Mitsuhiko Ikura

List of Publications by Year
in descending order

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275	30,962	5558	4870
papers	citations	82 h-index	168 g-index

319	319	319	26050
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fluorescent indicators for Ca2+based on green fluorescent proteins and calmodulin. Nature, 1997, 388, 882-887.	13.7	3,053
2	Solution structure of a calmodulin-target peptide complex by multidimensional NMR. Science, 1992, 256, 632-638.	6.0	1,381
3	Backbone dynamics of calmodulin studied by nitrogen-15 relaxation using inverse detected two-dimensional NMR spectroscopy: the central helix is flexible. Biochemistry, 1992, 31, 5269-5278.	1.2	969
4	A novel approach for sequential assignment of proton, carbon-13, and nitrogen-15 spectra of larger proteins: heteronuclear triple-resonance three-dimensional NMR spectroscopy. Application to calmodulin. Biochemistry, 1990, 29, 4659-4667.	1.2	926
5	Molecular and Structural Basis of Target Recognition by Calmodulin. Annual Review of Biophysics and Biomolecular Structure, 1995, 24, 85-116.	18.3	722
6	Calcium-induced conformational transition revealed by the solution structure of apo calmodulin. Nature Structural and Molecular Biology, 1995, 2, 758-767.	3.6	690
7	Calmodulin in Action. Cell, 2002, 108, 739-742.	13.5	662
8	Structural basis of calcium-induced E-cadherin rigidification and dimerization. Nature, 1996, 380, 360-364.	13.7	660
9	Calcium binding and conformational response in EF-hand proteins. Trends in Biochemical Sciences, 1996, 21, 14-17.	3.7	611
10	MazF Cleaves Cellular mRNAs Specifically at ACA to Block Protein Synthesis in Escherichia coli. Molecular Cell, 2003, 12, 913-923.	4.5	511
11	Calmodulin target database. Journal of Structural and Functional Genomics, 2000, 1, 8-14.	1.2	500
12	Molecular mechanics of calciumâ€“myristoyl switches. Nature, 1997, 389, 198-202.	13.7	492
13	Rapid recording of 2D NMR spectra without phase cycling. Application to the study of hydrogen exchange in proteins. Journal of Magnetic Resonance, 1989, 85, 393-399.	0.5	450
14	Cadherins in embryonic and neural morphogenesis. Nature Reviews Molecular Cell Biology, 2000, 1, 91-100.	16.1	425
15	Solution structure of the epithelial cadherin domain responsible for selective cell adhesion. Science, 1995, 267, 386-389.	6.0	407
16	Structural and Mechanistic Insights into STIM1-Mediated Initiation of Store-Operated Calcium Entry. Cell, 2008, 135, 110-122.	13.5	402
17	An efficient 3D NMR technique for correlating the proton and15N backbone amide resonances with the Î±-carbon of the preceding residue in uniformly15N/13C enriched proteins. Journal of Biomolecular NMR, 1991, 1, 99-104.	1.6	364
18	Stored Ca2+ Depletion-induced Oligomerization of Stromal Interaction Molecule 1 (STIM1) via the EF-SAM Region. Journal of Biological Chemistry, 2006, 281, 35855-35862.	1.6	353

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19	Sequestration of the membrane-targeting myristoyl group of recoverin in the calcium-free state. Nature, 1995, 376, 444-447.	13.7	335
20	The use of FRET imaging microscopy to detect proteinâ€“protein interactions and protein conformational changes in vivo. Current Opinion in Structural Biology, 2001, 11, 573-578.	2.6	327
21	Structure of the inositol 1,4,5-trisphosphate receptor binding core in complex with its ligand. Nature, 2002, 420, 696-700.	13.7	309
22	Cold-shock induced high-yield protein production in Escherichia coli. Nature Biotechnology, 2004, 22, 877-882.	9.4	307
23	Dynamic and Static Interactions between p120 Catenin and E-Cadherin Regulate the Stability of Cell-Cell Adhesion. Cell, 2010, 141, 117-128.	13.5	301
24	Isotope-filtered 2D NMR of a protein-peptide complex: study of a skeletal muscle myosin light chain kinase fragment bound to calmodulin. Journal of the American Chemical Society, 1992, 114, 2433-2440.	6.6	299
