

Masatsune Kainosho

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Conformational features and ionization states of Lys side chains in a protein studied using the stereo-array isotope labeling (SAIL) method. <i>Magnetic Resonance</i> , 2021, 2, 223-237.	0.8	0
2	Stereo-Array Isotope Labeling (SAIL) and Related Methods. , 2021, , 1-3.		0
3	Recent developments in isotope-aided NMR methods for supramolecular protein complexes â€“SAIL aromatic TROSY. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020, 1864, 129439.	1.1	7
4	Pressure dependence of side chain ¹ H and ¹⁵ N-chemical shifts in the model peptides Ac-Gly-Gly-Xxx-Ala-NH ₂ . <i>Journal of Biomolecular NMR</i> , 2020, 74, 381-399.	1.6	1
5	Aromatic Ring Dynamics, Thermal Activation, and Transient Conformations of a 468 kDa Enzyme by Specific ¹ H-â€“ ¹³ C Labeling and Fast Magic-Angle Spinning NMR. <i>Journal of the American Chemical Society</i> , 2019, 141, 11183-11195.	6.6	43
6	Isotope-Aided Methods for Biological NMR Spectroscopy: Past, Present, and Future. , 2018, , 37-61.		5
7	A Numbâ€“Mdm2 fuzzy complex reveals an isoform-specific involvement of Numb in breast cancer. <i>Journal of Cell Biology</i> , 2018, 217, 745-762.	2.3	33
8	Perspective: next generation isotope-aided methods for protein NMR spectroscopy. <i>Journal of Biomolecular NMR</i> , 2018, 71, 119-127.	1.6	14
9	Stable-Isotope-Aided NMR Spectroscopy. , 2018, , 469-486.		0
10	Evolution and diversification of the plant gibberellin receptor GID1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E7844-E7853.	3.3	51
11	Structural and Functional Analysis of the C-Terminal Region of FliG, an Essential Motor Component of Vibrio Na ⁺ -Driven Flagella. <i>Structure</i> , 2017, 25, 1540-1548.e3.	1.6	13
12	Pressure dependence of side chain ¹³ C chemical shifts in model peptides Ac-Gly-Gly-Xxx-Ala-NH ₂ . <i>Journal of Biomolecular NMR</i> , 2017, 69, 53-67.	1.6	8
13	¹³ C-NMR studies on disulfide bond isomerization in bovine pancreatic trypsin inhibitor (BPTI). <i>Journal of Biomolecular NMR</i> , 2016, 66, 37-53.	1.6	7
14	Highly efficient residue-selective labeling with isotope-labeled Ile, Leu, and Val using a new auxotrophic E. coli strain. <i>Journal of Biomolecular NMR</i> , 2016, 65, 109-119.	1.6	29
15	Stable-Isotope-Aided NMR Spectroscopy. , 2016, , 1-18.		1
16	Differential Large-Amplitude Breathing Motions in the Interface of FKBP12â€“Drug Complexes. <i>Biochemistry</i> , 2015, 54, 6983-6995.	1.2	24
17	Nano-mole scale sequential signal assignment by ¹ H-detected protein solid-state NMR. <i>Chemical Communications</i> , 2015, 51, 15055-15058.	2.2	39
18	Nano-Mole Scale Side-Chain Signal Assignment by ¹ H-Detected Protein Solid-State NMR by Ultra-Fast Magic-Angle Spinning and Stereo-Array Isotope Labeling. <i>PLoS ONE</i> , 2015, 10, e0122714.	1.1	16

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19	Automated resonance assignment of the 21 kDa stereo-array isotope labeled thioldisulfide oxidoreductase DsbA. <i>Journal of Magnetic Resonance</i> , 2014, 249, 88-93.	1.2	7
20	Use of H/D isotope effects to gather information about hydrogen bonding and hydrogen exchange rates. <i>Journal of Magnetic Resonance</i> , 2014, 241, 148-154.	1.2	26
21	Expression and purification of a GRAS domain of SLR1, the rice DELLA protein. <i>Protein Expression and Purification</i> , 2014, 95, 248-258.	0.6	21
