

Peter Gntert

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240 papers	19,505 citations	62 h-index	136 g-index
250 ext. papers	21,003 ext. citations	7.1 avg, IF	6.81 L-index

#	Paper	IF	Citations
240	Torsion angle dynamics for NMR structure calculation with the new program DYANA. <i>Journal of Molecular Biology</i> , 1997 , 273, 283-98	6.5	2561
239	The program XEASY for computer-supported NMR spectral analysis of biological macromolecules. <i>Journal of Biomolecular NMR</i> , 1995 , 6, 1-10	3	1482
238	Protein NMR structure determination with automated NOE assignment using the new software CANDID and the torsion angle dynamics algorithm DYANA. <i>Journal of Molecular Biology</i> , 2002 , 319, 209-27	6.5	1330
237	Automated NMR structure calculation with CYANA. <i>Methods in Molecular Biology</i> , 2004 , 278, 353-78	1.4	1018
236	Efficient computation of three-dimensional protein structures in solution from nuclear magnetic resonance data using the program DIANA and the supporting programs CALIBA, HABAS and GLOMSA. <i>Journal of Molecular Biology</i> , 1991 , 217, 517-30	6.5	864
235	Atomic-resolution structure of a disease-relevant A β (1-42) amyloid fibril. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E4976-84	11.5	557
234	Protein NMR structure determination with automated NOE-identification in the NOESY spectra using the new software ATNOS. <i>Journal of Biomolecular NMR</i> , 2002 , 24, 171-89	3	410
233	Optimal isotope labelling for NMR protein structure determinations. <i>Nature</i> , 2006 , 440, 52-7	50.4	389
232	Improved efficiency of protein structure calculations from NMR data using the program DIANA with redundant dihedral angle constraints. <i>Journal of Biomolecular NMR</i> , 1991 , 1, 447-56	3	328
231	RECOORD: a recalculated coordinate database of 500+ proteins from the PDB using restraints from the BioMagResBank. <i>Proteins: Structure, Function and Bioinformatics</i> , 2005 , 59, 662-72	4.2	285
230	Protein structure determination in living cells by in-cell NMR spectroscopy. <i>Nature</i> , 2009 , 458, 102-5	50.4	267
229	Processing of multi-dimensional NMR data with the new software PROSA. <i>Journal of Biomolecular NMR</i> , 1992 , 2, 619-629	3	267
228	Efficient analysis of protein 2D NMR spectra using the software package EASY. <i>Journal of Biomolecular NMR</i> , 1991 , 1, 111-30	3	253
227	NMR structure reveals intramolecular regulation mechanism for pheromone binding and release. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 14374-9	11.5	237
226	Atomic-resolution three-dimensional structure of amyloid fibrils bearing the Osaka mutation. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 331-5	16.4	211
225	Automated NMR protein structure calculation. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2003 , 43, 105-125	10.4	210
224	Combined automated NOE assignment and structure calculation with CYANA. <i>Journal of Biomolecular NMR</i> , 2015 , 62, 453-71	3	202

223	NMR studies in aqueous solution fail to identify significant conformational differences between the monomeric forms of two Alzheimer peptides with widely different plaque-competence, A beta(1-40)(ox) and A beta(1-42)(ox). <i>FEBS Journal</i> , 2001 , 268, 5930-6		190
222	Automated structure determination from NMR spectra. <i>European Biophysics Journal</i> , 2009 , 38, 129-43	1.9	189
221	Prion protein NMR structures of cats, dogs, pigs, and sheep. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 640-5	11.5	178
220	The new program OPAL for molecular dynamics simulations and energy refinements of biological macromolecules. <i>Journal of Biomolecular NMR</i> , 1996 , 8, 136-46	3	174