25	Photo-Induced Peptide Cleavage in the Green-to-Red Conversion of a Fluorescent Protein. Molecular Cell, 2003, 12, 1051-1058.	4.5	276
26	DREAM Is a Critical Transcriptional Repressor for Pain Modulation. Cell, 2002, 108, 31-43.	13.5	274
27	NMR structure of the histidine kinase domain of the E. coli osmosensor EnvZ. Nature, 1998, 396, 88-92.	13.7	248
28	Genetic polymorphism and protein conformational plasticity in the calmodulin superfamily: Two ways to promote multifunctionality. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 1159-1164.	3.3	248
29	Diversity of conformational states and changes within the EF-hand protein superfamily. , 1999, 37, 499-507.		243
30	Transcriptional/epigenetic regulator CBP/p300 in tumorigenesis: structural and functional versatility in target recognition. Cellular and Molecular Life Sciences, 2013, 70, 3989-4008.	2.4	239
31	Inhibition of RAS function through targeting an allosteric regulatory site. Nature Chemical Biology, 2017, 13, 62-68.	3.9	237
32	Solution structure of the homodimeric core domain of Escherichia coli histidine kinase EnvZ. Nature Structural Biology, 1999, 6, 729-734.	9.7	228
33	A novel target recognition revealed by calmodulin in complex with Ca2+-calmodulin-dependent kinase kinase. Nature Structural Biology, 1999, 6, 819-824.	9.7	228
34	Solution Structure of a TBPâ€“TAFII230 Complex. Cell, 1998, 94, 573-583.	13.5	207
35	NMR-based functional profiling of RASopathies and oncogenic RAS mutations. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4574-4579.	3.3	206
36	Three-dimensional triple-resonance NMR spectroscopy of isotopically enriched proteins. Journal of Magnetic Resonance, 1990, 89, 496-514.	0.5	205

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37	STIM1 couples to ORAI1 via an intramolecular transition into an extended conformation. EMBO Journal, 2011, 30, 1678-1689.	3.5	204
38	Proton-proton correlation via carbon-carbon couplings: a three-dimensional NMR approach for the assignment of aliphatic resonances in proteins labeled with carbon-13. Journal of the American Chemical Society, 1990, 112, 888-889.	6.6	201
39	FRET-based in vivo Ca2+ imaging by a new calmodulin-GFP fusion molecule. Nature Structural Biology, 2001, 8, 1069-1073.	9.7	196
40	The LxxLL motif: a multifunctional binding sequence in transcriptional regulation. Trends in Biochemical Sciences, 2005, 30, 66-69.	3.7	196
41	Secondary structure and side-chain proton and carbon-13 resonance assignments of calmodulin in solution by heteronuclear multidimensional NMR spectroscopy. Biochemistry, 1991, 30, 9216-9228.	1.2	194
42	Oncogenic and RASopathy-associated K-RAS mutations relieve membrane-dependent occlusion of the effector-binding site. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6625-6630.	3.3	191
43	Amino-terminal Myristoylation Induces Cooperative Calcium Binding to Recoverin. Journal of Biological Chemistry, 1995, 270, 4526-4533.	1.6	187
44	Monomeric Î±-catenin links cadherin to the actin cytoskeleton. Nature Cell Biology, 2013, 15, 261-273.	4.6	180
45	STIM1/Orai1 coiled-coil interplay in the regulation of store-operated calcium entry. Nature Communications, 2013, 4, 2963.	5.8	179
46	Initial activation of STIM1, the regulator of store-operated calcium entry. Nature Structural and Molecular Biology, 2013, 20, 973-981.	3.6	175
47	The Bloom syndrome helicase BLM interacts with TRF2 in ALT cells and promotes telomeric DNA synthesis. Human Molecular Genetics, 2002, 11, 3135-3144.	1.4	173
48	Improved solvent suppression in one- and two-dimensional NMR spectra by convolution of time-domain data. Journal of Magnetic Resonance, 1989, 84, 425-430.	0.5	165
