

Ming-Daw Tsai

List of Publications by Year in descending order

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251
papers

9,497
citations

41323

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62565

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257
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257
docs citations

257
times ranked

9389
citing authors

#	ARTICLE	IF	CITATIONS
1	Ankyrin Repeat: A Unique Motif Mediating Protein-Protein Interactions. <i>Biochemistry</i> , 2006, 45, 15168-15178.	1.2	537
2	Interfacial Enzymology: The Secreted Phospholipase A2-Paradigm. <i>Chemical Reviews</i> , 2001, 101, 2613-2654.	23.0	357
3	Regulatory Mechanisms of Tumor Suppressor P16 ^{INK4A} and Their Relevance to Cancer. <i>Biochemistry</i> , 2011, 50, 5566-5582.	1.2	251
4	AMP-Activated Protein Kinase Functionally Phosphorylates Endothelial Nitric Oxide Synthase Ser633. <i>Circulation Research</i> , 2009, 104, 496-505.	2.0	230
5	A Reexamination of the Nucleotide Incorporation Fidelity of DNA Polymerases. <i>Biochemistry</i> , 2002, 41, 10571-10576.	1.2	141
6	Tumor Suppressor p16INK4A: Determination of Solution Structure and Analyses of Its Interaction with Cyclin-Dependent Kinase 4. <i>Molecular Cell</i> , 1998, 1, 421-431.	4.5	140
7	Histone Demethylase RBP2 Promotes Lung Tumorigenesis and Cancer Metastasis. <i>Cancer Research</i> , 2013, 73, 4711-4721.	0.4	138
8	DNA Polymerase β : Pre-Steady-State Kinetic Analysis and Roles of Arginine-283 in Catalysis and Fidelity. <i>Biochemistry</i> , 1996, 35, 7041-7050.	1.2	135
9	DNA Polymerase β : Structure-Fidelity Relationship from Pre-Steady-State Kinetic Analyses of All Possible Correct and Incorrect Base Pairs for Wild Type and R283A Mutant. <i>Biochemistry</i> , 1997, 36, 1100-1107.	1.2	132
10	Insight into the Catalytic Mechanism of DNA Polymerase β : Structures of Intermediate Complexes. <i>Biochemistry</i> , 2001, 40, 5368-5375.	1.2	127
11	Nucleoside Monophosphate Kinases: Structure, Mechanism, and Substrate Specificity. <i>Advances in Enzymology and Related Areas of Molecular Biology</i> , 2006, 73, 103-134.	1.3	127
12	Structure and Function of the Phosphothreonine-Specific FHA Domain. <i>Science Signaling</i> , 2008, 1, re12.	1.6	126
13	Loss of the Oxidative Stress Sensor NPGPx Compromises GRP78 Chaperone Activity and Induces Systemic Disease. <i>Molecular Cell</i> , 2012, 48, 747-759.	4.5	120
14	DNA polymerase β : effects of gapped DNA substrates on dNTP specificity, fidelity, processivity and conformational changes. <i>Biochemical Journal</i> , 1998, 331, 79-87.	1.7	115
15	Structure and function of a new phosphopeptide-binding domain containing the FHA2 of rad53. <i>Journal of Molecular Biology</i> , 1999, 294, 1041-1049.	2.0	111
16	Use of 2-Aminopurine and Tryptophan Fluorescence as Probes in Kinetic Analyses of DNA Polymerase β . <i>Biochemistry</i> , 2002, 41, 11226-11235.	1.2	110
17	DNA Polymerase β : Multiple Conformational Changes in the Mechanism of Catalysis. <i>Biochemistry</i> , 1997, 36, 11891-11900.	1.2	103
18	Efficient and systematic syntheses of enantiomerically pure and regiospecifically protected myo-inositols. <i>Journal of the American Chemical Society</i> , 1992, 114, 6361-6374.	6.6	97

