

# Robert S Phillips

## List of Publications by Year in descending order

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212  
papers

6,660  
citations

66315

42  
h-index

95218

68  
g-index

222  
all docs

222  
docs citations

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times ranked

5575  
citing authors

#	ARTICLE	IF	CITATIONS
1	Symbiotic Bacterial Metabolites Regulate Gastrointestinal Barrier Function via the Xenobiotic Sensor PXR and Toll-like Receptor 4. <i>Immunity</i> , 2014, 41, 296-310.	6.6	708
2	Indole can act as an extracellular signal to regulate biofilm formation of <i>Escherichia coli</i> and other indole-producing bacteria. <i>Canadian Journal of Microbiology</i> , 2003, 49, 443-449.	0.8	227
3	Temperature modulation of the stereochemistry of enzymatic catalysis: Prospects for exploitation. <i>Trends in Biotechnology</i> , 1996, 14, 13-16.	4.9	206
4	Three-dimensional structure of tyrosine phenol-lyase. <i>Biochemistry</i> , 1993, 32, 4195-4206.	1.2	143
5	A redox-active FKBP-type immunophilin functions in accumulation of the photosystem II supercomplex in <i>Arabidopsis thaliana</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 12631-12636.	3.3	123
6	The entropic force generated by intrinsically disordered segments tunes protein function. <i>Nature</i> , 2018, 563, 584-588.	13.7	113
7	Recent advances in alcohol dehydrogenase-catalyzed asymmetric production of hydrophobic alcohols. <i>Catalysis Science and Technology</i> , 2011, 1, 1311.	2.1	111
8	Asymmetric Reduction and Oxidation of Aromatic Ketones and Alcohols Using W110A Secondary Alcohol Dehydrogenase from <i>Thermoanaerobacter ethanolicus</i> . <i>Journal of Organic Chemistry</i> , 2007, 72, 30-34.	1.7	96
9	Temperature effects on stereochemistry of enzymatic reactions. <i>Enzyme and Microbial Technology</i> , 1992, 14, 417-419.	1.6	95
10	Controlling Substrate Specificity and Stereospecificity of Alcohol Dehydrogenases. <i>ACS Catalysis</i> , 2015, 5, 2100-2114.	5.5	91
11	Kinetics and Mechanism of Superoxide Reduction by Two-Iron Superoxide Reductase from <i>Desulfovibrio vulgaris</i> . <i>Biochemistry</i> , 2002, 41, 4348-4357.	1.2	90
12	Synthetic applications of tryptophan synthase. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 2787-2792.	1.8	86
13	Effects of substrate structure and temperature on the stereospecificity of secondary alcohol dehydrogenase from <i>Thermoanaerobacter ethanolicus</i> . <i>Journal of the American Chemical Society</i> , 1990, 112, 3629-3632.	6.6	84
14	Interactions of tryptophan synthase, tryptophanase, and pyridoxal phosphate with oxindolyl-L-alanine and 2,3-dihydro-L-tryptophan: support for an indolenine intermediate in tryptophan metabolism. <i>Biochemistry</i> , 1984, 23, 6228-6234.	1.2	80
15	Temperature-dependent enantiospecificity of secondary alcohol dehydrogenase from <i>Thermoanaerobacter ethanolicus</i> . <i>Journal of the American Chemical Society</i> , 1989, 111, 1935-1936.	6.6	80
16	S-Aryl-L-cysteine S,S-dioxides: design, synthesis, and evaluation of a new class of inhibitors of kynureninase. <i>Journal of the American Chemical Society</i> , 1993, 115, 1264-1270.	6.6	77
17	The Crystal Structure of <i>Citrobacter freundii</i> Tyrosine Phenol-lyase Complexed with 3-(4-Hydroxyphenyl)propionic Acid, Together with Site-Directed Mutagenesis and Kinetic Analysis, Demonstrates That Arginine 381 Is Required for Substrate Specificity. <i>Biochemistry</i> , 1997, 36, 6502-6510.	1.2	74
18	A Single Point Mutation Reverses the Enantiopreference of <i>Thermoanaerobacter ethanolicus</i> Secondary Alcohol Dehydrogenase. <i>ChemCatChem</i> , 2009, 1, 89-93.	1.8	72

