

Lewis E Kay

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

178
papers

26,523
citations

81
h-index

162
g-index

178
ext. papers

28,278
ext. citations

10.3
avg, IF

6.96
L-index

#	Paper	IF	Citations
178	Interaction hot spots for phase separation revealed by NMR studies of a CAPRIN1 condensed phase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	11
177	Allovalency observed by transferred NOE: interactions of sulfated tyrosine residues in the N-terminal segment of CCR5 with the CCL5 chemokine. <i>FEBS Journal</i> , 2021 , 288, 1648-1663	5.7	2
176	A methyl-TROSY approach for NMR studies of high-molecular-weight DNA with application to the nucleosome core particle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 12836-12846	11.5	18
175	The methyl C-edited/C-filtered transferred NOE for studying protein interactions with short linear motifs. <i>Journal of Biomolecular NMR</i> , 2020 , 74, 681-693	3	3
174	An NMR View of Protein Dynamics in Health and Disease. <i>Annual Review of Biophysics</i> , 2019 , 48, 297-319	21.1	60
173	A Methyl-TROSY-Based H Relaxation Dispersion Experiment for Studies of Conformational Exchange in High Molecular Weight Proteins. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 6250-6254	16.4	18
172	The evolution of solution state NMR pulse sequences through the eyes of triple-resonance spectroscopy. <i>Journal of Magnetic Resonance</i> , 2019 , 306, 48-54	3	1
171	A Methyl-TROSY-Based ¹ H Relaxation Dispersion Experiment for Studies of Conformational Exchange in High Molecular Weight Proteins. <i>Angewandte Chemie</i> , 2019 , 131, 6316-6320	3.6	1
170	Revisiting H CPMG relaxation dispersion experiments: a simple modification can eliminate large artifacts. <i>Journal of Biomolecular NMR</i> , 2019 , 73, 641-650	3	4
169	Probing Conformational Exchange in Weakly Interacting, Slowly Exchanging Protein Systems via Off-Resonance R Experiments: Application to Studies of Protein Phase Separation. <i>Journal of the American Chemical Society</i> , 2018 , 140, 2115-2126	16.4	22
168	A methyl H double quantum CPMG experiment to study protein conformational exchange. <i>Journal of Biomolecular NMR</i> , 2018 , 72, 79-91	3	11
167	Measuring Solvent Hydrogen Exchange Rates by Multifrequency Excitation N CEST: Application to Protein Phase Separation. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 11206-11217	3.4	10
166	Longitudinal relaxation optimized amide H-CEST experiments for studying slow chemical exchange processes in fully protonated proteins. <i>Journal of Biomolecular NMR</i> , 2017 , 67, 295-307	3	13
165	Probing conformational dynamics in biomolecules via chemical exchange saturation transfer: a primer. <i>Journal of Biomolecular NMR</i> , 2017 , 67, 243-271	3	78
164	Structural and hydrodynamic properties of an intrinsically disordered region of a germ cell-specific protein on phase separation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E8194-E8203	11.5	227
163	Evolution of magnetization due to asymmetric dimerization: theoretical considerations and application to aberrant oligomers formed by apoSOD1(2SH). <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 5720-8	3.6	6
162	Probing the free energy landscapes of ALS disease mutants of SOD1 by NMR spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E6939-E6945	11.5	35

