

Vytas Svedas

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

108
papers

2,406
citations

29
h-index

44
g-index

116
ext. papers

2,579
ext. citations

4.2
avg, IF

4.78
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 108 | Bioinformatic Analysis of the Nicotinamide Binding Site in Poly(ADP-Ribose) Polymerase Family Proteins. <i>Cancers</i> , 2021 , 13, | 6.6 | 7 |
| 107 | Prospects of Using Biocatalysis for the Synthesis and Modification of Polymers. <i>Molecules</i> , 2021 , 26, | 4.8 | 8 |
| 106 | Mustguseal and Sister Web-Methods: A Practical Guide to Bioinformatic Analysis of Protein Superfamilies. <i>Methods in Molecular Biology</i> , 2021 , 2231, 179-200 | 1.4 | 4 |
| 105 | Catalytic and lectin domains in neuraminidase A from <i>Streptococcus pneumoniae</i> are capable of an intermolecular assembly: Implications for biofilm formation. <i>FEBS Journal</i> , 2021 , 288, 3217-3230 | 5.7 | 3 |
| 104 | Bioinformatic analysis of subfamily-specific regions in 3D-structures of homologs to study functional diversity and conformational plasticity in protein superfamilies. <i>Computational and Structural Biotechnology Journal</i> , 2021 , 19, 1302-1311 | 6.8 | 6 |
| 103 | Bifunctional Inhibitors of Influenza Virus Neuraminidase: Molecular Design of a Sulfonamide Linker. <i>International Journal of Molecular Sciences</i> , 2021 , 22, | 6.3 | 1 |
| 102 | Molecular Mechanisms of PARP-1 Inhibitor 7-Methylguanine. <i>International Journal of Molecular Sciences</i> , 2020 , 21, | 6.3 | 12 |
| 101 | EasyAmber: A comprehensive toolbox to automate the molecular dynamics simulation of proteins. <i>Journal of Bioinformatics and Computational Biology</i> , 2020 , 18, 2040011 | 1 | 6 |
| 100 | Zebra2: advanced and easy-to-use web-server for bioinformatic analysis of subfamily-specific and conserved positions in diverse protein superfamilies. <i>Nucleic Acids Research</i> , 2020 , 48, W65-W71 | 20.1 | 12 |
| 99 | Yosshi: a web-server for disulfide engineering by bioinformatic analysis of diverse protein families. <i>Nucleic Acids Research</i> , 2019 , 47, W308-W314 | 20.1 | 13 |
| 98 | Human p38 β mitogen-activated protein kinase in the Asp168-Phe169-Gly170-in (DFG-in) state can bind allosteric inhibitor Doramapimod. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019 , 37, 2049-2060 | 2.6 | 10 |
| 97 | Inhibitory Effect of New Semisynthetic Usnic Acid Derivatives on Human Tyrosyl-DNA Phosphodiesterase 1. <i>Planta Medica</i> , 2019 , 85, 103-111 | 3.1 | 9 |
| 96 | High-Performance Hybrid Computing for Bioinformatic Analysis of Protein Superfamilies. <i>Communications in Computer and Information Science</i> , 2019 , 249-264 | 0.3 | |
| 95 | The nature of the ligand's side chain interacting with the S1'-subsite of metalloprotease T (from <i>Thermoactinomyces vulgaris</i>) determines the geometry of the tetrahedral transition complex. <i>PLoS ONE</i> , 2019 , 14, e0226636 | 3.7 | 4 |
| 94 | 2,5-Diketopiperazines: A New Class of Poly(ADP-ribose)polymerase Inhibitors. <i>Biochemistry (Moscow)</i> , 2018 , 83, 152-158 | 2.9 | 8 |
| 93 | The visualCMAT: A web-server to select and interpret correlated mutations/co-evolving residues in protein families. <i>Journal of Bioinformatics and Computational Biology</i> , 2018 , 16, 1840005 | 1 | 12 |
| 92 | Mustguseal: a server for multiple structure-guided sequence alignment of protein families. <i>Bioinformatics</i> , 2018 , 34, 1583-1585 | 7.2 | 23 |