219	Determination of a high-quality nuclear magnetic resonance solution structure of the bovine pancreatic trypsin inhibitor and comparison with three crystal structures. <i>Journal of Molecular Biology</i> , 1992 , 227, 757-75	6.5	168
218	Prion protein NMR structures of chickens, turtles, and frogs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 651-5	11.5	154
217	NMR structure of the calreticulin P-domain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 3133-8	11.5	154
216	NMR structure of the integral membrane protein OmpX. <i>Journal of Molecular Biology</i> , 2004 , 336, 1211-21	6.5	152
215	Solution NMR structure of proteorhodopsin. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 11942-6	16.4	150
214	Protein dynamics studied by rotating frame 15N spin relaxation times. <i>Journal of Biomolecular NMR</i> , 1993 , 3, 151-64	3	150
213	WeNMR: Structural Biology on the Grid. <i>Journal of Grid Computing</i> , 2012 , 10, 743-767	4.2	142
212	Point-centered domain decomposition for parallel molecular dynamics simulation. <i>Computer Physics Communications</i> , 2000 , 124, 139-147	4.2	142
211	KUJIRA, a package of integrated modules for systematic and interactive analysis of NMR data directed to high-throughput NMR structure studies. <i>Journal of Biomolecular NMR</i> , 2007 , 39, 31-52	3	137
210	Automated protein structure determination from NMR spectra. <i>Journal of the American Chemical Society</i> , 2006 , 128, 13112-22	16.4	136
209	Structure calculation of biological macromolecules from NMR data. <i>Quarterly Reviews of Biophysics</i> , 1998 , 31, 145-237	7	133
208	Automated combined assignment of NOESY spectra and three-dimensional protein structure determination. <i>Journal of Biomolecular NMR</i> , 1997 , 10, 351-62	3	128
207	Structure determination of the Antp (C39----S) homeodomain from nuclear magnetic resonance data in solution using a novel strategy for the structure calculation with the programs DIANA, CALIBA, HABAS and GLOMSA. <i>Journal of Molecular Biology</i> , 1991 , 217, 531-40	6.5	124
206	Recommendations of the wwPDB NMR Validation Task Force. <i>Structure</i> , 2013 , 21, 1563-70	5.2	117

205	A new algorithm for reliable and general NMR resonance assignment. <i>Journal of the American Chemical Society</i> , 2012 , 134, 12817-29	16.4	114
204	Automated sequence-specific NMR assignment of homologous proteins using the program GARANT. <i>Journal of Biomolecular NMR</i> , 1996 , 7, 207-13	3	113
203	GARANT-a general algorithm for resonance assignment of multidimensional nuclear magnetic resonance spectra 1997 , 18, 139-149		112
202	Structural insight into dimeric interaction of the SARAH domains from Mst1 and RASSF family proteins in the apoptosis pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 9236-41	11.5	109
201	Automated peak picking and peak integration in macromolecular NMR spectra using AUTOPSY. <i>Journal of Magnetic Resonance</i> , 1998 , 135, 288-97	3	108
200	Hydration and DNA recognition by homeodomains. <i>Cell</i> , 1996 , 85, 1057-65	56.2	104
199	Structural basis for the selectivity of the external thioesterase of the surfactin synthetase. <i>Nature</i> , 2008 , 454, 907-11	50.4	103
198	Structural insight into the zinc finger CW domain as a histone modification reader. <i>Structure</i> , 2010 , 18, 1127-39	5.2	93
197	NMR structures of three single-residue variants of the human prion protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 8340-5	11.5	92
196	ATP-induced conformational changes of the nucleotide-binding domain of Na,K-ATPase. <i>Nature Structural and Molecular Biology</i> , 2003 , 10, 468-74	17.6	88
195	Solution structure of the c-terminal dimerization domain of SARS coronavirus nucleocapsid protein solved by the SAIL-NMR method. <i>Journal of Molecular Biology</i> , 2008 , 380, 608-22	6.5	87