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19	The ARID domain of the H3K4 demethylase RBP2 binds to a DNA CCGCCC motif. <i>Nature Structural and Molecular Biology</i> , 2008, 15, 419-421.	3.6	97
20	Identification of Histone Demethylases in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2007, 282, 14262-14271.	1.6	96
21	High-throughput identification of compounds targeting influenza RNA-dependent RNA polymerase activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 19151-19156.	3.3	96
22	Structure-based Combinatorial Protein Engineering (SCOPE). <i>Journal of Molecular Biology</i> , 2002, 321, 677-691.	2.0	95
23	Novel Insights into the INK4-CDK4/6-Rb Pathway: A Counter Action of Gankyrin against INK4 Proteins Regulates the CDK4-Mediated Phosphorylation of Rb. <i>Biochemistry</i> , 2002, 41, 3977-3983.	1.2	86
24	Use of phosphorus-31 nuclear magnetic resonance to distinguish bridge and nonbridge oxygens of oxygen-17-enriched nucleoside triphosphates. Stereochemistry of acetate activation by acetyl coenzyme A synthetase. <i>Biochemistry</i> , 1979, 18, 1468-1472.	1.2	83
25	Use of Viscogens, dNTPs, and Rhodium(III) as Probes in Stopped-Flow Experiments To Obtain New Evidence for the Mechanism of Catalysis by DNA Polymerase β . <i>Biochemistry</i> , 2005, 44, 5177-5187.	1.2	78
26	Tumor Suppressor p16INK4A: A Structural Characterization of Wild-Type and Mutant Proteins by NMR and Circular Dichroism. <i>Biochemistry</i> , 1996, 35, 9475-9487.	1.2	77
27	Structure of the FHA1 Domain of Yeast Rad53 and Identification of Binding Sites for both FHA1 and its Target Protein Rad9. <i>Journal of Molecular Biology</i> , 2000, 304, 941-951.	2.0	77
28	Diphosphothreonine-Specific Interaction between an SQ/TQ Cluster and an FHA Domain in the Rad53-Dun1 Kinase Cascade. <i>Molecular Cell</i> , 2008, 30, 767-778.	4.5	74
29	Toward the mechanism of phosphoinositide-specific phospholipases C. <i>Bioorganic and Medicinal Chemistry</i> , 1994, 2, 49-72.	1.4	73
30	E339R416 salt bridge of nucleoprotein as a feasible target for influenza virus inhibitors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 16515-16520.	3.3	73
31	Phospholipase A2 Engineering. Structural and Functional Roles of the Highly Conserved Active Site Residue Aspartate-49. <i>Biochemistry</i> , 1994, 33, 14714-14722.	1.2	72
32	Database Search Algorithm for Identification of Intact Cross-Links in Proteins and Peptides Using Tandem Mass Spectrometry. <i>Journal of Proteome Research</i> , 2010, 9, 3384-3393.	1.8	72
33	A Ribonuclease Coordinates siRNA Amplification and mRNA Cleavage during RNAi. <i>Cell</i> , 2015, 160, 407-419.	13.5	71
34	Mechanism of Phosphatidylinositol-Specific Phospholipase C: A Unified View of the Mechanism of Catalysis. <i>Biochemistry</i> , 1998, 37, 4568-4580.	1.2	70
35	Phospholipase A2 Engineering. The Roles of Disulfide Bonds in Structure, Conformational Stability, and Catalytic Function. <i>Biochemistry</i> , 1995, 34, 15307-15314.	1.2	69
36	Phospholipase A2 engineering. Probing the structural and functional roles of N-terminal residues with site-directed mutagenesis, x-ray, and NMR. <i>Biochemistry</i> , 1995, 34, 7322-7334.	1.2	66

