

Gottfried Otting

List of Publications by Year in descending order

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Version: 2024-02-01

301
papers

20,698
citations

9786

73
h-index

13379

130
g-index

484
all docs

484
docs citations

484
times ranked

12909
citing authors

#	ARTICLE	IF	CITATIONS
1	Localising individual atoms of tryptophan side chains in the metallo- β -lactamase IMP-1 by pseudocontact shifts from paramagnetic lanthanoid tags at multiple sites. <i>Magnetic Resonance</i> , 2022, 3, 1-13.	1.9	1
2	Site-Specific Incorporation of 7-Fluoro-L-tryptophan into Proteins by Genetic Encoding to Monitor Ligand Binding by ^{19}F NMR Spectroscopy. <i>ACS Sensors</i> , 2022, 7, 44-49.	7.8	9
3	Genetic Encoding of Cyanopyridylalanine for In-Cell Protein Macrocyclization by the Nitrile-Aminothiol Click Reaction. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	15
4	Organoarsenic probes to study proteins by NMR spectroscopy. <i>Chemical Communications</i> , 2022, 58, 701-704.	4.1	1
5	Paramagnetic Chemical Probes for Studying Biological Macromolecules. <i>Chemical Reviews</i> , 2022, 122, 9571-9642.	47.7	36
6	Antiviral cyclic peptides targeting the main protease of SARS-CoV-2. <i>Chemical Science</i> , 2022, 13, 3826-3836.	7.4	29
7	Synthesis of fluorinated leucines, valines and alanines for use in protein NMR. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 2424-2432.	2.8	3
8	Main protease mutants of SARS-CoV-2 variants remain susceptible to nirmatrelvir. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2022, 62, 128629.	2.2	131
9	DEER experiments reveal fundamental differences between calmodulin complexes with IQ and MARCKS peptides in solution. <i>Structure</i> , 2022, 30, 813-827.e5.	3.3	3
10	Localising nuclear spins by pseudocontact shifts from a single tagging site. <i>Magnetic Resonance</i> , 2022, 3, 65-76.	1.9	3
11	NT*-HRV3CP: An optimized construct of human rhinovirus 14 3C protease for high-yield expression and fast affinity-tag cleavage. <i>Journal of Biotechnology</i> , 2021, 325, 145-151.	3.8	14
12	Cell-Free Synthesis of Selenoproteins in High Yield and Purity for Selective Protein Tagging. <i>ChemBioChem</i> , 2021, 22, 1480-1486.	2.6	4
13	Genetic Encoding of <i>N</i> - 6 -(((Trimethylsilyl)methoxy)carbonyl)-L-lysine for NMR Studies of Protein-Protein and Protein-Ligand Interactions. <i>Journal of the American Chemical Society</i> , 2021, 143, 1133-1143.	13.7	18
14	Phosphoserine for the generation of lanthanide-binding sites on proteins for paramagnetic nuclear magnetic resonance spectroscopy. <i>Magnetic Resonance</i> , 2021, 2, 1-13.	1.9	8
15	A Chiral Lanthanide Tag for Stable and Rigid Attachment to Single Cysteine Residues in Proteins for NMR, EPR and Time-Resolved Luminescence Studies. <i>Chemistry - A European Journal</i> , 2021, 27, 13009-13023.	3.3	19
16	Challenges of short substrate analogues as SARS-CoV-2 main protease inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 50, 128333.	2.2	26
17	Synthesis of ^{13}C / ^{19}F / ^2H labeled indoles for use as tryptophan precursors for protein NMR spectroscopy. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 5133-5147.	2.8	6
18	Through-Space Scalar ^{19}F - ^{19}F Couplings between Fluorinated Noncanonical Amino Acids for the Detection of Specific Contacts in Proteins. <i>Journal of the American Chemical Society</i> , 2021, 143, 19587-19598.	13.7	16

