Roger S. Goody

List of Publications by Year
in descending order

304 papers	17,678 citations	11908 72 h-index	23173 116 g-index
413 all docs	413 docs citations	413 times ranked	14226 citing authors

#	Article	IF	Citations
1	The Pseudoâ€Natural Product Rhonin Targets RHOGDI. Angewandte Chemie - International Edition, 2022, 61, .	7.2	11
2	The mechanism of activation of the actin binding protein EHBP1 by Rab8 family members. Nature Communications, 2020, 11, 4187.	5.8	18
3	KRasG12C inhibitors in clinical trials: a short historical perspective. RSC Medicinal Chemistry, 2020, 11, 760-770.	1.7	95
4	Mutant-Specific Targeting of Ras G12C Activity by Covalently Reacting Small Molecules. Cell Chemical Biology, 2019, 26, 1338-1348.	2.5	12
5	Multivalency in Rab effector interactions. Small GTPases, 2019, 10, 40-46.	0.7	12
6	Molecular control of Rab activity by GEFs, GAPs and GDI. Small GTPases, 2018, 9, 5-21.	0.7	168
7	Assays for Nucleotide Competitive Reversible and Irreversible Inhibitors of Ras GTPases. Biochemistry, 2018, 57, 4690-4699.	1.2	5
8	Structure of the tandem PX-PH domains of Bem3 from Saccharomyces cerevisiae. Acta Crystallographica Section F, Structural Biology Communications, 2018, 74, 315-321.	0.4	5
9	Nucleotide based covalent inhibitors of KRas can only be efficient in vivo if they bind reversibly with GTP-like affinity. Scientific Reports, 2017, 7, 3687.	1.6	23
10	Mechanisms of action of Rab proteins, key regulators of intracellular vesicular transport. Biological Chemistry, 2017, 398, 565-575.	1.2	59
11	ProximitÃtsâ€vermittelte kovalente Stabilisierung niedrigâ€affiner Proteinkomplexe inâ€…vitro und inâ€…vivo. Angewandte Chemie, 2017, 129, 15943-15947.	1.6	14
12	Proximityâ€Triggered Covalent Stabilization of Lowâ€Affinity Protein Complexes In Vitro and In Vivo. Angewandte Chemie - International Edition, 2017, 56, 15737-15741.	7.2	56
13	Review: Ras GTP ases and myosin: Qualitative conservation and quantitative diversification in signal and energy transduction. Biopolymers, 2016, 105, 422-430.	1.2	10
14	Protease-Resistant and Cell-Permeable Double-Stapled Peptides Targeting the Rab8a GTPase. ACS Chemical Biology, 2016, 11, 2375-2382.	1.6	61
15	A pull-down procedure for the identification of unknown GEFs for small GTPases. Small GTPases, 2016, 7, 93-106.	0.7	12
16	bMERB domains are bivalent Rab8 family effectors evolved by gene duplication. ELife, 2016, 5, .	2.8	51
17	Locking GTPases covalently in their functional states. Nature Communications, 2015, 6, 7773.	5.8	21
18	The structure of the N-terminal domain of the Legionella protein SidC. Journal of Structural Biology, 2014, 186, 188-194.	1.3	17

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19	The role of the hypervariable C-terminal domain in Rab GTPases membrane targeting. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 2572-2577.	3.3	79
20	Direct Targeting of Rabâ€GTPaseâ€“Effector Interactions. Angewandte Chemie - International Edition, 2014, 53, 2498-2503.	7.2	79
21	Î±-Synuclein interacts with the switch region of Rab8a in a Ser129 phosphorylation-dependent manner. Neurobiology of Disease, 2014, 70, 149-161.	2.1	84
22	The Role of Cdc42 and Gic1 in the Regulation of Septin Filament Formation and Dissociation. Biophysical Journal, 2014, 106, 168a.	0.2	0
23	How not to do kinetics: examples involving <scp>GTP</scp>ases and guanine nucleotide exchange factors. FEBS Journal, 2014, 281, 593-600.	2.2	18
24	Reaction Mechanism of Adenylyltransferase DrrA from Legionella pneumophila Elucidated by Time-Resolved Fourier Transform Infrared Spectroscopy. Journal of the American Chemical Society, 2014, 136, 9338-9345.	6.6	10
25	Prenylation of RabGTPases, Their Delivery to Membranes, and Rab Recycling. , 2014, , 3-16.		2
26	Pressure Modulation of Rasâ€“Membrane Interactions and Intervesicle Transfer. Journal of the American Chemical Society, 2013, 135, 6149-6156.	6.6	19
27	Proteinâ€“DNA Arrays as Tools for Detection of Proteinâ€“Protein Interactions by Mass Spectrometry. ChemBioChem, 2013, 14, 92-99.	1.3	11
28	How Bacteria Choose Phosphate. Angewandte Chemie - International Edition, 2013, 52, 2406-2407.	7.2	0
29	RabGEFs are a major determinant for specific Rab membrane targeting. Journal of Cell Biology, 2013, 200, 287-300.	2.3	166
30	Intermediates in the Guanine Nucleotide Exchange Reaction of Rab8 Protein Catalyzed by Guanine Nucleotide Exchange Factors Rabin8 and GRAB. Journal of Biological Chemistry, 2013, 288, 32466-32474.	1.6	55
31	Modulation of Small GTPases by Legionella. Current Topics in Microbiology and Immunology, 2013, 376, 117-133.	0.7	29
32	Membrane extraction of Rab proteins by GDP dissociation inhibitor characterized using attenuated total reflection infrared spectroscopy. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13380-13385.	3.3	31
33	Mechanism of Rab1b deactivation by the Legionella pneumophila GAP LepB. EMBO Reports, 2013, 14, 199-205.	2.0	60
34	Rab GTPase Prenylation Hierarchy and Its Potential Role in Choroideremia Disease. PLoS ONE, 2013, 8, e81758.	1.1	51
35	The role of Cdc42 and Gic1 in the regulation of septin filament formation and dissociation. ELife, 2013, 2, e01085.	2.8	65
36	Specific localization of Rabs at intracellular membranes. Biochemical Society Transactions, 2012, 40, 1421-1425.	1.6	5