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37	Solution structure of a viral DNA polymerase X and evidence for a mutagenic function. <i>Nature Structural Biology</i> , 2001, 8, 942-946.	9.7	65
38	Sequential phosphorylation and multisite interactions characterize specific target recognition by the FHA domain of Ki67. <i>Nature Structural and Molecular Biology</i> , 2005, 12, 987-993.	3.6	65
39	Mechanistic Comparison of High-Fidelity and Error-Prone DNA Polymerases and Ligases Involved in DNA Repair. <i>Chemical Reviews</i> , 2006, 106, 340-360.	23.0	65
40	A novel expression vector for high-level synthesis and secretion of foreign proteins in <i>Escherichia coli</i> : overproduction of bovine pancreatic phospholipase A2. <i>Gene</i> , 1990, 93, 229-234.	1.0	59
41	DNA polymerase β : analysis of the contributions of tyrosine-271 and asparagine-279 to substrate specificity and fidelity of DNA replication by pre-steady-state kinetics. <i>Biochemical Journal</i> , 1997, 323, 103-111.	1.7	58
42	Interception of teicoplanin oxidation intermediates yields new antimicrobial scaffolds. <i>Nature Chemical Biology</i> , 2011, 7, 304-309.	3.9	58
43	A DNA Polymerase with Specificity for Five Base Pairs. <i>Journal of the American Chemical Society</i> , 2001, 123, 1776-1777.	6.6	56
44	How DNA polymerases catalyse replication and repair with contrasting fidelity. <i>Nature Reviews Chemistry</i> , 2017, 1, .	13.8	54
45	Phospholipase A2 Engineering. Structural and Functional Roles of the Highly Conserved Active Site Residue Aspartate-99. <i>Biochemistry</i> , 1997, 36, 3104-3114.	1.2	53
46	II. Structure and specificity of the interaction between the FHA2 domain of rad53 and phosphotyrosyl peptides. <i>Journal of Molecular Biology</i> , 2000, 302, 927-940.	2.0	53
47	DNA Polymerase β : Pre-Steady-State Kinetic Analyses of dATP \pm S Stereoselectivity and Alteration of the Stereoselectivity by Various Metal Ions and by Site-Directed Mutagenesis. <i>Biochemistry</i> , 2001, 40, 9014-9022.	1.2	53
48	DNA Polymerase β : Contributions of Template-Positioning and dNTP Triphosphate-Binding Residues to Catalysis and Fidelity. <i>Biochemistry</i> , 2000, 39, 16008-16015.	1.2	52
49	Structural Basis of the Anionic Interface Preference and Activation of Pancreatic Phospholipase A2. <i>Biochemistry</i> , 2000, 39, 12312-12323.	1.2	52
50	Ubc9 acetylation modulates distinct SUMO target modification and hypoxia response. <i>EMBO Journal</i> , 2013, 32, 791-804.	3.5	51
51	Structure of the bifunctional cryptochrome aCRY from <i>Chlamydomonas reinhardtii</i> . <i>Nucleic Acids Research</i> , 2018, 46, 8010-8022.	6.5	51
52	Structure of Human Ki67 FHA Domain and its Binding to a Phosphoprotein Fragment from hNIFK Reveal Unique Recognition Sites and New Views to the Structural Basis of FHA Domain Functions. <i>Journal of Molecular Biology</i> , 2004, 335, 371-381.	2.0	50
53	Mechanism of adenylate kinase. The essential lysine helps to orient the phosphates and the active site residues to proper conformations. <i>Biochemistry</i> , 1995, 34, 3172-3182.	1.2	48
54	Biosynthesis of Streptolidine Involved Two Unexpected Intermediates Produced by a Dihydroxylase and a Cyclase through Unusual Mechanisms. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1943-1948.	7.2	47

