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Application of phase sensitive two-dimensional correlated spectroscopy (COSY) for measurements of  $^1\text{H}$ - $^1\text{H}$  spin-spin coupling constants in proteins

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2032	The complex formed between plastocyanin and cytochrome c. Investigation by NMR spectroscopy. <b>1990</b> , 188, 413-20		47
2031	NMR and molecular dynamics studies of the mKr2 'zinc finger'. <b>1990</b> , 188, 455-61		14
2030	Structure-function relationships in the polypeptide cardiac stimulant, anthopleurin-A. Effects of limited proteolysis by trypsin. <b>1990</b> , 189, 145-53		13
2029	Three-dimensional structure of the oligosaccharide terminus of globotriaosylceramide and isoglobotriaosylceramide in solution. A rotating-frame NOE study using hydroxyl groups as long-range sensors in conformational analysis by <sup>1</sup> H-NMR spectroscopy. <b>1990</b> , 189, 313-25		36
2028	Two-dimensional <sup>1</sup> H-NMR studies of horseradish peroxidase C and its interaction with indole-3-propionic acid. <b>1990</b> , 189, 351-62		60
2027	Secondary and tertiary structure characteristics of Megasphaera elsdenii flavodoxin in the reduced state as determined by two-dimensional <sup>1</sup> H NMR. <b>1990</b> , 189, 589-600		12
2026	Conformational studies on the N-linked carbohydrate chain of bromelain. <b>1990</b> , 190, 113-22		51
2025	Proton NMR studies of apo-neocarzinostatin from Streptomyces carzinostaticus. Sequence-specific assignment and secondary structure. <b>1990</b> , 190, 263-71		22

2024	Computer-aided assignment of the <sup>1</sup> H-NMR spectrum of the viral-protein-genome-linked polypeptide from cowpea mosaic virus. <b>1990</b> , 190, 583-91	12
2023	Assignment of the <sup>1</sup> H-NMR spectrum of a lac repressor headpiece-operator complex in H <sub>2</sub> O and identification of NOEs. Consequences for protein-DNA interaction. <b>1990</b> , 194, 629-37	23
2022	Two-dimensional NMR studies on des-pentapeptide-insulin. Proton resonance assignments and secondary structure analysis. <b>1990</b> , 191, 147-53	23
2021	The <sup>1</sup> H-NMR assignments of the aromatic resonances in complexes of Lactobacillus casei dihydrofolate reductase and the origins of their chemical shifts. <b>1990</b> , 191, 659-68	8
2020	Sequence-specific <sup>1</sup> H-NMR assignment and conformation of proteolytic fragment 163-231 of bacterioopsin. <b>1990</b> , 192, 321-7	33
2019	Two-dimensional NMR studies and secondary structure of cobrotoxin in aqueous solution. <b>1990</b> , 193, 789-99	14
2018	Tertiary structure of two-electron reduced Megasphaera elsdenii flavodoxin and some implications, as determined by two-dimensional <sup>1</sup> H-NMR and restrained molecular dynamics. <b>1990</b> , 194, 185-98	33
2017	A two-dimensional <sup>1</sup> H-NMR study on Megasphaera elsdenii flavodoxin in the oxidized state and some comparisons with the two-electron-reduced state. <b>1990</b> , 194, 199-216	18
2016	Solution phase conformation studies of the prekallikrein binding domain of high molecular weight kininogen. <b>1990</b> , 9, 647-59	15
2015	Cis-trans isomerization of an angiotensin I-converting enzyme inhibitor. An enzyme kinetic and nuclear magnetic resonance study. <b>1990</b> , 1041, 22-30	12
2014	Solution structure of the isolated ribonuclease C-terminal 112-124 fragment. <b>1990</b> , 1038, 322-9	3
2013	A combined two-dimensional relayed-NOESY/TOCSY experiment. <b>1990</b> , 87, 408-414	1
2012	Hydrogen-deuterium isotope effects in <sup>13</sup> C NMR experiments of peptides. <b>1990</b> , 86, 657-662	2
2011	Correlation of connected double-quantum and single-quantum transitions. Two-dimensional double-quantum spectroscopy with simplified in-phase direct connectivity multiplets. <b>1990</b> , 87, 174-182	1