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37	Posttranslational modifications of Rab proteins cause effective displacement of GDP dissociation inhibitor. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5621-5626.	3.3	68
38	Quantitative Analysis of Prenylated RhoA Interaction with Its Chaperone, RhoGDI. Journal of Biological Chemistry, 2012, 287, 26549-26562.	1.6	47
39	A toolkit and benchmark study for FRET-restrained high-precision structural modeling. Nature Methods, 2012, 9, 1218-1225.	9.0	400
40	Characterization of Enzymes from Legionella pneumophila Involved in Reversible Adenylylation of Rab1 Protein. Journal of Biological Chemistry, 2012, 287, 35036-35046.	1.6	28
41	Reversible phosphocholination of Rab proteins byLegionella pneumophilaeffector proteins. EMBO Journal, 2012, 31, 1774-1784.	3.5	101
42	Development of Selective, Potent RabGGTase Inhibitors. Journal of Medicinal Chemistry, 2012, 55, 8330-8340.	2.9	34
43	Catalytic mechanism of a mammalian RabÂ·RabGAP complex in atomic detail. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 21348-21353.	3.3	56
44	Direct immobilization of oxyamine-modified proteins from cell lysates. Chemical Communications, 2012, 48, 10829.	2.2	17
45	Flexible and General Synthesis of Functionalized Phosphoisoprenoids for the Study of Prenylation in vivo and in vitro. ChemBioChem, 2012, 13, 674-683.	1.3	15
46	Psoromic Acid is a Selective and Covalent Rab-Prenylation Inhibitor Targeting Autoinhibited RabGGTase. Journal of the American Chemical Society, 2012, 134, 7384-7391.	6.6	49
47	The Original Michaelis Constant: Translation of the 1913 Michaelisâ€“Menten Paper. Biochemistry, 2011, 50, 8264-8269.	1.2	1,008
48	Covalent Coercion by Legionella pneumophila. Cell Host and Microbe, 2011, 10, 89-91.	5.1	28
49	GTPases involved in vesicular trafficking: Structures and mechanisms. Seminars in Cell and Developmental Biology, 2011, 22, 48-56.	2.3	86
50	A structural basis for Lowe syndrome caused by mutations in the Rab-binding domain of OCRL1. EMBO Journal, 2011, 30, 1659-1670.	3.5	80
51	Adenylylation: renaissance of a forgotten post-translational modification. Trends in Biochemical Sciences, 2011, 36, 221-228.	3.7	60
52	Atomic resolution structure of EhpR: phenazine resistance in Enterobacter agglomerans Eh1087 follows principles of bleomycin/mitomycin C resistance in other bacteria. BMC Structural Biology, 2011, 11, 33.	2.3	4
53	Oneâ€Pot Dualâ€Labeling of a Protein by Two Chemoselective Reactions. Angewandte Chemie - International Edition, 2011, 50, 8287-8290.	7.2	40
54	Structureâ€Guided Development of Selective RabGGTase Inhibitors. Angewandte Chemie - International Edition, 2011, 50, 4957-4961.	7.2	23

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55	Efficient Synthesis and Applications of Peptides containing Adenylylated Tyrosine Residues. Angewandte Chemie - International Edition, 2011, 50, 9200-9204.	7.2	21
56	Inteinâ€Mediated Construction of a Library of Fluorescent Rab GTPase Probes. ChemBioChem, 2011, 12, 2813-2821.	1.3	2
57	Organization and Function of the Rab Prenylation and Recycling Machinery. The Enzymes, 2011, , 147-162.	0.7	1
58	Identification and characterisation of novel Mss4-binding Rab GTPases. Biological Chemistry, 2011, 392, 239-48.	1.2	19
59	The versatile Legionella effector protein DrrA. Communicative and Integrative Biology, 2011, 4, 72-74.	0.6	13
60	Protein LidA from Legionella is a Rab GTPase supereffector. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 17945-17950.	3.3	72
61	The Role of the Cytoskeleton in Transport and Release of Insulin-Containing Granules by Pancreatic Î²-Cells. , 2011, , 83-95.		0
62	Inhibition of Rab Prenylation. The Enzymes, 2011, 30, 179-203.	0.7	0
63	The versatile Legionella effector protein DrrA. Communicative and Integrative Biology, 2011, 4, 72-4.	0.6	9
64	Understanding and Exploiting Protein Prenyltransferases. ChemBioChem, 2010, 11, 1194-1201.	1.3	50
65	Oriented Immobilization of Farnesylated Proteins by the Thiolâ€Ene Reaction. Angewandte Chemie - International Edition, 2010, 49, 1252-1257.	7.2	93
66	A Highly Efficient Strategy for Modification of Proteins at the Câ€...Terminus. Angewandte Chemie - International Edition, 2010, 49, 9417-9421.	7.2	66
67	Semisynthesis of human thymidine monophosphate kinase. Biopolymers, 2010, 94, 433-440.	1.2	2
68	Probing protein function by chemical modification. Journal of Peptide Science, 2010, 16, 514-523.	0.8	33
69	Highâ€affinity binding of phosphatidylinositol 4â€phosphate by Legionella pneumophila DrrA. EMBO Reports, 2010, 11, 598-604.	2.0	92
70	HIV-1 Nef membrane association depends on charge, curvature, composition and sequence. Nature Chemical Biology, 2010, 6, 46-53.	3.9	88
71	Membrane targeting mechanism of Rab GTPases elucidated by semisynthetic protein probes. Nature Chemical Biology, 2010, 6, 534-540.	3.9	119
72	Effects of hydrostatic pressure on the conformational equilibrium of tryptophan synthase from Salmonella typhimurium. Annals of the New York Academy of Sciences, 2010, 1189, 95-103.	1.8	2

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73	The Legionella Effector Protein DrrA AMPylates the Membrane Traffic Regulator Rab1b. Science, 2010, 329, 946-949.	6.0	319
74	Biophysical Analysis of the Interaction of Rab6a GTPase with Its Effector Domains. Journal of Biological Chemistry, 2009, 284, 2628-2635.	1.6	44
75	Structure of the Disordered C Terminus of Rab7 GTPase Induced by Binding to the Rab Geranylgeranyl Transferase Catalytic Complex Reveals the Mechanism of Rab Prenylation. Journal of Biological Chemistry, 2009, 284, 13185-13192.	1.6	40
76	InCa-SiteFinder: A method for structure-based prediction of inositol and carbohydrate binding sites on proteins. Journal of Molecular Graphics and Modelling, 2009, 28, 297-303.	1.3	24
77	Analysis of the eukaryotic prenylome by isoprenoid affinity tagging. Nature Chemical Biology, 2009, 5, 227-235.	3.9	160
78	Chaperone-assisted production of active human Rab8A GTPase in Escherichia coli. Protein Expression and Purification, 2009, 65, 190-195.	0.6	27
79	RabGDI Displacement by DrrA from Legionella Is a Consequence of Its Guanine Nucleotide Exchange Activity. Molecular Cell, 2009, 36, 1060-1072.	4.5	160
80	Design, Synthesis, and Characterization of Peptide-Based Rab Geranylgeranyl Transferase Inhibitors. Journal of Medicinal Chemistry, 2009, 52, 8025-8037.	2.9	22
81	Semisynthesis of H-Ras with a glutamic acid methylester at position 61. Biopolymers, 2008, 90, 399-405.	1.2	6
82	Development of Selective RabGGTase Inhibitors and Crystal Structure of a RabGGTaseâ€“Inhibitor Complex. Angewandte Chemie - International Edition, 2008, 47, 3747-3750.	7.2	17
83	Structures of RabGGTaseâ€“substrate/product complexes provide insights into the evolution of protein prenylation. EMBO Journal, 2008, 27, 2444-2456.	3.5	54
84	Key Determinants of Rab Specificity. Structure, 2008, 16, 1437-1439.	1.6	10
85	Farnesylation of the SNARE Protein Ykt6 Increases Its Stability and Helical Folding. Journal of Molecular Biology, 2008, 377, 1334-1345.	2.0	33
86	Information Theory-Based Scoring Function for the Structure-Based Prediction of Proteinâˆ’Ligand Binding Affinity. Journal of Chemical Information and Modeling, 2008, 48, 1990-1998.	2.5	18
87	Cross-Linked Long-Pitch Actin Dimer Forms Stoichiometric Complexes with Gelsolin Segment 1 and/or Deoxyribonuclease I That Nonproductively Interact with Myosin Subfragment 1â€. Biochemistry, 2008, 47, 9335-9343.	1.2	5
88	A Structural Model of the GDP Dissociation Inhibitor Rab Membrane Extraction Mechanism. Journal of Biological Chemistry, 2008, 283, 18377-18384.	1.6	39
89	Sec2 is a Highly Efficient Exchange Factor for the Rab Protein Sec4. Journal of Molecular Biology, 2007, 365, 1359-1367.	2.0	52
90	Interaction analysis of prenylated Rab GTPase with Rab escort protein and GDP dissociation inhibitor explains the need for both regulators. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 12294-12299.	3.3	99

