biocatalysts. <i>Tetrahedron</i> , 2016, 72, 7335-7342. | 1.9 | 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. | 3.6 | 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. | 4.3 | 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. | 1.9 | 21 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 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. | 3.4 | 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. | 2.6 | 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. | 1.1 | 3 |
| 59 | Copper(II) Fluoride a New Efficient Promoter of Chan-Lam-Evans Coupling. <i>Periodica Polytechnica: Chemical Engineering</i> , 2015, 59, 243-246. | 1.1 | 1 |
| 60 | Chemoenzymatic route to Tyrphostins involving lipase-catalyzed kinetic resolution of 1-phenylethylamine 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. | 3.7 | 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. | 3.8 | 37 |
| 64 | Bisepoxide Cross-Linked Enzyme Aggregates – New Immobilized Biocatalysts for Selective Biotransformations. <i>ChemCatChem</i> , 2014, 6, 1463-1469. | 3.7 | 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. | 1.9 | 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. | 2.5 | 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. | 3.7 | 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. | 1.1 | 3 |
| 71 | Preparation of Unnatural Amino Acids with Ammonia-Lyases and 2,3-Aminomutases. <i>Methods in Molecular Biology</i> , 2012, 794, 3-19. | 0.9 | 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. | 3.3 | 37 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | Disubstituted dialkoxysilane precursors in binary and ternary sol-gel systems for lipase immobilization. <i>Process Biochemistry</i> , 2012, 47, 428-434. | 3.7 | 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. | 1.8 | 15 |
| 76 | Novel Sol-Gel Lipases by Designed Bioimprinting for Continuous-Flow Kinetic Resolutions. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 2481-2491. | 4.3 | 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. | 3.7 | 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. | 1.4 | 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. | 3.7 | 37 |
| 81 | Integrated enzymatic production of specific structured lipid and phytosterol ester compositions. <i>Process Biochemistry</i> , 2010, 45, 1245-1250. | 3.7 | 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. | 0.5 | 3 |
| 86 | Synthesis and enantioselective rearrangement of (Z)-4-triphenylmethoxy-2,3-epoxybutan-1-ol enantiomers. <i>Chirality</i> , 2007, 19, 197-202. | 2.6 | 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. | 1.9 | 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. | 4.7 | 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. | 3.6 | 19 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 91 | Lipase mediated enantiomer and diastereomer separation of 2,2- 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. | 0.5 | 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. | 1.5 | 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. | 13.8 | 120 |
| 98 | Friedel-Crafts-Type Mechanism for the Enzymatic Elimination of Ammonia from Histidine and Phenylalanine. <i>ChemInform</i> , 2005, 36, no. | 0.0 | 0 |
| 99 | Influence of precursors and additives on microbial lipases stabilized by sol-gel entrapment. <i>Biocatalysis and Biotransformation</i> , 2005, 23, 251-260. | 2.0 | 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. | 2.1 | 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. | 0.7 | 3 |
| 103 | Comparative study on separation of diastereomers by HPLC. <i>Chromatographia</i> , 2003, 57, 147-153. | 1.3 | 14 |
| 104 | Mechanistic Investigation of Phenylalanine Ammonia Lyase by Using N-Methylated Phenylalanines. <i>Helvetica Chimica Acta</i> , 2003, 86, 3601-3612. | 1.6 | 8 |
| 105 | Novel Hydrolases from Thermophilic Filamentous Fungi for Enantiomerically and Enantiotopically Selective Biotransformations. <i>Advanced Synthesis and Catalysis</i> , 2003, 345, 811-818. | 4.3 | 13 |
