

Mitsuhiko Ikura

List of Publications by Year in descending order

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275
papers

30,962
citations

5558

82
h-index

4870

168
g-index

319
all docs

319
docs citations

319
times ranked

26050
citing authors

#	ARTICLE	IF	CITATIONS
1	Lung Cancer Driven by BRAFG469V Mutation Is Targetable by EGFR Kinase Inhibitors. <i>Journal of Thoracic Oncology</i> , 2022, 17, 277-288.	0.5	11
2	Regulation of GTPase function by autophosphorylation. <i>Molecular Cell</i> , 2022, 82, 950-968.e14.	4.5	9
3	Hitting the hotspots. <i>Nature Chemical Biology</i> , 2022, 18, 578-579.	3.9	1
4	Structures of RGL1 RAS-Association Domain in Complex with KRAS and the Oncogenic G12V Mutant. <i>Journal of Molecular Biology</i> , 2022, 434, 167527.	2.0	4
5	Oncogenic KRAS G12D mutation promotes dimerization through a second, phosphatidylserine-dependent interface: a model for KRAS oligomerization. <i>Chemical Science</i> , 2021, 12, 12827-12837.	3.7	19
6	The p.E152K-STIM1 mutation deregulates Ca ²⁺ signaling contributing to chronic pancreatitis. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	4
7	Tankyrase regulates epithelial lumen formation via suppression of Rab11 GEFs. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	6
8	The Q61H mutation decouples KRAS from upstream regulation and renders cancer cells resistant to SHP2 inhibitors. <i>Nature Communications</i> , 2021, 12, 6274.	5.8	22
9	Force-induced changes of β -catenin conformation stabilize vascular junctions independently of vinculin. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	9
10	Coordination of a Single Calcium Ion in the EF-hand Maintains the Off State of the Stromal Interaction Molecule Luminal Domain. <i>Journal of Molecular Biology</i> , 2020, 432, 367-383.	2.0	12
11	Real-Time In-Cell NMR Reveals the Intracellular Modulation of GTP-Bound Levels of RAS. <i>Cell Reports</i> , 2020, 32, 108074.	2.9	26
12	NMR in integrated biophysical drug discovery for RAS: past, present, and future. <i>Journal of Biomolecular NMR</i> , 2020, 74, 531-554.	1.6	9
13	Multivalent assembly of KRAS with the RAS-binding and cysteine-rich domains of CRAF on the membrane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 12101-12108.	3.3	46
14	Two Distinct Structures of Membrane-Associated Homodimers of GTP- and GDP-Bound KRAS4B Revealed by Paramagnetic Relaxation Enhancement. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11037-11045.	7.2	62
15	Calmodulin disrupts plasma membrane localization of farnesylated KRAS4b by sequestering its lipid moiety. <i>Science Signaling</i> , 2020, 13, .	1.6	23
16	Two Distinct Structures of Membrane-Associated Homodimers of GTP- and GDP-Bound KRAS4B Revealed by Paramagnetic Relaxation Enhancement. <i>Angewandte Chemie</i> , 2020, 132, 11130-11138.	1.6	5
17	A Non-Canonical Calmodulin Target Motif Comprising a Polybasic Region and Lipidated Terminal Residue Regulates Localization. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2751.	1.8	17
18	Expression and Purification of Calmodulin for NMR and Other Biophysical Applications. <i>Methods in Molecular Biology</i> , 2019, 1929, 207-221.	0.4	1