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91	Noncompaction of the Ventricular Myocardium Is Associated with a De Novo Mutation in the Î²-Myosin Heavy Chain Gene. PLoS ONE, 2007, 2, e1362.	1.1	94
92	Functional Immobilization of the Small GTPase Rab6A on DNAâ€“Gold Nanoparticles by Using a Site-Specifically Attached Poly(ethylene glycol) Linker and Thiol Place-Exchange Reaction. ChemBioChem, 2007, 8, 32-36.	1.3	24
93	Exploiting the Substrate Tolerance of Farnesyltransferase for Site-Selective Protein Derivatization. ChemBioChem, 2007, 8, 408-423.	1.3	64
94	A Newly Designed Microspectrofluorometer for Kinetic Studies on Protein Crystals in Combination with X-Ray Diffraction. Biophysical Journal, 2006, 91, 981-992.	0.2	29
95	Identification and Specificity Profiling of Protein Prenyltransferase Inhibitors Using New Fluorescent Phosphoisoprenoids. Journal of the American Chemical Society, 2006, 128, 2822-2835.	6.6	88
96	Rapid Production of Functionalized Recombinant Proteins:â€‰ Marrying Ligation Independent Cloning and in Vitro Protein Ligation. Bioconjugate Chemistry, 2006, 17, 610-617.	1.8	5
97	Protein Arrays as Tools for Detection of Protein-Protein Interactions by Mass Spectrometry. , 2006, , 725-727.		0
98	Structure of doubly prenylated Ypt1:GDI complex and the mechanism of GDI-mediated Rab recycling. EMBO Journal, 2006, 25, 13-23.	3.5	103
99	Nucleotide exchange via local protein unfoldingâ€”structure of Rab8 in complex with MSS4. EMBO Journal, 2006, 25, 1445-1455.	3.5	89
100	A generic building block for C- and N-terminal protein-labeling and protein-immobilization. Bioorganic and Medicinal Chemistry, 2006, 14, 6288-6306.	1.4	32
101	C-Terminal Fluorescence Labeling of Proteins for Interaction Studies on the Single-Molecule Level. ChemBioChem, 2006, 7, 891-895.	1.3	22
102	A Protein Fluorescence Amplifier: Continuous Fluorometric Assay for Rab Geranylgeranyltransferase. ChemBioChem, 2006, 7, 1859-1861.	1.3	26
103	Site-Selective Protein Immobilization by Staudinger Ligation. Angewandte Chemie - International Edition, 2006, 45, 1408-1412.	7.2	136
104	Lipidated Ras and Rab Peptides and Proteinsâ€”Synthesis, Structure, and Function. Angewandte Chemie - International Edition, 2006, 45, 6622-6646.	7.2	137
105	A phosphoryl transfer intermediate in the GTPase reaction of Ras in complex with its GTPase-activating protein. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 13911-13916.	3.3	66
106	A fluorescent in vivo proteinâ€prenylation assay. FASEB Journal, 2006, 20, LB62.	0.2	0
107	Hydrostatic Pressure as a Structural and Mechanistic Probe of Tryptophan Synthase and Tryptophan Indoleâ€lyase. FASEB Journal, 2006, 20, A903.	0.2	0
108	Direct Readout of Protein-Protein Interactions by Mass Spectrometry from Protein-DNA Microarrays. Angewandte Chemie - International Edition, 2005, 44, 7635-7639.	7.2	43

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109	Synthesis of Functionalized Rab GTPases by a Combination of Solution- or Solid-Phase Lipopeptide Synthesis with Expressed Protein Ligation. Chemistry - A European Journal, 2005, 11, 2756-2772.	1.7	32
110	Chemical Biology of Protein Lipidation: Semi-Synthesis and Structure Elucidation of Prenylated RabGTPases. ChemInform, 2005, 36, no.	0.1	0
111	The structural and mechanistic basis for recycling of Rab proteins between membrane compartments. Cellular and Molecular Life Sciences, 2005, 62, 1657-1670.	2.4	126
112	Monitoring the real-time kinetics of the hydrolysis reaction of guanine nucleotide-binding proteins. Biological Chemistry, 2005, 386, 1105-14.	1.2	27
113	Application of Protein Semisynthesis for the Construction of Functionalized Posttranslationally Modified Rab GTPases. Methods in Enzymology, 2005, 403, 29-42.	0.4	7
114	Expressing engineered thymidylate kinase variants in human cells to improve AZT phosphorylation and human immunodeficiency virus inhibition. Journal of General Virology, 2005, 86, 757-764.	1.3	10
115	Guanine Nucleotide Exchange Factors Operate by a Simple Allosteric Competitive Mechanismâ€. Biochemistry, 2005, 44, 15423-15429.	1.2	49
116	Chemical biology of protein lipidation: semi-synthesis and structure elucidation of prenylated RabGTPases. Organic and Biomolecular Chemistry, 2005, 3, 1157.	1.5	18
117	Hydrostatic Pressure Affects the Conformational Equilibrium ofSalmonella typhimuriumTryptophan Synthaseâ€. Biochemistry, 2005, 44, 7921-7928.	1.2	24
118	A genetically encodable microtag for chemo-enzymatic derivatization and purification of recombinant proteins. Protein Expression and Purification, 2005, 39, 71-81.	0.6	16
119	In Vitro Semisynthesis and Applications of C-Terminally Modified Rab Proteins. , 2004, 283, 233-244.		5
120	Synthesis of Fluorescently Labeled Mono- and Diprenylated Rab7 GTPase. Journal of the American Chemical Society, 2004, 126, 16368-16378.	6.6	63
121	Structure of the Rab7:REP-1 Complex. Cell, 2004, 117, 749-760.	13.5	153
122	The missing link in the muscle cross-bridge cycle. Nature Structural and Molecular Biology, 2003, 10, 773-775.	3.6	14
123	Structure of Rab GDP-Dissociation Inhibitor in Complex with Prenylated YPT1 GTPase. Science, 2003, 302, 646-650.	6.0	193
124	Synthesis of proteinâ€“nucleic acid conjugates by expressed protein ligation. Chemical Communications, 2003, , 822-823.	2.2	81
125	Crystallization and preliminary X-ray diffraction analysis of monoprenylated Rab7 GTPase in complex with Rab escort protein 1. Journal of Structural Biology, 2003, 141, 93-95.	1.3	11
126	Structure of Rab Escort Protein-1 in Complex with Rab Geranylgeranyltransferase. Molecular Cell, 2003, 11, 483-494.	4.5	116