161	A magnet moment silenced: A tribute to my friend and mentor Alex D. Bain. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2016 , 45A, e21420	0.6	
160	Quantitative measurement of exchange dynamics in proteins via (13)C relaxation dispersion of (13)CHD2-labeled samples. <i>Journal of Biomolecular NMR</i> , 2016 , 65, 59-64	3	8
159	Solution NMR Spectroscopy Provides an Avenue for the Study of Functionally Dynamic Molecular Machines: The Example of Protein Disaggregation. <i>Journal of the American Chemical Society</i> , 2016 , 138, 1466-77	16.4	24
158	Evaluating the influence of initial magnetization conditions on extracted exchange parameters in NMR relaxation experiments: applications to CPMG and CEST. <i>Journal of Biomolecular NMR</i> , 2016 , 65, 143-156	3	2
157	Probing Invisible, Excited Protein States by Non-Uniformly Sampled Pseudo-4D CEST Spectroscopy. <i>Angewandte Chemie</i> , 2015 , 127, 10653-10657	3.6	5
156	Probing Invisible, Excited Protein States by Non-Uniformly Sampled Pseudo-4D CEST Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 10507-11	16.4	22
155	(13)CHD2-CEST NMR spectroscopy provides an avenue for studies of conformational exchange in high molecular weight proteins. <i>Journal of Biomolecular NMR</i> , 2015 , 63, 187-99	3	26
154	Thermal fluctuations of immature SOD1 lead to separate folding and misfolding pathways. <i>ELife</i> , 2015 , 4, e07296	8.9	67
153	Visualizing side chains of invisible protein conformers by solution NMR. <i>Journal of Molecular Biology</i> , 2014 , 426, 763-74	6.5	48
152	A similar in vitro and in cell lysate folding intermediate for the FF domain. <i>Journal of Molecular Biology</i> , 2014 , 426, 3214-3220	6.5	12
151	Probing the free energy landscape of the fast-folding gpW protein by relaxation dispersion NMR. <i>Journal of the American Chemical Society</i> , 2014 , 136, 7444-51	16.4	28
150	Bringing dynamic molecular machines into focus by methyl-TROSY NMR. <i>Annual Review of Biochemistry</i> , 2014 , 83, 291-315	29.1	162
149	Measuring hydrogen exchange rates in invisible protein excited states. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 8820-5	11.5	37
148	Probing non-specific interactions of Ca ²⁺ -calmodulin in E. coli lysate. <i>Journal of Biomolecular NMR</i> , 2013 , 55, 239-47	3	21
147	An R(1) ρ expression for a spin in chemical exchange between two sites with unequal transverse relaxation rates. <i>Journal of Biomolecular NMR</i> , 2013 , 55, 211-8	3	27
146	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, 10771-4	16.4	28
145	A Comparative CEST NMR Study of Slow Conformational Dynamics of Small GTPases Complexed with GTP and GTP Analogues. <i>Angewandte Chemie</i> , 2013 , 125, 10971-10974	3.6	5
144	Probing slow chemical exchange at carbonyl sites in proteins by chemical exchange saturation transfer NMR spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 4156-9	16.4	33

143	Probing Slow Chemical Exchange at Carbonyl Sites in Proteins by Chemical Exchange Saturation Transfer NMR Spectroscopy. <i>Angewandte Chemie</i> , 2013 , 125, 4250-4253	3.6	4
142	Folding of the four-helix bundle FF domain from a compact on-pathway intermediate state is governed predominantly by water motion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 19268-73	11.5	15
141	Structure of an intermediate state in protein folding and aggregation. <i>Science</i> , 2012 , 336, 362-6	33.3	292
140	Studying "invisible" excited protein states in slow exchange with a major state conformation. <i>Journal of the American Chemical Society</i> , 2012 , 134, 8148-61	16.4	321
139	NMR studies of protein structure and dynamics. 2005. <i>Journal of Magnetic Resonance</i> , 2011 , 213, 477-913		10
138	Divided-evolution-based pulse scheme for quantifying exchange processes in proteins: powerful complement to relaxation dispersion experiments. <i>Journal of the American Chemical Society</i> , 2011 , 133, 1935-45	16.4	11
137	Determining valine side-chain rotamer conformations in proteins from methyl ¹³ C chemical shifts: application to the 360 kDa half-proteasome. <i>Journal of the American Chemical Society</i> , 2011 , 133, 8272-81	16.4	47
136	Kay, Lewis E.: Structure and Dynamics of Proteins [Big and Small 2010 ,		1
135	Determination of Leu side-chain conformations in excited protein states by NMR relaxation dispersion. <i>Journal of the American Chemical Society</i> , 2010 , 132, 42-3	16.4	59
134	Protein dynamics and conformational disorder in molecular recognition. <i>Journal of Molecular Recognition</i> , 2010 , 23, 105-16	2.6	277
133	Methyl groups as probes of supra-molecular structure, dynamics and function. <i>Journal of Biomolecular NMR</i> , 2010 , 46, 75-87	3	133
132	Measurement of signs of chemical shift differences between ground and excited protein states: a comparison between H(S/M)QC and R1rho methods. <i>Journal of Biomolecular NMR</i> , 2010 , 46, 205-16	3	20
131	Observing biological dynamics at atomic resolution using NMR. <i>Trends in Biochemical Sciences</i> , 2009 , 34, 601-11	10.3	256
130	CPMG relaxation dispersion NMR experiments measuring glycine ¹ H alpha and ¹³ C alpha chemical shifts in the Q _{visible} Q _{excited} states of proteins. <i>Journal of Biomolecular NMR</i> , 2009 , 45, 45-55	3	34
129	Measuring ¹³ C beta chemical shifts of invisible excited states in proteins by relaxation dispersion NMR spectroscopy. <i>Journal of Biomolecular NMR</i> , 2009 , 44, 139-55	3	38
128	NMR spectroscopy brings invisible protein states into focus. <i>Nature Chemical Biology</i> , 2009 , 5, 808-14	11.7	342
127	Isotope labeling methods for studies of excited protein states by relaxation dispersion NMR spectroscopy. <i>Nature Protocols</i> , 2009 , 4, 1641-8	18.8	44
126	Accurate measurement of alpha proton chemical shifts of excited protein states by relaxation dispersion NMR spectroscopy. <i>Journal of the American Chemical Society</i> , 2009 , 131, 1915-26	16.4	65