49	Crystal Structure of Venus, a Yellow Fluorescent Protein with Improved Maturation and Reduced Environmental Sensitivity. Journal of Biological Chemistry, 2002, 277, 50573-50578.	1.6	165
50	Detection of nuclear Overhauser effects between degenerate amide proton resonances by heteronuclear three-dimensional NMR spectroscopy. Journal of the American Chemical Society, 1990, 112, 9020-9022.	6.6	164
51	Structural and functional conservation of key domains in InsP3 and ryanodine receptors. Nature, 2012, 483, 108-112.	13.7	163
52	Stromal Interaction Molecule (STIM) 1 and STIM2 Calcium Sensing Regions Exhibit Distinct Unfolding and Oligomerization Kinetics. Journal of Biological Chemistry, 2009, 284, 728-732.	1.6	162
53	Crystal Structure of the Amino-terminal Microtubule-binding Domain of End-binding Protein 1 (EB1). Journal of Biological Chemistry, 2003, 278, 36430-36434.	1.6	159
54	p120-catenin binding masks an endocytic signal conserved in classical cadherins. Journal of Cell Biology, 2012, 199, 365-380.	2.3	158

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55	The cadherin-catenin complex as a focal point of cell adhesion and signalling: new insights from three-dimensional structures. BioEssays, 2004, 26, 497-511.	1.2	153
56	Measurement of the exchange rates of rapidly exchanging amide protons: Application to the study of calmodulin and its complex with a myosin light chain kinase fragment. Journal of Biomolecular NMR, 1991, 1, 155-165.	1.6	152
57	Solution structure of Calmodulin-W-7 complex: the basis of diversity in molecular recognition. Journal of Molecular Biology, 1998, 276, 165-176.	2.0	152
58	Crystal Structure of the Ligand Binding Suppressor Domain of Type 1 Inositol 1,4,5-Trisphosphate Receptor. Molecular Cell, 2005, 17, 193-203.	4.5	152
59	Triple-resonance multidimensional NMR study of calmodulin complexed with the binding domain of skeletal muscle myosin light-chain kinase: indication of a conformational change in the central helix. Biochemistry, 1991, 30, 5498-5504.	1.2	150
60	Light-dependent regulation of structural flexibility in a photochromic fluorescent protein. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9227-9232.	3.3	150
61	Three-dimensional Structure of Guanylyl Cyclase Activating Protein-2, a Calcium-sensitive Modulator of Photoreceptor Guanylyl Cyclases. Journal of Biological Chemistry, 1999, 274, 19329-19337.	1.6	143
62	Solution structure of the c-terminal core domain of human TFIIB: Similarity to cyclin A and interaction with TATA-binding protein. Cell, 1995, 82, 857-867.	13.5	134
63	Improved three-dimensional1Hâ^'13Câ^'1H correlation spectroscopy of a13C-labeled protein using constant-time evolution. Journal of Biomolecular NMR, 1991, 1, 299-304.	1.6	133
64	Biophysical characterization of the EF-hand and SAM domain containing Ca2+ sensory region of STIM1 and STIM2. Biochemical and Biophysical Research Communications, 2008, 369, 240-246.	1.0	133
65	The role of calcium-binding proteins in the control of transcription: structure to function. BioEssays, 2002, 24, 625-636.	1.2	132
66	Structural Basis for the Activation of Microtubule Assembly by the EB1 and p150Glued Complex. Molecular Cell, 2005, 19, 449-460.	4.5	121
67	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
68	Calcium-regulated DNA Binding and Oligomerization of the Neuronal Calcium-sensing Protein, Calsenilin/DREAM/KChIP3. Journal of Biological Chemistry, 2001, 276, 41005-41013.	1.6	116
69	Molecular Basis of the Isoform-specific Ligand-binding Affinity of Inositol 1,4,5-Trisphosphate Receptors. Journal of Biological Chemistry, 2007, 282, 12755-12764.	1.6	116
70	Identification of Mg2+-Binding Sites and the Role of Mg2+ on Target Recognition by Calmodulin. Biochemistry, 1997, 36, 4309-4316.	1.2	110