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19	Does stromal interaction molecule-1 have five senses?. <i>Cell Calcium</i> , 2019, 77, 79-80.	1.1	5
20	Tyrosyl phosphorylation of KRAS stalls GTPase cycle via alteration of switch I and II conformation. <i>Nature Communications</i> , 2019, 10, 224.	5.8	66
21	Structural elements of stromal interaction molecule function. <i>Cell Calcium</i> , 2018, 73, 88-94.	1.1	30
22	Multiplexed Real-Time NMR GTPase Assay for Simultaneous Monitoring of Multiple Guanine Nucleotide Exchange Factor Activities from Human Cancer Cells and Organoids. <i>Journal of the American Chemical Society</i> , 2018, 140, 4473-4476.	6.6	9
23	Force-dependent allostery of the $\hat{\pm}$ -catenin actin-binding domain controls adherens junction dynamics and functions. <i>Nature Communications</i> , 2018, 9, 5121.	5.8	86
24	Inhibition of K-RAS4B by a Unique Mechanism of Action: Stabilizing Membrane-Dependent Occlusion of the Effector-Binding Site. <i>Cell Chemical Biology</i> , 2018, 25, 1327-1336.e4.	2.5	72
25	Backbone resonance assignments of the F-actin binding domain of mouse $\hat{\pm}$ N-catenin. <i>Biomolecular NMR Assignments</i> , 2017, 11, 21-24.	0.4	1
26	Evolution of AF6-RAS association and its implications in mixed-lineage leukemia. <i>Nature Communications</i> , 2017, 8, 1099.	5.8	21
27	MARK3-mediated phosphorylation of ARHGEF2 couples microtubules to the actin cytoskeleton to establish cell polarity. <i>Science Signaling</i> , 2017, 10, .	1.6	52
28	Inhibition of RAS function through targeting an allosteric regulatory site. <i>Nature Chemical Biology</i> , 2017, 13, 62-68.	3.9	237
29	Store operated calcium entry: From concept to structural mechanisms. <i>Cell Calcium</i> , 2017, 63, 3-7.	1.1	39
30	From Stores to Sinks: Structural Mechanisms of Cytosolic Calcium Regulation. <i>Advances in Experimental Medicine and Biology</i> , 2017, 981, 215-251.	0.8	8
31	Biochemical Classification of Disease-associated Mutants of RAS-like Protein Expressed in Many Tissues (RIT1). <i>Journal of Biological Chemistry</i> , 2016, 291, 15641-15652.	1.6	14
32	An interaction between Scribble and the NADPH oxidase complex controls M1 macrophage polarization and function. <i>Nature Cell Biology</i> , 2016, 18, 1244-1252.	4.6	41
33	Multiple Calmodulin-binding Sites Positively and Negatively Regulate Arabidopsis CYCLIC NUCLEOTIDE-GATED CHANNEL12. <i>Plant Cell</i> , 2016, 28, tpc.00870.2015.	3.1	81
34	Conformational states of syntaxin-1 govern the necessity of N-peptide binding in exocytosis of PC12 cells and <i>Caenorhabditis elegans</i> . <i>Molecular Biology of the Cell</i> , 2016, 27, 669-685.	0.9	13
35	Point mutations of the mTOR-RHEB pathway in renal cell carcinoma. <i>Oncotarget</i> , 2015, 6, 17895-17910.	0.8	63
36	Calmodulin and STIM proteins: Two major calcium sensors in the cytoplasm and endoplasmic reticulum. <i>Biochemical and Biophysical Research Communications</i> , 2015, 460, 5-21.	1.0	61