125	Measurement of methyl group motional parameters of invisible, excited protein states by NMR spectroscopy. <i>Journal of the American Chemical Society</i> , 2009 , 131, 12745-54	16.4	26
124	An analysis of the effects of 1HN-(1)HN dipolar couplings on the measurement of amide bond vector orientations in invisible protein states by relaxation dispersion NMR. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 9968-77	3.4	6
123	An improved 15N relaxation dispersion experiment for the measurement of millisecond time-scale dynamics in proteins. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 5898-904	3.4	144
122	Probing invisible, low-populated States of protein molecules by relaxation dispersion NMR spectroscopy: an application to protein folding. <i>Accounts of Chemical Research</i> , 2008 , 41, 442-51	24.3	212
121	Probing chemical shifts of invisible states of proteins with relaxation dispersion NMR spectroscopy: how well can we do?. <i>Journal of the American Chemical Society</i> , 2008 , 130, 2667-75	16.4	142
120	Probing structure in invisible protein states with anisotropic NMR chemical shifts. <i>Journal of the American Chemical Society</i> , 2008 , 130, 2734-5	16.4	56
119	Using relaxation dispersion NMR spectroscopy to determine structures of excited, invisible protein states. <i>Journal of Biomolecular NMR</i> , 2008 , 41, 113-20	3	95
118	Measurement of carbonyl chemical shifts of excited protein states by relaxation dispersion NMR spectroscopy: comparison between uniformly and selectively (13)C labeled samples. <i>Journal of Biomolecular NMR</i> , 2008 , 42, 35-47	3	62
117	Probing side-chain dynamics in the proteasome by relaxation violated coherence transfer NMR spectroscopy. <i>Journal of the American Chemical Society</i> , 2007 , 129, 1743-50	16.4	97
116	Three-Dimensional HMQC-NOESY, NOESY-HMQC, and NOESY-HSQC 2007 ,		1
115	Solution NMR of supramolecular complexes: providing new insights into function. <i>Nature Methods</i> , 2007 , 4, 697-703	21.6	138
114	Quantitative dynamics and binding studies of the 20S proteasome by NMR. <i>Nature</i> , 2007 , 445, 618-22	50.4	415
113	Strong coupling effects during X-pulse CPMG experiments recorded on heteronuclear ABX spin systems: artifacts and a simple solution. <i>Journal of Biomolecular NMR</i> , 2007 , 38, 41-6	3	18
112	A single-quantum methyl 13C-relaxation dispersion experiment with improved sensitivity. <i>Journal of Biomolecular NMR</i> , 2007 , 38, 79-88	3	96
111	Fractional 13C enrichment of isolated carbons using [1-13C]- or [2-13C]-glucose facilitates the accurate measurement of dynamics at backbone Calpha and side-chain methyl positions in proteins. <i>Journal of Biomolecular NMR</i> , 2007 , 38, 199-212	3	145
110	Phi-value analysis of a three-state protein folding pathway by NMR relaxation dispersion spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 15717-22	11.5	46
109	Conformational instability of the MARK3 UBA domain compromises ubiquitin recognition and promotes interaction with the adjacent kinase domain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 14336-41	11.5	39
108	Measurement of bond vector orientations in invisible excited states of proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 18473-7	11.5	154