194	Solution structure of discoidal high-density lipoprotein particles with a shortened apolipoprotein A-I. <i>Nature Structural and Molecular Biology</i> , 2017 , 24, 187-193	17.6	85
193	Influence of the completeness of chemical shift assignments on NMR structures obtained with automated NOE assignment. <i>Journal of Structural and Functional Genomics</i> , 2003 , 4, 179-89		81
192	The beta(E)-domain of wheat E(c)-1 metallothionein: a metal-binding domain with a distinctive structure. <i>Journal of Molecular Biology</i> , 2009 , 387, 207-18	6.5	80
191	NMR structure of the sea urchin (<i>Strongylocentrotus purpuratus</i>) metallothionein MTA. <i>Journal of Molecular Biology</i> , 1999 , 291, 417-28	6.5	79
190	Sequence-specific NMR assignment of proteins by global fragment mapping with the program MAPPER. <i>Journal of Biomolecular NMR</i> , 2000 , 18, 129-37	3	78
189	NMR structure of the unliganded <i>Bombyx mori</i> pheromone-binding protein at physiological pH. <i>FEBS Letters</i> , 2002 , 531, 314-8	3.8	76
188	Spatial elucidation of motion in proteins by ensemble-based structure calculation using exact NOEs. <i>Nature Structural and Molecular Biology</i> , 2012 , 19, 1053-7	17.6	73

187	Structural basis for phosphorylation-triggered autophagic clearance of Salmonella. <i>Biochemical Journal</i> , 2013 , 454, 459-66	3.8	71
186	Solution structure of polytheonamide B, a highly cytotoxic nonribosomal polypeptide from marine sponge. <i>Journal of the American Chemical Society</i> , 2010 , 132, 12941-5	16.4	71
185	Ancestral beta gamma-crystallin precursor structure in a yeast killer toxin. <i>Nature Structural and Molecular Biology</i> , 1996 , 3, 662-5	17.6	70
184	Characterization of the interaction of GABARAPL-1 with the LIR motif of NBR1. <i>Journal of Molecular Biology</i> , 2011 , 410, 477-87	6.5	68
183	Structural investigation of the C-terminal catalytic fragment of presenilin 1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 9644-9	11.5	68
182	Nuclear magnetic resonance solution structure of dendrotoxin K from the venom of <i>Dendroaspis polylepis</i> . <i>Journal of Molecular Biology</i> , 1993 , 234, 735-50	6.5	68
181	The NMR solution conformation of unligated human cyclophilin A. <i>Journal of Molecular Biology</i> , 1997 , 272, 64-81	6.5	66
180	The program ASNO for computer-supported collection of NOE upper distance constraints as input for protein structure determination. <i>Journal of Biomolecular NMR</i> , 1993 , 3, 601	3	65
179	Blind testing of routine, fully automated determination of protein structures from NMR data. <i>Structure</i> , 2012 , 20, 227-36	5.2	64
178	Structural basis for the sequence-specific RNA-recognition mechanism of human CUG-BP1 RRM3. <i>Nucleic Acids Research</i> , 2009 , 37, 5151-66	20.1	62
177	PSEUDYANA for NMR structure calculation of paramagnetic metalloproteins using torsion angle molecular dynamics. <i>Journal of Biomolecular NMR</i> , 1998 , 12, 553-7	3	62
176	Molecular crowding drives active Pin1 into nonspecific complexes with endogenous proteins prior to substrate recognition. <i>Journal of the American Chemical Society</i> , 2013 , 135, 13796-803	16.4	60
175	NMR structure of the human doppel protein. <i>Journal of Molecular Biology</i> , 2003 , 326, 1549-57	6.5	58
174	SAIL--stereo-array isotope labeling. <i>Quarterly Reviews of Biophysics</i> , 2009 , 42, 247-300	7	57
173	NMR structure of the heme chaperone CcmE reveals a novel functional motif. <i>Structure</i> , 2002 , 10, 1551-5	5.2	57
172	Solution structure of the RWD domain of the mouse GCN2 protein. <i>Protein Science</i> , 2004 , 13, 2089-100	6.3	56
171	POMA: A Complete Mathematica Implementation of the NMR Product-Operator Formalism. <i>Journal of Magnetic Resonance Series A</i> , 1993 , 101, 103-105		56