71	An Autoinhibited Structure of Î±-Catenin and Its Implications for Vinculin Recruitment to Adherens Junctions. Journal of Biological Chemistry, 2013, 288, 15913-15925.	1.6	110
72	A Coiled-coil Clamp Controls Both Conformation and Clustering of Stromal Interaction Molecule 1 (STIM1). Journal of Biological Chemistry, 2014, 289, 33231-33244.	1.6	105

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73	How calpain is activated by calcium. Nature Structural Biology, 2002, 9, 239-241.	9.7	103
74	Target-induced conformational adaptation of calmodulin revealed by the crystal structure of a complex with nematode Ca 2+ /calmodulin-dependent kinase kinase peptide 1 1Edited by K. Morikawa. Journal of Molecular Biology, 2001, 312, 59-68.	2.0	102
75	Structural insights into the regulatory mechanism of IP3 receptor. Biochimica Et Biophysica Acta - Molecular Cell Research, 2004, 1742, 89-102.	1.9	102
76	Biochemical and Structural Characterization of an Intramolecular Interaction in FOXO3a and Its Binding with p53. Journal of Molecular Biology, 2008, 384, 590-603.	2.0	102
77	Structural Basis for Simultaneous Binding of Two Carboxy-terminal Peptides of Plant Glutamate Decarboxylase to Calmodulin. Journal of Molecular Biology, 2003, 328, 193-204.	2.0	100
78	Identification and characterization of subfamily-specific signatures in a large protein superfamily by a hidden Markov model approach. BMC Bioinformatics, 2002, 3, 1.	1.2	99
79	Secondary Structure of Myristoylated Recoverin Determined by Three-Dimensional Heteronuclear NMR: Implications for the Calcium-Myristoyl Switch. Biochemistry, 1994, 33, 10743-10753.	1.2	95
80	Mg2+ and Ca2+ Differentially Regulate DNA Binding and Dimerization of DREAM. Journal of Biological Chemistry, 2005, 280, 18008-18014.	1.6	95
81	Structures of KIX domain of CBP in complex with two FOXO3a transactivation domains reveal promiscuity and plasticity in coactivator recruitment. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 6078-6083.	3.3	95
82	Crystal structure of type I ryanodine receptor amino-terminal Î²-trefoil domain reveals a disease-associated mutation â€œhot spotâ€•loop. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 11040-11044.	3.3	91
83	Nuclear magnetic resonance studies on calmodulin: calcium-induced conformational change. Biochemistry, 1983, 22, 2573-2579.	1.2	88
84	Force-dependent allostery of the Î±-catenin actin-binding domain controls adherens junction dynamics and functions. Nature Communications, 2018, 9, 5121.	5.8	86
85	Mechanistic Insight into the Microtubule and Actin Cytoskeleton Coupling through Dynein-Dependent RhoGEF Inhibition. Molecular Cell, 2012, 45, 642-655.	4.5	85
86	Structural Mechanism of Transcriptional Autorepression of the Escherichia coli RelB/RelE Antitoxin/Toxin Module. Journal of Molecular Biology, 2008, 380, 107-119.	2.0	82
87	Nuclear Magnetic Resonance Evidence for Ca2+-induced Extrusion of the Myristoyl Group of Recoverin. Journal of Biological Chemistry, 1995, 270, 30909-30913.	1.6	81
88	Crystallographic Evidence for Water-assisted Photo-induced Peptide Cleavage in the Stony Coral Fluorescent Protein Kaede. Journal of Molecular Biology, 2007, 372, 918-926.	2.0	81
89	Multiple Calmodulin-binding Sites Positively and Negatively Regulate Arabidopsis CYCLIC NUCLEOTIDE-GATED CHANNEL12. Plant Cell, 2016, 28, tpc.00870.2015.	3.1	81
90	Integrated RAS signaling defined by parallel NMR detection of effectors and regulators. Nature Chemical Biology, 2014, 10, 223-230.	3.9	80

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91	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
92	NMR-derived three-dimensional solution structure of protein S complexed with calcium. Structure, 1994, 2, 107-122.	1.6	77