107	The folding pathway of an FF domain: characterization of an on-pathway intermediate state under folding conditions by (15)N, (13)C(alpha) and (13)C-methyl relaxation dispersion and (1)H/(2)H-exchange NMR spectroscopy. <i>Journal of Molecular Biology</i> , 2007 , 372, 497-512	6.5	51
106	New tools provide new insights in NMR studies of protein dynamics. <i>Science</i> , 2006 , 312, 224-8	33.3	638
105	Abp1p and Fyn SH3 domains fold through similar low-populated intermediate states. <i>Biochemistry</i> , 2006 , 45, 10175-83	3.2	37
104	Functional dynamics of human FKBP12 revealed by methyl 13C rotating frame relaxation dispersion NMR spectroscopy. <i>Journal of the American Chemical Society</i> , 2006 , 128, 5718-27	16.4	55
103	Identification of a collapsed intermediate with non-native long-range interactions on the folding pathway of a pair of Fyn SH3 domain mutants by NMR relaxation dispersion spectroscopy. <i>Journal of Molecular Biology</i> , 2006 , 363, 958-76	6.5	73
102	Multiple-site exchange in proteins studied with a suite of six NMR relaxation dispersion experiments: an application to the folding of a Fyn SH3 domain mutant. <i>Journal of the American Chemical Society</i> , 2005 , 127, 15602-11	16.4	84
101	Side-chain interactions in the folding pathway of a Fyn SH3 domain mutant studied by relaxation dispersion NMR spectroscopy. <i>Biochemistry</i> , 2005 , 44, 15430-6	3.2	28
100	Solution structure and dynamics of integral membrane proteins by NMR: a case study involving the enzyme PagP. <i>Methods in Enzymology</i> , 2005 , 394, 335-50	1.7	27
99	NMR studies of protein structure and dynamics. <i>Journal of Magnetic Resonance</i> , 2005 , 173, 193-207	3	229
98	Intrinsic dynamics of an enzyme underlies catalysis. <i>Nature</i> , 2005 , 438, 117-21	50.4	925
97	Quantitative NMR spectroscopy of supramolecular complexes: dynamic side pores in ClpP are important for product release. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 16678-83	11.5	175
96	Low-populated folding intermediates of Fyn SH3 characterized by relaxation dispersion NMR. <i>Nature</i> , 2004 , 430, 586-90	50.4	410
95	An isotope labeling strategy for methyl TROSY spectroscopy. <i>Journal of Biomolecular NMR</i> , 2004 , 28, 165-72	3	192
94	Nuclear magnetic resonance spectroscopy of high-molecular-weight proteins. <i>Annual Review of Biochemistry</i> , 2004 , 73, 107-46	29.1	218
93	Model selection for the interpretation of protein side chain methyl dynamics. <i>Journal of Biomolecular NMR</i> , 2003 , 25, 325-33	3	13
92	Methyl TROSY: explanation and experimental verification. <i>Magnetic Resonance in Chemistry</i> , 2003 , 41, 843-852	2.1	153
91	Side chain assignments of Ile delta 1 methyl groups in high molecular weight proteins: an application to a 46 ns tumbling molecule. <i>Journal of the American Chemical Society</i> , 2003 , 125, 5701-6	16.4	45
90	Probing residual interactions in unfolded protein states using NMR spin relaxation techniques: an application to delta131delta. <i>Journal of the American Chemical Society</i> , 2003 , 125, 11988-92	16.4	19