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| 91 | Neuraminidase A from <i>Streptococcus pneumoniae</i> has a modular organization of catalytic and lectin domains separated by a flexible linker. <i>FEBS Journal</i> , 2018 , 285, 2428-2445 | 5.7 | 14 |
| 90 | Structure of the carboxypeptidase B complex with N-sulfamoyl-L-phenylalanine - a transition state analog of non-specific substrate. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018 , 36, 956-965 | 3.6 | 7 |
| 89 | Bioinformatic analysis of the fold type I PLP-dependent enzymes reveals determinants of reaction specificity in l-threonine aldolase from. <i>FEBS Open Bio</i> , 2018 , 8, 1013-1028 | 2.7 | 18 |
| 88 | Crystal structures of carboxypeptidase T complexes with transition-state analogs. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018 , 36, 3958-3966 | 3.6 | 3 |
| 87 | Molecular Modeling of the Binding of the Allosteric Inhibitor Optactin at a New Binding Site in Neuraminidase A from <i>Streptococcus pneumoniae</i> . <i>Moscow University Chemistry Bulletin</i> , 2018 , 73, 205-217 | 0.5 | 2 |
| 86 | Study of the Conformational Variety of the Oligosaccharide Substrates of Neuraminidases from Pathogens using Molecular Modeling. <i>Moscow University Chemistry Bulletin</i> , 2018 , 73, 39-45 | 0.5 | 2 |
| 85 | Building a Full-Atom Model of L,Dtranspeptidase 2 from <i>Mycobacterium tuberculosis</i> for Screening New Inhibitors. <i>Acta Naturae</i> , 2017 , 9, 44-51 | 2.1 | 4 |
| 84 | Tyrosyl-DNA Phosphodiesterase 1 Inhibitors: Usnic Acid Enamines Enhance the Cytotoxic Effect of Camptothecin. <i>Journal of Natural Products</i> , 2016 , 79, 2961-2967 | 4.9 | 48 |
| 83 | Inhibition of Poly(ADP-Ribose) Polymerase by Nucleic Acid Metabolite 7-Methylguanine. <i>Acta Naturae</i> , 2016 , 8, 108-115 | 2.1 | 7 |
| 82 | Parallel workflow manager for non-parallel bioinformatic applications to solve large-scale biological problems on a supercomputer. <i>Journal of Bioinformatics and Computational Biology</i> , 2016 , 14, 1641008 | 1 | 10 |
| 81 | Structural insights into the broad substrate specificity of carboxypeptidase T from <i>Thermoactinomyces vulgaris</i> . <i>FEBS Journal</i> , 2015 , 282, 1214-24 | 5.7 | 12 |
| 80 | Robust enzyme design: bioinformatic tools for improved protein stability. <i>Biotechnology Journal</i> , 2015 , 10, 344-55 | 5.6 | 49 |
| 79 | The D484N mutant of penicillin acylase from <i>Escherichia coli</i> is more resistant to inactivation by substrates and can effectively perform peptide synthesis in aqueous medium. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2015 , 112, 66-68 | | 1 |
| 78 | Catalytic Cycle of Penicillin Acylase from <i>Escherichia coli</i> : QM/MM Modeling of Chemical Transformations in the Enzyme Active Site upon Penicillin G Hydrolysis. <i>ACS Catalysis</i> , 2014 , 4, 2521-2529 | 13.1 | 19 |
| 77 | pocketZebra: a web-server for automated selection and classification of subfamily-specific binding sites by bioinformatic analysis of diverse protein families. <i>Nucleic Acids Research</i> , 2014 , 42, W344-9 | 20.1 | 22 |
| 76 | Computational design of a pH stable enzyme: understanding molecular mechanism of penicillin acylase's adaptation to alkaline conditions. <i>PLoS ONE</i> , 2014 , 9, e100643 | 3.7 | 42 |
| 75 | Probing the Substrate Specificity and Intersubunit Interactions of <i>Brevundimonas Diminuta</i> Glutaryl Acylase with Site-Directed Mutagenesis. <i>American Journal of Biochemistry and Biotechnology</i> , 2014 , 10, 169-179 | 0.4 | |
| 74 | Bioinformatic analysis of protein families for identification of variable amino acid residues responsible for functional diversity. <i>Journal of Biomolecular Structure and Dynamics</i> , 2014 , 32, 75-87 | 3.6 | 26 |

