

Prof László Poppe

List of Publications by Year in descending order

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146
papers

2,888
citations

147801

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docs citations

156
times ranked

2337
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Enantiomer selective acylation of racemic alcohols by lipases in continuous-flow bioreactors. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 237-246.	1.8	87
3	Phenylalanine Ammonia-Lyase: The Use of Its Broad Substrate Specificity for Mechanistic Investigations and Biocatalysis—Synthesis of L-Arylalanines. <i>Chemistry - A European Journal</i> , 2000, 6, 3386-3390.	3.3	82
4	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
5	Methylidene-imidazolone: a novel electrophile for substrate activation. <i>Current Opinion in Chemical Biology</i> , 2001, 5, 512-524.	6.1	57
6	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
7	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
8	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
9	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
10	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
11	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
12	Immobilization engineering — How to design advanced sol-gel systems for biocatalysis?. <i>Green Chemistry</i> , 2017, 19, 3927-3937.	9.0	44
13	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
14	Baker's yeast mediated stereoselective biotransformation of 1-acetoxy-3-aryloxypropan-2-ones. <i>Tetrahedron: Asymmetry</i> , 1998, 9, 271-283.	1.8	42
15	Fine-tuning the second generation sol-gel lipase immobilization with ternary alkoxysilane precursor systems. <i>Process Biochemistry</i> , 2011, 46, 52-58.	3.7	42
16	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
17	Convenient synthetic route to (+)-farinal and (+)-13-norfarinal. <i>Tetrahedron</i> , 1988, 44, 1477-1487.	1.9	39
18	Stereoselective production of (S)-1-aryl- and 1-arylethanols by freshly harvested and lyophilized yeast cells. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 268-274.	1.8	39

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19	Novel Solâ€Gel Lipases by Designed Bioimprinting for Continuousâ€Flow Kinetic Resolutions. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 2481-2491.	4.3	38
20	Microfluidic multiple cell chip reactor filled with enzyme-coated magnetic nanoparticles â€” An efficient and flexible novel tool for enzyme catalyzed biotransformations. <i>Journal of Flow Chemistry</i> , 2016, 6, 43-52.	1.9	38
21	Bioimprinted lipases in PVA nanofibers as efficient immobilized biocatalysts. <i>Tetrahedron</i> , 2016, 72, 7335-7342.	1.9	38
22	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
23	Lipase-catalyzed enantiomer selective hydrolysis of 1,2-diol diacetates. <i>Tetrahedron: Asymmetry</i> , 1993, 4, 2211-2217.	1.8	37
24	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
25	Mechanism of the Tyrosine Ammonia Lyase Reactionâ€”Tandem Nucleophilic and Electrophilic Enhancement by a Proton Transfer. <i>Chemistry - A European Journal</i> , 2012, 18, 7793-7802.	3.3	37
26	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
27	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
28	Preparation of novel phenylfuran-based cyanohydrin esters: lipase-catalysed kinetic and dynamic resolution. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 1895-1904.	1.8	35
29	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
30	Immobilized Whole-Cell Transaminase Biocatalysts for Continuous-Flow Kinetic Resolution of Amines. <i>Catalysts</i> , 2019, 9, 438.	3.5	33
31	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
32	A Continuousâ€Flow Cascade Reactor System for Subtilisin Aâ€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
33	Covalently immobilized Trp60Cys mutant of α -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
34	The base-catalyzed, low-temperature interesterification mechanism revisited. <i>European Journal of Lipid Science and Technology</i> , 2005, 107, 912-921.	1.5	28
35	Tailoring the Spacer Arm for Covalent Immobilization of <i>Candida antarctica</i> Lipase Bâ€”Thermal Stabilization by Bisepoxide-Activated Aminoalkyl Resins in Continuous-Flow Reactors. <i>Molecules</i> , 2016, 21, 767.	3.8	28
36	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