2010	New methods for the measurement of NH <sup>15</sup> N coupling constants in <sup>15</sup> N-labeled proteins. <b>1990</b> , 86, 110-126	15
2009	Zero-quantum spectroscopy with TOCSY transfer. <b>1990</b> , 87, 633-638	
2008	Structural characterization of an arabinose-containing heptadecasaccharide enzymically isolated from sycamore extracellular xyloglucan. <b>1990</b> , 197, 139-158	39
2007	Improved methods for quantitative spectral analysis of NMR data. <b>1990</b> , 22, 255-288	39

2006	Primary sequence dependence of conformation in oligomannose oligosaccharides. <b>1990</b> , 18, 139-48	47
2005	Bacterial siderophores : structure and NMR assignment of pyoverdins Pa, siderophores of <i>Pseudomonas aeruginosa</i> ATCC 15692. <b>1990</b> , 3, 155-170	80
2004	A 2D NMR study of the internal flexibility of the antifungal peptide stendomycin. <b>1990</b> , 18, 309-16	2
2003	An approach to vectorisation of pharmacologically active molecules: The covalent binding of leu-enkephalin to a modified $\beta$ -cyclodextrin.. <b>1990</b> , 31, 1999-2002	34
2002	Achilleol B: a new tricyclic triterpene skeleton from <i>Achillea odorata</i> L. <b>1990</b> , 46, 8161-8168	28
2001	<sup>1</sup> H And <sup>13</sup> C NMR chemical shifts of the diastereotopic methyl groups of valyl and leucyl residues in peptides and proteins. <b>1990</b> , 46, 3287-3296	29
2000	Z-RNA: the solution NMR structure of r(CGCGCG). <b>1990</b> , 29, 109-22	45
1999	Enkephalin analogues containing beta-naphthylalanine at the fourth position. <b>1990</b> , 29, 179-96	26
1998	A conformational comparison of two stereoisomeric cyclic dermorphin analogues employing NMR and computer simulations. <b>1990</b> , 29, 943-52	14
1997	Conformational studies of cyclic peptide structures in solution from <sup>1</sup> H-Nmr data by distance geometry calculation and restrained energy minimization. <b>1990</b> , 29, 1387-400	9
1996	Nmr conformational analysis of cyclopeptidic substrates of serine proteases, containing an ortho or meta aminobenzoic acid residue. <b>1990</b> , 30, 583-591	6
1995	Determination of the conformation of Lewis blood group oligosaccharides by simulation of two-dimensional nuclear Overhauser data. <b>1990</b> , 30, 1123-38	66
1994	<sup>1</sup> H-NMR assignments and conformational studies of melanin concentrating hormone in water using two-dimensional NMR. <b>1990</b> , 30, 1291-5	3
1993	Zur bromometrischen Bestimmung von Cyclopentobarbital. <b>1990</b> , 323, 361-366	2
1992	Pepto: An expert system for automatic peak assignment of two-dimensional nuclear magnetic resonance spectra of proteins. <b>1990</b> , 11, 805-818	19
1991	Aromatic ring dynamics in crystalline molecular solids by one- and two-dimensional exchange spectroscopy. <b>1990</b> , 28, 163-170	8
1990	HMQC-NOESY: Application to a polynuclear aromatic at natural abundance. <b>1990</b> , 28, 774-778	1
1989	Structures of zearalenone and zearalanone in solution: A high-field NMR and molecular modelling study. <b>1990</b> , 28, 835-845	14

1988	Analysis of the <sup>1</sup> H and <sup>13</sup> C NMR spectra of the novel macrolide antibiotic roxithromycin. Structure and conformation in solution. <b>1990</b> , 28, 846-855	10
1987	Identification of oplopanonyl acetate isolated from <i>Chamaecyparis pisifera</i> . <b>1990</b> , 28, 1030-1034	5
1986	Structural analysis of the specific capsular polysaccharide of <i>Rhodococcus equi</i> serotype 2. <b>1990</b> , 206, 311-32	16
1985	ROESY studies and HSEA calculations on xylose-containing oligosaccharides related to N-glycoproteins. <b>1990</b> , 208, 117-26	7
1984	Structural analysis of xyloglucan oligosaccharides by <sup>1</sup> H-n.m.r. spectroscopy and fast-atom-bombardment mass spectrometry. <b>1990</b> , 200, 9-31	196
1983	The Glu 2- ... Arg 10+ side-chain interaction in the C-peptide helix of ribonuclease A. <b>1990</b> , 37, 107-19	47