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37	Real-time NMR monitoring of biological activities in complex physiological environments. <i>Current Opinion in Structural Biology</i> , 2015, 32, 39-47.	2.6	63
38	Forkhead followed by disordered tail: The intrinsically disordered regions of FOXO3a. <i>Intrinsically Disordered Proteins</i> , 2015, 3, e1056906.	1.9	14
39	Missense mutation in immunodeficient patients shows the multifunctional roles of coiled-coil domain 3 (CC3) in STIM1 activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 6206-6211.	3.3	52
40	Oncogenic and RASopathy-associated K-RAS mutations relieve membrane-dependent occlusion of the effector-binding site. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 6625-6630.	3.3	191
41	Structural Determinants of the Mechanical Stability of β -Catenin. <i>Journal of Biological Chemistry</i> , 2015, 290, 18890-18903.	1.6	31
42	Structural insights into endoplasmic reticulum stored calcium regulation by inositol 1,4,5-trisphosphate and ryanodine receptors. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 1980-1991.	1.9	57
43	p120RasGAP Is a Mediator of Rho Pathway Activation and Tumorigenicity in the DLD1 Colorectal Cancer Cell Line. <i>PLoS ONE</i> , 2014, 9, e86103.	1.1	15
44	A Coiled-coil Clamp Controls Both Conformation and Clustering of Stromal Interaction Molecule 1 (STIM1). <i>Journal of Biological Chemistry</i> , 2014, 289, 33231-33244.	1.6	105
45	Structure-guided Mutation of the Conserved G3-box Glycine in Rheb Generates a Constitutively Activated Regulator of Mammalian Target of Rapamycin (mTOR). <i>Journal of Biological Chemistry</i> , 2014, 289, 12195-12201.	1.6	18
46	Largen: A Molecular Regulator of Mammalian Cell Size Control. <i>Molecular Cell</i> , 2014, 53, 904-915.	4.5	30
47	Intracellular calcium channels: Inositol-1,4,5-trisphosphate receptors. <i>European Journal of Pharmacology</i> , 2014, 739, 39-48.	1.7	38
48	Integrated RAS signaling defined by parallel NMR detection of effectors and regulators. <i>Nature Chemical Biology</i> , 2014, 10, 223-230.	3.9	80
49	The RhoGEF GEF-H1 Is Required for Oncogenic RAS Signaling via KSR-1. <i>Cancer Cell</i> , 2014, 25, 181-195.	7.7	76
50	Mechanistic insight into GPCR-mediated activation of the microtubule-associated RhoA exchange factor GEF-H1. <i>Nature Communications</i> , 2014, 5, 4857.	5.8	49
51	Structure and Function of the mTOR Activator Rheb. , 2014, , 281-324.		1
52	Transcriptional/epigenetic regulator CBP/p300 in tumorigenesis: structural and functional versatility in target recognition. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 3989-4008.	2.4	239
53	Structure and Function of Endoplasmic Reticulum STIM Calcium Sensors. <i>Current Topics in Membranes</i> , 2013, 71, 59-93.	0.5	24
54	Initial activation of STIM1, the regulator of store-operated calcium entry. <i>Nature Structural and Molecular Biology</i> , 2013, 20, 973-981.	3.6	175

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55	High-resolution structure of TBP with TAF1 reveals anchoring patterns in transcriptional regulation. <i>Nature Structural and Molecular Biology</i> , 2013, 20, 1008-1014.	3.6	66
56	Monomeric β -catenin links cadherin to the actin cytoskeleton. <i>Nature Cell Biology</i> , 2013, 15, 261-273.	4.6	180
57	An Autoinhibited Structure of β -Catenin and Its Implications for Vinculin Recruitment to Adherens Junctions. <i>Journal of Biological Chemistry</i> , 2013, 288, 15913-15925.	1.6	110
58	Type 2 Ryanodine Receptor Domain A Contains a Unique and Dynamic β -Helix That Transitions to a β -Strand in a Mutant Linked with a Heritable Cardiomyopathy. <i>Journal of Molecular Biology</i> , 2013, 425, 4034-4046.	2.0	38
59	Ryanodine receptor calcium release channels: lessons from structure-function studies. <i>FEBS Journal</i> , 2013, 280, 5456-5470.	2.2	54
60	Interaction Domains of Sos1/Grb2 Are Finely Tuned for Cooperative Control of Embryonic Stem Cell Fate. <i>Cell</i> , 2013, 152, 1008-1020.	13.5	53
61	Membrane-Dependent Modulation of the mTOR Activator Rheb: NMR Observations of a GTPase Tethered to a Lipid-Bilayer Nanodisc. <i>Journal of the American Chemical Society</i> , 2013, 135, 3367-3370.	6.6	64
62	STIM1/Orai1 coiled-coil interplay in the regulation of store-operated calcium entry. <i>Nature Communications</i> , 2013, 4, 2963.	5.8	179
63	A Ca ²⁺ -dependent Mechanism of Neuronal Survival Mediated by the Microtubule-associated Protein p600. <i>Journal of Biological Chemistry</i> , 2013, 288, 24452-24464.	1.6	48
64	CaBP1, a neuronal Ca ²⁺ sensor protein, inhibits inositol trisphosphate receptors by clamping intersubunit interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 8507-8512.	3.3	37
65	NMR-based functional profiling of RASopathies and oncogenic RAS mutations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 4574-4579.	3.3	206
66	Structural aspects of calcium-release activated calcium channel function. <i>Channels</i> , 2013, 7, 344-353.	1.5	29
67	A Comparative CEST NMR Study of Slow Conformational Dynamics of Small GTPases Complexed with GTP and GTP Analogues. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10771-10774.	7.2	38
68	Themes and Variations in ER/SR Calcium Release Channels: Structure and Function. <i>Physiology</i> , 2012, 27, 331-342.	1.6	23
69	Structural and functional conservation of key domains in InsP3 and ryanodine receptors. <i>Nature</i> , 2012, 483, 108-112.	13.7	163
70	Structures of KIX domain of CBP in complex with two FOXO3a transactivation domains reveal promiscuity and plasticity in coactivator recruitment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 6078-6083.	3.3	95
71	p120-catenin binding masks an endocytic signal conserved in classical cadherins. <i>Journal of Cell Biology</i> , 2012, 199, 365-380.	2.3	158
72	Structural basis of CBP/p300 recruitment in leukemia induction by E2A-PBX1. <i>Blood</i> , 2012, 120, 3968-3977.	0.6	37