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37	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
38	Lipase-catalyzed kinetic resolution of racemic 1-heteroarylethanol's experimental and QM/MM study. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 1844-1852.	1.8	27
39	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
40	Co-immobilized Whole Cells with Transaminase and Ketoreductase Activities for Continuous-Flow Cascade Reactions. <i>ChemBioChem</i> , 2018, 19, 1845-1848.	2.6	27
41	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
42	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
43	Properties and Synthetic Applications of Ammonia-Lyases. <i>Current Organic Chemistry</i> , 2003, 7, 1297-1315.	1.6	25
44	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
45	Microstructural Distinction of Electrospun Nanofibrous Drug Delivery Systems Formulated with Different Excipients. <i>Molecular Pharmaceutics</i> , 2018, 15, 4214-4225.	4.6	24
46	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
47	Baker's yeast mediated reduction of dihydroxyacetone derivatives. <i>Tetrahedron: Asymmetry</i> , 1999, 10, 4017-4028.	1.8	22
48	Isopropyl 2-ethoxyacetate's 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
49	Chemoenzymatic Dynamic Kinetic Resolution of Amines in Fully Continuous-Flow Mode. <i>Organic Letters</i> , 2018, 20, 8052-8056.	4.6	21
50	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
51	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
52	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
53	Integrated enzymatic production of specific structured lipid and phytosterol ester compositions. <i>Process Biochemistry</i> , 2010, 45, 1245-1250.	3.7	19
54	Disubstituted dialkoxysilane precursors in binary and ternary sol-gel systems for lipase immobilization. <i>Process Biochemistry</i> , 2012, 47, 428-434.	3.7	19

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55	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
56	Synthesis and lipase-catalyzed asymmetric acetylation of 3-hydroxy-2-hydroxymethylpropanal acetals. <i>Tetrahedron: Asymmetry</i> , 1997, 8, 547-557.	1.8	18
57	Tailored Mutants of Phenylalanine Ammonia-lyase from <i>Petroselinum crispum</i> for the Synthesis of Bulky α - and β -Arylalanines. <i>ChemCatChem</i> , 2018, 10, 2627-2633.	3.7	18
58	A Facile Synthesis of Two Isomeric Components of San Jose Scale Pheromone. <i>Synthesis</i> , 1985, 1985, 939-941.	2.3	17
59	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
60	In-situ measurement of magnetic nanoparticle quantity in a microfluidic device. <i>Microsystem Technologies</i> , 2017, 23, 3979-3990.	2.0	17
61	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
62	Lipase mediated sequential resolution of aromatic β -hydroxy esters using fatty acid derivatives. <i>Tetrahedron: Asymmetry</i> , 2011, 22, 1672-1679.	1.8	16
63	Smart Nanoparticles for Selective Immobilization of Acid Phosphatases. <i>ChemCatChem</i> , 2018, 10, 3490-3499.	3.7	16
64	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
65	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
66	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
67	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
68	A convenient synthetic route to (+)-faranal; The trail pheromone of pharaoh's ant. <i>Tetrahedron Letters</i> , 1986, 27, 5769-5772.	1.4	14
69	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
70	B12-Dependent Rearrangements: Kinetic Investigations on Methylmalonyl-CoA Mutase. <i>Archives of Biochemistry and Biophysics</i> , 1995, 316, 541-546.	3.0	14
71	Comparative study on separation of diastereomers by HPLC. <i>Chromatographia</i> , 2003, 57, 147-153.	1.3	14
72	Resolution of racemic trans-1,2-cyclohexanediol with tartaric acid. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 1587-1592.	1.8	14