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127	Total chemical synthesis of a functional interacting protein pair: The protooncogene H-Ras and the Ras-binding domain of its effector c-Raf1. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 5075-5080.	3.3	57
128	Multiparameter single-molecule fluorescence spectroscopy reveals heterogeneity of HIV-1 reverse transcriptase:primer/template complexes. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 1655-1660.	3.3	224
129	Interaction of Yeast Rab Geranylgeranyl Transferase with Its Protein and Lipid Substratesâ€. Biochemistry, 2002, 41, 6805-6816.	1.2	24
130	Intein-Mediated Synthesis of Geranylgeranylated Rab7 Protein in Vitro. Journal of the American Chemical Society, 2002, 124, 5648-5649.	6.6	61
131	In Vitro Assembly, Purification, and Crystallization of the Rab Geranylgeranyl Transferase:Substrate Complex. Protein Expression and Purification, 2002, 25, 23-30.	0.6	18
132	Fluorescently Labelled Guanine Nucleotide Binding Proteins to Analyse Elementary Steps of GAP-catalysed Reactions. Journal of Molecular Biology, 2002, 324, 763-774.	2.0	21
133	Rab-Subfamily-Specific Regions of Ypt7p Are Structurally Different from Other RabGTPases. Structure, 2002, 10, 569-579.	1.6	36
134	Combining Chemical and Biological Techniques to Produce Modified Proteins. ChemBioChem, 2002, 3, 399.	1.3	38
135	Exchange factors, effectors, GAPs and motor proteins: common thermodynamic and kinetic principles for different functions. European Biophysics Journal, 2002, 31, 268-274.	1.2	67
136	The significance of the free energy of hydrolysis of GTP for signal-transducing and regulatory GTPases. Biophysical Chemistry, 2002, 100, 535-544.	1.5	14
137	Intramolecular Interactions in Protein Tyrosine Phosphatase RPTPÎ¼: Kinetic Evidence. Biochemical and Biophysical Research Communications, 2001, 280, 319-327.	1.0	14
138	Vps9, Rabex-5 and DSS4: proteins with weak but distinct nucleotide-exchange activities for Rab proteins11Edited by J. Karn. Journal of Molecular Biology, 2001, 310, 141-156.	2.0	67
139	Crystallization and Preliminary X-ray Diffraction Analysis of the Rab Escort Protein-1 in Complex with Rab Geranylgeranyltransferase. Journal of Structural Biology, 2001, 136, 158-161.	1.3	6
140	Allosteric Regulation of Substrate Binding and Product Release in Geranylgeranyltransferase Type II. Biochemistry, 2001, 40, 268-274.	1.2	49
141	[3] Fluorescence methods for monitoring interactions of rab proteins with nucleotides, rab escort protein, and geranylgeranyltransferase. Methods in Enzymology, 2001, 329, 14-30.	0.4	17
142	A sensitive fluorescence monitor for the detection of activated Ras: total chemical synthesis of site-specifically labeled Ras binding domain of c-Raf1 immobilized on a surface. Chemistry and Biology, 2001, 8, 243-252.	6.2	21
143	Structure of the N6-adenine DNA methyltransferase M.TaqI in complex with DNA and a cofactor analog. Nature Structural Biology, 2001, 8, 121-125.	9.7	212
144	Double Prenylation by RabGGTase Can Proceed without Dissociation of the Mono-prenylated Intermediate. Journal of Biological Chemistry, 2001, 276, 48631-48636.	1.6	47

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145	Phosphoisoprenoids Modulate Association of Rab Geranylgeranyltransferase with REP-1. Journal of Biological Chemistry, 2001, 276, 48637-48643.	1.6	33
146	Insights into the phosphoryltransfer mechanism of human thymidylate kinase gained from crystal structures of enzyme complexes along the reaction coordinate. Structure, 2000, 8, 629-642.	1.6	96
147	Crystal structure of the GAP domain of Gyp1p: first insights into interaction with Ypt/Rab proteins. EMBO Journal, 2000, 19, 5105-5113.	3.5	88
148	HIV-1 Reverse Transcriptase-Pseudoknot RNA Aptamer Interaction Has a Binding Affinity in the Low Picomolar Range Coupled with High Specificity. Journal of Biological Chemistry, 2000, 275, 18271-18278.	1.6	72
149	Kinetics of the Interaction of Translation Factor SelB fromEscherichia coli with Guanosine Nucleotides and Selenocysteine Insertion Sequence RNA. Journal of Biological Chemistry, 2000, 275, 20458-20466.	1.6	53
150	High-resolution crystal structure of S. cerevisiae Ypt51(Î”C15)-GppNHp, a small GTP-binding protein involved in regulation of endocytosis. Journal of Molecular Biology, 2000, 298, 111-121.	2.0	31
151	Temperature-dependent equilibrium between the open and closed conformation of the p66 subunit of HIV-1 reverse transcriptase revealed by site-directed spin labelling 1 1Edited by W. Baumeister. Journal of Molecular Biology, 2000, 301, 1029-1039.	2.0	50
152	Potentiating AZT activation: structures of wild-type and mutant human thymidylate kinase suggest reasons for the mutantsâ€™ improved kinetics with the HIV prodrug metabolite AZTMP 1 1Edited by J. Karn. Journal of Molecular Biology, 2000, 304, 43-53.	2.0	44
153	Semi-synthetic Rab proteins as tools for studying intermolecular interactions. FEBS Letters, 2000, 468, 155-158.	1.3	39
154	Phosphoisoprenoid Binding Specificity of Geranylgeranyltransferase Type II. Biochemistry, 2000, 39, 12043-12052.	1.2	44
155	New N-2-Labelled Fluorescent Derivatives of Guanosine Nucleotides and Their Interaction with GTP-Binding Proteins. Nucleosides & Nucleotides, 1999, 18, 245-262.	0.5	5
156	A New Potent HIV-1 Reverse Transcriptase Inhibitor. Journal of Biological Chemistry, 1999, 274, 24941-24946.	1.6	63
157	Synthesis of 2â€²-Iodo- and 2â€²-Bromo-ATP and GTP Analogues as Potential Phasing Tools for X-ray Crystallography. Nucleosides & Nucleotides, 1999, 18, 137-151.	0.5	8
158	Modifying Human Thymidylate Kinase to Potentiate Azidothymidine Activation. Journal of Biological Chemistry, 1999, 274, 35289-35292.	1.6	56
159	Design, total chemical synthesis, and binding properties of a [Leu-91-N1-methyl-7-azaTrp]Ras-binding domain of c-Raf-1. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 7865-7870.	3.3	17
160	Characterization of the ternary complex between Rab7, REP-1 and Rab geranylgeranyl transferase. FEBS Journal, 1999, 265, 160-170.	0.2	58
161	The pre-hydrolysis state of p21ras in complex with GTP: new insights into the role of water molecules in the GTP hydrolysis reaction of ras-like proteins. Structure, 1999, 7, 1311-S2.	1.6	186
162	Chemo-Enzymatic Synthesis of Fluorescent Rab 7 Proteins: Tools to Study Vesicular Trafficking in Cells. Angewandte Chemie - International Edition, 1999, 38, 509-512.	7.2	28