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55	A Unified Kinetic Mechanism Applicable to Multiple DNA Polymerases,. <i>Biochemistry</i> , 2007, 46, 5463-5472.	1.2	46
56	Mechanism of Phosphatidylinositolâˆ™Phospholipase C. 2. Reversal of a Thio Effect by Site-Directed Mutagenesis1. <i>Journal of the American Chemical Society</i> , 1997, 119, 5477-5478.	6.6	45
57	Fha Interaction with Phosphothreonine of TssL Activates Type VI Secretion in <i>Agrobacterium tumefaciens</i> . <i>PLoS Pathogens</i> , 2014, 10, e1003991.	2.1	45
58	Phospholipase A2 engineering. 10. The aspartate...histidine catalytic diad also plays an important structural role. <i>Journal of the American Chemical Society</i> , 1993, 115, 8523-8526.	6.6	44
59	The nucleolar protein NIFK promotes cancer progression via CK1Î±/Î²-catenin in metastasis and Ki-67-dependent cell proliferation. <i>ELife</i> , 2016, 5, .	2.8	44
60	Tumor Suppressor INK4:â€” Determination of the Solution Structure of p18INK4C and Demonstration of the Functional Significance of Loops in p18INK4C and p16INK4Aâ€”, <i>Biochemistry</i> , 1999, 38, 2930-2940.	1.2	43
61	Somatic INK4a-ARF locus mutations: A significant mechanism of gene inactivation in squamous cell carcinomas of the head and neck. <i>Molecular Carcinogenesis</i> , 2001, 30, 26-36.	1.3	43
62	Diverse but Overlapping Functions of the Two Forkhead-associated (FHA) Domains in Rad53 Checkpoint Kinase Activation. <i>Journal of Biological Chemistry</i> , 2003, 278, 30421-30424.	1.6	43
63	Intermolecular Binding between TIFA-FHA and TIFA-pT Mediates Tumor Necrosis Factor Alpha Stimulation and NF-Î²B Activation. <i>Molecular and Cellular Biology</i> , 2012, 32, 2664-2673.	1.1	43
64	TIFA as a crucial mediator for NLRP3 inflammasome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 15078-15083.	3.3	43
65	Mdt1, a Novel Rad53 FHA1 Domain-Interacting Protein, Modulates DNA Damage Tolerance and G 2 /M Cell Cycle Progression in <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 2004, 24, 2779-2788.	1.1	42
66	Solution Structure of the Human Oncogenic Protein Gankyrin Containing Seven Ankyrin Repeats and Analysis of Its Structureâˆ™Function Relationship,. <i>Biochemistry</i> , 2004, 43, 12152-12161.	1.2	42
67	Solution structure of the yeast Rad53 FHA2 complexed with a phosphothreonine peptide pTXXL: comparison with the structures of FHA2-pYXL and FHA1-pTXXD complexes 1 1Edited by M. F. Summers. <i>Journal of Molecular Biology</i> , 2001, 314, 577-588.	2.0	41
68	Reversible Acetylation Regulates Salt-inducible Kinase (SIK2) and Its Function in Autophagy*. <i>Journal of Biological Chemistry</i> , 2013, 288, 6227-6237.	1.6	41
69	Aurora A and NF-Î²B Survival Pathway Drive Chemoresistance in Acute Myeloid Leukemia via the TRAF-Interacting Protein TIFA. <i>Cancer Research</i> , 2017, 77, 494-508.	0.4	41
70	Solution structures of two FHA1-phosphothreonine peptide complexes provide insight into the structural basis of the ligand specificity of FHA1 from yeast Rad53 1 1Edited by M. F. Summers. <i>Journal of Molecular Biology</i> , 2001, 314, 563-575.	2.0	40
71	Humoral Immunity against Capsule Polysaccharide Protects the Host from <i>magA</i> ⁺ <i>Klebsiella pneumoniae</i> -Induced Lethal Disease by Evading Toll-Like Receptor 4 Signaling. <i>Infection and Immunity</i> , 2009, 77, 615-621.	1.0	40
72	TagF-mediated repression of bacterial type VI secretion systems involves a direct interaction with the cytoplasmic protein Fha. <i>Journal of Biological Chemistry</i> , 2018, 293, 8829-8842.	1.6	40