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73	Structural determination of the phosphorylation domain of the ryanodine receptor. FEBS Journal, 2012, 279, 3952-3964.	2.2	42
74	Probing the GTPase cycle with real-time NMR: GAP and GEF activities in cell extracts. Methods, 2012, 57, 473-485.	1.9	38
75	Mechanistic Insight into the Microtubule and Actin Cytoskeleton Coupling through Dynein-Dependent RhoGEF Inhibition. Molecular Cell, 2012, 45, 642-655.	4.5	85
76	Mechanistic Insight into the Microtubule and Actin Cytoskeleton Coupling through Dynein-Dependent RhoGEF Inhibition. Molecular Cell, 2012, 45, 844.	4.5	0
77	An Autoinhibited Noncanonical Mechanism of GTP Hydrolysis by Rheb Maintains mTORC1 Homeostasis. Structure, 2012, 20, 1528-1539.	1.6	31
78	The Signaling Adaptor Gab1 Regulates Cell Polarity by Acting as a PAR Protein Scaffold. Molecular Cell, 2012, 47, 469-483.	4.5	33
79	Molecular structure and target recognition of neuronal calcium sensor proteins. Frontiers in Molecular Neuroscience, 2012, 5, 10.	1.4	21
80	The Three-Dimensional Structure of the Cadherin-Catenin Complex. Sub-Cellular Biochemistry, 2012, 60, 39-62.	1.0	33
81	Themes and Variations in Endoplasmic Reticulum Calcium Release Channels: Structure and Function. Seibutsu Butsuri, 2012, 52, 266-271.	0.0	0
82	STIM1 couples to ORAI1 via an intramolecular transition into an extended conformation. EMBO Journal, 2011, 30, 1678-1689.	3.5	204
83	Auto-inhibitory role of the EF-SAM domain of STIM proteins in store-operated calcium entry. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1337-1342.	3.3	121
84	Molecular basis of photochromism of a fluorescent protein revealed by direct ¹³ C detection under laser illumination. Journal of Biomolecular NMR, 2010, 48, 237-246.	1.6	15
85	Secretion of human superoxide dismutase in <i>Escherichia coli</i> using the condensed single-protein production system. Protein Science, 2010, 19, 2330-2335.	3.1	4
86	The PTB domain of ShcA couples receptor activation to the cytoskeletal regulator IQGAP1. EMBO Journal, 2010, 29, 884-896.	3.5	22
87	Structure and identification of ADP-ribose recognition motifs of APLF and role in the DNA damage response. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 9129-9134.	3.3	79
88	Tyr-167/Trp-168 in Type 1/3 Inositol 1,4,5-Trisphosphate Receptor Mediates Functional Coupling between Ligand Binding and Channel Opening. Journal of Biological Chemistry, 2010, 285, 36081-36091.	1.6	59
89	The N-terminus of hTERT contains a DNA-binding domain and is required for telomerase activity and cellular immortalization. Nucleic Acids Research, 2010, 38, 2019-2035.	6.5	49
90	Real-time NMR Study of Three Small GTPases Reveals That Fluorescent 2â€²-(3â€²-O-(N-Methylanthraniloyl)-tagged Nucleotides Alter Hydrolysis and Exchange Kinetics. Journal of Biological Chemistry, 2010, 285, 5132-5136.	1.6	40