170	Structural basis for the dual RNA-recognition modes of human Tra2-IRRM. <i>Nucleic Acids Research</i> , 2011 , 39, 1538-53	20.1	54

169	CASD-NMR: critical assessment of automated structure determination by NMR. <i>Nature Methods</i> , 2009 , 6, 625-6	21.6	51
168	Nuclear magnetic resonance solution structure of hirudin(1-51) and comparison with corresponding three-dimensional structures determined using the complete 65-residue hirudin polypeptide chain. <i>Journal of Molecular Biology</i> , 1992 , 228, 1193-205	6.5	50
167	Conformational analysis of protein and nucleic acid fragments with the new grid search algorithm FOUND. <i>Journal of Biomolecular NMR</i> , 1998 , 12, 543-8	3	49
166	NMR structures of 36 and 73-residue fragments of the calreticulin P-domain. <i>Journal of Molecular Biology</i> , 2002 , 322, 773-84	6.5	49
165	Integrated NMR and cryo-EM atomic-resolution structure determination of a half-megadalton enzyme complex. <i>Nature Communications</i> , 2019 , 10, 2697	17.4	46
164	Structure-guided fragment-based in silico drug design of dengue protease inhibitors. <i>Journal of Computer-Aided Molecular Design</i> , 2011 , 25, 263-74	4.2	46
163	Conformational stability and activity of p73 require a second helix in the tetramerization domain. <i>Cell Death and Differentiation</i> , 2009 , 16, 1582-9	12.7	46
162	Structures of the first and second double-stranded RNA-binding domains of human TAR RNA-binding protein. <i>Protein Science</i> , 2011 , 20, 118-30	6.3	45
161	Automated structure determination of proteins with the SAIL-FLYA NMR method. <i>Nature Protocols</i> , 2007 , 2, 2896-902	18.8	45
160	Solution structure of the catalytic domain of the mitochondrial protein ICT1 that is essential for cell vitality. <i>Journal of Molecular Biology</i> , 2010 , 404, 260-73	6.5	44
159	Solution structure of the PWWP domain of the hepatoma-derived growth factor family. <i>Protein Science</i> , 2005 , 14, 756-64	6.3	44
158	NMR studies of the hydration of biological macromolecules. <i>Faraday Discussions</i> , 1996 , 103, 245-253	3.6	42
157	Optimization of amino acid type-specific ¹³ C and ¹⁵ N labeling for the backbone assignment of membrane proteins by solution- and solid-state NMR with the UPLABEL algorithm. <i>Journal of Biomolecular NMR</i> , 2011 , 49, 75-84	3	40
156	Structure and internal dynamics of the bovine pancreatic trypsin inhibitor in aqueous solution from long-time molecular dynamics simulations. <i>Proteins: Structure, Function and Bioinformatics</i> , 1995 , 23, 49-62	4.2	40
155	NMR solution structure of the recombinant tick anticoagulant protein (rTAP), a factor Xa inhibitor from the tick <i>Ornithodoros moubata</i> . <i>FEBS Letters</i> , 1994 , 352, 251-7	3.8	40
154	The RRM domain of poly(A)-specific ribonuclease has a noncanonical binding site for mRNA cap analog recognition. <i>Nucleic Acids Research</i> , 2008 , 36, 4754-67	20.1	39
153	NMR-Based Determination of the 3D Structure of the Ligand-Protein Interaction Site without Protein Resonance Assignment. <i>Journal of the American Chemical Society</i> , 2016 , 138, 4393-400	16.4	38
152	Protein structure validation by generalized linear model root-mean-square deviation prediction. <i>Protein Science</i> , 2012 , 21, 229-38	6.3	38

151	Solution structure of the extraterminal domain of the bromodomain-containing protein BRD4. <i>Protein Science</i> , 2008 , 17, 2174-9	6.3	38
150	NMR solution structure of the periplasmic chaperone FimC. <i>Nature Structural Biology</i> , 1998 , 5, 885-90		37
149	Complete relaxation matrix refinement of NMR structures of proteins using analytically calculated dihedral angle derivatives of NOE intensities. <i>Journal of Biomolecular NMR</i> , 1991 , 1, 257-69	3	37