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19	Mutation of Cysteine-295 to Alanine in Secondary Alcohol Dehydrogenase from <i>Thermoanaerobacter ethanolicus</i> Affects the Enantioselectivity and Substrate Specificity of Ketone Reductions. <i>Bioorganic and Medicinal Chemistry</i> , 2001, 9, 1659-1666.	1.4	65
20	Site-Directed Mutagenesis of Tyrosine-71 to Phenylalanine in <i>Citrobacter freundii</i> Tyrosine Phenol-Lyase: Evidence for Dual Roles of Tyrosine-71 as a General Acid Catalyst in the Reaction Mechanism and in Cofactor Binding. <i>Biochemistry</i> , 1995, 34, 12276-12283.	1.2	63
21	Asymmetric reduction of ethynyl ketones and ethynylketoesters by secondary alcohol dehydrogenase from <i>Thermoanaerobacter ethanolicus</i> . <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2000, , 2821-2825.	1.3	63
22	Xerogel-Encapsulated W110A Secondary Alcohol Dehydrogenase from <i>Thermoanaerobacter ethanolicus</i> Performs Asymmetric Reduction of Hydrophobic Ketones in Organic Solvents. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 3091-3094.	7.2	62
23	Spectroscopic investigation of ligand interaction with hepatic phenylalanine hydroxylase: evidence for a conformational change associated with activation. <i>Biochemistry</i> , 1984, 23, 3836-3842.	1.2	61
24	A resonance Raman study of substrate and inhibitor binding to protocatechuate-3,4-dioxygenase. <i>Biochemical and Biophysical Research Communications</i> , 1978, 85, 844-850.	1.0	59
25	Chemistry and diversity of pyridoxal-5-phosphate dependent enzymes. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2015, 1854, 1167-1174.	1.1	59
26	Mechanistic deductions from multiple kinetic and solvent deuterium isotope effects and pH studies of pyridoxal phosphate dependent carbon-carbon lyases: <i>Escherichia coli</i> tryptophan indole-lyase. <i>Biochemistry</i> , 1988, 27, 7339-7344.	1.2	57
27	A <i>Thermoanaerobacter ethanolicus</i> secondary alcohol dehydrogenase mutant derivative highly active and stereoselective on phenylacetone and benzylacetone. <i>Protein Engineering, Design and Selection</i> , 2007, 20, 47-55.	1.0	56
28	Mechanistic deductions from kinetic isotope effects and pH studies of pyridoxal phosphate dependent carbon-carbon lyases: <i>Erwinia herbicola</i> and <i>Citrobacter freundii</i> tyrosine phenol-lyase. <i>Biochemistry</i> , 1988, 27, 7333-7338.	1.2	54
29	Reactions of O-acyl-l-serines with tryptophanase, tyrosine phenol-lyase, and tryptophan synthase. <i>Archives of Biochemistry and Biophysics</i> , 1987, 256, 302-310.	1.4	53
30	Isolation of an <i>Escherichia coli</i> strain mutant unable to form biofilm on polystyrene and to adhere to human pneumocyte cells: involvement of tryptophanase. <i>Canadian Journal of Microbiology</i> , 2002, 48, 132-137.	0.8	53
31	Investigation of the role of 3-hydroxyanthranilic acid in the degradation of lignin by white-rot fungus <i>Pycnoporus cinnabarinus</i> . <i>Enzyme and Microbial Technology</i> , 2001, 28, 301-307.	1.6	51
32	Kinetics of the Superoxide Reductase Catalytic Cycle. <i>Journal of Biological Chemistry</i> , 2003, 278, 39662-39668.	1.6	51
33	Reaction of indole and analogs with amino acid complexes of <i>Escherichia coli</i> tryptophan indole-lyase: detection of a new reaction intermediate by rapid-scanning stopped-flow spectrophotometry. <i>Biochemistry</i> , 1991, 30, 5927-5934.	1.2	50
34	Activity and selectivity of W110A secondary alcohol dehydrogenase from <i>Thermoanaerobacter ethanolicus</i> in organic solvents and ionic liquids: mono- and biphasic media. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 887.	1.5	50
35	Stereochemistry and mechanism of aldol reactions catalyzed by kynureninase. <i>Journal of the American Chemical Society</i> , 1991, 113, 7385-7388.	6.6	49
36	Proton Transfer and Carbon-Carbon Bond Cleavage in the Elimination of Indole Catalyzed by <i>Escherichia coli</i> Tryptophan Indole-Lyase. <i>Journal of the American Chemical Society</i> , 2000, 122, 1008-1014.	6.6	49

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37	Mechanism of tryptophan indole-lyase: insights from pre-steady-state kinetics and substrate and solvent isotope effects. <i>Journal of the American Chemical Society</i> , 1989, 111, 727-730.	6.6	48
38	Mutation of Serine-39 to Threonine in Thermostable Secondary Alcohol Dehydrogenase from <i>Thermoanaerobacter ethanolicus</i> Changes Enantiospecificity. <i>Journal of the American Chemical Society</i> , 1998, 120, 5137-5141.	6.6	47
39	Site-Directed Mutagenesis of His343Ala in <i>Citrobacter freundii</i> Tyrosine Phenol-Lyase. Effects on the Kinetic Mechanism and Rate-Determining Step. <i>FEBS Journal</i> , 1995, 229, 540-549.	0.2	45
40	The Role of the Catalytic Base in the Protein Tyrosine Kinase Csk. <i>Journal of Biological Chemistry</i> , 1995, 270, 22105-22108.	1.6	44
41	Synthesis of l-tyrosine from phenol and catalysed by tyrosine phenol-lyase. <i>Enzyme and Microbial Technology</i> , 1989, 11, 80-83.	1.6	43
42	Kynurenine 3-Monooxygenase from <i>Pseudomonas fluorescens</i> : Substrate-like Inhibitors both Stimulate Flavin Reduction and Stabilize the Flavin <sup>•</sup> Peroxo Intermediate yet Result in the Production of Hydrogen Peroxide. <i>Biochemistry</i> , 2008, 47, 12420-12433.	1.2	43
43	Crystallographic Snapshots of Tyrosine Phenol-lyase Show That Substrate Strain Plays a Role in C-C Bond Cleavage. <i>Journal of the American Chemical Society</i> , 2011, 133, 16468-16476.	6.6	43
44	Dopamine-β-hydroxylase: Suicide inhibition by the novel olefinic substrate, 1-phenyl-1-aminomethylethene. <i>Biochemical and Biophysical Research Communications</i> , 1983, 110, 161-168.	1.0	41
45	Detection and identification of transient intermediates in the reactions of tryptophan synthase with oxindolyl-L-alanine and 2,3-dihydro-L-tryptophan. Evidence for a tetrahedral (gem-diamine) intermediate. <i>Biochemistry</i> , 1988, 27, 8661-8669.	1.2	41
46	Crystal Structure of <i>Homo sapiens</i> Kynureninase. <i>Biochemistry</i> , 2007, 46, 2735-2744.	1.2	41
47	Structure and mechanism of kynureninase. <i>Archives of Biochemistry and Biophysics</i> , 2014, 544, 69-74.	1.4	41
48	Binding of phenol and analogs to alanine complexes of tyrosine phenol-lyase from <i>Citrobacter freundii</i> : Implications for the mechanisms of α-,β-elimination and alanine racemization. <i>Biochemistry</i> , 1993, 32, 11591-11599.	1.2	39
49	Effects of pH on enantiospecificity of alcohol dehydrogenases from <i>Thermoanaerobacter ethanolicus</i> and horse liver. <i>Enzyme and Microbial Technology</i> , 1996, 19, 487-492.	1.6	39
50	Structure and mechanism of tryptophan indole-lyase and tyrosine phenol-lyase. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2003, 1647, 167-172.	1.1	39
51	Isomerization of (3S)-2,3-dihydro-5-fluoro-L-tryptophan and of 5-fluoro-L-tryptophan catalyzed by tryptophan synthase: studies using fluorine-19 nuclear magnetic resonance and difference spectroscopy. <i>Biochemistry</i> , 1986, 25, 4240-4249.	1.2	38
52	Histidine Ligand Protonation and Redox Potential in the Rieske Dioxygenases: Role of a Conserved Aspartate in Anthranilate 1,2-Dioxygenase. <i>Biochemistry</i> , 2003, 42, 13625-13636.	1.2	38
53	Crystal Structure of the <i>Homo sapiens</i> Kynureninase-3-Hydroxyhippuric Acid Inhibitor Complex: Insights into the Molecular Basis Of Kynureninase Substrate Specificity. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 389-396.	2.9	38
54	Oxygenation of fluorinated tyrosines by mushroom tyrosinase releases fluoride ion. <i>Archives of Biochemistry and Biophysics</i> , 1990, 276, 65-69.	1.4	37