22	Differential isotope-labeling for Leu and Val residues in a protein by <i>E. coli</i> cellular expression using stereo-specifically methyl labeled amino acids. <i>Journal of Biomolecular NMR</i> , 2013, 57, 237-249.	1.6	35
23	Cell-Free Protein Synthesis Using <i>E. coli</i> Cell Extract for NMR Studies. <i>Advances in Experimental Medicine and Biology</i> , 2012, 992, 167-177.	0.8	14
24	Stereo-Array Isotope Labeling Method for Studying Protein Structure and Dynamics. <i>Advances in Experimental Medicine and Biology</i> , 2012, 992, 83-93.	0.8	10
25	Cell-Free Protein Production for NMR Studies. <i>Methods in Molecular Biology</i> , 2012, 831, 71-84.	0.4	21
26	1B1424 Solution NMR analysis of FUG C-terminal domain derived from Na ⁺ -driven motor of <i>Vibrio</i> (Proteins: Structure & Function I, Oral Presentation, The 50th Annual Meeting of the Biophysical Society, 2012, 10.1117/1.3610101)		
27	Conformational analysis by quantitative NOE measurements of the β^2 -proton pairs across individual disulfide bonds in proteins. <i>Journal of Biomolecular NMR</i> , 2012, 52, 127-139.	1.6	13
28	Synthesis of Stereoarray Isotope Labeled (SAIL) Lysine via the α -Head-to-Tail Conversion of SAIL Glutamic Acid. <i>Organic Letters</i> , 2011, 13, 161-163.	2.4	12
29	Hydrogen Exchange Study on the Hydroxyl Groups of Serine and Threonine Residues in Proteins and Structure Refinement Using NOE Restraints with Polar Side-Chain Groups. <i>Journal of the American Chemical Society</i> , 2011, 133, 17420-17427.	6.6	24
30	Exclusively NOESY-based automated NMR assignment and structure determination of proteins. <i>Journal of Biomolecular NMR</i> , 2011, 50, 137-146.	1.6	26
31	Alternative SAIL-Trp for robust aromatic signal assignment and determination of the β^2 conformation by intra-residue NOEs. <i>Journal of Biomolecular NMR</i> , 2011, 51, 425-435.	1.6	24
32	Hydrogen exchange during cell-free incorporation of deuterated amino acids and an approach to its inhibition. <i>Journal of Biomolecular NMR</i> , 2011, 51, 467-476.	1.6	26
33	Solution NMR Structure of Proteorhodopsin. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11942-11946.	7.2	162
34	Construction and performance of an NMR tube with a sample cavity formed within magnetic susceptibility-matched glass. <i>Journal of Magnetic Resonance</i> , 2011, 209, 167-173.	1.2	27
35	Application of SAIL phenylalanine and tyrosine with alternative isotope-labeling patterns for protein structure determination. <i>Journal of Biomolecular NMR</i> , 2010, 46, 45-49.	1.6	38
36	^1H -detected ^1H - ^1H correlation spectroscopy of a stereo-array isotope labeled amino acid under fast magic-angle spinning. <i>Journal of Magnetic Resonance</i> , 2010, 203, 253-256.	1.2	8

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37	Detection of the Sulfhydryl Groups in Proteins with Slow Hydrogen Exchange Rates and Determination of Their Proton/Deuteron Fractionation Factors Using the Deuterium-Induced Effects on the ^{13}C NMR Signals. <i>Journal of the American Chemical Society</i> , 2010, 132, 6254-6260.	6.6	29
38	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, 261-272.	1.6	27
39	Assymmetric synthesis of (2S,3R)- and (2S,3S)-[2- ^{13}C ;3- ^2H] glutamic acid. <i>Tetrahedron Letters</i> , 2009, 50, 1482-1484.	0.7	12
40	Hydrogen Exchange Rate of Tyrosine Hydroxyl Groups in Proteins As Studied by the Deuterium Isotope Effect on ^{13}C Chemical Shifts. <i>Journal of the American Chemical Society</i> , 2009, 131, 18556-18562.	6.6	48
