

# Gerhard Wagner

## List of Publications by Year in descending order

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268  
papers

23,816  
citations

6613

79  
h-index

9103

144  
g-index

282  
all docs

282  
docs citations

282  
times ranked

23312  
citing authors

#	ARTICLE	IF	CITATIONS
1	High fidelity sampling schedules for NMR spectra of high dynamic range. <i>Journal of Magnetic Resonance</i> , 2022, 339, 107228.	2.1	4
2	Pre- $\alpha$ T cell receptors topologically sample self-ligands during thymocyte $\hat{I}^2$ -selection. <i>Science</i> , 2021, 371, 181-185.	12.6	25
3	Allosterically Coupled Multisite Binding of Testosterone to Human Serum Albumin. <i>Endocrinology</i> , 2021, 162, .	2.8	14
4	A multi-pronged approach targeting SARS-CoV-2 proteins using ultra-large virtual screening. <i>IScience</i> , 2021, 24, 102021.	4.1	66
5	Cryo-EM structure of an activated GPCR $\hat{C}$ protein complex in lipid nanodiscs. <i>Nature Structural and Molecular Biology</i> , 2021, 28, 258-267.	8.2	71
6	Structural basis of the dynamic human CEACAM1 monomer-dimer equilibrium. <i>Communications Biology</i> , 2021, 4, 360.	4.4	6
7	VirtualFlow Ants $\hat{C}$ Ultra-Large Virtual Screenings with Artificial Intelligence Driven Docking Algorithm Based on Ant Colony Optimization. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5807.	4.1	16
8	A biphenyl inhibitor of eIF4E targeting an internal binding site enables the design of cell-permeable PROTAC-degraders. <i>European Journal of Medicinal Chemistry</i> , 2021, 219, 113435.	5.5	15
9	Deep computational analysis details dysregulation of eukaryotic translation initiation complex eIF4F in human cancers. <i>Cell Systems</i> , 2021, 12, 907-923.e6.	6.2	11
10	A general chemical crosslinking strategy for structural analyses of weakly interacting proteins applied to preTCR $\hat{C}$ pMHC complexes. <i>Journal of Biological Chemistry</i> , 2021, 296, 100255.	3.4	4
11	NUScon: a community-driven platform for quantitative evaluation of nonuniform sampling in NMR. <i>Magnetic Resonance</i> , 2021, 2, 843-861.	1.9	7
12	The Structural Basis for Low Conductance in the Membrane Protein VDAC upon $\hat{I}^2$ -NADH Binding and Voltage Gating. <i>Structure</i> , 2020, 28, 206-214.e4.	3.3	28
13	Conformational gating, dynamics and allostery in human monoacylglycerol lipase. <i>Scientific Reports</i> , 2020, 10, 18531.	3.3	8
14	Modulating TRADD to restore cellular homeostasis and inhibit apoptosis. <i>Nature</i> , 2020, 587, 133-138.	27.8	57
15	Nearest-neighbor NMR spectroscopy: categorizing spectral peaks by their adjacent nuclei. <i>Nature Communications</i> , 2020, 11, 5547.	12.8	10
16	Large Nanodiscs: A Potential Game Changer in Structural Biology of Membrane Protein Complexes and Virus Entry. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 539.	4.1	17
17	The precious fluorine on the ring: fluorine NMR for biological systems. <i>Journal of Biomolecular NMR</i> , 2020, 74, 365-379.	2.8	31
18	An open-source drug discovery platform enables ultra-large virtual screens. <i>Nature</i> , 2020, 580, 663-668.	27.8	345