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91	Structural Studies of Inositol 1,4,5-Trisphosphate Receptor. <i>Journal of Biological Chemistry</i> , 2010, 285, 36092-36099.	1.6	48
92	Real-time NMR Study of Guanine Nucleotide Exchange and Activation of RhoA by PDZ-RhoGEF. <i>Journal of Biological Chemistry</i> , 2010, 285, 5137-5145.	1.6	33
93	Dynamic and Static Interactions between p120 Catenin and E-Cadherin Regulate the Stability of Cell-Cell Adhesion. <i>Cell</i> , 2010, 141, 117-128.	13.5	301
94	Partial unfolding and oligomerization of stromal interaction molecules as an initiation mechanism of store operated calcium entry This paper is one of a selection of papers published in this special issue entitled "Canadian Society of Biochemistry, Molecular & Cellular Biology 52nd Annual Meeting" Protein Folding: Principles and Diseases and has undergone the Journal's usual peer review process.. <i>Biochemistry and Cell Biology</i> , 2010, 88, 175-183.	0.9	25
95	Molecular Basis for E-cadherin Recognition by Killer Cell Lectin-like Receptor G1 (KLRG1). <i>Journal of Biological Chemistry</i> , 2009, 284, 27327-27335.	1.6	30
96	Crystal structure of type I ryanodine receptor amino-terminal \hat{I}^2 -trefoil domain reveals a disease-associated mutation "hot spot" loop. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 11040-11044.	3.3	91
97	Inhibitory Mechanism of Escherichia coli RelE-RelB Toxin-Antitoxin Module Involves a Helix Displacement Near an mRNA Interferase Active Site. <i>Journal of Biological Chemistry</i> , 2009, 284, 14628-14636.	1.6	69
98	Stromal Interaction Molecule (STIM) 1 and STIM2 Calcium Sensing Regions Exhibit Distinct Unfolding and Oligomerization Kinetics. <i>Journal of Biological Chemistry</i> , 2009, 284, 728-732.	1.6	162
99	Structural Insights into Ca ²⁺ -dependent Regulation of Inositol 1,4,5-Trisphosphate Receptors by CaBP1. <i>Journal of Biological Chemistry</i> , 2009, 284, 2472-2481.	1.6	51
100	Structurally delineating stromal interaction molecules as the endoplasmic reticulum calcium sensors and regulators of calcium release-activated calcium entry. <i>Immunological Reviews</i> , 2009, 231, 113-131.	2.8	21
101	Characterization of the Intrinsic and TSC2-GAP Regulated GTPase Activity of Rheb by Real-Time NMR. <i>Science Signaling</i> , 2009, 2, ra3.	1.6	55
102	Synergistic Interplay between Promoter Recognition and CBP/p300 Coactivator Recruitment by FOXO3a. <i>ACS Chemical Biology</i> , 2009, 4, 1017-1027.	1.6	36
103	Characterization of a Conserved "Threonine Clasp" in CAP-Gly Domains: Role of a Functionally Critical OH/Î€ Interaction in Protein Recognition. <i>Journal of the American Chemical Society</i> , 2008, 130, 14918-14919.	6.6	12
104	Structural Mechanism of Transcriptional Autorepression of the Escherichia coli RelB/RelE Antitoxin/Toxin Module. <i>Journal of Molecular Biology</i> , 2008, 380, 107-119.	2.0	82
105	Biochemical and Structural Characterization of an Intramolecular Interaction in FOXO3a and Its Binding with p53. <i>Journal of Molecular Biology</i> , 2008, 384, 590-603.	2.0	102
106	Biophysical characterization of the EF-hand and SAM domain containing Ca ²⁺ sensory region of STIM1 and STIM2. <i>Biochemical and Biophysical Research Communications</i> , 2008, 369, 240-246.	1.0	133
107	Structural and Mechanistic Insights into STIM1-Mediated Initiation of Store-Operated Calcium Entry. <i>Cell</i> , 2008, 135, 110-122.	13.5	402
108	Light-dependent regulation of structural flexibility in a photochromic fluorescent protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 9227-9232.	3.3	150