89	Ile, Leu, and Val methyl assignments of the 723-residue malate synthase G using a new labeling strategy and novel NMR methods. <i>Journal of the American Chemical Society</i> , 2003 , 125, 13868-78	16.4	279
88	Side chain dynamics in unfolded protein states: an NMR based 2H spin relaxation study of delta131delta. <i>Journal of the American Chemical Society</i> , 2003 , 125, 1748-58	16.4	43
87	The effects of mutations on motions of side-chains in protein L studied by 2H NMR dynamics and scalar couplings. <i>Journal of Molecular Biology</i> , 2003 , 329, 551-63	6.5	54
86	A "three-pronged" binding mechanism for the SAP/SH2D1A SH2 domain: structural basis and relevance to the XLP syndrome. <i>EMBO Journal</i> , 2002 , 21, 314-23	13	73
85	Solution structure and dynamics of the outer membrane enzyme PagP by NMR. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 13560-5	11.5	282
84	Multidimensional 2H-Based NMR Methods for Resonance Assignment, Structure Determination, and The Study of Protein Dynamics 2002 , 27-74		2
83	Four-dimensional NMR spectroscopy of a 723-residue protein: chemical shift assignments and secondary structure of malate synthase g. <i>Journal of the American Chemical Society</i> , 2002 , 124, 10025-35	16.4	205
82	Reconstructing NMR spectra of "invisible" excited protein states using HSQC and HMQC experiments. <i>Journal of the American Chemical Society</i> , 2002 , 124, 12352-60	16.4	155
81	Distribution of molecular size within an unfolded state ensemble using small-angle X-ray scattering and pulse field gradient NMR techniques. <i>Journal of Molecular Biology</i> , 2002 , 316, 101-12	6.5	158
80	Deuterium spin probes of side-chain dynamics in proteins. 2. Spectral density mapping and identification of nanosecond time-scale side-chain motions. <i>Journal of the American Chemical Society</i> , 2002 , 124, 6449-60	16.4	115
79	Direct structure refinement of high molecular weight proteins against residual dipolar couplings and carbonyl chemical shift changes upon alignment: an application to maltose binding protein. <i>Journal of Biomolecular NMR</i> , 2001 , 21, 31-40	3	46
78	Multidimensional NMR methods for protein structure determination. <i>IUBMB Life</i> , 2001 , 52, 291-302	4.7	95
77	Latent and active p53 are identical in conformation. <i>Nature Structural Biology</i> , 2001 , 8, 756-60		227
76	Studying excited states of proteins by NMR spectroscopy. <i>Nature Structural Biology</i> , 2001 , 8, 932-5		332
75	Slow dynamics in folded and unfolded states of an SH3 domain. <i>Journal of the American Chemical Society</i> , 2001 , 123, 11341-52	16.4	408
74	Nuclear magnetic resonance methods for high molecular weight proteins: a study involving a complex of maltose binding protein and beta-cyclodextrin. <i>Methods in Enzymology</i> , 2001 , 339, 174-203	1.7	47
73	Ligand-induced structural changes to maltodextrin-binding protein as studied by solution NMR spectroscopy. <i>Journal of Molecular Biology</i> , 2001 , 309, 961-74	6.5	114
72	Measurement of (13)C(alpha)-(13)C(beta) dipolar couplings in (15)N,(13)C,(2)H-labeled proteins: application to domain orientation in maltose binding protein. <i>Journal of the American Chemical Society</i> , 2001 , 123, 2858-64	16.4	25