93	Nuclear magnetic resonance studies on calmodulin: calcium-dependent spectral change of proteolytic fragments. Biochemistry, 1984, 23, 3124-3128.	1.2	76
94	The RhoGEF GEF-H1 Is Required for Oncogenic RAS Signaling via KSR-1. Cancer Cell, 2014, 25, 181-195.	7.7	76
95	An alternative 3D NMR technique for correlating backbone 15N with side chain HÎ² resonances in larger proteins. Journal of Magnetic Resonance, 1991, 95, 636-641.	0.5	75
96	Structural Analysis of Mg2+ and Ca2+ Binding to CaBP1, a Neuron-specific Regulator of Calcium Channels. Journal of Biological Chemistry, 2005, 280, 37461-37470.	1.6	75
97	Inhibition of K-RAS4B by a Unique Mechanism of Action: Stabilizing Membrane-Dependent Occlusion of the Effector-Binding Site. Cell Chemical Biology, 2018, 25, 1327-1336.e4.	2.5	72
98	Inhibitory Mechanism of Escherichia coli RelE-RelB Toxin-Antitoxin Module Involves a Helix Displacement Near an mRNA Interferase Active Site. Journal of Biological Chemistry, 2009, 284, 14628-14636.	1.6	69
99	Pre-formation of the semi-open conformation by the apo-calmodulin C-terminal domain and implications for binding IQ-motifs. Nature Structural and Molecular Biology, 1996, 3, 501-504.	3.6	67
100	Lateral self-assembly of E-cadherin directed by cooperative calcium binding. FEBS Letters, 1997, 417, 405-408.	1.3	67
101	Hydrogen bonding in the carboxyl-terminal half-fragment 78-148 of calmodulin as studied by two-dimensional nuclear magnetic resonance. Biochemistry, 1985, 24, 4264-4269.	1.2	66
102	Three-dimensional NOESY-HMQC spectroscopy of a 13C-labeled protein. Journal of Magnetic Resonance, 1990, 86, 204-209.	0.5	66
103	Structure, Topology, and Dynamics of Myristoylated Recoverin Bound to Phospholipid Bilayersâ€. Biochemistry, 2003, 42, 6333-6340.	1.2	66
104	High-resolution structure of TBP with TAF1 reveals anchoring patterns in transcriptional regulation. Nature Structural and Molecular Biology, 2013, 20, 1008-1014.	3.6	66
105	Tyrosyl phosphorylation of KRAS stalls GTPase cycle via alteration of switch I and II conformation. Nature Communications, 2019, 10, 224.	5.8	66
106	Membrane-Dependent Modulation of the mTOR Activator Rheb: NMR Observations of a GTPase Tethered to a Lipid-Bilayer Nanodisc. Journal of the American Chemical Society, 2013, 135, 3367-3370.	6.6	64
107	Point mutations of the mTOR-RHEB pathway in renal cell carcinoma. Oncotarget, 2015, 6, 17895-17910.	0.8	63
108	Real-time NMR monitoring of biological activities in complex physiological environments. Current Opinion in Structural Biology, 2015, 32, 39-47.	2.6	63

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109	Two Distinct Structures of Membraneâ€Associated Homodimers of GTPâ€•and GDPâ€Bound KRAS4B Revealed by Paramagnetic Relaxation Enhancement. Angewandte Chemie - International Edition, 2020, 59, 11037-11045.	7.2	62
110	Calmodulin and STIM proteins: Two major calcium sensors in the cytoplasm and endoplasmic reticulum. Biochemical and Biophysical Research Communications, 2015, 460, 5-21.	1.0	61
111	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
112	Practical aspects of proton-carbon-carbon-proton three-dimensional correlation spectroscopy of 13C-labeled proteins. Journal of Magnetic Resonance, 1990, 87, 620-627.	0.5	58
113	A calmodulin-target peptide hybrid molecule with unique calcium-binding properties. Protein Engineering, Design and Selection, 1994, 7, 109-115.	1.0	57
114	Bacterial histidine kinase as signal sensor and transducer. International Journal of Biochemistry and Cell Biology, 2006, 38, 307-312.	1.2	57
115	Structural insights into endoplasmic reticulum stored calcium regulation by inositol 1,4,5-trisphosphate and ryanodine receptors. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 1980-1991.	1.9	57
116	Characterization of the Intrinsic and TSC2-GAPâ€“Regulated GTPase Activity of Rheb by Real-Time NMR. Science Signaling, 2009, 2, ra3.	1.6	55