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| 73 | Zebra: a web server for bioinformatic analysis of diverse protein families. <i>Journal of Biomolecular Structure and Dynamics</i> , 2014 , 32, 1752-8 | 3.6 | 29 |
| 72 | Molecular modeling of different substrate-binding modes and their role in penicillin acylase catalysis. <i>FEBS Journal</i> , 2013 , 280, 115-26 | 5.7 | 11 |
| 71 | Thermodynamics of phenylacetamides synthesis: Linear free energy relationship with the pK of amine. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2012 , 74, 48-53 | | 3 |
| 70 | Synthesis of Schiff bases from 3-amino-3-arylpropionic acid esters in aqueous medium. <i>Russian Journal of Organic Chemistry</i> , 2012 , 48, 860-863 | 0.7 | |
| 69 | Molecular modeling of formate dehydrogenase: the formation of the Michaelis complex. <i>Journal of Biomolecular Structure and Dynamics</i> , 2012 , 30, 170-9 | 3.6 | 12 |
| 68 | BESSICC, a COSMO-RS based tool for in silico solvent screening of biocatalyzed reactions. <i>Biotechnology and Bioengineering</i> , 2012 , 109, 1864-8 | 4.9 | 4 |
| 67 | Bioinformatic analysis of β /Hydrolase fold enzymes reveals subfamily-specific positions responsible for discrimination of amidase and lipase activities. <i>Protein Engineering, Design and Selection</i> , 2012 , 25, 689-97 | 1.9 | 41 |
| 66 | Investigation of formate transport through the substrate channel of formate dehydrogenase by steered molecular dynamics simulations. <i>Biochemistry (Moscow)</i> , 2011 , 76, 172-4 | 2.9 | 3 |
| 65 | Biologically active cyclic polypeptides with fragments of β amino acid derivatives isolated from marine organisms (review). <i>Chemistry of Heterocyclic Compounds</i> , 2011 , 47, 395-417 | 1.4 | 5 |
| 64 | Comparative Bioinformatic Analysis of Active Site Structures in Evolutionarily Remote Homologues of β , β -Hydrolase Superfamily Enzymes. <i>Acta Naturae</i> , 2011 , 3, 93-98 | 2.1 | 4 |
| 63 | Novel inhibitors of glyceraldehyde-3-phosphate dehydrogenase: covalent modification of NAD-binding site by aromatic thiols. <i>Biochemistry (Moscow)</i> , 2010 , 75, 1444-9 | 2.9 | 11 |
| 62 | Guidelines for reporting of biocatalytic reactions. <i>Trends in Biotechnology</i> , 2010 , 28, 171-80 | 15.1 | 126 |
| 61 | Penicillin Acylase-Catalyzed Effective and Stereoselective Acylation of 1-phenylethylamine in Aqueous Medium using Non-Activated Acyl Donor. <i>Acta Naturae</i> , 2010 , 2, 94-96 | 2.1 | 4 |
| 60 | Bioinformatic Analysis, Molecular Modeling of Role of Lys65 Residue in Catalytic Triad of D-aminopeptidase from <i>Ochrobactrum anthropi</i> . <i>Acta Naturae</i> , 2010 , 2, 66-70 | 2.1 | 3 |
| 59 | Modeling of the Full-Size 3D Structure of Human Chaperone Hsp70 and Study of Its Interdomain Interactions. <i>Acta Naturae</i> , 2010 , 2, 66-71 | 2.1 | 5 |
| 58 | Quantitative characteristic of the catalytic properties and microstructure of cross-linked enzyme aggregates of penicillin acylase. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009 , 56, 202-207 | | 39 |
| 57 | Mutation of Residue E71 of <i>Escherichia coli</i> Penicillin Acylase Results in Enhanced Enantioselectivity and Improved Catalytic Properties. <i>Acta Naturae</i> , 2009 , 1, 94-98 | 2.1 | 2 |
| 56 | Molecular modeling studies of substrate binding by penicillin acylase. <i>Biochemistry (Moscow)</i> , 2008 , 73, 56-64 | 2.9 | 6 |