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163	Cell-free synthesis of the Ras-binding domain of c-Raf-1: binding studies to fluorescently labelled H-Ras. FEBS Letters, 1999, 452, 375-378.	1.3	3
164	Refined model for primer/template binding by HIV-1 reverse transcriptase: pre-steady-state kinetic analyses of primer/template binding and nucleotide incorporation events distinguish between different binding modes depending on the nature of the nucleic acid substrate 1 1Edited by J. Karn. Journal of Molecular Biology, 1999, 292, 333-344.	2.0	70
165	2â€²Haloâ€ATP and â€GTP analogues: Rational phasing tools for protein crystallography. Protein Science, 1999, 8, 2524-2528.	3.1	4
166	Reply to â€œImproving AZT efficacyâ€. Nature Medicine, 1998, 4, 132-132.	15.2	1
167	Moderate discrimination of REP-1 between Rab7â‹…GDP and Rab7â‹…GTP arises from a difference of an order of magnitude in dissociation rates1. FEBS Letters, 1998, 425, 460-464.	1.3	30
168	Structural basis for efficient phosphorylation of 3'-azidothymidine monophosphate by Escherichia coli thymidylate kinase. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 14045-14050.	3.3	84
169	Analysis of the Polymerization Kinetics of Homodimeric EIAV p51/51 Reverse Transcriptase Implies the Formation of a Polymerase Active Site Identical to Heterodimeric EIAV p66/51 Reverse Transcriptaseâ€. Biochemistry, 1998, 37, 12144-12152.	1.2	19
170	Crystal Structure of Yeast Thymidylate Kinase Complexed with the Bisubstrate Inhibitor P1-(5â€˜-Adenosyl) P5-(5â€˜-Thymidyl) Pentaphosphate (TP5A) at 2.0 Ã… Resolution:â€‰ Implications for Catalysis and AZT Activation,. Biochemistry, 1998, 37, 3677-3686.	1.2	68
171	Pre-Steady-State Kinetic Characterization of RNA-Primed Initiation of Transcription by HIV-1 Reverse Transcriptase and Analysis of the Transition to a Processive DNA-Primed Polymerization Modeâ€. Biochemistry, 1998, 37, 13349-13358.	1.2	48
172	Time-Resolved FTIR Studies of the GTPase Reaction of H-Ras P21 Reveal a Key Role for the Î²-Phosphate. Biochemistry, 1998, 37, 10263-10271.	1.2	93
173	Equine infectious anemia virus transactivator is a homeodomain-type protein 1 1Edited by J. Karn. Journal of Molecular Biology, 1998, 277, 749-755.	2.0	8
174	Transient Kinetic Studies on the Interaction of Ras and the Ras-Binding Domain of c-Raf-1 Reveal Rapid Equilibration of the Complexâ€. Biochemistry, 1998, 37, 14292-14299.	1.2	124
175	[14] Use of caged nucleotides to characterize unstable intermediates by x-ray crystallography. Methods in Enzymology, 1998, 291, 251-264.	0.4	8
176	Nucleotide Hydrolysis-dependent Conformational Changes in p21 as Studied Using ESR Spectroscopy. Journal of Biological Chemistry, 1997, 272, 30103-30107.	1.6	13
177	Kinetic Analysis of Four HIV-1 Reverse Transcriptase Enzymes Mutated in the Primer Grip Region of p66. Journal of Biological Chemistry, 1997, 272, 17581-17587.	1.6	67
178	[24] Triggering methods in crystallographic enzyme kinetics. Methods in Enzymology, 1997, 277, 467-490.	0.4	35
179	GrpE Accelerates Nucleotide Exchange of the Molecular Chaperone DnaK with an Associative Displacement Mechanismâ€. Biochemistry, 1997, 36, 3417-3422.	1.2	175
180	Single-Step Kinetics of HIV-1 Reverse Transcriptase Mutants Responsible for Virus Resistance to Nucleoside Inhibitors Zidovudine and 3-TCâ€. Biochemistry, 1997, 36, 10292-10300.	1.2	135

#	Article	IF	Citations
181	Individual Rate Constants for the Interaction of Ras Proteins with GTPase-Activating Proteins Determined by Fluorescence Spectroscopy. Biochemistry, 1997, 36, 4535-4541.	1.2	135
182	The Interaction of HIV-1 Tat(32-72) with its Target RNA: A Fluorescence and Nuclear Magnetic Resonance Study. Biochemical and Biophysical Research Communications, 1997, 241, 31-36.	1.0	20
183	The signal recognition particle receptor of Escherichia coli (FtsY) has a nucleotide exchange factor built into the GTPase domain. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 11339-11344.	3.3	82
184	Structure of thymidylate kinase reveals the cause behind the limiting step in AZT activation. Nature Structural Biology, 1997, 4, 601-604.	9.7	86
185	The bottleneck in AZT activation. Nature Medicine, 1997, 3, 922-924.	15.2	130
186	Study of the Substrate-Binding Properties of Bovine Liver Adenosine Kinase and Inhibition by Fluorescent Nucleoside Analogues. FEBS Journal, 1997, 248, 930-937.	0.2	11
187	Evaluation of Human Immunodeficiency Virus Type 1 Reverse Transcriptase Primer tRNA Binding by Fluorescence Spectroscopy:Â Specificity and Comparison to Primer/Template Binding. Biochemistry, 1996, 35, 4609-4618.	1.2	56
188	Formation of a Transition-State Analog of the Ras GTPase Reaction by RasÂGDP, Tetrafluoroaluminate, and GTPase-Activating Proteins. Science, 1996, 273, 115-117.	6.0	211
189	Initiation of (-) strand DNA synthesis from tRNA(3Lys) on lentiviral RNAs: implications of specific HIV-1 RNA-tRNA(3Lys) interactions inhibiting primer utilization by retroviral reverse transcriptases.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 10063-10068.	3.3	77
190	Escherichia coli Isocitrate Dehydrogenase Kinase/Phosphatase. Overproduction and Kinetics of Interaction with its Substrates by using Intrinsic Fluorescence and Fluorescent Nucleotide Analogues. FEBS Journal, 1996, 237, 247-254.	0.2	18
191	A two-way structure. Nature, 1996, 380, 483-484.	13.7	3
192	GTPase activity of Rab5 acts as a timer for endocytic membrane fusion. Nature, 1996, 383, 266-269.	13.7	317
193	Kinetics of Interaction of Rab5 and Rab7 with Nucleotides and Magnesium Ions. Journal of Biological Chemistry, 1996, 271, 20470-20478.	1.6	108
194	Human immunodeficiency virus reverse transcriptase substrate-induced conformational changes and the mechanism of inhibition by nonnucleoside inhibitors.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 8046-8049.	3.3	194
195	The influence of ionic strength upon relaxation from rigor induced by flash photolysis of caged-ATP in skinned murine skeletal muscle fibres. Pflugers Archiv European Journal of Physiology, 1995, 430, 994-1003.	1.3	3
196	Rational drug design and HIV: Hopes and limitations. Nature Medicine, 1995, 1, 519-520.	15.2	5
197	Interface Peptides as Structure-based Human Immunodeficiency Virus Reverse Transcriptase Inhibitors. Journal of Biological Chemistry, 1995, 270, 28642-28646.	1.6	29
198	Ligand Binding Properties of Bovine Liver Adenosine Kinase. Nucleosides, Nucleotides and Nucleic Acids, 1995, 14, 473-476.	0.4	1