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19	A newly identified Leishmania IF4E-interacting protein, Leish4E-IP2, modulates the activity of cap-binding protein paralogs. <i>Nucleic Acids Research</i> , 2020, 48, 4405-4417.	14.5	10
20	Accounting of Receptor Flexibility in Ultra-Large Virtual Screens with VirtualFlow Using a Grey Wolf Optimization Method. <i>Supercomputing Frontiers and Innovations</i> , 2020, 7, 4-12.	0.4	7
21	Discovery of small-molecule inhibitors targeting the ribosomal peptidyl transferase center (PTC) of <i>M. tuberculosis</i> . <i>Chemical Science</i> , 2019, 10, 8764-8767.	7.4	10
22	Integrative methods in structural biology. <i>Journal of Biomolecular NMR</i> , 2019, 73, 261-263.	2.8	7
23	Emerging solution NMR methods to illuminate the structural and dynamic properties of proteins. <i>Current Opinion in Structural Biology</i> , 2019, 58, 294-304.	5.7	26
24	Topological analysis of the gp41 MPER on lipid bilayers relevant to the metastable HIV-1 envelope prefusion state. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 22556-22566.	7.1	22
25	Structural characterization of the human membrane protein VDAC2 in lipid bilayers by MAS NMR. <i>Journal of Biomolecular NMR</i> , 2019, 73, 451-460.	2.8	13
26	A nanobody that recognizes a 14-residue peptide epitope in the E2 ubiquitin-conjugating enzyme UBC6e modulates its activity. <i>Molecular Immunology</i> , 2019, 114, 513-523.	2.2	36
27	Aromatic 19F-13C TROSY: a background-free approach to probe biomolecular structure, function, and dynamics. <i>Nature Methods</i> , 2019, 16, 333-340.	19.0	82
28	NMR: an essential structural tool for integrative studies of T cell development, pMHC ligand recognition and TCR mechanobiology. <i>Journal of Biomolecular NMR</i> , 2019, 73, 319-332.	2.8	18
29	Nonuniform Sampling for NMR Spectroscopy. <i>Methods in Enzymology</i> , 2019, 614, 263-291.	1.0	31
30	<sup>15</sup> N detection harnesses the slow relaxation property of nitrogen: Delivering enhanced resolution for intrinsically disordered proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E1710-E1719.	7.1	40
31	Mixed pyruvate labeling enables backbone resonance assignment of large proteins using a single experiment. <i>Nature Communications</i> , 2018, 9, 356.	12.8	13
32	Cytocapsular tubes conduct cell translocation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E1137-E1146.	7.1	9
33	Recent developments in solution nuclear magnetic resonance (NMR)-based molecular biology. <i>Journal of Molecular Medicine</i> , 2018, 96, 1-8.	3.9	23
34	Covalently circularized nanodiscs; challenges and applications. <i>Current Opinion in Structural Biology</i> , 2018, 51, 129-134.	5.7	31
35	Structural basis for LeishIF4E-1 modulation by an interacting protein in the human parasite <i>Leishmania major</i> . <i>Nucleic Acids Research</i> , 2018, 46, 3791-3801.	14.5	19
36	Assembly of phospholipid nanodiscs of controlled size for structural studies of membrane proteins by NMR. <i>Nature Protocols</i> , 2018, 13, 79-98.	12.0	159