1982	Rapid-pulsing artifacts in double-quantum-filtered COSY. <b>1990</b> , 88, 177-185	53
1981	HMQC-NOESY-HMQC, a three-dimensional NMR experiment which allows detection of nuclear overhauser effects between protons with overlapping signals. <b>1990</b> , 90, 420-425	13
1980	Selection of coherence transfer pathways using inhomogeneous adiabatic pulses. Removal of zero-quantum coherence. <b>1990</b> , 89, 176-183	1
1979	Acquisition schemes and quadrature artifacts in phase-sensitive two-dimensional NMR. <b>1990</b> , 89, 191-197	1
1978	Reverse editing of protons according to multiplicity (REPAY). <b>1990</b> , 88, 401-405	3
1977	SHIPPED>Selective heteronuclear inverse polarization transfer proton editing. <b>1990</b> , 86, 180-187	2
1976	Elimination of baseline artifacts in NMR spectra by oversampling. <b>1990</b> , 89, 406-409	4
1975	Comparison of different modes of two-dimensional reverse-correlation NMR for the study of proteins. <b>1990</b> , 86, 304-318	69
1974	Three-dimensional triple-resonance NMR spectroscopy of isotopically enriched proteins. <b>1990</b> , 89, 496-514	118
1973	Relayed NOE experiments for discrimination of exchange effects of overlapping labile protons. <b>1990</b> , 89, 615-619	2
1972	Measurement of homonuclear coupling constants from NMR correlation spectra. <b>1990</b> , 89, 640-646	11
1971	Solution conformation of the type I collagen alpha-2 chain telopeptides studied by <sup>1</sup> H and <sup>13</sup> C NMR spectroscopy. <b>1990</b> , 8, 63-80	10

1970	Molecular recognition and binding of a GC site-avoiding thiazole-lexitropsin to the decadeoxyribonucleotide d-[CGCAATTGCC]2: 1H-NMR evidence for thiazole intercalation. <b>1990</b> , 8, 99-121	16
1969	Side Products in the Synthesis of Secretin. <b>1990</b> , 371, 223-230	6
1968	Two-dimensional nMR study of bleomycin and its zinc(II) complex: reassignment of 13C resonances. <b>1990</b> , 8, 375-98	11
1967	Structural analysis of the specific capsular polysaccharide of <i>Rhodococcus equi</i> serotype 1. <b>1990</b> , 68, 778-89	18
1966	Deoxyribose conformation in [d(GTATATAC)]2: evaluation of sugar pucker by simulation of double-quantum-filtered COSY cross-peaks. <b>1990</b> , 29, 2357-68	62
1965	Mechanism of adenylate kinase. Critical evaluation of the X-ray model and assignment of the AMP site. <b>1990</b> , 29, 10956-64	41
1964	Fluorescence and NMR investigations on the ligand binding properties of adenylate kinases. <b>1990</b> , 29, 7440-50	87
1963	Complete structure of the polysaccharide from <i>Streptococcus sanguis</i> J22. <b>1990</b> , 29, 234-48	61
1962	Solution structural characteristics of cyanometmyoglobin: resonance assignment of heme cavity residues by two-dimensional NMR. <b>1990</b> , 29, 1545-56	147
1961	Three-dimensional structure of porcine C5adesArg from 1H nuclear magnetic resonance data. <b>1990</b> , 29, 2895-905	51
1960	Conformational studies of human [15-2-aminohexanoic acid]little gastrin in sodium dodecyl sulfate micelles by 1H NMR. <b>1990</b> , 29, 5265-9	42
1959	Role of arginine 67 in the stabilization of chymotrypsin inhibitor 2: examination of amide proton exchange rates and denaturation thermodynamics of an engineered protein. <b>1990</b> , 29, 6264-9	46
1958	Studies on the solution conformation of human thioredoxin using heteronuclear 15N-1H nuclear magnetic resonance spectroscopy. <b>1990</b> , 29, 1566-72	86
1957	1H NMR studies of the glucocorticoid receptor DNA-binding domain: sequential assignments and identification of secondary structure elements. <b>1990</b> , 29, 9015-23	56
1956	Structure of the oligosaccharide of hen phosphovitin as determined by two-dimensional 1H NMR of the intact glycoprotein. <b>1990</b> , 29, 5574-83	37
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1954	Assignment strategies in homonuclear three-dimensional 1H NMR spectra of proteins. <b>1990</b> , 29, 1829-39	53