41	SAIL " stereo-array isotope labeling. <i>Quarterly Reviews of Biophysics</i> , 2009, 42, 247-300.	2.4	64
42	Protein NMR Study Expanded by the SAIL Method. <i>Seibutsu Butsuri</i> , 2009, 49, 206-209.	0.0	0
43	Recent Developments in Stable-Isotope-Aided Methods for Protein NMR Spectroscopy. , 2008, , 215-222.		0
44	Stable isotope labeling methods for protein NMR spectroscopy. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2008, 53, 208-226.	3.9	85
45	Structure of the putative 32 kDa myrosinase-binding protein from <i>Arabidopsis</i> (At3g16450.1) determined by SAIL-NMR. <i>FEBS Journal</i> , 2008, 275, 5873-5884.	2.2	28
46	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, 608-622.	2.0	111
47	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.	2.0	21
48	Stereoselective Synthesis of Triply Isotope-Labeled Ser, Cys, and Ala: Amino Acids for Stereoarray Isotope Labeling Technology. <i>Organic Letters</i> , 2008, 10, 2785-2787.	2.4	18
49	Automated structure determination of proteins with the SAIL-FLYA NMR method. <i>Nature Protocols</i> , 2007, 2, 2896-2902.	5.5	48
50	Biosynthesis of Quinolactacin A, a TNF Production Inhibitor. <i>Journal of Antibiotics</i> , 2006, 59, 418-427.	1.0	19
51	Optimal isotope labelling for NMR protein structure determinations. <i>Nature</i> , 2006, 440, 52-57.	13.7	442
52	Evaluation of stereo-array isotope labeling (SAIL) patterns for automated structural analysis of proteins with CYANA. <i>Magnetic Resonance in Chemistry</i> , 2006, 44, S152-S157.	1.1	32
53	Carbon-13 NMR Method for the Detection of Correlated Hydrogen Exchange at Adjacent Backbone Peptide Amides and Its Application to Hydrogen Exchange in Five Antiparallel 2 Strands within the Hydrophobic Core of Streptomyces Subtilisin Inhibitor (SSI). <i>Biochemistry</i> , 2005, 44, 11811-11820.	1.2	15
54	NMR Assignment Methods for the Aromatic Ring Resonances of Phenylalanine and Tyrosine Residues in Proteins. <i>Journal of the American Chemical Society</i> , 2005, 127, 12620-12626.	6.6	46

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55	Structural Basis of a Myosin Phosphatase Inhibitory Protein, CPI-17. <i>Seibutsu Butsuri</i> , 2005, 45, 72-77.	0.0	0
56	Efficient production of isotopically labeled proteins by cell-free synthesis: A practical protocol. <i>Journal of Biomolecular NMR</i> , 2004, 30, 311-325.	1.6	124
57	Letter to the editor: ¹ H, ¹³ C and ¹⁵ N backbone assignment of a 32 kDa hypothetical protein from <i>Arabidopsis thaliana</i> , At3g16450.1. <i>Journal of Biomolecular NMR</i> , 2004, 30, 357-358.	1.6	2
58	Phosphorylation-induced conformational change responsible for the function of a myosin phosphatase inhibitor, CPI-17. <i>Science and Technology of Advanced Materials</i> , 2004, 5, 383-386.	2.8	1
59	A New Stable-Isotope-Aided NMR Method for Structural Determinations of Proteins: The SAIL Method. <i>Seibutsu Butsuri</i> , 2004, 44, 200-205.	0.0	2
60	Rotational diffusion tensor of nucleic acids from ¹³ C NMR relaxation. <i>Journal of Biomolecular NMR</i> , 2003, 27, 133-142.	1.6	49
61	Distinctive Solution Conformation of Phosphatase Inhibitor CPI-17 Substituted with Aspartate at the Phosphorylation-site Threonine Residue. <i>Journal of Molecular Biology</i> , 2003, 326, 1539-1547.	2.0	16