148	Automated and assisted RNA resonance assignment using NMR chemical shift statistics. <i>Nucleic Acids Research</i> , 2013 , 41, e172	20.1	36
147	Objective identification of residue ranges for the superposition of protein structures. <i>BMC Bioinformatics</i> , 2011 , 12, 170	3.6	36
146	NMR protein structure determination in living E. coli cells using nonlinear sampling. <i>Nature Protocols</i> , 2010 , 5, 1051-60	18.8	35
145	Transmembrane segment enhanced labeling as a tool for the backbone assignment of alpha-helical membrane proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 8262-7	11.5	35
144	A photoswitchable miniprotein based on the sequence of avian pancreatic polypeptide. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 6297-300	16.4	35
143	NMR structure of a variant human prion protein with two disulfide bridges. <i>Journal of Molecular Biology</i> , 2003 , 326, 225-34	6.5	35
142	High-Resolution Protein 3D Structure Determination in Living Eukaryotic Cells. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 7284-7288	16.4	34
141	Requirements on paramagnetic relaxation enhancement data for membrane protein structure determination by NMR. <i>Structure</i> , 2012 , 20, 1019-27	5.2	33
140	Structural insight into the interaction of ADP-ribose with the PARP WWE domains. <i>FEBS Letters</i> , 2012 , 586, 3858-64	3.8	32
139	Automated solid-state NMR resonance assignment of protein microcrystals and amyloids. <i>Journal of Biomolecular NMR</i> , 2013 , 56, 243-54	3	32
138	Proteome-wide analysis of phospho-regulated PDZ domain interactions. <i>Molecular Systems Biology</i> , 2018 , 14, e8129	12.2	32
137	NMR structure of the R-module: a parallel beta-roll subunit from an Azotobacter vinelandii mannuronan C-5 epimerase. <i>Journal of Biological Chemistry</i> , 2006 , 281, 7350-6	5.4	31
136	Solution structures of the first and fourth TSR domains of F-spondin. <i>Proteins: Structure, Function and Bioinformatics</i> , 2006 , 64, 665-72	4.2	31
135	The Exact NOE as an Alternative in Ensemble Structure Determination. <i>Biophysical Journal</i> , 2016 , 110, 113-26	2.9	30
134	Crystal structure of a PCP/Sfp complex reveals the structural basis for carrier protein posttranslational modification. <i>Chemistry and Biology</i> , 2014 , 21, 552-562		30

133	Solution structure of an atypical WW domain in a novel beta-clam-like dimeric form. <i>FEBS Letters</i> , 2007 , 581, 462-8	3.8	30
132	Characterization of molecular interactions between ACP and halogenase domains in the Curacin A polyketide synthase. <i>ACS Chemical Biology</i> , 2012 , 7, 378-86	4.9	29
131	A universal expression tag for structural and functional studies of proteins. <i>ChemBioChem</i> , 2012 , 13, 959-63	3.8	29
130	Improved in-cell structure determination of proteins at near-physiological concentration. <i>Scientific Reports</i> , 2016 , 6, 38312	4.9	29
129	Identification of residues required for stalled-ribosome rescue in the codon-independent release factor YaeJ. <i>Nucleic Acids Research</i> , 2014 , 42, 3152-63	20.1	28
128	Structure of the Cdt1 C-terminal domain: conservation of the winged helix fold in replication licensing factors. <i>Protein Science</i> , 2009 , 18, 2252-64	6.3	28
127	Evaluation of stereo-array isotope labeling (SAIL) patterns for automated structural analysis of proteins with CYANA. <i>Magnetic Resonance in Chemistry</i> , 2006 , 44 Spec No, S152-7	2.1	28
126	NMR-based automated protein structure determination. <i>Archives of Biochemistry and Biophysics</i> , 2017 , 628, 24-32	4.1	27
125	Towards a true protein movie: a perspective on the potential impact of the ensemble-based structure determination using exact NOEs. <i>Journal of Magnetic Resonance</i> , 2014 , 241, 53-9	3	27