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37	NMR-directed design of pre-TCR $\hat{I}^2$ and pMHC molecules implies a distinct geometry for pre-TCR relative to $\hat{I}^2$ TCR recognition of pMHC. <i>Journal of Biological Chemistry</i> , 2018, 293, 754-766.	3.4	14
38	High resolution X-ray and NMR structural study of human T-cell immunoglobulin and mucin domain containing protein-3. <i>Scientific Reports</i> , 2018, 8, 17512.	3.3	35
39	Cytidine monophosphate &N&/em&gt;-acetylneuraminic acid synthetase enhances invasion of human triple-negative breast cancer cells. <i>OncoTargets and Therapy</i> , 2018, Volume 11, 6827-6838.	2.0	8
40	The T Cell Antigen Receptor $\hat{I}^2$ Transmembrane Domain Coordinates Triggering through Regulation of Bilayer Immersion and CD3 Subunit Associations. <i>Immunity</i> , 2018, 49, 829-841.e6.	14.3	58
41	Optimal control theory enables homonuclear decoupling without Bloch $\hat{I}^2$ Siebert shifts in NMR spectroscopy. <i>Nature Communications</i> , 2018, 9, 3014.	12.8	26
42	DNA-Corralled Nanodiscs for the Structural and Functional Characterization of Membrane Proteins and Viral Entry. <i>Journal of the American Chemical Society</i> , 2018, 140, 10639-10643.	13.7	57
43	Rapid convergence of optimal control in NMR using numerically-constructed toggling frames. <i>Journal of Magnetic Resonance</i> , 2017, 281, 94-103.	2.1	12
44	$^1\text{H}$ , $^{13}\text{C}$ , and $^{15}\text{N}$ backbone chemical shift assignments of 4E-BP144 $\hat{I}^2$ and 4E-BP144 $\hat{I}^2$ bound to eIF4E. <i>Biomolecular NMR Assignments</i> , 2017, 11, 187-191.	0.8	1
45	Interpolating and extrapolating with hmsIST: seeking a tmax for optimal sensitivity, resolution and frequency accuracy. <i>Journal of Biomolecular NMR</i> , 2017, 68, 139-154.	2.8	24
46	Molecular Landscape of the Ribosome Pre-initiation Complex during mRNA Scanning: Structural Role for eIF3c and Its Control by eIF5. <i>Cell Reports</i> , 2017, 18, 2651-2663.	6.4	54
47	Covalently circularized nanodiscs for studying membrane proteins and viral entry. <i>Nature Methods</i> , 2017, 14, 49-52.	19.0	221
48	Solution Structure of the Cuz1 AN1 Zinc Finger Domain: An Exposed LDFLP Motif Defines a Subfamily of AN1 Proteins. <i>PLoS ONE</i> , 2016, 11, e0163660.	2.5	3
49	The Role of Dynamics and Allostery in the Inhibition of the eIF4E/eIF4G Translation Initiation Factor Complex. <i>Angewandte Chemie</i> , 2016, 128, 7292-7295.	2.0	1
50	The Role of Dynamics and Allostery in the Inhibition of the eIF4E/eIF4G Translation Initiation Factor Complex. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7176-7179.	13.8	14
51	Nitrogen-detected TROSY yields comparable sensitivity to proton-detected TROSY for non-deuterated, large proteins under physiological salt conditions. <i>Journal of Biomolecular NMR</i> , 2016, 64, 143-151.	2.8	34
52	Pre-T Cell Receptors (Pre-TCRs) Leverage $\hat{I}^2$ Complementarity Determining Regions (CDRs) and Hydrophobic Patch in Mechanosensing Thymic Self-ligands. <i>Journal of Biological Chemistry</i> , 2016, 291, 25292-25305.	3.4	60
53	Analytical optimization of active bandwidth and quality factor for TOCSY experiments in NMR spectroscopy. <i>Journal of Biomolecular NMR</i> , 2016, 66, 9-20.	2.8	5
54	An accurately preorganized IRES RNA structure enables eIF4G capture for initiation of viral translation. <i>Nature Structural and Molecular Biology</i> , 2016, 23, 859-864.	8.2	42