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55	The Stereospecificity of Secondary Alcohol Dehydrogenase from <i>Thermoanaerobacter ethanolicus</i> Is Partially Determined by Active Site Water. <i>Journal of the American Chemical Society</i> , 2001, 123, 345-346.	6.6	37
56	Mutation of <i>Thermoanaerobacter ethanolicus</i> secondary alcohol dehydrogenase at Trp-110 affects stereoselectivity of aromatic ketone reduction. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 5905-5910.	1.5	37
57	Lipase-catalyzed stereoselective esterification of dl-menthol in organic solvents using acid anhydrides as acylating agents. <i>Enzyme and Microbial Technology</i> , 1996, 18, 536-539.	1.6	35
58	Biophysical and mutagenic analysis of <i>Thermoanaerobacter ethanolicus</i> secondary-alcohol dehydrogenase activity and specificity. <i>Biochemical Journal</i> , 1997, 326, 717-724.	1.7	33
59	A Leucine Residue $\alpha$ -Gates Solvent but Not O <sub>2</sub> Access to the Binding Pocket of Phascolopsis gouldii Hemerythrin. <i>Journal of Biological Chemistry</i> , 2000, 275, 17043-17050.	1.6	33
60	High-Efficiency Incorporation in Vivo of Tyrosine Analogues with Altered Hydroxyl Acidity in Place of the Catalytic Tyrosine-14 of $\beta$ -5-3-Ketosteroid Isomerase of <i>Comamonas (Pseudomonas) testosteroni</i> : $\Delta$ Effects of the Modifications on Isomerase Kinetics. <i>Biochemistry</i> , 1998, 37, 9738-9742.	1.2	32
61	Tyrosine phenol-lyase and tryptophan indole-lyase encapsulated in wet nanoporous silica gels: Selective stabilization of tertiary conformations. <i>Protein Science</i> , 2004, 13, 913-924.	3.1	32
62	Mass Defect Labeling of Cysteine for Improving Peptide Assignment in Shotgun Proteomic Analyses. <i>Analytical Chemistry</i> , 2006, 78, 3417-3423.	3.2	32
63	Modulation of Enzyme Activity in the Kynurenine Pathway by Kynurenine Monooxygenase Inhibition. <i>Frontiers in Molecular Biosciences</i> , 2019, 6, 3.	1.6	32
64	Mechanism of binding of substrate analogs to tryptophan indole-lyase: studies using rapid-scanning and single-wavelength stopped-flow spectrophotometry. <i>Biochemistry</i> , 1990, 29, 8608-8614.	1.2	31
65	Cellobiose oxidase from <i>Phanerochaete chrysosporium</i> Stopped-flow spectrophotometric analysis of pH-dependent reduction. <i>FEBS Letters</i> , 1992, 306, 165-168.	1.3	31
66	Asymmetric reduction of aliphatic and cyclic ketones with secondary alcohol dehydrogenase from <i>Thermoanaerobacter ethanolicus</i> : effects of substrate. <i>Catalysis Today</i> , 1994, 22, 607-620.	2.2	31
67	Racemization of enantiopure secondary alcohols by <i>Thermoanaerobacter ethanolicus</i> secondary alcohol dehydrogenase. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 2911.	1.5	31
68	Lipase PS-catalyzed transesterification of citronellyl butyrate and geranyl caproate: Effect of reaction parameters. <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 1997, 74, 255-260.	0.8	29
69	The Catalytic Mechanism of Kynureninase from <i>Pseudomonas fluorescens</i> : $\Delta$ Evidence for Transient Quinonoid and Ketimine Intermediates from Rapid-Scanning Stopped-Flow Spectrophotometry. <i>Biochemistry</i> , 1998, 37, 8783-8789.	1.2	29
70	The Photophysical Properties of 6-Azaindole. <i>Journal of Physical Chemistry B</i> , 2003, 107, 637-645.	1.2	29
71	Enzymatic sulphur oxygenation reactions. <i>Enzyme and Microbial Technology</i> , 1981, 3, 9-18.	1.6	28
72	Ligand effects on the limited proteolysis of phenylalanine hydroxylase: Evidence for multiple conformational states. <i>Biochemical and Biophysical Research Communications</i> , 1983, 110, 919-925.	1.0	28