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73	Human DNA Ligase IV and the Ligase IV/XRCC4 Complex: Analysis of Nick Ligation Fidelity. <i>Biochemistry</i> , 2007, 46, 4962-4976.	1.2	39
74	Phosphatidylinositol-Specific Phospholipase C: Kinetic and Stereochemical Evidence for an Interaction between Arginine-69 and the Phosphate Group of Phosphatidylinositol. <i>Biochemistry</i> , 1997, 36, 6633-6642.	1.2	38
75	Tumor suppressor INK4: comparisons of conformational properties between p16 INK4A and p18 INK4C 1 Edited by P. E. Wright. <i>Journal of Molecular Biology</i> , 1999, 294, 201-211.	2.0	38
76	An Error-Prone Viral DNA Ligase. <i>Biochemistry</i> , 2005, 44, 8408-8417.	1.2	38
77	Functions of Some Capsular Polysaccharide Biosynthetic Genes in <i>Klebsiella pneumoniae</i> NTUH K-2044. <i>PLoS ONE</i> , 2011, 6, e21664.	1.1	38
78	Phospholipase A2 Engineering. Deletion of the C-Terminus Segment Changes Substrate Specificity and Uncouples Calcium and Substrate Binding at the Zwitterionic Interface. <i>Biochemistry</i> , 1996, 35, 12164-12174.	1.2	37
79	Involvement of the Arg-Asp-His Catalytic Triad in Enzymatic Cleavage of the Phosphodiester Bond. <i>Biochemistry</i> , 2001, 40, 5422-5432.	1.2	37
80	Chirality at a pro-pro-prochiral phosphorus center. Stereochemical course of the 5'-nucleotidase-catalyzed reaction. <i>Journal of the American Chemical Society</i> , 1980, 102, 5416-5418.	6.6	36
81	Applicability of the phosphorus-31 (oxygen-17) nuclear magnetic resonance method in the study of enzyme mechanism involving phosphorus. <i>Biochemistry</i> , 1980, 19, 3531-3536.	1.2	36
82	Synthesis of Inositol Phosphodiester by Phospholipase C-Catalyzed Transesterification. <i>Journal of the American Chemical Society</i> , 1996, 118, 7679-7688.	6.6	36
83	Investigation of the Conformational States of Wzz and the Wzz-O-Antigen Complex under Near-Physiological Conditions. <i>Biochemistry</i> , 2007, 46, 11744-11752.	1.2	36
84	Protein Kinase A-mediated Serine 35 Phosphorylation Dissociates Histone H1.4 from Mitotic Chromosome*. <i>Journal of Biological Chemistry</i> , 2011, 286, 35843-35851.	1.6	36
85	Amino Acid Substitutions of MagA in <i>Klebsiella pneumoniae</i> Affect the Biosynthesis of the Capsular Polysaccharide. <i>PLoS ONE</i> , 2012, 7, e46783.	1.1	36
86	Effects of oxygen-17 and oxygen-18 on phosphorus-31 NMR: further investigation and applications. <i>Journal of the American Chemical Society</i> , 1983, 105, 5455-5461.	6.6	35
87	Are D- and L-chiro-Phosphoinositides Substrates of Phosphatidylinositol-Specific Phospholipase C?. <i>Biochemistry</i> , 1994, 33, 8367-8374.	1.2	35
88	Global analysis of modifications of the human BK virus structural proteins by LC-MS/MS. <i>Virology</i> , 2010, 402, 164-176.	1.1	35
89	An NF- κ B-Specific Inhibitor, I κ B ζ , Binds to and Inhibits Cyclin-Dependent Kinase 4. <i>Biochemistry</i> , 2003, 42, 13476-13483.	1.2	34
90	Splase: A new class IIs zinc-finger restriction endonuclease with specificity for Sp1 binding sites. <i>The Protein Journal</i> , 1996, 15, 481-489.	1.1	33