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55	Perspective: revisiting the field dependence of TROSY sensitivity. <i>Journal of Biomolecular NMR</i> , 2016, 66, 221-225.	2.8	19
56	Identification of DNA primase inhibitors via a combined fragment-based and virtual screening. <i>Scientific Reports</i> , 2016, 6, 36322.	3.3	18
57	Overexpression of eIF5 or its protein mimic 5MP perturbs eIF2 function and induces <i>ATF4</i> translation through delayed re-initiation. <i>Nucleic Acids Research</i> , 2016, 44, 8704-8713.	14.5	40
58	Conformational dynamics of a G-protein $\beta$ subunit is tightly regulated by nucleotide binding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E3629-38.	7.1	77
59	Inhibiting fungal multidrug resistance by disrupting an activator-Mediator interaction. <i>Nature</i> , 2016, 530, 485-489.	27.8	120
60	UTOPIA NMR: activating unexploited magnetization using interleaved low-gamma detection. <i>Journal of Biomolecular NMR</i> , 2016, 64, 9-15.	2.8	19
61	Backbone resonance assignment of N15, N30 and D10 T cell receptor $\beta$ subunits. <i>Biomolecular NMR Assignments</i> , 2016, 10, 35-39.	0.8	4
62	<i>NMR</i> studies reveal a novel grab and release mechanism for efficient catalysis of the bacterial $\gamma$ -Cys peroxiredoxin machinery. <i>FEBS Journal</i> , 2015, 282, 4620-4638.	4.7	9
63	Structural Features of the $\beta$ TCR Mechanotransduction Apparatus That Promote pMHC Discrimination. <i>Frontiers in Immunology</i> , 2015, 6, 441.	4.8	55
64	An RNA-binding Protein, Lin28, Recognizes and Remodels G-quartets in the MicroRNAs (miRNAs) and mRNAs It Regulates. <i>Journal of Biological Chemistry</i> , 2015, 290, 17909-17922.	3.4	32
65	Pre-TCR ligand binding impacts thymocyte development before $\beta$ TCR expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 8373-8378.	7.1	62
66	eIF1A augments Ago2-mediated Dicer-independent miRNA biogenesis and RNA interference. <i>Nature Communications</i> , 2015, 6, 7194.	12.8	39
67	Nitrogen detected TROSY at high field yields high resolution and sensitivity for protein NMR. <i>Journal of Biomolecular NMR</i> , 2015, 63, 323-331.	2.8	40
68	Lipid bilayer-bound conformation of an integral membrane beta barrel protein by multidimensional MAS NMR. <i>Journal of Biomolecular NMR</i> , 2015, 61, 299-310.	2.8	38
69	Magic Angle Spinning Nuclear Magnetic Resonance Characterization of Voltage-Dependent Anion Channel Gating in Two-Dimensional Lipid Crystalline Bilayers. <i>Biochemistry</i> , 2015, 54, 994-1005.	2.5	34
70	Force-dependent transition in the T-cell receptor $\beta$ -subunit allosterically regulates peptide discrimination and pMHC bond lifetime. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1517-1522.	7.1	209
71	Structure refinement and membrane positioning of selectively labeled OmpX in phospholipid nanodiscs. <i>Journal of Biomolecular NMR</i> , 2015, 61, 249-260.	2.8	48
72	NMR resonance assignments of the catalytic domain of human serine/threonine phosphatase calcineurin in unligated and PVIVIT-peptide-bound states. <i>Biomolecular NMR Assignments</i> , 2015, 9, 201-205.	0.8	5

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73	Increased resolution of aromatic cross peaks using alternate <sup>13</sup> C labeling and TROSY. <i>Journal of Biomolecular NMR</i> , 2015, 62, 291-301.	2.8	26
74	Molecular mechanism of the dual activity of 4EGI-1: Dissociating eIF4G from eIF4E but stabilizing the binding of unphosphorylated 4E-BP1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E4036-45.	7.1	90
75	Structure of a herpesvirus nuclear egress complex subunit reveals an interaction groove that is essential for viral replication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 9010-9015.	7.1	52
76	NMR studies of membrane proteins. <i>Journal of Biomolecular NMR</i> , 2015, 61, 181-184.	2.8	6
77	The membrane anchor of the transcriptional activator SREBP is characterized by intrinsic conformational flexibility. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 12390-12395.	7.1	14
78	Controlled Co-reconstitution of Multiple Membrane Proteins in Lipid Bilayer Nanodiscs Using DNA as a Scaffold. <i>ACS Chemical Biology</i> , 2015, 10, 2448-2454.	3.4	21
79	Structure of a CGI-58 Motif Provides the Molecular Basis of Lipid Droplet Anchoring. <i>Journal of Biological Chemistry</i> , 2015, 290, 26361-26372.	3.4	43
80	<sup>1</sup> H, <sup>13</sup> C, and <sup>15</sup> N backbone and sidechain chemical shift assignments for the HEAT2 domain of human eIF4GI. <i>Biomolecular NMR Assignments</i> , 2015, 9, 157-160.	0.8	0
81	Essential role of eIF5-mimic protein in animal development is linked to control of ATF4 expression. <i>Nucleic Acids Research</i> , 2014, 42, 10321-10330.	14.5	24
82	Molecular Signatures of Hemagglutinin Stem-Directed Heterosubtypic Human Neutralizing Antibodies against Influenza A Viruses. <i>PLoS Pathogens</i> , 2014, 10, e1004103.	4.7	121
83	A new broadband homonuclear mixing pulse for NMR with low applied power. <i>Journal of Chemical Physics</i> , 2014, 141, 024201.	3.0	6
84	Human Translation Initiation Factor eIF4G1 Possesses a Low-Affinity ATP Binding Site Facing the ATP-Binding Cleft of eIF4A in the eIF4G/eIF4A Complex. <i>Biochemistry</i> , 2014, 53, 6422-6425.	2.5	2
85	Backbone resonance assignment of the HEAT1-domain of the human eukaryotic translation initiation factor 4GI. <i>Biomolecular NMR Assignments</i> , 2014, 8, 89-91.	0.8	6
86	Disruption of Helix-Capping Residues 671 and 674 Reveals a Role in HIV-1 Entry for a Specialized Hinge Segment of the Membrane Proximal External Region of gp41. <i>Journal of Molecular Biology</i> , 2014, 426, 1095-1108.	4.2	34
87	G-quadruplex structures contribute to the neuroprotective effects of angiogenin-induced tRNA fragments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 18201-18206.	7.1	264
88	Examining weak protein-protein interactions in start codon recognition via NMR spectroscopy. <i>FEBS Journal</i> , 2014, 281, 1965-1973.	4.7	12
89	Structure of the eukaryotic translation initiation factor eIF4E in complex with 4EGI-1 reveals an allosteric mechanism for dissociating eIF4G. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E3187-95.	7.1	72
90	Quantitative phosphoproteomic analysis reveals system-wide signaling pathways downstream of SDF-1/CXCR4 in breast cancer stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E2182-90.	7.1	109