124	Impact of protein-protein contacts on the conformation of thrombin-bound hirudin studied by comparison with the nuclear magnetic resonance solution structure of hirudin(1-51). <i>Journal of Molecular Biology</i> , 1992 , 228, 1206-11	6.5	27
123	NMR Exchange Format: a unified and open standard for representation of NMR restraint data. <i>Nature Structural and Molecular Biology</i> , 2015 , 22, 433-4	17.6	26
122	Solution structure and siRNA-mediated knockdown analysis of the mitochondrial disease-related protein C12orf65. <i>Proteins: Structure, Function and Bioinformatics</i> , 2012 , 80, 2629-42	4.2	26
121	Structural and functional characterization of the NHR1 domain of the Drosophila neuralized E3 ligase in the notch signaling pathway. <i>Journal of Molecular Biology</i> , 2009 , 393, 478-95	6.5	26
120	The CUE Domain of Cue1 Aligns Growing Ubiquitin Chains with Ubc7 for Rapid Elongation. <i>Molecular Cell</i> , 2016 , 62, 918-928	17.6	25
119	Exclusively NOESY-based automated NMR assignment and structure determination of proteins. <i>Journal of Biomolecular NMR</i> , 2011 , 50, 137-46	3	25
118	Automated NMR structure determination of stereo-array isotope labeled ubiquitin from minimal sets of spectra using the SAIL-FLYA system. <i>Journal of Biomolecular NMR</i> , 2009 , 44, 261-72	3	25
117	Structure of the putative 32 kDa myrosinase-binding protein from Arabidopsis (At3g16450.1) determined by SAIL-NMR. <i>FEBS Journal</i> , 2008 , 275, 5873-84	5.7	25
116	RBFOX and SUP-12 sandwich a G base to cooperatively regulate tissue-specific splicing. <i>Nature Structural and Molecular Biology</i> , 2014 , 21, 778-86	17.6	24

115	Automated assignment of NMR chemical shifts using peak-particle dynamics simulation with the DYNASSIGN algorithm. <i>Journal of Biomolecular NMR</i> , 2009 , 43, 97-109	3	24
114	Solution structure of the cysteine-rich domain in Fn14, a member of the tumor necrosis factor receptor superfamily. <i>Protein Science</i> , 2009 , 18, 650-6	6.3	24
113	Systematic evaluation of combined automated NOE assignment and structure calculation with CYANA. <i>Journal of Biomolecular NMR</i> , 2015 , 62, 81-95	3	23
112	Reliability of exclusively NOESY-based automated resonance assignment and structure determination of proteins. <i>Journal of Biomolecular NMR</i> , 2013 , 57, 193-204	3	23
111	A Structural Ensemble for the Enzyme Cyclophilin Reveals an Orchestrated Mode of Action at Atomic Resolution. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 11657-61	16.4	23
110	Conformational sampling by NMR solution structures calculated with the program DIANA evaluated by comparison with long-time molecular dynamics calculations in explicit water. <i>Proteins: Structure, Function and Bioinformatics</i> , 1996 , 24, 304-13	4.2	23
109	Automated Backbone NMR Resonance Assignment of Large Proteins Using Redundant Linking from a Single Simultaneous Acquisition. <i>Journal of the American Chemical Society</i> , 2020 , 142, 5793-5799	16.4	22
108	Solution structure of the rhodanese homology domain At4g01050(175-295) from <i>Arabidopsis thaliana</i> . <i>Protein Science</i> , 2005 , 14, 224-30	6.3	22
107	Mechanism of TAp73 inhibition by Np63 and structural basis of p63/p73 hetero-tetramerization. <i>Cell Death and Differentiation</i> , 2016 , 23, 1930-1940	12.7	22
106	Peak picking multidimensional NMR spectra with the contour geometry based algorithm CYPICK. <i>Journal of Biomolecular NMR</i> , 2017 , 67, 63-76	3	21
105	Multiple-state ensemble structure determination from eNOE spectroscopy. <i>Molecular Physics</i> , 2013 , 111, 437-454	1.7	21
104	Structural and functional dissection of the DH and PH domains of oncogenic Bcr-Abl tyrosine kinase. <i>Nature Communications</i> , 2017 , 8, 2101	17.4	21
103	Increased reliability of nuclear magnetic resonance protein structures by consensus structure bundles. <i>Structure</i> , 2015 , 23, 425-34	5.2	20