71	The NMR structure of the 38 kDa U1A protein - PIE RNA complex reveals the basis of cooperativity in regulation of polyadenylation by human U1A protein. <i>Nature Structural Biology</i> , 2000 , 7, 329-35		110
70	New developments in isotope labeling strategies for protein solution NMR spectroscopy. <i>Current Opinion in Structural Biology</i> , 2000 , 10, 585-92	8.1	190
69	Assignment of ¹ H(N), ¹⁵ N, ¹³ C(alpha), ¹³ CO and ¹³ C(beta) resonances in a 67 kDa p53 dimer using 4D-TROSY NMR spectroscopy. <i>Journal of Biomolecular NMR</i> , 2000 , 18, 173-6	3	27
68	A method for incorporating dipolar couplings into structure calculations in cases of (near) axial symmetry of alignment. <i>Journal of Biomolecular NMR</i> , 2000 , 18, 183-8	3	13
67	Orienting domains in proteins using dipolar couplings measured by liquid-state NMR: differences in solution and crystal forms of maltodextrin binding protein loaded with beta-cyclodextrin. <i>Journal of Molecular Biology</i> , 2000 , 295, 1265-73	6.5	181
66	Global folds of proteins with low densities of NOEs using residual dipolar couplings: application to the 370-residue maltodextrin-binding protein. <i>Journal of Molecular Biology</i> , 2000 , 300, 197-212	6.5	147
65	A 4D TROSY-based pulse scheme for correlating ¹ H _{Ni} , ¹⁵ N _i , ¹³ C _{alpha} _i , ¹³ C _{omega} ₁ chemical shifts in high molecular weight, ¹⁵ N, ¹³ C, ² H labeled proteins. <i>Journal of Biomolecular NMR</i> , 1999 , 15, 309-13	3	44
64	TROSY-based HNCQ pulse sequences for the measurement of ¹ H _N - ¹⁵ N, ¹⁵ N- ¹³ CO, ¹ H _N - ¹³ CO, ¹³ CO- ¹³ C and ¹ H _N - ¹³ C dipolar couplings in ¹⁵ N, ¹³ C, ² H-labeled proteins. <i>Journal of Biomolecular NMR</i> , 1999 , 14, 333-343	3	100
63	A robust and cost-effective method for the production of Val, Leu, Ile (delta 1) methyl-protonated ¹⁵ N-, ¹³ C-, ² H-labeled proteins. <i>Journal of Biomolecular NMR</i> , 1999 , 13, 369-74	3	420
62	TROSY Triple-Resonance Four-Dimensional NMR Spectroscopy of a 46 ns Tumbling Protein. <i>Journal of the American Chemical Society</i> , 1999 , 121, 2571-2575	16.4	139
61	NOE data demonstrating a compact unfolded state for an SH3 domain under non-denaturing conditions. <i>Journal of Molecular Biology</i> , 1999 , 289, 619-38	6.5	149
60	An HNCQ-based Pulse Scheme for the Measurement of ¹³ C- ¹ H One-bond Dipolar couplings in ¹⁵ N, ¹³ C Labeled Proteins. <i>Journal of Biomolecular NMR</i> , 1998 , 12, 325-32	3	50
59	Subunit-specific backbone NMR assignments of a 64 kDa trp repressor/DNA complex: a role for N-terminal residues in tandem binding. <i>Journal of Biomolecular NMR</i> , 1998 , 11, 307-18	3	19
58	Analytical description of the effect of adiabatic pulses on IS, I2S, and I3S spin systems. <i>Journal of Magnetic Resonance</i> , 1998 , 130, 169-75	3	13
57	Independent ligand-induced folding of the RNA-binding domain and two functionally distinct antitermination regions in the phage lambda N protein. <i>Molecular Cell</i> , 1998 , 1, 265-75	17.6	84
56	NMR structure of the bacteriophage lambda N peptide/boxB RNA complex: recognition of a GNRA fold by an arginine-rich motif. <i>Cell</i> , 1998 , 93, 289-99	56.2	229
55	Solution structure of a TBP-TAF(II)230 complex: protein mimicry of the minor groove surface of the TATA box unwound by TBP. <i>Cell</i> , 1998 , 94, 573-83	56.2	191
54	NMR studies of tandem WW domains of Nedd4 in complex with a PY motif-containing region of the epithelial sodium channel. <i>Biochemistry and Cell Biology</i> , 1998 , 76, 341-350	3.6	34