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73	Intramolecular general acid and general base catalyses in the hydrolysis of 2-halotryptophans and their analogs. <i>Journal of the American Chemical Society</i> , 1986, 108, 2023-2030.	6.6	28
74	The O <sub>2</sub> Binding Pocket of Myohemerythrin: A Role of a Conserved Leucine. <i>Biochemistry</i> , 2000, 39, 8526-8536.	1.2	28
75	The Second Enzyme in Pyrrolnitrin Biosynthetic Pathway Is Related to the Heme-Dependent Dioxygenase Superfamily. <i>Biochemistry</i> , 2007, 46, 12393-12404.	1.2	28
76	Interaction of protocatechuate-3,4-dioxygenase with fluoro-substituted hydroxybenzoic acids and related compounds. <i>Biochemistry</i> , 1978, 17, 1853-1860.	1.2	27
77	Enzymatic syntheses of 6-(4H-Selenolo[3,2-b]pyrrolyl)-L-alanine, 4-(6H-selenolo[2,3-b]pyrrolyl)-L-alanine, and 6-(4H-furo[3,2-b]pyrrolyl)-L-alanine. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1999, 9, 637-640.	1.0	27
78	Three-Dimensional Structure of Kynureninase from <i>Pseudomonas fluorescens</i> . <i>Biochemistry</i> , 2004, 43, 1193-1203.	1.2	27
79	Protein expression in <i>Escherichia coli</i> S17-1 biofilms: impact of indole. <i>Antonie Van Leeuwenhoek</i> , 2006, 91, 71-85.	0.7	27
80	Enzymatic synthesis of chloro-L-tryptophans. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1992, 2, 1563-1564.	1.0	26
81	Crystals of Tryptophan Indole-Lyase and Tyrosine Phenol-Lyase Form Stable Quinonoid Complexes. <i>Journal of Biological Chemistry</i> , 2002, 277, 21592-21597.	1.6	26
82	Benzoate Decreases the Binding of cis, cis-Muconate to the BenM Regulator despite the Synergistic Effect of Both Compounds on Transcriptional Activation. <i>Journal of Bacteriology</i> , 2004, 186, 1200-1204.	1.0	26
83	<sup>19</sup> F-NMR Reveals Metal and Operator-induced Allostery in MerR. <i>Journal of Molecular Biology</i> , 2007, 371, 79-92.	2.0	26
84	Structure, mechanism, and substrate specificity of kynureninase. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011, 1814, 1481-1488.	1.1	26
85	Salmonella Utilizes D-Glucosaminic Acid via a Mannose Family Phosphotransferase System Permease and Associated Enzymes. <i>Journal of Bacteriology</i> , 2013, 195, 4057-4066.	1.0	26
86	Cyclonerodiol from a novel source, <i>Trichoderma koningii</i> : Plant growth regulatory activity. <i>Agricultural and Biological Chemistry</i> , 1991, 55, 243-244.	0.3	25
87	Terpene ester synthesis by lipase-catalyzed transesterification. <i>Biotechnology Letters</i> , 1995, 17, 67-70.	1.1	25
88	The Catalytic Mechanism of Kynureninase from <i>Pseudomonas fluorescens</i> : Insights from the Effects of pH and Isotopic Substitution on Steady-State and Pre-Steady-State Kinetics. <i>Biochemistry</i> , 1998, 37, 1376-1382.	1.2	25
89	Threonine-124 and phenylalanine-448 in <i>Citrobacter freundii</i> tyrosine phenol-lyase are necessary for activity with L-tyrosine. <i>Biochemical Journal</i> , 2002, 363, 745-752.	1.7	25
90	Formation in Vitro of Hybrid Dimers of H463F and Y74F Mutant <i>Escherichia coli</i> Tryptophan Indole-lyase Rescues Activity with L-Tryptophan. <i>Biochemistry</i> , 2002, 41, 4012-4019.	1.2	25

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91	Detection of Open and Closed Conformations of Tryptophan Synthase by <sup>15</sup> N-Heteronuclear Single-Quantum Coherence Nuclear Magnetic Resonance of Bound L-15N-L-Tryptophan. <i>Journal of Biological Chemistry</i> , 2003, 278, 44083-44090.	1.6	24
92	Hydrostatic Pressure Affects the Conformational Equilibrium of <i>Salmonella typhimurium</i> Tryptophan Synthase. <i>Biochemistry</i> , 2005, 44, 7921-7928.	1.2	24
93	Excited state tautomerization of azaindole. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 3701.	1.5	24
94	The Kynurenine Pathway and Kynurenine 3-Monooxygenase Inhibitors. <i>Molecules</i> , 2022, 27, 273.	1.7	24
95	Enzymatic synthesis of aza-L-tryptophans: The preparation of 5- and 6-Aza-L-tryptophan. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1992, 2, 1053-1056.	1.0	23
96	Effects of $\delta$ -Deuteration and of Aza and Thia Analogs of L-Tryptophan on Formation of Intermediates in the Reaction of <i>Escherichia coli</i> Tryptophan Indole-lyase. <i>Biochemistry</i> , 1996, 35, 16165-16173.	1.2	23
97	Cloning, Sequence, and Expression of Kynureninase from <i>Pseudomonas fluorescens</i> . <i>Archives of Biochemistry and Biophysics</i> , 1997, 344, 301-308.	1.4	23
98	<i>Thermoanaerobacter ethanolicus</i> secondary alcohol dehydrogenase mutants with improved racemization activity. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2015, 115, 155-159.	1.8	23
99	Bioactivation of Catha edulis alkaloids: Enzymatic ketonization of norpseudoephedrine. <i>Biochemical and Biophysical Research Communications</i> , 1982, 104, 38-44.	1.0	22
100	Influence of Steric Bulk and Electrostatics on the Hydroxylation Regiospecificity of Tryptophan Hydroxylase: Characterization of Methyltryptophans and Azatryptophans as Substrates. <i>Biochemistry</i> , 1999, 38, 16283-16289.	1.2	22
101	Threonine-124 and phenylalanine-448 in <i>Citrobacter freundii</i> tyrosine phenol-lyase are necessary for activity with L-tyrosine. <i>Biochemical Journal</i> , 2002, 363, 745.	1.7	22
102	A Mannose Family Phosphotransferase System Permease and Associated Enzymes Are Required for Utilization of Fructoselysine and Glucoselysine in <i>Salmonella enterica</i> Serovar Typhimurium. <i>Journal of Bacteriology</i> , 2015, 197, 2831-2839.	1.0	22
103	Editorial: Aromatic Amino Acid Metabolism. <i>Frontiers in Molecular Biosciences</i> , 2019, 6, 22.	1.6	22
104	Enzymatic synthesis of Thia-L-tryptophans. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1995, 5, 1133-1134.	1.0	21
105	<i>Pseudomonas</i> sp. lipase-catalyzed synthesis of geranyl esters by transesterification. <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 1995, 72, 1407-1408.	0.8	21
106	The Role of Glutamic Acid-69 in the Activation of <i>Citrobacter freundii</i> Tyrosine Phenol-Lyase by Monovalent Cations. <i>Biochemistry</i> , 2000, 39, 8546-8555.	1.2	20
107	Hysteresis and Negative Cooperativity in Human UDP-Glucose Dehydrogenase. <i>Biochemistry</i> , 2013, 52, 1456-1465.	1.2	20
108	Ground-State Destabilization by Phe-448 and Phe-449 Contributes to Tyrosine Phenol-Lyase Catalysis. <i>ACS Catalysis</i> , 2016, 6, 6770-6779.	5.5	20