117	Characterization of Dual Substrate Binding Sites in the Homodimeric Structure of Escherichia coli mRNA Interferase MazF. Journal of Molecular Biology, 2006, 357, 139-150.	2.0	54
118	Ryanodine receptor calcium release channels: lessons from structureâ€“function studies. FEBS Journal, 2013, 280, 5456-5470.	2.2	54
119	Chemical constitution of safflor yellow B, a quinochalcone c-glycoside from the flower petals of .. Tetrahedron Letters, 1984, 25, 2471-2474.	0.7	53
120	Optimization of Protein Solubility and Stability for Protein Nuclear Magnetic Resonance. Methods in Enzymology, 2001, 339, 20-41.	0.4	53
121	Interaction Domains of Sos1/Grb2 Are Finely Tuned for Cooperative Control of Embryonic Stem Cell Fate. Cell, 2013, 152, 1008-1020.	13.5	53
122	Missense mutation in immunodeficient patients shows the multifunctional roles of coiled-coil domain 3 (CC3) in STIM1 activation. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6206-6211.	3.3	52
123	MARK3-mediated phosphorylation of ARHGEF2 couples microtubules to the actin cytoskeleton to establish cell polarity. Science Signaling, 2017, 10, .	1.6	52
124	Structural Insights into Ca2+-dependent Regulation of Inositol 1,4,5-Trisphosphate Receptors by CaBP1. Journal of Biological Chemistry, 2009, 284, 2472-2481.	1.6	51
125	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
126	Mechanistic insight into GPCR-mediated activation of the microtubule-associated RhoA exchange factor GEF-H1. Nature Communications, 2014, 5, 4857.	5.8	49

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127	Spectroscopic Characterization of a High-Affinity Calmodulinâ˜Target Peptide Hybrid Moleculeâ€. Biochemistry, 1996, 35, 3508-3517.	1.2	48
128	Structural Studies of Inositol 1,4,5-Trisphosphate Receptor. Journal of Biological Chemistry, 2010, 285, 36092-36099.	1.6	48
129	A Ca2+-dependent Mechanism of Neuronal Survival Mediated by the Microtubule-associated Protein p600. Journal of Biological Chemistry, 2013, 288, 24452-24464.	1.6	48
130	Evidence for calmodulin inter-domain compaction in solution induced by W-7 binding. FEBS Letters, 1999, 442, 173-177.	1.3	46
131	Regulatory Mechanism of Ca2+/Calmodulin-dependent Protein Kinase Kinase. Journal of Biological Chemistry, 2000, 275, 20090-20095.	1.6	46
132	Ligand-induced Conformational Changes via Flexible Linkers in the Amino-terminal region of the Inositol 1,4,5-Trisphosphate Receptor. Journal of Molecular Biology, 2007, 373, 1269-1280.	2.0	46
133	Multivalent assembly of KRAS with the RAS-binding and cysteine-rich domains of CRAF on the membrane. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 12101-12108.	3.3	46
134	The design and optimization of complex NMR experiments. Application to a triple-resonance pulse scheme correlating HÎ±, NH, and 15N chemical shifts in 15Nî—¸13C-labeled proteins. Journal of Magnetic Resonance, 1991, 91, 84-92.	0.5	45
135	Structure of calmodulin-target peptide complexes. Current Opinion in Structural Biology, 1993, 3, 838-845.	2.6	45
136	Human General Transcription Factor TFIIB:Â Conformational Variability and Interaction with VP16 Activation Domainâ€. Biochemistry, 1998, 37, 7941-7951.	1.2	44
137	The button test: a small scale method using microdialysis cells for assessing protein solubility at concentrations suitable for NMR. Journal of Biomolecular NMR, 1997, 10, 279-282.	1.6	43
138	Structural determination of the phosphorylation domain of the ryanodine receptor. FEBS Journal, 2012, 279, 3952-3964.	2.2	42
139	Glycinoeclepin A, a natural hatching stimulus for the soybean cyst nematode. Journal of the Chemical Society Chemical Communications, 1985, , 222.	2.0	41