#	Article	IF	Citations
199	Substrate and Product Structural Requirements for Binding of Nucleotides to H-ras p21: The Mechanism of Discrimination between Guanosine and Adenosine Nucleotides. Biochemistry, 1995, 34, 593-599.	1.2	75
200	Interaction of Guanosine Nucleotides and Their Analogs with Elongation Factor Tu from Thermus thermophilus. Biochemistry, 1995, 34, 12535-12542.	1.2	38
201	Conformational stability of dimeric HIV-1 and HIV-2 reverse transcriptases. Biochemistry, 1995, 34, 16337-16346.	1.2	41
202	Dimerization Kinetics of HIV-1 and HIV-2 Reverse Transcriptase: A Two Step Process. Journal of Molecular Biology, 1995, 245, 508-521.	2.0	72
203	X-ray Crystal Structure Analysis of the Catalytic Domain of the Oncogene Product p21H-rasComplexed with Caged GTP and Mant dGppNHp. Journal of Molecular Biology, 1995, 253, 132-150.	2.0	70
204	Crystallization and preliminary X-ray analysis of UMP/CMP-kinase fromDictyostelium discoideumwith the specific bisubstrate inhibitor P1-(adenosine 5â€²)-P5-(uridine 5â€²)-pentaphosphate (UP5A). FEBS Letters, 1995, 363, 22-24.	1.3	13
205	The Kinetic Mechanism of Ran-Nucleotide Exchange Catalyzed by RCC1. Biochemistry, 1995, 34, 12543-12552.	1.2	219
206	How G proteins turn off. Nature, 1994, 372, 220-221.	13.7	12
207	Crystallographic studies on p21Hâ˜ras using the synchrotron Laue method: improvement of crystal quality and monitoring of the GTPase reaction at different time points. Acta Crystallographica Section D: Biological Crystallography, 1994, 50, 512-520.	2.5	16
208	Crystallization and preliminary X-ray structure analysis of thermally unstable p21Hâ˜ras guanosine complexes. Acta Crystallographica Section D: Biological Crystallography, 1994, 50, 521-526.	2.5	8
209	Intrinsic tryptophan fluorescence of bovine liver adenosine kinase, characterization of ligand binding sites and conformational changes. FEBS Journal, 1994, 221, 839-846.	0.2	17
210	Rapid determination of the affinity of 28- and 14-mer phosphorothioate oligonucleotides for HIV-1 reverse transcriptase by fluorescence spectroscopy. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1993, 1216, 1-8.	2.4	4
211	Characterization of the dimerization process of HIV-1 reverse transcriptase heterodimer using intrinsic protein fluorescence. FEBS Letters, 1993, 324, 153-158.	1.3	41
212	Kinetics of interaction of HIV reverse transcriptase with primer/template. Biochemistry, 1993, 32, 7966-7971.	1.2	49
213	Functional nucleotide-binding domain in the F0F1-ATP synthase .alpha. subunit from the yeast Schizosaccharomyces pombe. Biochemistry, 1993, 32, 10387-10397.	1.2	11
214	Three-dimensional structures and properties of a transforming and a nontransforming glycine-12 mutant of p21H-ras. Biochemistry, 1993, 32, 8411-8420.	1.2	88
215	Excitatory signaling in bacterial probed by caged chemoeffectors. Biophysical Journal, 1993, 65, 2368-2382.	0.2	90
216	4â€²-Thio-oligo-Î²-D-ribonucleotides: synthesis of Î²-4â€²-thio-oligouridylates, nuclease resistance, base pairing properties, and interaction with HIV-1 reverse transcriptase. Nucleic Acids Research, 1993, 21, 1587-1593.	6.5	51

#	Article	IF	Citations
217	Threeâ€Dimensional Structure and Properties of Wildâ€Type and Mutant Hâ€‹ras â€Encoded p21. Novartis Foundation Symposium, 1993, 176, 6-27.	1.2	7
218	Synthetic human tRNAuuuLys3 and natural bovine tRNAsuuLys3 interact with HIV-1 reverse transcriptase and serve as specific primers for retroviral cDNA synthesis. Gene, 1992, 111, 183-197.	1.0	42
219	Template. Phosphorothioate oligonucleotides duplexes as inhibitors of HIV-1 reverse transcriptase. Biochemical and Biophysical Research Communications, 1992, 186, 1249-1256.	1.0	30
220	Studies on the structure and mechanism of H-ras p21. Philosophical Transactions of the Royal Society B: Biological Sciences, 1992, 336, 3-11.	1.8	37
221	RNase H activity of HIV reverse transcriptases is confined exclusively to the dimeric forms. FEBS Letters, 1992, 300, 97-100.	1.3	66
222	Cryo-electron microscopy of vitrified muscle samples. Electron Microscopy Reviews, 1992, 5, 171-192.	1.3	3
223	A new high sensitivity19F probe for labeling cysteine groups of proteins. NMR in Biomedicine, 1992, 5, 347-350.	1.6	24
224	Time-resolved crystallography on H-ras p21. Philosophical Transactions of the Royal Society: Physical and Engineering Sciences, 1992, 340, 263-272.	1.0	11
225	Dynamic X-ray diffraction measurements following photolytic relaxation and activation of skinned rabbit psoas fibres. Advances in Biophysics, 1991, 27, 63-75.	0.6	18
226	Affinity of guanine nucleotide binding proteins for their ligands: facts and artefacts. Trends in Biochemical Sciences, 1991, 16, 327-328.	3.7	65
227	Is there a rate-limiting step before GTP cleavage by H-ras p21?. Biochemistry, 1991, 30, 11181-11185.	1.2	99
228	Interaction of fluorescently labeled dideoxynucleotides with HIV-1 reverse transcriptase. Biochemistry, 1991, 30, 3709-3715.	1.2	72
229	Factors contributing to the inhibition of HIV reverse transcriptase by chain-terminating nucleotides in vitro and in vivo. FEBS Letters, 1991, 291, 1-5.	1.3	86
230	Time-resolved cryo-electron microscopic study of the dissociation of actomyosin induced by photolysis of photolabile nucleotides. Journal of Molecular Biology, 1991, 219, 139-144.	2.0	55
231	<title>Characterization of fluorescence-labeled DNA by time-resolved fluorescence spectroscopy</title>. , 1991, , .		3
232	Light as a trigger for time-resolved structural experiments on muscle, lipids, p21 and bacteriorhodopsin. Journal of Applied Crystallography, 1991, 24, 857-865.	1.9	24
233	Time-resolved X-ray diffraction studies on stretch-activated insect flight muscle. Journal of Muscle Research and Cell Motility, 1991, 12, 208-215.	0.9	8
234	Studies on the Interaction between HIV-1 Reverse Transcriptase and Templateoligo Î±-Thymidylate Duplexes. Nucleosides & Nucleotides, 1991, 10, 325-327.	0.5	3