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91	Contributions of Residues of Pancreatic Phospholipase A ₂ to Interfacial Binding, Catalysis, and Activation. <i>Biochemistry</i> , 1999, 38, 4875-4884.	1.2	33
92	Mismatched and Matched dNTP Incorporation by DNA Polymerase β Proceed via Analogous Kinetic Pathways. <i>Biochemistry</i> , 2008, 47, 9718-9727.	1.2	33
93	Phospholipids chiral at phosphorus. 1. Stereochemistry of transphosphatidylation catalyzed by phospholipase D. <i>Journal of the American Chemical Society</i> , 1982, 104, 863-865.	6.6	32
94	Structure and function of the catalytic site mutant Asp 99 Asn of phospholipase A ₂ : Absence of the conserved structural water. <i>Protein Science</i> , 1994, 3, 2082-2088.	3.1	32
95	DNA Polymerase β . 5. Dissecting the Functional Roles of the Two Metal Ions with Cr(III)dTTP1. <i>Journal of the American Chemical Society</i> , 1998, 120, 235-236.	6.6	32
96	Identification of in Vivo Phosphorylation Sites and Their Functional Significance in the Sodium Iodide Symporter. <i>Journal of Biological Chemistry</i> , 2007, 282, 36820-36828.	1.6	32
97	Human p16 ^{INK3} , a novel transcriptional variant of p16 ^{INK4A} , coexpresses with p16 ^{INK4A} in cancer cells and inhibits cell-cycle progression. <i>Oncogene</i> , 2007, 26, 7017-7027.	2.6	32
98	Ultrafast Water Dynamics at the Interface of the Polymerase β -DNA Binding Complex. <i>Biochemistry</i> , 2014, 53, 5405-5413.	1.2	32
99	Temperature-Resolved Cryo-EM Uncovers Structural Bases of Temperature-Dependent Enzyme Functions. <i>Journal of the American Chemical Society</i> , 2019, 141, 19983-19987.	6.6	32
100	Direct Binding of the N-Terminus of HTLV-1 Tax Oncoprotein to Cyclin-Dependent Kinase 4 Is a Dominant Path To Stimulate the Kinase Activity. <i>Biochemistry</i> , 2003, 42, 6921-6928.	1.2	31
101	The histone H3K36 demethylase Rph1/KDM4 regulates the expression of the photoreactivation gene PHR1. <i>Nucleic Acids Research</i> , 2011, 39, 4151-4165.	6.5	31
102	[15] Use of ³¹ P(18O), ³¹ P(17O), and 17O NMR methods to study enzyme mechanisms involving phosphorus. <i>Methods in Enzymology</i> , 1982, 87, 235-279.	0.4	30
103	Phospholipids chiral at phosphorus. 18. Stereochemistry of phosphatidylinositide-specific phospholipase C. <i>Journal of the American Chemical Society</i> , 1989, 111, 3099-3101.	6.6	30
104	Structure and mechanism of a nonhaem-iron SAM-dependent C ₄ -methyltransferase and its engineering to a hydratase and an O ₄ -methyltransferase. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 1549-1560.	2.5	30
105	Conformation-reactivity relationship for pyridoxal Schiff's bases. Rates of racemization and α -hydrogen exchange of the pyridoxal Schiff's bases of amino acids. <i>Biochemistry</i> , 1978, 17, 3183-3188.	1.2	29
106	Conformational analysis of pyridoxal Schiff's bases. Nuclear magnetic resonance studies of the conformations about the C ₄ -C _{4'} , C ₁ \pm -C ₁ ² and N-C ₁ \pm bonds of the pyridoxal Schiff's bases of amino acids. <i>Biochemistry</i> , 1978, 17, 3177-3182.	1.2	29
107	Structural Analysis of Phospholipase A ₂ from Functional Perspective. 1. Functionally Relevant Solution Structure and Roles of the Hydrogen-Bonding Network., <i>Biochemistry</i> , 1999, 38, 2909-2918.	1.2	29
108	The RNA recognition motif of NIFK is required for rRNA maturation during cell cycle progression. <i>RNA Biology</i> , 2015, 12, 255-267.	1.5	29