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| 55 | A green, fully enzymatic procedure for amine resolution, using a lipase and a penicillin G acylase. <i>Green Chemistry</i> , 2008 , 10, 415 | 10 | 24 |
| 54 | Saturation mutagenesis reveals the importance of residues alphaR145 and alphaF146 of penicillin acylase in the synthesis of beta-lactam antibiotics. <i>Journal of Biotechnology</i> , 2008 , 133, 18-26 | 3.7 | 25 |
| 53 | Thermodynamic and kinetic stability of penicillin acylase from <i>Escherichia coli</i> . <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2008 , 1784, 736-46 | 4 | 12 |
| 52 | Cloning of penicillin acylase from <i>Escherichia coli</i> : Catalytic properties of recombinant enzymes. <i>Moscow University Chemistry Bulletin</i> , 2008 , 63, 103-107 | 0.5 | 2 |
| 51 | Chiral high-performance liquid chromatography analysis of alpha-amino acid mixtures using a novel SH reagent--N-R-mandelyl-L-cysteine and traditional enantiomeric thiols for precolumn derivatization. <i>Journal of Chromatography A</i> , 2007 , 1175, 89-95 | 4.5 | 16 |
| 50 | Quantum chemical studies of the catalytic mechanism of N-terminal nucleophile hydrolase. <i>Biochemistry (Moscow)</i> , 2007 , 72, 495-500 | 2.9 | 8 |
| 49 | A new method for spectrophotometric assay of activity of cross-linked penicillin acylase aggregates. <i>Biochemistry (Moscow)</i> , 2006 , 71, 315-9 | 2.9 | 3 |
| 48 | Efficient enantiomeric analysis of primary amines and amino alcohols by high-performance liquid chromatography with precolumn derivatization using novel chiral SH-reagent N-(R)-mandelyl-(S)-cysteine. <i>Journal of Chromatography A</i> , 2005 , 1095, 89-93 | 4.5 | 18 |
| 47 | Aliphatic amidase from <i>Rhodococcus rhodochrous</i> M8 is related to the nitrilase/cyanide hydratase family. <i>Biochemistry (Moscow)</i> , 2005 , 70, 1280-7 | 2.9 | 13 |
| 46 | Use of high acyl donor concentrations leads to penicillin acylase inactivation in the course of peptide synthesis. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2004 , 31, 63-65 | | 3 |
| 45 | An Easy-on, easy-off protecting group for the enzymatic resolution of (R)-1-phenylethylamine in an aqueous medium. <i>Tetrahedron: Asymmetry</i> , 2004 , 15, 2901-2906 | | 19 |
| 44 | pH Stability of penicillin acylase from <i>Escherichia coli</i> . <i>Biochemistry (Moscow)</i> , 2004 , 69, 1386-90 | 2.9 | 12 |
| 43 | Penicillin acylase-catalyzed synthesis of beta-lactam antibiotics in highly condensed aqueous systems: beneficial impact of kinetic substrate supersaturation. <i>Biotechnology and Bioengineering</i> , 2004 , 85, 323-9 | 4.9 | 48 |
| 42 | Application of aminoacylase I to the enantioselective resolution of alpha-amino acid esters and amides. <i>Tetrahedron: Asymmetry</i> , 2004 , 15, 1933-1936 | | 21 |
| 41 | Study of nucleophile binding in the penicillin acylase active center. Kinetic analysis. <i>Biochemistry (Moscow)</i> , 2003 , 68, 334-8 | 2.9 | 8 |
| 40 | Penicillin acylase-catalyzed peptide synthesis in aqueous medium: a chemo-enzymatic route to stereoisomerically pure diketopiperazines. <i>Tetrahedron: Asymmetry</i> , 2003 , 14, 3123-3128 | | 21 |
| 39 | Force field parametrization for 6-aminopenicillanic acid. <i>Computational and Theoretical Chemistry</i> , 2003 , 631, 117-125 | | 8 |
| 38 | Resolution of (RS)-phenylglycinonitrile by penicillin acylase-catalyzed acylation in aqueous medium. <i>Tetrahedron: Asymmetry</i> , 2003 , 14, 2613-2617 | | 21 |