#	Article	IF	Citations
235	Eine neue Dimension in der Proteinkristallographie. Nachrichten Aus Der Chemie, 1990, 38, 842-850.	0.0	4
236	Time-resolved X-ray crystallographic study of the conformational change in Ha-Ras p21 protein on GTP hydrolysis. Nature, 1990, 345, 309-315.	13.7	520
237	Fluorescence and NMR investigations on the ligand binding properties of adenylate kinases. Biochemistry, 1990, 29, 7440-7450.	1.2	95
238	Kinetics of interaction of nucleotides with nucleotide-free H-ras p21. Biochemistry, 1990, 29, 6058-6065.	1.2	411
239	Stereochemistry and lifetime of the GTP hydrolysis intermediate at the active site of elongation factor Tu from Bacillus stearothermophilus as inferred from the 17O-55Mn superhyperfine interaction. FEBS Journal, 1990, 188, 355-359.	0.2	8
240	Synthesis and Biological Applications of 2',3'-Dideoxynucleoside-5'-O-(Î±-thio)Triphosphates. Nucleosides, Nucleotides and Nucleic Acids, 1989, 8, 849-853.	0.4	4
241	The complex of actin and deoxyribonuclease I as a model system to study the interactions of nucleotides, cations and cytochalasin D with monomeric actin. FEBS Journal, 1989, 182, 267-275.	0.2	27
242	Crystallization and preliminary X-ray analysis of the human c-H-ras-oncogene product p21 complexed with GTP analogues. Journal of Molecular Biology, 1989, 206, 257-259.	2.0	47
243	Rapid Synthesis of 2' and 3' Fluorinated Nucleotides and Their Use in 19F-NMR-Spectroscopy of Nucleotide-Binding Enzymes. Nucleosides, Nucleotides and Nucleic Acids, 1989, 8, 1041-1042.	0.4	3
244	Biochemical and crystallographic characterization of a complex of c-Ha-ras p21 and caged GTP with flash photolysis.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 7687-7690.	3.3	68
245	A DFDL UV picosecond fluorescence spectrometer: Application to aqueous solutions of peptides and nucleotide dye conjugates. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1989, 93, 342-346.	0.9	3
246	Biochemical Properties of Ha-Ras Encoded P21 Mutants. , 1989, , 209-214.		6
247	Kinetics of adenosine 5'-triphosphate and adenosine 5'-diphosphate interaction with G-actin. Biochemistry, 1988, 27, 8613-8617.	1.2	21
248	Kinetics of nucleotide and metal ion interaction with G-actin. Biochemistry, 1988, 27, 1785-1792.	1.2	42
249	Synchrotron radiation studies on insect flight muscle. Topics in Current Chemistry, 1988, , 1-29.	4.0	2
250	The structure of insect flight muscle in the presence of AMPPNP. Journal of Muscle Research and Cell Motility, 1987, 8, 473-503.	0.9	29
251	Relaxation of chemically skinned guinea pig taenia coli smooth muscle from rigor by photolytic release of adenosine-5â€²-triphosphate. Journal of Muscle Research and Cell Motility, 1987, 8, 377-385.	0.9	48
252	Characterisation of the metal-ion-GDP complex at the active sites of transforming and nontransforming p21 proteins by observation of the 17O-Mn superhyperfine coupling and by kinetic methods. FEBS Journal, 1987, 162, 49-55.	0.2	69

#	Article	IF	Citations
253	Simple synthesis and separation of the diastereomers of Î±-thio analogs of ribo- and deoxyribo- di- and triphosphates. Tetrahedron Letters, 1986, 27, 3599-3602.	0.7	26
254	A New Method of DNA Sequencing Using Deoxynucleoside Î±-Thiotriphosphates. DNA and Cell Biology, 1986, 5, 173-177.	5.1	23
255	31P-NMR Studies on ATPÂ·Mg2âŠ•, p21Â·Nucleotide, and Adenylate KinaseÂ·Nucleotide Complexes. Chemical Shifts, Rate and Equilibrium Constants. Biological Chemistry Hoppe-Seyler, 1986, 367, 781-786.	1.4	4
256	31P-NMR spectra of AP4. Research in Experimental Medicine, 1985, 185, 145-150.	0.7	2
257	Guanosine thiophosphate derivatives as substrate analogs for phosphoenolpyruvate carboxykinase. Biochemistry, 1985, 24, 7594-7602.	1.2	17
258	THE INFLUENCE OF METAL ION COMPLEXATION ON31P-NMR PARAMETERS OF PHOSPHOROTHIOATES OF GUANOSINE NUCLEOTIDES. Phosphorous and Sulfur and the Related Elements, 1984, 21, 9-16.	0.2	5
259	Electron-paramagnetic-resonance studies of manganese(II) complexes with elongation factor Tu from Bacillus stearothermophilus. Observation of a GTP hydrolysis intermediate state complex. FEBS Journal, 1984, 141, 591-597.	0.2	21
260	The use of nucleotide phosphorothioate diastereomers to define the structure of metal-nucleotide bound to GTP-AMP and ATP-AMP phosphotransferases from beef-heart mitochondria. FEBS Journal, 1984, 142, 287-289.	0.2	5
261	Kinetics of acto-S1 interaction as a guide to a model for the crossbridge cycle. Journal of Muscle Research and Cell Motility, 1984, 5, 351-361.	0.9	160
262	Structural Investigations of the Mg . ATP Complex at the Active Site of Porcine Adenylate Kinase Using ATP Analogs. FEBS Journal, 1983, 133, 221-227.	0.2	20
263	Stereochemistry of the elongation factor Tu . GTP complex. FEBS Journal, 1983, 135, 237-241.	0.2	33
264	Cross-bridges and the mechanism of muscle contraction. Biochimica Et Biophysica Acta - Reviews on Bioenergetics, 1983, 726, 13-39.	0.8	61
265	The European Molecular Biology Organization/Muscular Dystrophy Association Workshop on the Structure of Actin and Myosin and the Mechanism of their Interaction, Alpbach, March 1983. Journal of Muscle Research and Cell Motility, 1983, 4, 391-394.	0.9	1
266	Co-ordinated electron microscopy and X-ray studies of glycerinated insect flight muscle. I. X-ray diffraction monitoring during preparation for electron microscopy of muscle fibres fixed in rigor, in ATP and in AMPPNP. Journal of Muscle Research and Cell Motility, 1983, 4, 25-53.	0.9	59
267	Co-ordinated electron microscopy and X-ray studies of glycerinated insect flight muscle. II. Electron microscopy and image reconstruction of muscle fibres fixed in rigor, in ATP and in AMPPNP. Journal of Muscle Research and Cell Motility, 1983, 4, 55-81.	0.9	47
268	An improved separation of diastereomers of nucleoside phosphorothioates using reversed-phase high-performance liquid chromatography. Journal of Chromatography A, 1983, 280, 386-389.	1.8	5
269	The Structure of the EF-Tu . GDP . Me2+ Complex. FEBS Journal, 1982, 124, 109-115.	0.2	31
270	A simple and rapid method for the synthesis of nucleoside 5â€²-monophosphates enriched with 17O or 18O on the phosphate group. Analytical Biochemistry, 1982, 119, 322-324.	1.1	12