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109	Role of Aspartate-133 and Histidine-458 in the Mechanism of Tryptophan Indole-Lyase from <i>Proteus vulgaris</i> . <i>Biochemistry</i> , 2003, 42, 11161-11169.	1.2	19
110	Pressure and Temperature Jump Relaxation Kinetics of the Conformational Change in <i>Salmonella typhimurium</i> Tryptophan Synthase I-Serine Complex: Large Activation Compressibility and Heat Capacity Changes Demonstrate the Contribution of Solvation. <i>Journal of the American Chemical Society</i> , 2008, 130, 13580-13588.	6.6	19
111	The Crystal Structure of the <i>Pseudomonas dacunhae</i> Aspartate- $\beta$ -Decarboxylase Dodecamer Reveals an Unknown Oligomeric Assembly for a Pyridoxal-5 $\alpha$ -Phosphate-Dependent Enzyme. <i>Journal of Molecular Biology</i> , 2009, 388, 98-108.	2.0	19
112	Structural and stereochemical studies of esterification of aromatic amino acids by $\beta$ -chymotrypsin in alcohol solvents. <i>Enzyme and Microbial Technology</i> , 1990, 12, 731-735.	1.6	18
113	Temperature and DMSO increase the enantioselectivity of hydrolysis of methyl alkyl dimethylmalonates catalyzed by pig liver esterase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1991, 1, 373-376.	1.0	18
114	Synthesis of 5-cyano-L-tryptophan. <i>Tetrahedron Letters</i> , 1992, 33, 29-32.	0.7	18
115	Asymmetric reduction of ketoesters with alcohol dehydrogenase from <i>thermoanaerobacter ethanolicus</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 1992, 2, 619-622.	1.0	18
116	Cold inactivation and dissociation into dimers of <i>Escherichia coli</i> tryptophanase and its W330F mutant form. <i>BBA - Proteins and Proteomics</i> , 1998, 1384, 365-372.	2.1	18
117	I86A/C295A mutant secondary alcohol dehydrogenase from <i>Thermoanaerobacter ethanolicus</i> has broadened substrate specificity for aryl ketones. <i>Archives of Biochemistry and Biophysics</i> , 2016, 606, 151-156.	1.4	18
118	Synthesis of 2-bromo-L-tryptophan and 2-chloro-L-tryptophan. <i>Tetrahedron Letters</i> , 1983, 24, 5555-5558.	0.7	17
119	Aminoacrylate Intermediates in the Reaction of <i>Citrobacter freundii</i> Tyrosine Phenol-Lyase. <i>Biochemistry</i> , 2006, 45, 9575-9583.	1.2	17
120	Effect of coenzyme analogues on enantioselectivity of alcohol dehydrogenase. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1992, , 1083.	0.9	16
121	Improved Syntheses of [3,2-b]- and [2,3-b]-fused Selenolo- and Thienopyrroles, and of Furo[3,2-b]pyrrole. <i>Heterocyclic Communications</i> , 1999, 5, .	0.6	16
122	How does active site water affect enzymatic stereorecognition?. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2002, 19-20, 103-107.	1.8	16
123	Differential effects of bromination on substrates and inhibitors of kynureninase from <i>Pseudomonas fluorescens</i> . <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 288-295.	1.5	16
124	Substituent Effects on the Reaction of $\beta$ -Benzoylalanines with <i>Pseudomonas fluorescens</i> Kynureninase. <i>Biochemistry</i> , 2010, 49, 7913-7919.	1.2	16
125	New cases that expand the genotypic and phenotypic spectrum of Congenital NAD Deficiency Disorder. <i>Human Mutation</i> , 2021, 42, 862-876.	1.1	16
126	The mechanism of <i>Escherichia coli</i> tryptophan indole-lyase: substituent effects on steady-state and pre-steady-state kinetic parameters for aryl-substituted tryptophan derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 1995, 3, 195-205.	1.4	15