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91	Constitutively Oxidized CXXC Motifs within the CD3 Heterodimeric Ectodomains of the T Cell Receptor Complex Enforce the Conformation of Juxtaposed Segments. <i>Journal of Biological Chemistry</i> , 2014, 289, 18880-18892.	3.4	24
92	The LxVP and PxlIT NFAT Motifs Bind Jointly to Overlapping Epitopes on Calcineurin's Catalytic Domain Distant to the Regulatory Domain. <i>Structure</i> , 2014, 22, 1016-1027.	3.3	15
93	Selective Methyl Labeling of Eukaryotic Membrane Proteins Using Cell-Free Expression. <i>Journal of the American Chemical Society</i> , 2014, 136, 11308-11310.	13.7	36
94	Solid-State NMR Structure Determination from Diagonal-Compensated, Sparsely Nonuniform-Sampled 4D Proton-Proton Restraints. <i>Journal of the American Chemical Society</i> , 2014, 136, 11002-11010.	13.7	61
95	Discovery and Characterization of a Disulfide-Locked $\alpha$ -Symmetric Defensin Peptide. <i>Journal of the American Chemical Society</i> , 2014, 136, 13494-13497.	13.7	50
96	Perspectives in magnetic resonance: NMR in the post-FFT era. <i>Journal of Magnetic Resonance</i> , 2014, 241, 60-73.	2.1	122
97	Structure-activity relationship study of 4EGI-1, small molecule eIF4E/eIF4G protein-protein interaction inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2014, 77, 361-377.	5.5	18
98	The Use of Amphipols for NMR Structural Characterization of 7-TM Proteins. <i>Journal of Membrane Biology</i> , 2014, 247, 957-964.	2.1	26
99	Resonance assignments of the microtubule-binding domain of the <i>C. elegans</i> spindle and kinetochore-associated protein 1. <i>Biomolecular NMR Assignments</i> , 2014, 8, 275-278.	0.8	5
100	4EGI-1 targets breast cancer stem cells by selective inhibition of translation that persists in CSC maintenance, proliferation and metastasis. <i>Oncotarget</i> , 2014, 5, 6028-6037.	1.8	29
101	Cell-free Expressed Bacteriorhodopsin in Different Soluble Membrane Mimetics: Biophysical Properties and NMR Accessibility. <i>Structure</i> , 2013, 21, 394-401.	3.3	103
102	Immunogenicity of Membrane-bound HIV-1 gp41 Membrane-proximal External Region (MPER) Segments Is Dominated by Residue Accessibility and Modulated by Stereochemistry. <i>Journal of Biological Chemistry</i> , 2013, 288, 31888-31901.	3.4	43
103	Exploring new limits in complex biological structures. <i>Current Opinion in Structural Biology</i> , 2013, 23, 704-706.	5.7	2
104	Exploring signal-to-noise ratio and sensitivity in non-uniformly sampled multi-dimensional NMR spectra. <i>Journal of Biomolecular NMR</i> , 2013, 55, 167-178.	2.8	96
105	Pulse design for broadband correlation NMR spectroscopy by multi-rotating frames. <i>Journal of Biomolecular NMR</i> , 2013, 55, 291-302.	2.8	11
106	Optimized Phospholipid Bilayer Nanodiscs Facilitate High-Resolution Structure Determination of Membrane Proteins. <i>Journal of the American Chemical Society</i> , 2013, 135, 1919-1925.	13.7	445
107	Molecular Crowding Enhanced ATPase Activity of the RNA Helicase eIF4A Correlates with Compaction of Its Quaternary Structure and Association with eIF4G. <i>Journal of the American Chemical Society</i> , 2013, 135, 10040-10047.	13.7	35
108	The Interaction between Eukaryotic Initiation Factor 1A and eIF5 Retains eIF1 within Scanning Preinitiation Complexes. <i>Biochemistry</i> , 2013, 52, 9510-9518.	2.5	37