#	Article	IF	Citations
271	The structure of S1-decorated actin filaments calculated from X-ray diffraction data with phases derived from electron micrographs. Ultramicroscopy, 1982, 9, 37-43.	0.8	14
272	Structural evidence that myosin heads may interact with two sites on F-actin. Nature, 1982, 299, 467-469.	13.7	95
273	Kinetic and Thermodynamic Properties of the Ternary Complex between Fâ€actin, Myosin Subfragment 1 and Adenosine 5â€²â€[Î²,Î³â€imido]triphosphate. FEBS Journal, 1982, 128, 547-555.	0.2	67
274	On the structure of the myosin-ADP-Mg complex. FEBS Letters, 1981, 129, 169-172.	1.3	15
275	The interaction of myosine S1 with phosphorothioates of ADP: An 18O exchange study by 31P NMR. Archives of Biochemistry and Biophysics, 1981, 211, 622-627.	1.4	10
276	18O-Exchange by Hydrolyzing Enzymes: An ab initio Calculation. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 1981, 36, 534-538.	0.6	6
277	Stereochemical aspects of the interaction of myosin and actomyosin with nucleotides. Journal of Muscle Research and Cell Motility, 1980, 1, 101-115.	0.9	77
278	The Interaction of Bovine Pancreatic Deoxyribonuclease I and Skeletal Muscle Actin. FEBS Journal, 1980, 104, 367-379.	0.2	193
279	31 P NMR spectra of thiophosphate analogues of guanosine nucleotides. FEBS Letters, 1980, 121, 211-214.	1.3	14
280	The preparation of thiophosphate analogs of GDP and their interaction with EF-Tu. FEBS Letters, 1979, 102, 269-272.	1.3	15
281	Internal motions in myosin. Biochemistry, 1979, 18, 4238-4244.	1.2	100
282	Selective spin diffusion. A novel method for studying motional properties of biopolymers in solution. FEBS Letters, 1978, 96, 287-290.	1.3	36
283	The ternary complex formed between actin, myosin subfragment 1 and ATP (Î², Î³-NH). FEBS Letters, 1978, 89, 169-172.	1.3	24
284	The Binding Constant of ATP to Myosin S1 Fragment. FEBS Journal, 1977, 78, 317-324.	0.2	72
285	Synthesis and properties of diastereoisomers of adenosine 5'-(O-1-thiotriphosphate) and adenosine 5'-(O-2-thiotriphosphate). Biochemistry, 1976, 15, 1685-1691.	1.2	220
286	X-ray titration of binding of Î², Î³-imido-ATP to myosin in insect flight muscle. Nature, 1976, 262, 613-615.	13.7	51
287	Proteins of Contractile Systems. Annual Review of Biochemistry, 1976, 45, 427-466.	5.0	180
288	Synthetic Inhibitors of Adenylate Kinases in the Assays for ATPases and Phosphokinases. FEBS Journal, 1975, 57, 197-204.	0.2	178

#	Article	IF	Citations
289	Inhibition of platelet aggregation and the platelet release reaction by Î±, ï‰ diadenosine polyphosphates. FEBS Letters, 1975, 54, 57-60.	1.3	61
290	Cross-bridge conformation as revealed by x-ray diffraction studies on insect flight muscles with ATP analogues. Biophysical Journal, 1975, 15, 687-705.	0.2	84
291	Synthesis of ATP from ADP and Inorganic Phosphate at the Myosin-Subfragment 1 Active Site. FEBS Journal, 1974, 48, 287-295.	0.2	73
292	The molecular basis of contractility Part II. Basic Research in Cardiology, 1974, 69, 204-213.	2.5	2
293	The molecular basis of contractility Part I. Basic Research in Cardiology, 1974, 69, 88-104.	2.5	1
294	The magnesium ion-dependent adenosine triphosphatase of myosin. Two-step processes of adenosine triphosphate association and adenosine diphosphate dissociation. Biochemical Journal, 1974, 141, 351-364.	1.7	251
295	Thiophosphate-Analogues and 1-N-Oxides of ATP and ADP in Mitochondrial Translocation and Phosphoryl-Transfer Reactions. FEBS Journal, 1973, 40, 485-491.	0.2	30
296	The crystal and molecular structure of tetrapyridine bis(diethylphosphorothioato)magnesium(II), a model substance for polynucleotide phosphorothioates. Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry, 1973, 29, 2264-2272.	0.4	10
297	Transient Kinetic Studies of the Mg++-dependent ATPase of Myosin and Its Proteolytic Subfragments. Cold Spring Harbor Symposia on Quantitative Biology, 1973, 37, 127-135.	2.0	78
298	The enzymatic synthesis of thiophosphate analogs of nucleotides. Biochimica Et Biophysica Acta - Biomembranes, 1972, 276, 155-161.	1.4	84
299	Thiophosphate analogs of nucleoside di- and triphosphates. Journal of the American Chemical Society, 1971, 93, 6252-6257.	6.6	180
300	Preparation and properties of some cytosine derivatives. Journal of Organic Chemistry, 1971, 36, 727-730.	1.7	11
301	Synthetic analogues of polynucleotides. Part VII. Further syntheses of 5â€²-O-acryloylnucleosides and copolymers of these with other acryloyl compounds. Journal of the Chemical Society C, Organic, 1971, .	0.2	8
302	The permanganate oxidation of cytosine derivatives. Tetrahedron, 1971, 27, 65-69.	1.0	11
303	Nucleosidesâ€”LXVIII. Tetrahedron, 1970, 26, 3883-3903.	1.0	32
304	The Pseudoâ€Natural Product Rhonin Targets RHOGDI. Angewandte Chemie, 0, , .	1.6	2