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73	Bisepoxide Cross-Linked Enzyme Aggregates—New Immobilized Biocatalysts for Selective Biotransformations. <i>ChemCatChem</i> , 2014, 6, 1463-1469.	3.7	14
74	Exploring the substrate scope of ferulic acid decarboxylase (FDC1) from <i>Saccharomyces cerevisiae</i> . <i>Scientific Reports</i> , 2019, 9, 647.	3.3	14
75	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
76	Controlled degradation of poly- μ -caprolactone for resorbable scaffolds. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 186, 110678.	5.0	14
77	Baker's yeast mediated synthesis of (5SR, 9S)-5,9-dimethyl-heptadecane and (5SR, 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
78	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
79	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
80	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
81	“Fishing and Hunting”—Selective Immobilization of a Recombinant Phenylalanine Ammonia-Lyase from Fermentation Media. <i>Molecules</i> , 2019, 24, 4146.	3.8	13
82	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
83	A Convenient Synthesis of (E)- β -Farnesene. <i>Synthetic Communications</i> , 1987, 17, 173-179.	2.1	12
84	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
85	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
86	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
87	Synthesis and Lipase-Catalyzed Enantioselective Acetylation of 2-Benzoyloxy-1,3-propanediol. <i>Synlett</i> , 1999, 1999, 759-761.	1.8	11
88	SELECTIVE OXIDATION METHODS FOR PREPARATION OF N-ALKYLPHENOTHIAZINE SULFOXIDES AND SULFONES. <i>Heterocyclic Communications</i> , 2001, 7, .	1.2	11
89	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
90	<i>Pseudomonas fluorescens</i> Strain R124 Encodes Three Different MIO Enzymes. <i>ChemBioChem</i> , 2018, 19, 411-418.	2.6	11

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91	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
92	Convenient Synthesis of Monoprotected 1,2-Diols. <i>Synthetic Communications</i> , 1995, 25, 3993-4000.	2.1	10
93	Chemo-enzymatic preparation of hydroxymethyl ketones. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2002, , 2400-2402.	1.3	10
94	Efficient, scalable kinetic resolution of cis-4-benzyloxy-2,3-epoxybutanol. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 3841-3847.	1.8	10
95	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
96	Synthesis and enantioselective rearrangement of (Z)-4-triphenylmethoxy-2,3-epoxybutan-1-ol enantiomers. <i>Chirality</i> , 2007, 19, 197-202.	2.6	10
97	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
98	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
99	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
100	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
101	A Methylidene Group in the Phosphonic Acid Analogue of Phenylalanine Reverses the Enantioselectivity of Binding to Phenylalanine Ammonia-Lyases. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 2109-2120.	4.3	9
102	Bioactive 3D Structure of Phenylalanine Ammonia-Lyase Reveal Key Insights into Ligand Binding Dynamics. <i>Biophysical Journal</i> , 2018, 114, 406a.	0.5	9
103	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
104	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
105	Mechanistic Investigation of Phenylalanine Ammonia Lyase by Using N-Methylated Phenylalanines. <i>Helvetica Chimica Acta</i> , 2003, 86, 3601-3612.	1.6	8
106	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
107	Optimization of 2-alkoxyacetates as acylating agent for enzymatic kinetic resolution of chiral amines. <i>Tetrahedron</i> , 2018, 74, 3663-3670.	1.9	8
108	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