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| 37 | Penicillin Acylase-Catalyzed Solid-State Ampicillin Synthesis. <i>Advanced Synthesis and Catalysis</i> , 2002 , 344, 894-898 | 5.6 | 15 |
| 36 | Penicillin acylase-catalyzed ampicillin synthesis using a pH gradient: a new approach to optimization. <i>Biotechnology and Bioengineering</i> , 2002 , 78, 589-93 | 4.9 | 36 |
| 35 | Active site titration as a tool for the evaluation of immobilization procedures of penicillin acylase. <i>Biotechnology and Bioengineering</i> , 2002 , 79, 224-8 | 4.9 | 39 |
| 34 | Quantitative characterization of the nucleophile reactivity in penicillin acylase-catalyzed acyl transfer reactions. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2002 , 1599, 134-40 | 4 | 53 |
| 33 | Enzymatic hydrolysis of β -lactam antibiotics at low pH in a two-phase "aqueous solution - water-immiscible organic solvent" system. <i>Canadian Journal of Chemistry</i> , 2002 , 80, 699-707 | 0.9 | 13 |
| 32 | Highly efficient and enantioselective enzymatic acylation of amines in aqueous medium. <i>Tetrahedron: Asymmetry</i> , 2001 , 12, 1645-1650 | | 43 |
| 31 | Highly efficient synthesis of ampicillin in an "aqueous solution-precipitate" system: repetitive addition of substrates in a semicontinuous process. <i>Biotechnology and Bioengineering</i> , 2001 , 73, 426-30 | 4.9 | 51 |
| 30 | Penicillin acylase-catalyzed peptide synthesis: a chemo-enzymatic route to stereoisomers of 3,6-diphenylpiperazine-2,5-dione. <i>Tetrahedron: Asymmetry</i> , 2000 , 11, 1077-1083 | | 31 |
| 29 | Penicillin acylase-catalyzed resolution of amines in aqueous organic solvents. <i>Tetrahedron: Asymmetry</i> , 2000 , 11, 4593-4600 | | 53 |
| 28 | Penicillin acylase-catalyzed synthesis of ampicillin in aqueous solution-precipitate systems. High substrate concentration and supersaturation effect. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2000 , 10, 509-515 | | 48 |
| 27 | Kinetics of ampicillin synthesis catalyzed by penicillin acylase from <i>E. coli</i> in homogeneous and heterogeneous systems. Quantitative characterization of nucleophile reactivity and mathematical modeling of the process. <i>Biochemistry (Moscow)</i> , 2000 , 65, 1367-75 | 2.9 | 22 |
| 26 | Totally enzymatic synthesis of peptides. Penicillin acylase-catalyzed protection and deprotection of amino groups as important building blocks of this strategy. <i>Annals of the New York Academy of Sciences</i> , 1998 , 864, 524-7 | 6.5 | 5 |
| 25 | Biomimetic Transamination of β -Alkyl β -Keto Carboxylic Esters. Chemoenzymatic Approach to the Stereochemically Defined β -Alkyl β -Fluoroalkyl β -Amino Acids. <i>Journal of Organic Chemistry</i> , 1998 , 63, 1878-1884 | 4.2 | 75 |
| 24 | Kinetic study of penicillin acylase from <i>Alcaligenes faecalis</i> . <i>FEBS Letters</i> , 1997 , 417, 414-8 | 3.8 | 51 |
| 23 | Comparative modeling of substrate binding in the S1' subsite of serine carboxypeptidases from yeast, wheat, and human. <i>Biochemistry</i> , 1996 , 35, 14899-909 | 3.2 | 12 |
| 22 | Biocatalytic approach to enantiomerically pure β -amino acids. <i>Tetrahedron: Asymmetry</i> , 1995 , 6, 1601-1610 | | 88 |
| 21 | Continuous spectrophotometric assay of human lysosomal cathepsin A/protective protein in normal and galactosialidosis cells. <i>Analytical Biochemistry</i> , 1995 , 230, 303-7 | 3.1 | 18 |
| 20 | Biocatalytic resolution of β -fluoroalkyl- β -amino acids. <i>Tetrahedron: Asymmetry</i> , 1994 , 5, 1119-1126 | | 69 |