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109	$\hat{I}^2$ -Hairpin Loop of Eukaryotic Initiation Factor 1 (eIF1) Mediates 40 S Ribosome Binding to Regulate Initiator tRNAMet Recruitment and Accuracy of AUG Selection in Vivo. <i>Journal of Biological Chemistry</i> , 2013, 288, 27546-27562.	3.4	44
110	Hypoxia-inducible Factor-1 $\hat{I}^{\pm}$ (HIF-1 $\hat{I}^{\pm}$ ) Promotes Cap-dependent Translation of Selective mRNAs through Up-regulating Initiation Factor eIF4E1 in Breast Cancer Cells under Hypoxia Conditions. <i>Journal of Biological Chemistry</i> , 2013, 288, 18732-18742.	3.4	55
111	Abstract 109: Preliminary Structural Into the Sterol Regulatory Element-Binding Protein (SREBP) Interaction With SREBP Cleavage-Activating Protein (SCAP). <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, .	2.4	0
112	Lipid Dynamics and Proteinâ€™Lipid Interactions in 2D Crystals Formed with the $\hat{I}^2$ -Barrel Integral Membrane Protein VDAC1. <i>Journal of the American Chemical Society</i> , 2012, 134, 6375-6387.	13.7	65
113	Solution NMR spectroscopic characterization of human VDAC-2 in detergent micelles and lipid bilayer nanodiscs. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 1562-1569.	2.6	53
114	The C-Terminal Domain of Eukaryotic Initiation Factor 5 Promotes Start Codon Recognition by Its Dynamic Interplay with eIF1 and eIF2 $\hat{I}^2$ . <i>Cell Reports</i> , 2012, 1, 689-702.	6.4	66
115	The Kinetochore-Bound Ska1 Complex Tracks Depolymerizing Microtubules and Binds to Curved Protofilaments. <i>Developmental Cell</i> , 2012, 23, 968-980.	7.0	194
116	NMR Solution Structure and Condition-Dependent Oligomerization of the Antimicrobial Peptide Human Defensin 5. <i>Biochemistry</i> , 2012, 51, 9624-9637.	2.5	45
117	TCR Mechanobiology: Torques and Tunable Structures Linked to Early T Cell Signaling. <i>Frontiers in Immunology</i> , 2012, 3, 76.	4.8	75
118	Application of iterative soft thresholding for fast reconstruction of NMR data non-uniformly sampled with multidimensional Poisson Gap scheduling. <i>Journal of Biomolecular NMR</i> , 2012, 52, 315-327.	2.8	381
119	Editorial management of the <i>Journal of Biomolecular NMR</i> . <i>Journal of Biomolecular NMR</i> , 2012, 52, 3-4.	2.8	1
120	Tumor suppression by small molecule inhibitors of translation initiation. <i>Oncotarget</i> , 2012, 3, 869-881.	1.8	91
121	Applications of Non-Uniform Sampling and Processing. <i>Topics in Current Chemistry</i> , 2011, 316, 125-148.	4.0	119
122	Antibody mechanics on a membrane-bound HIV segment essential for GP41-targeted viral neutralization. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 1235-1243.	8.2	86
123	Structure of the VP16 transactivator target in the Mediator. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 410-415.	8.2	75
124	HNCA-TOCSY-CANH experiments with alternate $^{13}C$ - $^{12}C$ labeling: a set of 3D experiment with unique supra-sequential information for mainchain resonance assignment. <i>Journal of Biomolecular NMR</i> , 2011, 49, 17-26.	2.8	10
125	Speeding up direct $^{15}N$ detection: hCaN 2D NMR experiment. <i>Journal of Biomolecular NMR</i> , 2011, 51, 497-504.	2.8	23
126	Inhibition of the interactions between eukaryotic initiation factors 4E and 4G impairs long-term associative memory consolidation but not reconsolidation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 3383-3388.	7.1	95