| 106 | Chemo-enzymatic Preparation of Hydroxymethyl Ketones.. <i>ChemInform</i> , 2003, 34, no. | 0.0 | 0 |
| 107 | Optically Active 1-(Benzofuran-2-yl)ethanols and Ethane-1,2-diols by Enantiotopic Selective Bioreductions.. <i>ChemInform</i> , 2003, 34, no. | 0.0 | 0 |
| 108 | Preparation of Novel Phenylfuran-Based Cyanohydrin Esters: Lipase-Catalyzed Kinetic and Dynamic Resolution.. <i>ChemInform</i> , 2003, 34, no. | 0.0 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 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. | 1.6 | 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. | 6.1 | 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, . | 1.2 | 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. | 3.3 | 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. | 1.8 | 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. | 4.1 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 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. | 1.6 | 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. | 3.0 | 45 |
| 130 | Kinetic Investigations with Inhibitors that Mimic the Postomolysis Intermediate in the Reactions of Coenzyme B ₁₂ -Dependent Glycerol Dehydratase and Diol Dehydratase. <i>FEBS Journal</i> , 1997, 245, 398-401. | 0.2 | 12 |
| 131 | A Base-Off Analogue of Coenzyme-B12 with a Modified Nucleotide Loop. 1H-NMR Structure Analysis and Kinetic Studies with (R)-Methylmalonyl-CoA Mutase, Glycerol Dehydratase, and Diol Dehydratase. <i>FEBS Journal</i> , 1997, 250, 303-307. | 0.2 | 26 |
| 132 | Synthesis and lipase-catalyzed asymmetric acetylation of 3-hydroxy-2-hydroxymethylpropanal acetals. <i>Tetrahedron: Asymmetry</i> , 1997, 8, 547-557. | 1.8 | 18 |
| 133 | Kinetic resolution of 2-acylated-1,2-diols by lipase-catalyzed enantiomer selective acylation. <i>Tetrahedron: Asymmetry</i> , 1996, 7, 1437-1448. | 1.8 | 24 |
| 134 | Convenient Synthesis of Monoprotected 1,2-Diols. <i>Synthetic Communications</i> , 1995, 25, 3993-4000. | 2.1 | 10 |
| 135 | B12-Dependent Rearrangements: Kinetic Investigations on Methylmalonyl-CoA Mutase. <i>Archives of Biochemistry and Biophysics</i> , 1995, 316, 541-546. | 3.0 | 14 |
| 136 | Synthesis and Characterization of (5'-Deoxyadenosin-5'-yl)cobalamin (= Adenosylcobalamin™) Analogues Mimicking the Transition-State Geometry of Coenzyme-B12-Dependent Rearrangements. <i>Helvetica Chimica Acta</i> , 1993, 76, 2367-2383. | 1.6 | 16 |
| 137 | Lipase-catalyzed enantiomer selective hydrolysis of 1,2-diol diacetates. <i>Tetrahedron: Asymmetry</i> , 1993, 4, 2211-2217. | 1.8 | 37 |
| 138 | Synthesis of Novel HMG-CoA Reductase Inhibitors, I. Naphthalene Analogs of Mevinolin. <i>Liebigs Annalen Der Chemie</i> , 1992, 1992, 145-157. | 0.8 | 14 |
| 139 | Baker's yeast mediated synthesis of (5R, 9S)-5,9-dimethyl-heptadecane and (5R, 9S)-5,9-dimethyl pentadecane; the main sex-pheromone components of <i>Leucoptera scitella</i> and <i>Perileucoptera coffeella</i> enriched in 9S-isomers. <i>Tetrahedron Letters</i> , 1991, 32, 2643-2646. | 1.4 | 13 |
| 140 | Convenient synthetic route to (+)-faranal and (+)-13-norfarnal. <i>Tetrahedron</i> , 1988, 44, 1477-1487. | 1.9 | 39 |
| 141 | A Convenient Synthesis of (E)- ¹² Farnesene. <i>Synthetic Communications</i> , 1987, 17, 173-179. | 2.1 | 12 |
| 142 | A convenient synthetic route to (+)-faranal; The trail pheromone of pharaoh's ant. <i>Tetrahedron Letters</i> , 1986, 27, 5769-5772. | 1.4 | 14 |
| 143 | A Facile Synthesis of Two Isomeric Components of San Jose Scale Pheromone. <i>Synthesis</i> , 1985, 1985, 939-941. | 2.3 | 17 |
| 144 | Electrospun Nanofibers for Entrapment of Biomolecules. , 0, , . | | 7 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 145 | Diisopropyl Malonate as Acylating Agent in Kinetic Resolution of Chiral Amines with Lipase B from <i>Candida antarctica</i> . <i>Periodica Polytechnica: Chemical Engineering</i> , 0, , . | 1.1 | 1 |
| 146 | CHAPTER 15. SynBiocat: Protein Purification, Immobilization and Continuous-flow Processes. <i>RSC Catalysis Series</i> , 0, , 397-430. | 0.1 | 0 |