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| 19 | Chemo-enzymatic approach to the synthesis of each of the four isomers of β -alkyl- β -fluoroalkyl-substituted β -amino acids. <i>Tetrahedron: Asymmetry</i> , 1994 , 5, 1225-1228 | | 74 |
| 18 | Enzymatic preparation of both L- and D-enantiomers of phosphonic and phosphonous analogues of alanine using penicillin acylase. <i>Tetrahedron: Asymmetry</i> , 1993 , 4, 1965-1968 | | 33 |
| 17 | Influence of the immunization against heterologous alcohol dehydrogenase on liver alcohol dehydrogenase isozymes and alcohol abuse of rats. <i>FEBS Journal</i> , 1993 , 212, 757-61 | | 9 |
| 16 | Hydrophobicity of beta-lactam antibiotics. Explanation and prediction of their behaviour in various partitioning solvent systems and reversed-phase chromatography. <i>Journal of Chromatography A</i> , 1991 , 585, 3-34 | 4.5 | 11 |
| 15 | Preparation of optically active 1-aminoalkylphosphonic acids by stereoselective enzymatic hydrolysis of racemic N-acylated 1-aminoalkylphosphonic acids. <i>Tetrahedron</i> , 1991 , 47, 3989-3998 | 2.4 | 46 |
| 14 | Penicillin acylase-catalyzed protection and deprotection of amino groups as a promising approach in enzymatic peptide synthesis. <i>FEBS Letters</i> , 1991 , 287, 31-3 | 3.8 | 38 |
| 13 | Increased nucleophile reactivity of amino acid beta-naphthylamides in alpha-chymotrypsin-catalyzed peptide synthesis. <i>BBA - Proteins and Proteomics</i> , 1990 , 1041, 71-8 | | 10 |
| 12 | Acyl group transfer by proteases forming an acylenzyme intermediate: kinetic model analysis (including hydrolysis of acylenzyme- nucleophile complex). <i>Journal of Theoretical Biology</i> , 1989 , 140, 193-204 | 2.3 | 25 |
| 11 | The methyl ester of β -aminophenylacetic acid: pH-dependence and phosphate catalysis of hydrolysis. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1986 , 1537-1540 | | 4 |
| 10 | A kinetic study of hog kidney aminoacylase. <i>BBA - Proteins and Proteomics</i> , 1982 , 701, 389-94 | | 23 |
| 9 | Soluble-insoluble immobilized enzymes. <i>Biotechnology and Bioengineering</i> , 1982 , 24, 237-40 | 4.9 | 21 |
| 8 | Preparation and properties of penicillin amidase immobilized in polyelectrolyte complexes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1981 , 660, 359-65 | 3.8 | 35 |
| 7 | The interaction of amino acids with ophthalaldehyde: a kinetic study and spectrophotometric assay of the reaction product. <i>Analytical Biochemistry</i> , 1980 , 101, 188-95 | 3.1 | 130 |
| 6 | Enzymatic synthesis of β -lactam antibiotics: A thermodynamic background. <i>Enzyme and Microbial Technology</i> , 1980 , 2, 138-144 | 3.8 | 72 |
| 5 | Kinetics of the enzymatic synthesis of benzylpenicillin. <i>Enzyme and Microbial Technology</i> , 1980 , 2, 313-317.8 | | 29 |
| 4 | Substrate specificity of penicillin amidase from E. coli. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1980 , 616, 283-9 | 3.8 | 75 |
| 3 | The effect of ultrasound as a new method of studying conformational transitions in enzyme active sites. pH- and temperature-induced conformational transitions in the active centre of penicillin amidase. <i>FEBS Letters</i> , 1975 , 49, 325-8 | 3.8 | 10 |
| 2 | The mechanism of the alpha-chymotrypsin and trypsin-catalyzed hydrolysis of amides. Evidence for the participation of the active serine in the amidase activity of trypsin. <i>FEBS Journal</i> , 1973 , 38, 529-36 | | 10 |

- 1 Co-designing HPC-systems by computing capabilities and management flexibility to accommodate bioinformatic workflows at different complexity levels. *Journal of Supercomputing*,1 2.5 1