62	Solid-Phase Synthesis of Selectively Labeled DNA: Applications for Multidimensional Nuclear Magnetic Resonance Spectroscopy. <i>Methods in Enzymology</i> , 2002, 338, 261-283.	0.4	14
63	Characterization of the ATP-Binding Domain of the Sarco(endoplasmic Reticulum) Ca ²⁺ -ATPase: Probing Nucleotide Binding by Multidimensional NMR. <i>Biochemistry</i> , 2002, 41, 1156-1164.	1.2	32
64	NMR structure of <i>Streptomyces</i> killer toxin-like protein, SKLP: further evidence for the wide distribution of single-domain ¹² I ³ -crystallin superfamily proteins. <i>Journal of Molecular Biology</i> , 2001, 305, 109-120.	2.0	26
65	Solution NMR structure of the myosin phosphatase inhibitor protein CPI-17 shows phosphorylation-induced conformational changes responsible for activation 1 Edited by P. E. Wright. <i>Journal of Molecular Biology</i> , 2001, 314, 839-849.	2.0	38
66	Synthesis of ¹³ C/D Doubly Labeled Leucines: Probes for Conformational Analysis of the Leucine Side-chain. <i>Journal of Organic Chemistry</i> , 2001, 66, 5919-5922.	1.7	17
67	[¹³ C, ¹³ C]- and [¹³ C, ¹ H]-TROSY in a Triple Resonance Experiment for Ribose Base and Intra-base Correlations in Nucleic Acids I. <i>Journal of the American Chemical Society</i> , 2001, 123, 658-664.	6.6	61
68	Developing model systems for the NMR study of substituent effects on the N-H...N hydrogen bond in duplex DNA. <i>Magnetic Resonance in Chemistry</i> , 2001, 39, S159-S165.	1.1	29
69	H...N hydrogen bond lengths in double stranded DNA from internucleotide dipolar couplings. <i>Journal of Biomolecular NMR</i> , 2001, 19, 361-365.	1.6	21
70	Sugar conformation of a stereospecific 2'-R or 2'-S deuterium-labeled DNA decamer studied with proton-proton J coupling constants. <i>Journal of Biomolecular NMR</i> , 2001, 19, 19-31.	1.6	7
71	Backbone ¹ H, ¹³ C, and ¹⁵ N resonance assignments of an 18.2 kDa protein, <i>E. coli</i> peptidyl-prolyl cis-trans isomerase b (EPP1b). <i>Journal of Biomolecular NMR</i> , 2000, 18, 75-76.	1.6	15
72	Determination of ² J(HN) and ¹ J(HN) coupling constants across Watson-Crick base pairs in the Antennapedia homeodomain-DNA complex using TROSY. <i>Journal of Biomolecular NMR</i> , 2000, 16, 39-46.	1.6	43

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73	Three-dimensional structure determination of a uniformly labeled molecule by frequency-selective dipolar recoupling under magic-angle spinning. <i>Journal of Biomolecular NMR</i> , 2000, 17, 111-123.	1.6	37
74	Structural comparison between wild-type and P25S human cystatin A by NMR spectroscopy. Does this mutation affect the alpha-helix conformation?. <i>Journal of Structural and Functional Genomics</i> , 2000, 1, 26-42.	1.2	7
75	Studies of physicochemical properties of N-H...N hydrogen bonds in DNA, using selective ¹⁵ N-labeling and direct ¹⁵ N 1D NMR. <i>Journal of Biomolecular NMR</i> , 2000, 18, 269-277.	1.6	22
76	Trends in Structure and Growth of Higher Fullerenes Isomer Structure of C ₈₆ and C ₈₈ . <i>Molecular Crystals and Liquid Crystals</i> , 2000, 340, 553-558.	0.3	49
77	The NMR Structure of a DNA Dodecamer in an Aqueous Dilute Liquid Crystalline Phase. <i>Journal of the American Chemical Society</i> , 2000, 122, 6190-6200.	6.6	201
78	Direct Observation of Hydrogen Bonding in Biomolecules by NMR. <i>Seibutsu Butsuri</i> , 2000, 40, 379-384.	0.0	1
79	¹³ C-NMR Relaxation Analysis of Nucleic Acid Structure and Dynamics. <i>Seibutsu Butsuri</i> , 2000, 40, 191-194.	0.0	0