1953	Sequential resonance assignment and secondary structure determination of the <i>Ascaris</i> trypsin inhibitor, a member of a novel class of proteinase inhibitors. <b>1990</b> , 29, 183-9	31



1952	Sequence-specific <sup>1</sup> H NMR assignments and secondary structure of eglin c. <b>1990</b> , 29, 1465-74	24
1951	Significant conformational changes in an antigenic carbohydrate epitope upon binding to a monoclonal antibody. <b>1990</b> , 29, 10906-11	57
1950	Sequence-specific <sup>1</sup> H NMR assignments and secondary structure in solution of Escherichia coli trp repressor. <b>1990</b> , 29, 6332-41	101
1949	Sequential <sup>1</sup> H NMR assignments of iron(II) cytochrome c551 from Pseudomonas aeruginosa. <b>1990</b> , 29, 9377-86	19
1948	Wheat germ 5S ribosomal RNA common arm fragment conformations observed by <sup>1</sup> H and <sup>31</sup> P nuclear magnetic resonance spectroscopy. <b>1990</b> , 29, 1730-6	6
1947	500-MHz proton NMR evidence for two solution structures of the common arm base-paired segment of wheat germ 5S ribosomal RNA. <b>1990</b> , 29, 1722-30	11
1946	High-resolution three-dimensional structure of a single zinc finger from a human enhancer binding protein in solution. <b>1990</b> , 29, 9324-34	129
1945	Structural properties of apocytochrome b5: presence of a stable native core. <b>1990</b> , 29, 1984-9	32
1944	Assignment of the backbone <sup>1</sup> H and <sup>15</sup> N NMR resonances of bacteriophage T4 lysozyme. <b>1990</b> , 29, 6341-62	87
1943	Mechanism of adenylate kinase. Structural and functional demonstration of arginine-138 as a key catalytic residue that cannot be replaced by lysine. <b>1990</b> , 29, 6385-92	37
1942	NMR investigation of mithramycin A binding to d(ATGCAT) <sub>2</sub> : a comparative study with chromomycin A3. <b>1990</b> , 29, 9294-304	40
1941	Structural Studies of Biomolecules at High Field. <b>1990</b> , 91-141	
1940	Magic-angle spinning NMR studies of molecular organization in multibilayers formed by 1-octadecanoyl-2-decanoyl-sn-glycero-3-phosphocholine. <b>1990</b> , 58, 1449-61	29
1939	Studies of synthetic helical peptides using circular dichroism and nuclear magnetic resonance. <b>1990</b> , 215, 607-22	157
1938	Amide proton exchange in human metallothionein-2 measured by nuclear magnetic resonance spectroscopy. <b>1990</b> , 214, 781-6	20
1937	Spectroscopic studies on elastin-like synthetic polypeptides. <b>1990</b> , 12, 363-8	26
1936	Solid phase synthesis and conformation of sequential glycosylated polytripeptide sequences related to antifreeze glycoproteins. <b>1990</b> , 12, 41-9	37
1935	Characterization of lipid composition in stimulated human lymphocytes by <sup>1</sup> H-NMR. <b>1990</b> , 1054, 198-206	66

1934	1H-NMR studies of [Sar1]angiotensin II conformation by nuclear Overhauser effect spectroscopy in the rotating frame (ROESY): clustering of the aromatic rings in dimethylsulfoxide. <b>1990</b> , 11, 359-66	47
1933	1H-NMR studies of sarmesin and [des1]sarmesin conformation in dimethylsulfoxide by nuclear Overhauser effect (NOE) enhancement spectroscopy: folding of the N- and C-terminal domains. <b>1990</b> , 11, 367-74	20
1932	Complete sequence-specific 1H NMR assignments for human insulin. <b>1990</b> , 29, 2906-13	76
1931	NMR studies of the interaction of chromomycin A3 with small DNA duplexes. Binding to GC-containing sequences. <b>1990</b> , 29, 6521-34	44
1930	Determination of the secondary structure and molecular topology of interleukin-1 beta by use of two- and three-dimensional heteronuclear 15N-1H NMR spectroscopy. <b>1990</b> , 29, 4668-82	66
1929	Complete resonance assignment for the polypeptide backbone of interleukin 1 beta using three-dimensional heteronuclear NMR spectroscopy. <b>1990</b> , 29, 3542-56	172
1928	NMR studies of the active site of DNA polymerase I and of a 50-residue peptide fragment of the enzyme. <b>1990</b> , 40, 69-81	4