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109	Cationic Residues 53 and 56 Control the Anion-Induced Interfacial k^*_{cat} Activation of Pancreatic Phospholipase A2. <i>Biochemistry</i> , 1998, 37, 9549-9556.	1.2	28
110	Pancreatic phospholipase A2: new views on old issues. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 1999, 1441, 215-222.	1.2	28
111	Mechanism of Phosphatidylinositol-Specific Phospholipase C: Origin of Unusually High Nonbridging Thio Effects. <i>Biochemistry</i> , 2001, 40, 5433-5439.	1.2	28
112	Crystal Structures of the Free and Anisic Acid Bound Triple Mutant of Phospholipase A2. <i>Journal of Molecular Biology</i> , 2003, 333, 367-376.	2.0	28
113	The Nuclear Protein p34SEI-1 Regulates the Kinase Activity of Cyclin-Dependent Kinase 4 in a Concentration-Dependent Manner. <i>Biochemistry</i> , 2004, 43, 4394-4399.	1.2	28
114	Contribution of the Reverse Rate of the Conformational Step to Polymerase β^2 Fidelity. <i>Biochemistry</i> , 2009, 48, 3197-3208.	1.2	28
115	PHRF1 promotes genome integrity by modulating non-homologous end-joining. <i>Cell Death and Disease</i> , 2015, 6, e1716-e1716.	2.7	28
116	Phospholipase A2 engineering. 3. Replacement of lysine-56 by neutral residues improves catalytic efficiency significantly, alters substrate specificity, and clarifies the mechanism of interfacial recognition. <i>Journal of the American Chemical Society</i> , 1990, 112, 3704-3706.	6.6	27
117	JNK-mediated turnover and stabilization of the transcription factor p45/NF-E2 during differentiation of murine erythroleukemia cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 52-57.	3.3	27
118	Stereochemistry of the hydrolysis of adenosine 5'-thiophosphate catalyzed by venom 5'-nucleotidase. <i>Biochemistry</i> , 1980, 19, 5310-5316.	1.2	26
119	A Unique Flavin Mononucleotide-Linked Primary Alcohol Oxidase for Glycopeptide A40926 Maturation. <i>Journal of the American Chemical Society</i> , 2007, 129, 13384-13385.	6.6	26
120	Uncovering the Mechanism of Forkhead-Associated Domain-Mediated TIFA Oligomerization That Plays a Central Role in Immune Responses. <i>Biochemistry</i> , 2015, 54, 6219-6229.	1.2	26
121	Phospholipids chiral at phosphorus. 2. Preparation, property, and application of chiral thiophospholipids. <i>Journal of the American Chemical Society</i> , 1982, 104, 4682-4684.	6.6	25
122	Phospholipase A2 engineering. 4. Can the active-site aspartate-99 function alone?. <i>Journal of the American Chemical Society</i> , 1990, 112, 7074-7076.	6.6	25
123	Phospholipase A2 engineering. 6. Single amino acid substitutions of active site residues convert the rigid enzyme to highly flexible conformational states. <i>Journal of the American Chemical Society</i> , 1992, 114, 2748-2749.	6.6	25
124	Dissection of CDK4-Binding and Transactivation Activities of p34SEI-1 and Comparison between Functions of p34SEI-1 and p16INK4A. <i>Biochemistry</i> , 2005, 44, 13246-13256.	1.2	25
125	Phospholipids chiral at phosphorus. 5. Synthesis and configurational analysis of chiral [17O,18O]phosphatidylethanolamine. <i>Journal of the American Chemical Society</i> , 1984, 106, 747-754.	6.6	24
126	Tumor suppressor INK4: Refinement of p16 ^{INK4A} structure and determination of p16 ^{INK4B} structure by comparative modeling and NMR data. <i>Protein Science</i> , 2000, 9, 1120-1128.	3.1	24

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127	Glycopeptide Biosynthesis: \hat{A} Dbv21/Orf2* from dbv/tcp Gene Clusters Are N-Ac-Glm Teicoplanin Pseudoaglycone Deacetylases and Orf15 from cep Gene Cluster Is a Glc-1-P Thymidyltransferase. <i>Journal of the American Chemical Society</i> , 2006, 128, 13694-13695.	6.6	24
128	Dissection of Protein-Protein Interaction and CDK4 Inhibition in the Oncogenic versus Tumor Suppressing Functions of Gankyrin and P16. <i>Journal of Molecular Biology</i> , 2007, 373, 990-1005.	2.0	24
129	PP2A and Aurora differentially modify Cdc13 to promote telomerase release from telomeres at G2/M phase. <i>Nature Communications</i> , 2014, 5, 5312.	5.8	24
130	Protein Arginine Methyltransferase 8: Tetrameric Structure and Protein Substrate Specificity. <i>Biochemistry</i> , 2015, 54, 7514-7523.	1.2	24
131	Serial crystallography captures dynamic control of sequential electron and proton transfer events in a flavoenzyme. <i>Nature Chemistry</i> , 2022, 14, 677-685.	6.6	24
132	Terpenes and sterols of <i>Cunninghamia konishii</i> . <i>Phytochemistry</i> , 1972, 11, 2108-2109.	1.4	23
133	Mechanism of adenylate kinase. 10. Reversing phosphorus stereospecificity by site-directed mutagenesis. <i>Journal of the American Chemical Society</i> , 1991, 113, 5485-5486.	6.6	23
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