80	Backbone ¹ H, ¹³ C, and ¹⁵ N resonance assignments of <i>Streptomyces subtilisin</i> inhibitor. <i>Journal of Biomolecular NMR</i> , 1999, 14, 285-286.	1.6	0
81	Quantitative Measurement of Transverse and Longitudinal Cross-Correlation between ¹³ C- ¹ H Dipolar Interaction and ¹³ C Chemical Shift Anisotropy: Application to a ¹³ C-Labeled DNA Duplex. <i>Journal of Magnetic Resonance</i> , 1999, 136, 169-175.	1.2	17
82	The 2D { ³¹ P} Spin-Echo-Difference Constant-Time [¹³ C, ¹ H]-HMQC Experiment for Simultaneous Determination of ³ J _{H3} and ³ J _{C4} in ¹³ C-Labeled Nucleic Acids and Their Protein Complexes. <i>Journal of Magnetic Resonance</i> , 1999, 140, 491-494.	1.2	20
83	Stereodivergent Synthesis of (2S,3S,4R,5R)- and (2S,3S,4R,5S)-[3,4,5-D ³]Proline Depending on the Substituent of the ¹³ C-Lactam Ring. <i>Journal of Organic Chemistry</i> , 1999, 64, 9275-9278.	1.7	17
84	Determination of the Complete Structure of a Uniformly Labeled Molecule by Rotational Resonance Solid-State NMR in the Tilted Rotating Frame. <i>Journal of the American Chemical Society</i> , 1999, 121, 4064-4065.	6.6	87
85	Analysis of the relationship between enzyme activity and its internal motion using nuclear magnetic resonance: ¹⁵ N relaxation studies of wild-type and mutant lysozyme 1 Edited by P. E. Wright. <i>Journal of Molecular Biology</i> , 1999, 286, 1547-1565.	2.0	53
86	Conformational Changes of the BS2 Operator DNA upon Complex Formation with the Antennapedia Homeodomain Studied by NMR with ¹³ C/ ¹⁵ N-labeled DNA. <i>Journal of Molecular Biology</i> , 1999, 292, 609-617.	2.0	14
87	Differential isotope labeling strategy for determining the structure of myristoylated recoverin by NMR spectroscopy. <i>Journal of Biomolecular NMR</i> , 1998, 11, 135-152.	1.6	25
88	Dual amino acid-selective and site-directed stable-isotope labeling of the human c-Ha-Ras protein by cell-free synthesis. <i>Journal of Biomolecular NMR</i> , 1998, 11, 295-306.	1.6	126
89	NMR with (¹³ C, (¹⁵ N)-doubly-labeled DNA: The shape Antennapedia homeodomain complex with a 14-mer DNA duplex. <i>Journal of Biomolecular NMR</i> , 1998, 12, 25-37.	1.6	26
90	Stereospecific assignment of H5' and H5 ³ in a (5'R)-/(5'S)-deuterium- labeled DNA decamer for (3) J (HH) determination and unambiguous NOE assignments. <i>Journal of Biomolecular NMR</i> , 1998, 11, 103-109.	1.6	14

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91	NMR structure of the histidine kinase domain of the E. coli osmosensor EnvZ. <i>Nature</i> , 1998, 396, 88-92.	13.7	248
92	DNA Duplex Dynamics: NMR Relaxation Studies of a Decamer with Uniformly ^{13}C -Labeled Purine Nucleotides. <i>Journal of Magnetic Resonance</i> , 1998, 135, 310-333.	1.2	55
93	Systematic synthesis of specifically $^{13}\text{C}/^2\text{H}$ -labeled nucleosides from [$^{13}\text{C}_6$]-d-glucose. <i>Tetrahedron Letters</i> , 1998, 39, 2793-2796.	0.7	15
94	Synthesis of [$^2\text{H}_1$]-nucleosides with defined (^2S)/(^2R) - ratios. <i>Tetrahedron Letters</i> , 1998, 39, 2873-2876.	0.7	7
95	Determination of peptide χ^1 angles in solids by relayed anisotropy correlation NMR. <i>Solid State Nuclear Magnetic Resonance</i> , 1998, 11, 169-175.	1.5	32
96	NMR structure of the Streptomyces metalloproteinase inhibitor, SMPI, isolated from Streptomyces nigrescens TK-23: another example of an ancestral ^{12}C -crystallin precursor structure 1 Edited by P. E. Wright. <i>Journal of Molecular Biology</i> , 1998, 282, 421-433.	2.0	39