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127	Photoinactivation and photoaffinity labeling of tryptophan synthase .alpha.2.beta.2 complex by the product analog 6-azido-L-tryptophan. <i>Biochemistry</i> , 1985, 24, 4694-4703.	1.2	14
128	Synthesis and resolution of 7-fluorotryptophans. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1991, 1, 477-480.	1.0	14
129	Quantitative effects of allosteric ligands and mutations on conformational equilibria in <i>Salmonella typhimurium</i> tryptophan synthase. <i>Archives of Biochemistry and Biophysics</i> , 2008, 470, 8-19.	1.4	14
130	Conformational changes and loose packing promote <i>E. coli</i> Tryptophanase cold lability. <i>BMC Structural Biology</i> , 2009, 9, 65.	2.3	14
131	A Rare Variant at the <i>KYNU</i> Gene Is Associated With Kynureninase Activity and Essential Hypertension in the Han Chinese Population. <i>Circulation: Cardiovascular Genetics</i> , 2011, 4, 687-694.	5.1	14
132	Protocatechuate 3,4-dioxygenase: implications of ionization effects on binding and dissociation of halohydroxybenzoates and on catalytic turnover. <i>Biochemistry</i> , 1979, 18, 5933-5939.	1.2	13
133	The environments of Trp-248 and Trp-330 in tryptophan indole-lyase from <i>Escherichia coli</i> . <i>FEBS Letters</i> , 1990, 268, 213-216.	1.3	13
134	An enzymatic synthesis of 2-azido-L-tyrosine. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1992, 2, 41-44.	1.0	13
135	Fluorine substituent effects for tryptophan in <sup>13</sup> C nuclear magnetic resonance. <i>Magnetic Resonance in Chemistry</i> , 1992, 30, 1035-1040.	1.1	13
136	Effects of Tyrosine Ring Fluorination on Rates and Equilibria of Formation of Intermediates in the Reactions of Carbon-Carbon Lyases. <i>FEBS Journal</i> , 1997, 244, 658-663.	0.2	13
137	Methionine <sup>13</sup> S-lyase: Mechanistic deductions from the kinetic pH-effects. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2009, 1794, 1414-1420.	1.1	13
138	Secondary Alcohol Dehydrogenases from <i>Thermoanaerobacter pseudoethanolicus</i> and <i>Thermoanaerobacter brockii</i> as Robust Catalysts. <i>ChemBioChem</i> , 2021, 22, 1884-1893.	1.3	13
139	Reaction of <i>Pseudomonas fluorescens</i> Kynureninase with <sup>12</sup> C-Benzoyl-L-alanine: Detection of a New Reaction Intermediate and a Change in Rate-Determining Step. <i>Biochemistry</i> , 2004, 43, 3230-3237.	1.2	12
140	The reaction of indole with the aminoacrylate intermediate of <i>Salmonella typhimurium</i> tryptophan synthase: observation of a primary kinetic isotope effect with 3-[ <sup>2</sup> H]indole. <i>Archives of Biochemistry and Biophysics</i> , 2004, 432, 233-243.	1.4	12
141	Asymmetric Kinetics of Protein Structural Changes. <i>Accounts of Chemical Research</i> , 2009, 42, 778-787.	7.6	12
142	Oxygen reactivity with pyridoxal 5-phosphate enzymes: biochemical implications and functional relevance. <i>Amino Acids</i> , 2020, 52, 1089-1105.	1.2	12
143	Ionization state of pyridoxal 5-phosphate in d-serine dehydratase, dialkylglycine decarboxylase and tyrosine phenol-lyase and the influence of monovalent cations as inferred by <sup>31</sup> P NMR spectroscopy. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2006, 1764, 230-238.	1.1	11
144	Pressure-enhanced activity and stability of <sup>12</sup> C-L-rhamnosidase and <sup>12</sup> C-D-glucosidase activities expressed by naringinase. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2010, 65, 102-109.	1.8	11

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145	Insights into the Mechanism of <i>Pseudomonas dacunhae</i> Aspartate $\beta$ -Decarboxylase from Rapid-Scanning Stopped-Flow Kinetics. <i>Biochemistry</i> , 2010, 49, 5066-5073.	1.2	11
146	Crystal Structure of <i>D</i> -Ornithine/ <i>D</i> -Lysine Decarboxylase, a Stereoinverting Decarboxylase: Implications for Substrate Specificity and Stereospecificity of Fold III Decarboxylases. <i>Biochemistry</i> , 2019, 58, 1038-1042.	1.2	11
147	Enzymatic synthesis of aza-l-tyrosines. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2001, 11, 2099-2100.	1.0	10
148	The role of acidic dissociation of substrate's phenol group in the mechanism of tyrosine phenol-lyase. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2003, 1647, 260-265.	1.1	10
149	Inhibition of <i>Escherichia coli</i> tryptophan indole-lyase by tryptophan homologues. <i>Archives of Biochemistry and Biophysics</i> , 2014, 560, 20-26.	1.4	10
150	Effects of Hydrostatic Pressure on Stereospecificity of Secondary Alcohol Dehydrogenase from <i>Thermoanaerobacter Ethanolicus</i> Support the Role of Solvation in Enantiospecificity. <i>ACS Catalysis</i> , 2014, 4, 692-694.	5.5	10
151	Interactions of <i>Escherichia coli</i> tryptophanase with quasisubstrates and monovalent cations studied by the circular dichroism and fluorescence methods. <i>BBA - Proteins and Proteomics</i> , 1996, 1294, 147-152.	2.1	9
152	Preparation and photophysical properties of a caged kynurenine. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 2734-2737.	1.0	9
153	The role of substrate strain in the mechanism of the carbon-carbon lyases. <i>Bioorganic Chemistry</i> , 2014, 57, 198-205.	2.0	9
154	Synthesis of 2-Nitro-L-tryptophan. <i>Journal of Heterocyclic Chemistry</i> , 1988, 25, 191-192.	1.4	8
155	Mechanism of catalysis by tyrosine phenol lyase from <i>Erwinia herbicola</i> . Multiple kinetic isotope effects for the reactions with adequate substrates. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1996, , 2001.	0.9	8
156	Stereoselective acylation of <i>Dl</i> -menthol in organic solvents by an immobilized lipase from <i>Pseudomonas cepacia</i> with vinyl propionate. <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 1997, 74, 435-439.	0.8	8
157	Inhibition of Tyrosine Phenol-lyase from <i>Citrobacter freundii</i> by 2-Azatyrosine and 3-Azatyrosine. <i>Biochemistry</i> , 2001, 40, 14862-14868.	1.2	8
158	Tailoring the substrate specificity of secondary alcohol dehydrogenase. <i>Canadian Journal of Chemistry</i> , 2002, 80, 680-685.	0.6	8
159	The mechanism of alpha-proton isotope exchange in amino acids catalysed by tyrosine phenol-lyase. What is the role of quinonoid intermediates?. <i>FEBS Journal</i> , 2004, 271, 4565-4571.	0.2	8
160	Tryptophanase from <i>Proteus vulgaris</i> : The conformational rearrangement in the active site, induced by the mutation of Tyrosine 72 to Phenylalanine, and its mechanistic consequences. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2006, 1764, 750-757.	1.1	8
161	The phosphate of pyridoxal-5-phosphate is an acid/base catalyst in the mechanism of <i>Pseudomonas fluorescens</i> kynureninase. <i>FEBS Journal</i> , 2014, 281, 1100-1109.	2.2	8
162	Substrate and inhibitor specificity of kynurenine monooxygenase from <i>Cytophaga hutchinsonii</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 1705-1708.	1.0	8