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109	Electrospun Nanofibers for Entrapment of Biomolecules. , 0, , .		7
110	Magnetically Agitated Nanoparticle-Based Batch Reactors for Biocatalysis with Immobilized Aspartate Ammonia-Lyase. <i>Catalysts</i> , 2021, 11, 483.	3.5	7
111	Stereochemistry and Stereoselective Synthesis: An Introduction. , 2016, , .		7
112	A novel phenylalanine ammonia-lyase from <i>Kangia koreensis</i> . <i>Studia Universitatis Babeş-Bolyai Chemia</i> , 2017, 62, 293-308.	0.2	7
113	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
114	<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
115	Influence of the aromatic moiety in $\hat{1}$ - and $\hat{2}$ -arylalanines on their biotransformation with phenylalanine 2,3-aminomutase from <i>Pantoea agglomerans</i> . <i>RSC Advances</i> , 2016, 6, 56412-56420.	3.6	6
116	Magnetic Nanoparticles with Dual Surface Functions as Efficient Carriers for Metalloporphyrin-Catalyzed Drug Metabolite Synthesis in Batch and Continuous-Flow Reactors. <i>Nanomaterials</i> , 2020, 10, 2329.	4.1	6
117	Entrapment of Phenylalanine Ammonia-Lyase in Nanofibrous Polylactic Acid Matrices by Emulsion Electrospinning. <i>Catalysts</i> , 2021, 11, 1149.	3.5	6
118	Cross-Linked Enzyme-Adhered Nanoparticles (CLEANs) for Continuous-Flow Bioproduction. <i>ChemSusChem</i> , 2022, 15, .	6.8	6
119	Ribonucleoside Triphosphate Reductase from <i>Lactobacillus leichmannii</i> : Kinetic Evaluation of a Series of Adenosylcobalamin Competitive Inhibitors, [1-(Adenosin-5'-O-yl)alkyl]cobalamins, Which Mimic the Post Co-C Homolysis Intermediate. <i>Bioorganic Chemistry</i> , 1999, 27, 451-462.	4.1	5
120	(Hydroxyalkyl)cob(III)alamins as Competitive Inhibitors in Coenzyme B ₁₂ -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
121	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
122	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
123	Click reaction-aided enzymatic kinetic resolution of secondary alcohols. <i>Reaction Chemistry and Engineering</i> , 2018, 3, 790-798.	3.7	4
124	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
125	Conservation of the Biocatalytic Activity of Whole Yeast Cells by Supported Sol-Gel Entrapment for Efficient Acyloligomer Condensation. <i>Periodica Polytechnica: Chemical Engineering</i> , 2020, 64, 153-161.	1.1	4
126	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

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127	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
128	Nanofibrous Formulation of Cyclodextrin Stabilized Lipases for Efficient Pancreatin Replacement Therapies. <i>Pharmaceutics</i> , 2021, 13, 972.	4.5	3
129	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
130	Lipase-catalyzed kinetic resolution of 4-aryl- and 4-heteroarylbut-3-en-2-ols. <i>Arkivoc</i> , 2008, 2008, 54-65.	0.5	3
131	Characterization of Yeast Strains with Ketoreductase Activity for Bioreduction of Ketones. <i>Periodica Polytechnica: Chemical Engineering</i> , 2021, 65, 299-307.	1.1	2
132	Application of supported lanthanum catalysts in the hydrogenation of nitriles. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2021, 133, 687.	1.7	2
133	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
134	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
135	Microfluidic Multiple Chamber Chip Reactor Filled with Enzyme-Coated Magnetic Nanoparticles. , 2016, , .		1
136	Polymer Nanofiber Deposition in Lab-on-a-Chip Devices By Electrospinning. , 2020, , .		1
137	Efficient Synthesis of Pharmaceutically Relevant Prochiral Heterocyclic Aminoketones. <i>Periodica Polytechnica: Chemical Engineering</i> , 2021, 65, 177-182.	1.1	1
138	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
139	Transaminase Catalysis for Enantiopure Saturated Heterocycles as Potential Drug Scaffolds. <i>Catalysts</i> , 2021, 11, 1501.	3.5	1
140	Chemo-enzymatic Preparation of Hydroxymethyl Ketones.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
141	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
142	Preparation of Novel Phenylfuran-Based Cyanohydrin Esters: Lipase-Catalyzed Kinetic and Dynamic Resolution.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
143	Friedel-Crafts-Type Mechanism for the Enzymatic Elimination of Ammonia from Histidine and Phenylalanine. <i>ChemInform</i> , 2005, 36, no.	0.0	0
144	A szintetikus kőmiájítól az enzimkőrnélkőgig – A Bioorganikus Kőmiai Kutatőcsoport bemutatőja. <i>Magyar Kemi Folyoirat, Kemi Kozlemenyek</i> , 2018, 124, 93-100.	0.0	0

#	ARTICLE	IF	CITATIONS
145	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
146	CHAPTER 15. SynBiocat: Protein Purification, Immobilization and Continuous-flow Processes. <i>RSC Catalysis Series</i> , 0, , 397-430.	0.1	0