97	Collision-Induced Dissociation Spectra Obtained by Fourier Transform Ion Cyclotron Resonance Mass Spectrometry Using a $^{13}\text{C},^{15}\text{N}$ -Doubly Depleted Protein. <i>Analytical Chemistry</i> , 1998, 70, 3333-3336.	3.2	10
98	Measurement of Deoxyribose $^3\text{J}_{\text{HH}}$ Scalar Couplings Reveals Protein Binding-Induced Changes in the Sugar Puckers of the DNA. <i>Journal of the American Chemical Society</i> , 1998, 120, 821-822.	6.6	18
99	Elucidation of the mode of interaction of thermolysin with a proteinaceous metalloproteinase inhibitor, SMPI, based on a model complex structure and a structural dynamics analysis 1 Edited by P. E. Wright. <i>Journal of Molecular Biology</i> , 1998, 282, 435-446.	2.0	19
100	Measurement of $^3\text{J}_{\text{C}2\text{P}}$ Scalar Couplings in a 17 kDa Protein Complex with $^{13}\text{C},^{15}\text{N}$ -Labeled DNA Distinguishes the Bland BIIPhosphate Conformations of the DNA. <i>Journal of the American Chemical Society</i> , 1997, 119, 9901-9902.	6.6	33
101	Synthesis of (^2S)-[$^2\text{H}_1;^1\text{R},^2\text{R},^3\text{R},^4\text{R},^5\text{R}-^{13}\text{C}_5$]-Thymidine via stereoselective deuteration of a 5-oxoribose derivative. <i>Tetrahedron Letters</i> , 1997, 38, 395-398.	0.7	14
102	Novel approach to diastereoselective synthesis of 2'-deoxy[5'- $^2\text{H}_1$]ribonucleoside derivatives by reduction of the corresponding 5'-O-acetyl-2'-deoxy-5'-phenylselenoribonucleoside derivatives with a $\text{Bu}_3\text{Sn}_2\text{H-Et}_3\text{B}$ system. <i>Chirality</i> , 1997, 9, 435-442.	1.3	14
103	^5C Methylene Proton Signal Assignment of DNA/RNA Oligomers Labeled with ^5C -Monodeuterated Nucleosides by $^1\text{H}-^31\text{P}$ HSQC Spectroscopy. <i>Magnetic Resonance in Chemistry</i> , 1996, 34, S40-S46.	1.1	22
104	Relayed anisotropy correlation NMR: determination of dihedral angles in solids. <i>Chemical Physics Letters</i> , 1996, 256, 133-140.	1.2	100
105	Motion of Scandium Ions in $\text{Sc}_2\text{C}_8\text{O}_4$ Observed by ^{45}Sc Solution NMR. <i>The Journal of Physical Chemistry</i> , 1996, 100, 9579-9581.	2.9	61
106	Biosynthesis of Lactacystin... <i>Journal of Antibiotics</i> , 1995, 48, 1015-1020.	1.0	20
107	Sequence-Specific DNA Recognition of the Escherichia coli Ada Protein Associated with the Methylation-Dependent Functional Switch for Transcriptional Regulation. <i>Journal of Biochemistry</i> , 1995, 118, 1184-1191.	0.9	9
108	Significance of the Highly Conserved Gly-4 Residue in Human Cystatin A1. <i>Journal of Biochemistry</i> , 1995, 118, 635-642.	0.9	14

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109	Novel synthesis of 2'-deoxy[5'- ² H]ribonucleoside derivatives from 5'-O-Ac-2'-deoxy-5'-PhSe-ribonucleoside derivatives. <i>Tetrahedron Letters</i> , 1995, 36, 6699-6700.	0.7	14
110	Highly Diastereoselective Synthesis of (2'S)-[2'- ² H]-2'-Deoxyribonucleosides from the Corresponding Ribonucleosides. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 1995, 14, 333-336.	0.4	13
111	Solution structure of a human cystatin A variant, cystatin A2-98 M65L by NMR spectroscopy. A possible role of the interactions between the N- and C-termini to maintain the inhibitory active form of cystatin A. <i>Biochemistry</i> , 1995, 34, 14637-14648.	1.2	43