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163	Structural Basis of the Stereochemistry of Inhibition of Tryptophan Synthase by Tryptophan and Derivatives. <i>Biochemistry</i> , 2021, 60, 231-244.	1.2	8
164	6-Nitro-L-tryptophan: A novel spectroscopic probe of trp aporepressor and human serum albumin. <i>Archives of Biochemistry and Biophysics</i> , 1988, 262, 337-344.	1.4	7
165	The design and synthesis of a selective inhibitor of fucosyltransferase VI. <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 1376.	1.5	7
166	Role of Lysine-256 in <i>Citrobacter freundii</i> Tyrosine Phenol-lyase in Monovalent Cation Activation. <i>Biochemistry</i> , 2004, 43, 14412-14419.	1.2	7
167	Benzimidazole analogs of L-tryptophan are substrates and inhibitors of tryptophan indole lyase from <i>Escherichia coli</i> . <i>FEBS Journal</i> , 2013, 280, 1807-1817.	2.2	7
168	Inhibition of tyrosine phenol-lyase by tyrosine homologues. <i>Amino Acids</i> , 2016, 48, 2243-2251.	1.2	7
169	The crystal structure of <i>Proteus vulgaris</i> tryptophan indole-lyase complexed with oxindolyl-L-alanine: implications for the reaction mechanism. <i>Acta Crystallographica Section D: Structural Biology</i> , 2018, 74, 748-759.	1.1	7
170	On the Nature of the Spontaneous Activation of Hepatic Phenylalanine Hydroxylase. <i>Transactions of the New York Academy of Sciences</i> , 1983, 41, 87-95.	0.2	6
171	Cyclonerodiol from a Novel Source, <i>Trichoderma koningii</i> : Plant Growth Regulatory Activity. <i>Agricultural and Biological Chemistry</i> , 1991, 55, 243-244.	0.3	6
172	Stereospecificity of <i>Pseudomonas fluorescens</i> kynureninase for diastereomers of 2-methylkynurenine. <i>Bioorganic and Medicinal Chemistry</i> , 1999, 7, 1497-1503.	1.4	6
173	Cold-induced enzyme inactivation: how does cooling lead to pyridoxal phosphate aldimine bond cleavage in tryptophanase?. <i>BBA - Proteins and Proteomics</i> , 2002, 1594, 335-340.	2.1	6
174	Regioselective nitration of N,N1-bis(trifluoroacetyl)-L-tryptophan methyl ester: Efficient synthesis of 2-nitro and 6-nitro-N-trifluoroacetyl-L-tryptophan methyl ester. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 5750-5752.	1.0	6
175	Properties of tryptophan indole-lyase from a piezophilic bacterium, <i>Photobacterium profundum</i> SS9. <i>Archives of Biochemistry and Biophysics</i> , 2011, 506, 35-41.	1.4	6
176	Crystal Structures of Wild-Type and F448A Mutant <i>Citrobacter freundii</i> Tyrosine Phenol-Lyase Complexed with a Substrate and Inhibitors: Implications for the Reaction Mechanism. <i>Biochemistry</i> , 2018, 57, 6166-6179.	1.2	6
177	Pressure and Temperature Effects on the Formation of Aminoacrylate Intermediates of Tyrosine Phenol-lyase Demonstrate Reaction Dynamics. <i>ACS Catalysis</i> , 2020, 10, 1692-1703.	5.5	6
178	Indole protects tryptophan indole-lyase, but not tryptophan synthase, from inactivation by trifluoroalanine. <i>Archives of Biochemistry and Biophysics</i> , 1992, 296, 489-496.	1.4	5
179	Site-Directed Mutagenesis of His343Ala in <i>Citrobacter freundii</i> Tyrosine Phenol-Lyase. Effects on the Kinetic Mechanism and Rate-Determining Step. <i>FEBS Journal</i> , 1995, 229, 540-549.	0.2	5
180	LIPASE-CATALYZED ACYLATION OF MENTHOL WITH VINYL ACETATE IN ORGANIC MEDIA. <i>Journal of Food Lipids</i> , 1996, 3, 189-198.	0.9	5