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109	NMR Investigation of Calmodulin. , 2008, , 503-516.		3
110	Calcium Indicators Based on Calmodulin-Fluorescent Protein Fusions. , 2007, 352, 71-82.		11
111	Molecular Basis of the Isoform-specific Ligand-binding Affinity of Inositol 1,4,5-Trisphosphate Receptors. <i>Journal of Biological Chemistry</i> , 2007, 282, 12755-12764.	1.6	116
112	Functional Silencing of TATA-binding Protein (TBP) by a Covalent Linkage of the N-terminal Domain of TBP-associated Factor 1. <i>Journal of Biological Chemistry</i> , 2007, 282, 22228-22238.	1.6	11
113	Structural aspects of calcium-binding proteins and their interactions with targets. <i>New Comprehensive Biochemistry</i> , 2007, , 95-123.	0.1	1
114	Crystallographic Evidence for Water-assisted Photo-induced Peptide Cleavage in the Stony Coral Fluorescent Protein Kaede. <i>Journal of Molecular Biology</i> , 2007, 372, 918-926.	2.0	81
115	Ligand-induced Conformational Changes via Flexible Linkers in the Amino-terminal region of the Inositol 1,4,5-Trisphosphate Receptor. <i>Journal of Molecular Biology</i> , 2007, 373, 1269-1280.	2.0	46
116	CLIP170 autoinhibition mimics intermolecular interactions with p150Glued or EB1. <i>Nature Structural and Molecular Biology</i> , 2007, 14, 980-981.	3.6	41
117	Structural Characterization of a Blue Chromoprotein and Its Yellow Mutant from the Sea Anemone <i>Cnidopus Japonicus</i> . <i>Journal of Biological Chemistry</i> , 2006, 281, 37813-37819.	1.6	38
118	NMR-driven secondary and tertiary structure model of Ca ²⁺ -loaded calyculin. <i>Biochemical and Biophysical Research Communications</i> , 2006, 343, 520-524.	1.0	2
119	Bacterial histidine kinase as signal sensor and transducer. <i>International Journal of Biochemistry and Cell Biology</i> , 2006, 38, 307-312.	1.2	57
120	Characterization of Dual Substrate Binding Sites in the Homodimeric Structure of Escherichia coli mRNA Interferase MazF. <i>Journal of Molecular Biology</i> , 2006, 357, 139-150.	2.0	54
121	Ca ²⁺ as a Second Messenger New Reporters for Calcium (Cameleons and Camgaroos). , 2006, , 307-315.		0
122	The acute myeloid leukemia fusion protein AML1-ETO targets E proteins via a paired amphipathic helix-like TBP-associated factor homology domain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 10242-10247.	3.3	40
123	Genetic polymorphism and protein conformational plasticity in the calmodulin superfamily: Two ways to promote multifunctionality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 1159-1164.	3.3	248
124	Stored Ca ²⁺ Depletion-induced Oligomerization of Stromal Interaction Molecule 1 (STIM1) via the EF-SAM Region. <i>Journal of Biological Chemistry</i> , 2006, 281, 35855-35862.	1.6	353
125	Structural characterization of Escherichia coli sensor histidine kinase EnvZ: the periplasmic C-terminal core domain is critical for homodimerization. <i>Biochemical Journal</i> , 2005, 385, 255-264.	1.7	15
126	The LxxLL motif: a multifunctional binding sequence in transcriptional regulation. <i>Trends in Biochemical Sciences</i> , 2005, 30, 66-69.	3.7	196