140	CLIP170 autoinhibition mimics intermolecular interactions with p150Glued or EB1. Nature Structural and Molecular Biology, 2007, 14, 980-981.	3.6	41
141	An interaction between Scribble and the NADPH oxidase complex controls M1 macrophage polarization and function. Nature Cell Biology, 2016, 18, 1244-1252.	4.6	41
142	Two-dimensional 1H-N.M.R. studies of cello-oligosaccharides: The utility of multiple-relay chemical-shift-correlated spectroscopy. Carbohydrate Research, 1987, 163, 1-8.	1.1	40
143	Radixin: cytoskeletal adopter and signaling protein. International Journal of Biochemistry and Cell Biology, 2004, 36, 2131-2136.	1.2	40
144	The acute myeloid leukemia fusion protein AML1-ETO targets E proteins via a paired amphipathic helix-like TBP-associated factor homology domain. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 10242-10247.	3.3	40

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145	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
146	Store operated calcium entry: From concept to structural mechanisms. Cell Calcium, 2017, 63, 3-7.	1.1	39
147	A monomeric histidine kinase derived from EnvZ, an Escherichia coli osmosensor. Molecular Microbiology, 2000, 36, 24-32.	1.2	38
148	Structural Characterization of a Blue Chromoprotein and Its Yellow Mutant from the Sea Anemone Cnidopus Japonicus. Journal of Biological Chemistry, 2006, 281, 37813-37819.	1.6	38
149	Probing the GTPase cycle with real-time NMR: GAP and GEF activities in cell extracts. Methods, 2012, 57, 473-485.	1.9	38
150	Type 2 Ryanodine Receptor Domain A Contains a Unique and Dynamic Î±-Helix That Transitions to a Î²-Strand in a Mutant Linked with a Heritable Cardiomyopathy. Journal of Molecular Biology, 2013, 425, 4034-4046.	2.0	38
151	A Comparative CEST NMR Study of Slow Conformational Dynamics of Small GTPases Complexed with GTP and GTP Analogues. Angewandte Chemie - International Edition, 2013, 52, 10771-10774.	7.2	38
152	Intracellular calcium channels: Inositol-1,4,5-trisphosphate receptors. European Journal of Pharmacology, 2014, 739, 39-48.	1.7	38
153	Glycinoeclepins B and C, nortriterpenes related to glycinoeclepin a. Tetrahedron Letters, 1985, 26, 5539-5542.	0.7	37
154	A fluorescent cassette-based strategy for engineering multiple domain fusion proteins. BMC Biotechnology, 2003, 3, 8.	1.7	37
155	Structural and Functional Characterization on the Interaction of Yeast TFIID Subunit TAF1 with TATA-binding Protein. Journal of Molecular Biology, 2004, 339, 681-693.	2.0	37
156	Structural basis of CBP/p300 recruitment in leukemia induction by E2A-PBX1. Blood, 2012, 120, 3968-3977.	0.6	37
157	CaBP1, a neuronal Ca ² ⁺ sensor protein, inhibits inositol trisphosphate receptors by clamping intersubunit interactions. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 8507-8512.	3.3	37
158	Vector Geometry Mapping: A Method to Characterize the Conformation of Helix-Loop-Helix Calcium-Binding Proteins. , 2002, 173, 317-324.		36
159	The ATCUN Domain as a Probe of Intermolecular Interactions:Â Application to Calmodulinâ^'Peptide Complexes. Journal of the American Chemical Society, 2002, 124, 14002-14003.	6.6	36
160	Synergistic Interplay between Promoter Recognition and CBP/p300 Coactivator Recruitment by FOXO3a. ACS Chemical Biology, 2009, 4, 1017-1027.	1.6	36
161	Nuclear magnetic resonance studies on calmodulin: spectral assignments in the calcium-free state. Biochemistry, 1983, 22, 2568-2572.	1.2	34
162	Structure revision of okamurallene and structure elucidation of further C15 non-terpenoid bromoallenes from Laurencia intricata. Phytochemistry, 1989, 28, 2145-2148.	1.4	34

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163	TFIIA-TAF regulatory interplay: NMR evidence for overlapping binding sites on TBP. FEBS Letters, 2000, 468, 149-154.	1.3	34
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