102	Structure and dynamics conspire in the evolution of affinity between intrinsically disordered proteins. <i>Science Advances</i> , 2018 , 4, eaau4130	14.3	20
101	Protein aggregation of the p63 transcription factor underlies severe skin fragility in AEC syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E906-E915	11.5	19
100	The First structure of a lantibiotic immunity protein, SpaI from <i>Bacillus subtilis</i> , reveals a novel fold. <i>Journal of Biological Chemistry</i> , 2012 , 287, 35286-35298	5.4	19
99	Simultaneous single-structure and bundle representation of protein NMR structures in torsion angle space. <i>Journal of Biomolecular NMR</i> , 2012 , 52, 351-64	3	19
98	Solution structure of the RNA binding domain in the human muscleblind-like protein 2. <i>Protein Science</i> , 2009 , 18, 80-91	6.3	19

97	Solution structures of the SURP domains and the subunit-assembly mechanism within the splicing factor SF3a complex in 17S U2 snRNP. <i>Structure</i> , 2006 , 14, 1677-89	5.2	19
96	Automatic structure-based NMR methyl resonance assignment in large proteins. <i>Nature Communications</i> , 2019 , 10, 4922	17.4	18
95	Spontaneous self-assembly of engineered armadillo repeat protein fragments into a folded structure. <i>Structure</i> , 2014 , 22, 985-95	5.2	18
94	Structural basis of the role of the Nika ribbon-helix-helix domain in initiating bacterial conjugation. <i>Journal of Molecular Biology</i> , 2008 , 384, 690-701	6.5	18
93	A Photoswitchable Miniprotein Based on the Sequence of Avian Pancreatic Polypeptide. <i>Angewandte Chemie</i> , 2006 , 118, 6445-6448	3.6	18
92	Solution structure of the antifreeze-like domain of human sialic acid synthase. <i>Protein Science</i> , 2006 , 15, 1010-6	6.3	18
91	NMR assignment of the hypothetical ENTH-VHS domain At3g16270 from <i>Arabidopsis thaliana</i> . <i>Journal of Biomolecular NMR</i> , 2004 , 29, 205-6	3	18
90	The three-dimensional structure of human β -endorphin amyloid fibrils. <i>Nature Structural and Molecular Biology</i> , 2020 , 27, 1178-1184	17.6	18
89	Solid-state NMR sequential assignment of an Amyloid- β (1-42) fibril polymorph. <i>Biomolecular NMR Assignments</i> , 2016 , 10, 269-76	0.7	17
88	Determination of scalar coupling constants by inverse Fourier transformation of in-phase multiplets. <i>Journal of Magnetic Resonance</i> , 1992 , 99, 552-560		16
87	An atypical LIR motif within UBA5 (ubiquitin like modifier activating enzyme 5) interacts with GABARAP proteins and mediates membrane localization of UBA5. <i>Autophagy</i> , 2020 , 16, 256-270	10.2	16
86	Automated NMR resonance assignment strategy for RNA via the phosphodiester backbone based on high-dimensional through-bond APSY experiments. <i>Journal of Biomolecular NMR</i> , 2014 , 59, 87-93	3	15
85	Solution NMR Structure of Proteorhodopsin. <i>Angewandte Chemie</i> , 2011 , 123, 12148-12152	3.6	15
84	Calculating protein structures from NMR data. <i>Methods in Molecular Biology</i> , 1997 , 60, 157-94	1.4	15
83	Solution structure of the second RNA recognition motif (RRM) domain of murine T cell intracellular antigen-1 (TIA-1) and its RNA recognition mode. <i>Biochemistry</i> , 2008 , 47, 6437-50	3.2	15
82	NMR solution structure of the monomeric form of the bacteriophage lambda capsid stabilizing protein gpD. <i>Journal of Biomolecular NMR</i> , 2005 , 31, 351-6	3	15
81	Solution structure of the Src homology 2 domain from the human feline sarcoma oncogene Fes. <i>Journal of Biomolecular NMR</i> , 2005 , 31, 357-61	3	15
80	Determination of helix orientations in a flexible DNA by multi-frequency EPR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 29801-29811	3.6	14

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