#	ARTICLE	IF	CITATIONS
181	Cleavage of <i>Escherichia coli</i> tryptophan indole-lyase by trypsin at Lys406 affects the transmission of conformational changes associated with monovalent cation activation. <i>FEBS Journal</i> , 1998, 255, 508-515.	0.2	5
182	Differential Effects of Temperature and Hydrostatic Pressure on the Formation of Quinonoid Intermediates from l-Trp and l-Met by H463F Mutant <i>Escherichia coli</i> Tryptophan Indole-lyase. <i>Biochemistry</i> , 2005, 44, 14289-14297.	1.2	5
183	A Matrix-Assisted Laser Desorption/Ionization Compatible Reagent for Tagging Tryptophan Residues. <i>European Journal of Mass Spectrometry</i> , 2006, 12, 213-221.	0.5	5
184	Effects of Pressure and Osmolytes on the Allosteric Equilibria of <i>Salmonella typhimurium</i> Tryptophan Synthase. <i>Biochemistry</i> , 2012, 51, 9354-9363.	1.2	5
185	Evidence of Preorganization in Quinonoid Intermediate Formation from l-Trp in H463F Mutant <i>Escherichia coli</i> Tryptophan Indole-lyase from Effects of Pressure and pH. <i>Biochemistry</i> , 2012, 51, 6527-6533.	1.2	5
186	A straightforward kinetic evidence for coexistence of induced fit and selected fit in the reaction mechanism of a mutant tryptophan indole lyase Y72F from <i>Proteus vulgaris</i> . <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 1860-1867.	1.1	5
187	STM2360 encodes a d-ornithine/d-lysine decarboxylase in <i>Salmonella enterica</i> serovar typhimurium. <i>Archives of Biochemistry and Biophysics</i> , 2017, 634, 83-87.	1.4	5
188	Phosphorylation of pyridoxal 5-phosphate enzymes: an intriguing and neglected topic. <i>Amino Acids</i> , 2018, 50, 205-215.	1.2	5
189	Serine 51 residue of <i>Citrobacter freundii</i> tyrosine phenol-lyase assists in C-H proton abstraction and transfer in the reaction with substrate. <i>Biochimie</i> , 2018, 147, 63-69.	1.3	5
190	Properties and mechanism of d-glucosaminat-6-phosphate ammonia-lyase: An aminotransferase family enzyme with d-amino acid specificity. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2018, 1866, 799-805.	1.1	5
191	The crystal structure of the S154Y mutant carbonyl reductase from <i>Leifsonia xyli</i> explains enhanced activity for 3,5-bis(trifluoromethyl)acetophenone reduction. <i>Archives of Biochemistry and Biophysics</i> , 2022, 720, 109158.	1.4	5
192	Chlorine substituent effects for indole and tryptophan in <sup>13</sup> C NMR. <i>Journal of Heterocyclic Chemistry</i> , 1994, 31, 711-716.	1.4	4
193	Pyridoxal phosphate binding to wild type, W330F, and C298S mutants of <i>Escherichia coli</i> apotryptophanase: unraveling the cold inactivation. <i>FEBS Letters</i> , 1998, 433, 279-282.	1.3	4
194	Substituents effects on activity of kynureninase from <i>Homo sapiens</i> and <i>Pseudomonas fluorescens</i> . <i>Biorganic and Medicinal Chemistry</i> , 2013, 21, 4670-4677.	1.4	4
195	Editorial: PLP-Dependent Enzymes: Extraordinary Versatile Catalysts and Ideal Biotechnological Tools for the Production of Unnatural Amino Acids and Related Compounds. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 52.	2.0	4
196	Stopped-flow studies of the reaction of d-tryptophan semialdehyde phosphate with human neuronal enolase and yeast enolase 1. <i>FEBS Letters</i> , 2010, 584, 979-983.	1.3	3
197	Preparation of 3-bromo-l-tyrosine and 3,5-dibromo-l-tyrosine. <i>Amino Acids</i> , 2013, 44, 529-532.	1.2	3
198	Mutagenesis of Met-151 and Thr-153 to alanine in <i>Thermoanaerobacter ethanolicus</i> secondary alcohol dehydrogenase changes substrate specificity for acetophenones. <i>Enzyme and Microbial Technology</i> , 2017, 105, 59-63.	1.6	3

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199	Structure and Mechanism of d-Glucosamine-6-phosphate Ammonia-lyase: A Novel Octameric Assembly for a Pyridoxal 5'-Phosphate-Dependent Enzyme, and Unprecedented Stereochemical Inversion in the Elimination Reaction of a d-Amino Acid. <i>Biochemistry</i> , 2021, 60, 1609-1618.	1.2	3
200	Methyl substituent effects for methyltryptophans in $^{13}\text{C}$ nmr. <i>Journal of Heterocyclic Chemistry</i> , 1992, 29, 1181-1187.	1.4	2
201	Tryptophanase in aqueous methanol: the solvent effects and a probable mechanism of the hydrophobic control of substrate specificity. <i>Enzyme and Microbial Technology</i> , 2003, 32, 843-850.	1.6	2
202	Effects of hydrostatic pressure on the conformational equilibrium of tryptophan synthase from <i>Salmonella typhimurium</i> . <i>Annals of the New York Academy of Sciences</i> , 2010, 1189, 95-103.	1.8	2
203	High pressure: a tool to improve the enzymatic production of glycosides. <i>High Pressure Research</i> , 2011, 31, 475-487.	0.4	1
204	Enzymatic synthesis and biochemical reactions of fluorinated analogues of L-tyrosine and L-dopa. , 1990, , 166-172.		1
205	M379A Mutant Tyrosine Phenol-lyase from <i>Citrobacter freundii</i> Has Altered Conformational Dynamics. <i>ChemBioChem</i> , 2022, , .	1.3	1
206	Synthetic Applications of Tryptophan Synthase. <i>ChemInform</i> , 2005, 36, no.	0.1	0
207	The roles of Ser-36, Asp-132 and Asp-201 in the reaction of <i>Pseudomonas fluorescens</i> Kynureninase. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2019, 1867, 722-731.	1.1	0
208	Editorial: Enzymes Regulating the Homeostasis of Agonists and Antagonists of the N-Methyl D-Aspartate Receptors. <i>Frontiers in Molecular Biosciences</i> , 2019, 6, 37.	1.6	0
209	Crystal structure of the Homo sapiens kynureninase- $\alpha$ -amino- $\beta$ -hydroxyhippuric acid inhibitor complex. <i>FASEB Journal</i> , 2006, 20, A895.	0.2	0
210	DEFINING SUBSTRATE SPECIFICITY IN TRYPTOPHAN SYNTHASE BETA-SUBUNIT HOMOLOGS. <i>FASEB Journal</i> , 2007, 21, A1018.	0.2	0
211	Studies of the Mechanism of Tyrosine Phenol-lyase: Kinetics and Site-Directed Mutagenesis. , 1994, , 193-197.		0
212	Crystallographic snapshots of ternary complexes of thermophilic secondary alcohol dehydrogenase from <i>Thermoanaerobacter pseudoethanolicus</i> reveal the dynamics of ligand exchange and the proton relay network. <i>Proteins: Structure, Function and Bioinformatics</i> , 2022, , .	1.5	0