1927	Structural elements pertinent to the interaction of cyclosporin A with its specific receptor protein, cyclophilin. <b>1990</b> , 40, 131-40	20
1926	Solution conformation of leiurotoxin I (scyllatoxin) by 1H nuclear magnetic resonance. Resonance assignment and secondary structure. <b>1990</b> , 260, 249-53	45
1925	Sequence-specific [1H]NMR resonance assignments and secondary structure identification for 1- and 2-zinc finger constructs from SW15. A hydrophobic core involving four invariant residues. <b>1990</b> , 262, 179-84	45
1924	A novel method of preparing totally alpha-deuterated amino acids for selective incorporation into proteins. Application to assignment of 1H resonances of valine residues in dihydrofolate reductase. <b>1990</b> , 272, 197-9	7
1923	Complete assignment of the 1H NMR spectrum and secondary structure of the DNA binding domain of GAL4. <b>1990</b> , 276, 49-53	18
1922	Structure of the DNA binding wing of the gene-V encoded single- stranded DNA binding protein of the filamentous bacteriophage M13. <b>1990</b> , 261, 1-4	28
1921	Assignment of imidazole resonances from two-dimensional proton NMR spectra of bovine Cu,Zn superoxide dismutase. Evidence for similar active site conformation in the oxidized and reduced enzyme. <b>1990</b> , 263, 127-30	9
1920	1H, 13C, and 31P nuclear magnetic resonance spectral assignments for tobramycin, 2''-(adenosine-5'-phosphoryl)-tobramycin and 2''-(adenosine-5'-thiophosphoryl)-tobramycin. <b>1990</b> , 280, 284-91	10
1919	The detection of proline isomerase activity in FK506-binding protein by two-dimensional 1H NMR exchange spectroscopy. <i>Biochemical and Biophysical Research Communications</i> , <b>1990</b> , 171, 445-50	3-4 14
1918	Determination of metabolite and nucleotide concentrations in proliferating lymphocytes by 1H-NMR of acid extracts. <b>1990</b> , 1054, 181-97	72
1917	Three-dimensional structure of human [113Cd7]metallothionein-2 in solution determined by nuclear magnetic resonance spectroscopy. <b>1990</b> , 214, 765-79	144

1916	Solution NMR studies of colicin E1 C-terminal thermolytic peptide. Structural comparison with colicin A and the effects of pH changes. <b>1990</b> , 191, 155-61	28
1915	Solution conformation of endothelin-3 by (1)H NMR and distance geometry calculations. <b>1991</b> , 18, 491-6	27
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1913	Structure of the smooth muscle myosin light-chain kinase calmodulin-binding domain peptide bound to calmodulin. <b>1991</b> , 30, 10078-84	56
1912	Sequential 1H NMR assignments and secondary structure of an IgG-binding domain from protein G. <b>1991</b> , 30, 5335-40	43
1911	Determination of the three-dimensional solution structure of barnase using nuclear magnetic resonance spectroscopy. <b>1991</b> , 30, 8697-701	108
1910	1H and 15N resonance assignments of oxidized flavodoxin from <i>Anacystis nidulans</i> with 3D NMR. <b>1991</b> , 30, 7718-30	32
1909	Solution structure of the basic region from the transcriptional activator GCN4. <b>1991</b> , 30, 1310-7	80
1908	Investigation of an octapeptide inhibitor of <i>Escherichia coli</i> ribonucleotide reductase by transferred nuclear Overhauser effect spectroscopy. <b>1991</b> , 30, 8144-51	12
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1906	1H assignments and secondary structure determination of the soybean trypsin/chymotrypsin Bowman-Birk inhibitor. <b>1991</b> , 30, 3356-64	48
1905	Stereochemistry of the concerted enolization catalyzed by delta 5-3-ketosteroid isomerase. <b>1991</b> , 30, 3169-78	35
1904	Complete structure of the cell surface polysaccharide of <i>Streptococcus oralis</i> C104: a 600-MHz NMR study. <b>1991</b> , 30, 8568-77	49
1903	Structure of the propeptide of prothrombin containing the gamma-carboxylation recognition site determined by two-dimensional NMR spectroscopy. <b>1991</b> , 30, 9835-41	36