112	Stereospecific measurements of the vicinal ¹ H- ³¹ P coupling constants for the diastereotopic C5' methylene protons in a DNA dodecamer with a ¹³ C/ ² H doubly labeled residue. Conformational analysis of the torsion angle β . <i>Journal of the American Chemical Society</i> , 1995, 117, 7277-7278.	6.6	24
113	Synthesis of L-threo- and L-erythro-[1- ¹³ C, 2,3- ² H ₂]amino acids: novel probes for conformational analysis of peptide side chains. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1995, , 1603-1609.	0.9	22
114	Sonochemical and Triethylborane-Induced Tin Deuteride Reduction for the Highly Diastereoselective Synthesis of (2'R)-2'-Deoxy[2'- ² H]ribonucleoside Derivatives. <i>Journal of Organic Chemistry</i> , 1995, 60, 6980-6986.	1.7	39
115	Preparation and heteronuclear 2D NMR spectroscopy of a DNA dodecamer containing a thymidine residue with a uniformly ¹³ C-labeled deoxyribose ring. <i>Journal of Biomolecular NMR</i> , 1994, 4, 581-586.	1.6	39
116	Biosynthesis of lactacystin. Origin of the carbons and stereospecific NMR assignment of the two diastereotopic methyl groups. <i>Tetrahedron Letters</i> , 1994, 35, 5009-5012.	0.7	20
117	Synthesis of phenylalanines regiospecifically labelled with deuterium in the aromatic ring. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 1994, 34, 831-837.	0.5	11
118	Methylation Dependent Functional Switch Mechanism Newly Found in the Escherichia coli Ada Protein. <i>Journal of the American Chemical Society</i> , 1994, 116, 6035-6036.	6.6	39
119	An Alternative Triple-Resonance Method for the Through-Bond Correlation of Intranucleotide H1' and H8 NMR Signals of Purine Nucleotides. Application to a DNA Dodecamer with Fully ¹³ C/ ¹⁵ N-Labeled Deoxyadenosine Residues. <i>Journal of the American Chemical Society</i> , 1994, 116, 5977-5978.	6.6	48
120	Sonochemical and triethylborane-induced tin deuteride reduction for the highly stereoselective synthesis of (2 ² R)-[2 ² - ² H]-2 ² -deoxyribonucleosides from 2 ² -functionalized ribonucleosides. <i>Tetrahedron Letters</i> , 1993, 34, 1317-1320.	0.7	27
121	Localisation of methionine residues in bacteriorhodopsin by carbonyl ¹³ C-NMR with sequence-specific assignments. <i>FEBS Letters</i> , 1993, 327, 7-12.	1.3	15
122	NMR characterization of isomers of C ₇₈ , C ₈₂ and C ₈₄ fullerenes. <i>Nature</i> , 1992, 357, 142-145.	13.7	519
123	Synthesis of [1, ¹³ C ₂]-L-cystine. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 1991, 29, 867-874.	0.5	5
124	Reductive cleavage and regeneration of the disulfide bonds in <i>Streptomyces subtilisin inhibitor</i> (SSI) as studied by the carbonyl ¹³ C NMR resonances of cysteinyl residues. <i>Journal of Biomolecular NMR</i> , 1991, 1, 49-64.	1.6	9
125	Application of ¹³ C Nuclear Magnetic Resonance Spectroscopy to Molecular Structural Analyses of Antibody Molecules. <i>Journal of Biochemistry</i> , 1989, 105, 867-869.	0.9	34
126	Internal motion of a tryptophan residue in <i>Streptomyces subtilisin inhibitor</i> : Deuterium nuclear magnetic resonance in solution. <i>Proteins: Structure, Function and Bioinformatics</i> , 1988, 4, 131-136.	1.5	8

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127	Correlation of carbon-13 and nitrogen-15 chemical shifts in selectively and uniformly labeled proteins by heteronuclear two-dimensional NMR spectroscopy. <i>Journal of the American Chemical Society</i> , 1988, 110, 6256-6258.	6.6	104
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