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127	Resonance Assignments of 30ÅkDa Complexes of TFIID Subunit TAF1 with TATA-binding Protein. <i>Journal of Biomolecular NMR</i> , 2005, 33, 76-76.	1.6	2
128	Structural Analysis of Mg ²⁺ and Ca ²⁺ Binding to CaBP1, a Neuron-specific Regulator of Calcium Channels. <i>Journal of Biological Chemistry</i> , 2005, 280, 37461-37470.	1.6	75
129	Mg ²⁺ and Ca ²⁺ Differentially Regulate DNA Binding and Dimerization of DREAM. <i>Journal of Biological Chemistry</i> , 2005, 280, 18008-18014.	1.6	95
130	Crystal Structure of the Ligand Binding Suppressor Domain of Type 1 Inositol 1,4,5-Trisphosphate Receptor. <i>Molecular Cell</i> , 2005, 17, 193-203.	4.5	152
131	Structural Basis for the Activation of Microtubule Assembly by the EB1 and p150Glued Complex. <i>Molecular Cell</i> , 2005, 19, 449-460.	4.5	121
132	Probing nucleotide-binding effects on backbone dynamics and folding of the nucleotide-binding domain of the sarcoplasmic/endoplasmic-reticulum Ca ²⁺ -ATPase. <i>Biochemical Journal</i> , 2004, 379, 235-242.	1.7	11
133	FRET evidence for a conformational change in TFIIB upon TBP-DNA binding. <i>FEBS Journal</i> , 2004, 271, 792-800.	0.2	14
134	Cold-shock induced high-yield protein production in <i>Escherichia coli</i> . <i>Nature Biotechnology</i> , 2004, 22, 877-882.	9.4	307
135	Structural insights into the regulatory mechanism of IP3 receptor. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2004, 1742, 89-102.	1.9	102
136	The cadherin-catenin complex as a focal point of cell adhesion and signalling: new insights from three-dimensional structures. <i>BioEssays</i> , 2004, 26, 497-511.	1.2	153
137	Radixin: cytoskeletal adopter and signaling protein. <i>International Journal of Biochemistry and Cell Biology</i> , 2004, 36, 2131-2136.	1.2	40
138	Structural and Functional Characterization on the Interaction of Yeast TFIID Subunit TAF1 with TATA-binding Protein. <i>Journal of Molecular Biology</i> , 2004, 339, 681-693.	2.0	37
139	Probing Zn ²⁺ -binding effects on the zinc-ribbon domain of human general transcription factor TFIIB. <i>Biochemical Journal</i> , 2004, 378, 317-324.	1.7	16
140	Domain fusion analysis by applying relational algebra to protein sequence and domain databases. <i>BMC Bioinformatics</i> , 2003, 4, 16.	1.2	15
141	A fluorescent cassette-based strategy for engineering multiple domain fusion proteins. <i>BMC Biotechnology</i> , 2003, 3, 8.	1.7	37
142	Conformational Coupling of Mg ²⁺ and Ca ²⁺ on the Three-State Folding of Calnexin. <i>Biochemistry</i> , 2003, 42, 5531-5539.	1.2	12
143	Insights into a Single Rod-like Helix in Activated Radixin Required for Membrane Cytoskeletal Cross-Linking. <i>Biochemistry</i> , 2003, 42, 11634-11641.	1.2	25
144	Nuclear Magnetic Resonance-Based Dissection of a Glycosyltransferase Specificity for the Mucin MUC1 Tandem Repeat. <i>Biochemistry</i> , 2003, 42, 13817-13825.	1.2	17

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145	Structural Basis for Simultaneous Binding of Two Carboxy-terminal Peptides of Plant Glutamate Decarboxylase to Calmodulin. <i>Journal of Molecular Biology</i> , 2003, 328, 193-204.	2.0	100
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