53	Significantly Improved Resolution for NOE Correlations from Valine and Isoleucine (C α) Methyl Groups in 15N,13C- and 15N,13C,2H-Labeled Proteins. <i>Journal of the American Chemical Society</i> , 1998 , 120, 4825-4831	16.4	28
52	A study of protein side-chain dynamics from new 2H auto-correlation and 13C cross-correlation NMR experiments: application to the N-terminal SH3 domain from drk. <i>Journal of Molecular Biology</i> , 1998 , 276, 939-54	6.5	108
51	Backbone and methyl dynamics of the regulatory domain of troponin C: anisotropic rotational diffusion and contribution of conformational entropy to calcium affinity. <i>Journal of Molecular Biology</i> , 1998 , 278, 667-86	6.5	118
50	The use of 2H, 13C, 15N multidimensional NMR to study the structure and dynamics of proteins. <i>Annual Review of Biophysics and Biomolecular Structure</i> , 1998 , 27, 357-406		511
49	The Development of NMR Methods to Study Protein Structure and Dynamics 1998 , 285-293		
48	Global folds of highly deuterated, methyl-protonated proteins by multidimensional NMR. <i>Biochemistry</i> , 1997 , 36, 1389-401	3.2	231
47	Production and Incorporation of 15N, 13C, 2H (1H- α Methyl) Isoleucine into Proteins for Multidimensional NMR Studies. <i>Journal of the American Chemical Society</i> , 1997 , 119, 7599-7600	16.4	221
46	Characterization of the backbone dynamics of folded and denatured states of an SH3 domain. <i>Biochemistry</i> , 1997 , 36, 2390-402	3.2	148
45	Methods for Measurement of Intermolecular NOEs by Multinuclear NMR Spectroscopy: Application to a Bacteriophage λ -N-Peptide/boxBRNA Complex. <i>Journal of the American Chemical Society</i> , 1997 , 119, 6711-6721	16.4	529
44	Comprehensive NOE characterization of a partially folded large fragment of staphylococcal nuclease Delta131Delta, using NMR methods with improved resolution. <i>Journal of Molecular Biology</i> , 1997 , 272, 9-20	6.5	56
43	Contributions to protein entropy and heat capacity from bond vector motions measured by NMR spin relaxation. <i>Journal of Molecular Biology</i> , 1997 , 272, 790-804	6.5	134
42	Solution NMR spectroscopy beyond 25 kDa. <i>Current Opinion in Structural Biology</i> , 1997 , 7, 722-31	8.1	153
41	Specific (15)N, NH correlations for residues in(15) N, (13)C and fractionally deuterated proteins that immediately follow methyl-containing amino acids. <i>Journal of Biomolecular NMR</i> , 1997 , 10, 283-8	3	11
40	Stereospecific assignment of the NH2 resonances from the primary amides of asparagine and glutamine side chains in isotopically labeled proteins. <i>Journal of Biomolecular NMR</i> , 1997 , 9, 306-12	3	29
39	Triple-resonance NOESY-based experiments with improved spectral resolution: applications to structural characterization of unfolded, partially folded and folded proteins. <i>Journal of Biomolecular NMR</i> , 1997 , 9, 181-200	3	69
38	Structure and dynamics of bacteriophage λ major coat protein in MPG micelles by solution NMR. <i>Biochemistry</i> , 1996 , 35, 5145-57	3.2	75
37	Assignment of 15N, 13C- β -13C β and HN Resonances in an 15N,13C,2H Labeled 64 kDa Trp Repressor-Operator Complex Using Triple-Resonance NMR Spectroscopy and 2H-Decoupling. <i>Journal of the American Chemical Society</i> , 1996 , 118, 6570-6579	16.4	127
36	Selective methyl group protonation of perdeuterated proteins. <i>Journal of Molecular Biology</i> , 1996 , 263, 627-36	6.5	272

35	An (H)C(CO)NH-TOCSY pulse scheme for sequential assignment of protonated methyl groups in otherwise deuterated (¹⁵ N, (¹³ C)-labeled proteins. <i>Journal of Biomolecular NMR</i> , 1996 , 8, 351-6	3	85
34	Protein Dynamics as Studied by Solution NMR Techniques 1996 , 241-279		12
33	Structural, Dynamic, and Folding Studies of SH2 and SH3 Domains 1996 , 35-47		
32	Spectral density function mapping using ¹⁵ N relaxation data exclusively. <i>Journal of Biomolecular NMR</i> , 1995 , 6, 153-62	3	454
31	Direct demonstration of an intramolecular SH2-phosphotyrosine interaction in the Crk protein. <i>Nature</i> , 1995 , 374, 477-9	50.4	128
30	Pulsed field gradient multi-dimensional NMR methods for the study of protein structure and dynamics in solution. <i>Progress in Biophysics and Molecular Biology</i> , 1995 , 63, 277-99	4.7	126
29	Solution Structure of a Cellulose-Binding Domain from <i>Cellulomonas fimi</i> by Nuclear Magnetic Resonance Spectroscopy. <i>Biochemistry</i> , 1995 , 34, 6993-7009	3.2	217
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