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1901	C-terminal structure and mobility of rabbit skeletal muscle light meromyosin as studied by one- and two-dimensional 1H NMR spectroscopy and X-ray small-angle scattering. <b>1991</b> , 30, 8083-91	12
1900	Sequential NMR resonance assignment and structure determination of the Kunitz-type inhibitor domain of the Alzheimer's beta-amyloid precursor protein. <b>1991</b> , 30, 10467-78	15
1899	Two-dimensional magnetization exchange spectroscopy of <i>Anabaena</i> 7120 ferredoxin. Nuclear Overhauser effect and electron self-exchange cross peaks from amino acid residues surrounding the 2Fe-2S* cluster. <b>1991</b> , 30, 7363-8	48

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1897	ADR1a, a zinc finger peptide, exists in two folded conformations. <b>1991</b> , 30, 3365-71	20
1896	Preparation and characterization of oligonucleotides containing S-[2-(N7-guanyl)ethyl]glutathione. <b>1991</b> , 30, 10513-22	18
1895	<sup>1</sup> H and <sup>15</sup> N NMR resonance assignments and preliminary structural characterization of Escherichia coli apocytochrome b562. <b>1991</b> , 30, 7711-7	30
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1893	Upper rim calixcrowns: elucidation of the mechanism of conformational interconversion of calix[4]arenes by quantitative 2-D EXSY NMR spectroscopy. <b>1991</b> , 113, 2378-2384	49
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1890	Conformation of an enzyme-bound substrate of staphylococcal nuclease as determined by NMR. <b>1991</b> , 30, 7425-37	31
1889	Dihydrofolate reductase: sequential resonance assignments using 2D and 3D NMR and secondary structure determination in solution. <b>1991</b> , 30, 6330-41	30
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1886	<sup>1</sup> H NMR resonance assignments in a paramagnetic heme protein by two-dimensional spectroscopy: heme resonances in equine met-azido myoglobin. <i>Biochemical and Biophysical Research Communications</i> , <b>1991</b> , 175, 515-9	3-4 7
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1883	Conformation of endothelin in aqueous ethylene glycol determined by <sup>1</sup> H-NMR and molecular dynamics simulations. <b>1991</b> , 281, 212-8	46
1882	Polypeptide-metal cluster connectivities in Cd(II) GAL4. <b>1991</b> , 281, 223-6	17
1881	Syringopeptins, new phytotoxic lipodepsipeptides of Pseudomonas syringae pv. syringae. <b>1991</b> , 291, 109-12	111

1880	High-resolution solution structure of reduced French bean plastocyanin and comparison with the crystal structure of poplar plastocyanin. <b>1991</b> , 221, 533-55		104
1879	(14-38, 30-51) double-disulphide intermediate in folding of bovine pancreatic trypsin inhibitor: a two-dimensional <sup>1</sup> H nuclear magnetic resonance study. <b>1991</b> , 222, 353-71		75
1878	Two-dimensional <sup>1</sup> H nuclear magnetic resonance study of the (5-55) single-disulphide folding intermediate of bovine pancreatic trypsin inhibitor. <b>1991</b> , 222, 373-90		82
1877	Sequence-specific <sup>1</sup> H n.m.r. assignments and determination of the three-dimensional structure of reduced <i>Escherichia coli</i> glutaredoxin. <b>1991</b> , 221, 1311-24		89
1876	Structure of an unusually stable RNA hairpin. <b>1991</b> , 30, 3280-9		301
1875	Conformation and mobility of the RNA-binding N-terminal part of the intact coat protein of cowpea chlorotic mottle virus. A two-dimensional proton nuclear magnetic resonance study. <b>1991</b> , 220, 701-9		6
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1871	Identification of valine/leucine/isoleucine and threonine/alanine/glycine proton-spin systems of <i>Escherichia coli</i> adenylate kinase by selective deuteration and selective protonation. <i>Biochemical Journal</i> , <b>1991</b> , 273(Pt 2), 311-6	3.8	2
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