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127	Molecular Characterization of Disrupted in Schizophrenia-1 Risk Variant S704C Reveals the Formation of Altered Oligomeric Assembly. <i>Journal of Biological Chemistry</i> , 2011, 286, 44266-44276.	3.4	26
128	A novel 4E-interacting protein in <i>Leishmania</i> is involved in stage-specific translation pathways. <i>Nucleic Acids Research</i> , 2011, 39, 8404-8415.	14.5	69
129	Transient Domain Interactions in Non-Ribosomal Peptide Synthetases. <i>FASEB Journal</i> , 2011, 25, .	0.5	0
130	Backbone and ILV side chain methyl group assignments of the integral human membrane protein VDAC-1. <i>Biomolecular NMR Assignments</i> , 2010, 4, 29-32.	0.8	10
131	Overcoming the solubility limit with solubility-enhancement tags: successful applications in biomolecular NMR studies. <i>Journal of Biomolecular NMR</i> , 2010, 46, 23-31.	2.8	72
132	CACA-TOCSY with alternate $^{13}\text{C}$ labeling: a $^{13}\text{C}$ direct detection experiment for mainchain resonance assignment, dihedral angle information, and amino acid type identification. <i>Journal of Biomolecular NMR</i> , 2010, 47, 55-63.	2.8	23
133	Nitrogen-detected CAN and CON experiments as alternative experiments for main chain NMR resonance assignments. <i>Journal of Biomolecular NMR</i> , 2010, 47, 271-282.	2.8	34
134	The 3D structures of VDAC represent a native conformation. <i>Trends in Biochemical Sciences</i> , 2010, 35, 514-521.	7.5	115
135	Distinctive CD3 Heterodimeric Ectodomain Topologies Maximize Antigen-Triggered Activation of $\hat{1}\pm\hat{1}^2$ T Cell Receptors. <i>Journal of Immunology</i> , 2010, 185, 2951-2959.	0.8	34
136	Autoinhibitory Interaction in the Multidomain Adaptor Protein Nck: Possible Roles in Improving Specificity and Functional Diversity. <i>Biochemistry</i> , 2010, 49, 5634-5641.	2.5	11
137	Poisson-Gap Sampling and Forward Maximum Entropy Reconstruction for Enhancing the Resolution and Sensitivity of Protein NMR Data. <i>Journal of the American Chemical Society</i> , 2010, 132, 2145-2147.	13.7	308
138	High-Resolution 3D CANCA NMR Experiments for Complete Mainchain Assignments Using $\text{C}^{\sup>\hat{1}\pm\hat{1}^2\text{</sup>}$ Direct Detection. <i>Journal of the American Chemical Society</i> , 2010, 132, 2945-2951.	13.7	25
139	Nonmicellar systems for solution NMR spectroscopy of membrane proteins. <i>Current Opinion in Structural Biology</i> , 2010, 20, 471-479.	5.7	114
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