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19	Altered conformational sampling along an evolutionary trajectory changes the catalytic activity of an enzyme. <i>Nature Communications</i> , 2020, 11, 5945.	12.8	36
20	Genetic Encoding of <i>para</i> -Pentafluorosulfanyl Phenylalanine: A Highly Hydrophobic and Strongly Electronegative Group for Stable Protein Interactions. <i>Journal of the American Chemical Society</i> , 2020, 142, 17277-17281.	13.7	22
21	Cell-free expression of natively folded hydrophobins. <i>Protein Expression and Purification</i> , 2020, 170, 105591.	1.3	6
22	Paramagpy: software for fitting magnetic susceptibility tensors using paramagnetic effects measured in NMR spectra. <i>Magnetic Resonance</i> , 2020, 1, 1-12.	1.9	33
23	Three-Dimensional Protein Structure Determination Using Pseudocontact Shifts of Backbone Amide Protons Generated by Double-Histidine Co ²⁺ -Binding Motifs at Multiple Sites. <i>Biochemistry</i> , 2019, 58, 3243-3250.	2.5	10
24	Mutant T4 DNA polymerase for easy cloning and mutagenesis. <i>PLoS ONE</i> , 2019, 14, e0211065.	2.5	9
25	Biocompatible Macrocyclization between Cysteine and 2-Cyanopyridine Generates Stable Peptide Inhibitors. <i>Organic Letters</i> , 2019, 21, 4709-4712.	4.6	46
26	Tracking Conformational Changes in Calmodulin in vitro, in Cell Extract, and in Cells by Electron Paramagnetic Resonance Distance Measurements. <i>ChemPhysChem</i> , 2019, 20, 1860-1868.	2.1	31
27	<i>De Novo</i> Discovery of Nonstandard Macrocyclic Peptides as Noncompetitive Inhibitors of the Zika Virus NS2B-NS3 Protease. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 168-174.	2.8	62
28	Two Histidines in an α -Helix: A Rigid Co ²⁺ -Binding Motif for PCS Measurements by NMR Spectroscopy. <i>Angewandte Chemie</i> , 2018, 130, 6334-6337.	2.0	2
29	Two Histidines in an α -Helix: A Rigid Co ²⁺ -Binding Motif for PCS Measurements by NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6226-6229.	13.8	12
30	Small Gd(III) Tags for Gd(III)-Gd(III) Distance Measurements in Proteins by EPR Spectroscopy. <i>Inorganic Chemistry</i> , 2018, 57, 5048-5059.	4.0	29
31	Using <i>tert</i> -Butyl Groups in a Ligand To Identify Its Binding Site on a Protein. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 109-113.	2.8	4
32	Mosquito-Derived Anophelin Sulfopeptides Are Potent Antithrombotics. <i>ACS Central Science</i> , 2018, 4, 468-476.	11.3	37
33	Trimethylsilyl tag for probing protein-ligand interactions by NMR. <i>Journal of Biomolecular NMR</i> , 2018, 70, 211-218.	2.8	9
34	NMR studies of ligand binding. <i>Current Opinion in Structural Biology</i> , 2018, 48, 16-22.	5.7	48
35	Genetically encoded amino acids with <i>tert</i> -butyl and trimethylsilyl groups for site-selective studies of proteins by NMR spectroscopy. <i>Journal of Biomolecular NMR</i> , 2018, 71, 287-293.	2.8	14
36	Conversion of an amide to a high-energy thioester by <i>Staphylococcus aureus</i> sortase A is powered by variable binding affinity for calcium. <i>Scientific Reports</i> , 2018, 8, 16371.	3.3	8

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37	Accurate Electronâ€“Nucleus Distances from Paramagnetic Relaxation Enhancements. <i>Journal of the American Chemical Society</i> , 2018, 140, 7688-7697.	13.7	20
38	Fragment-Based Discovery of Inhibitors of the Bacterial DnaG-SSB Interaction. <i>Antibiotics</i> , 2018, 7, 14.	3.7	14
39	Small neutral Gd(ⁱⁱⁱ) tags for distance measurements in proteins by double electronâ€“electron resonance experiments. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 23535-23545.	2.8	22
40	Site-Specific Incorporation of Selenocysteine by Genetic Encoding as a Photocaged Unnatural Amino Acid. <i>Bioconjugate Chemistry</i> , 2018, 29, 2257-2264.	3.6	33
41	Intrinsic and Extrinsic Paramagnetic Probes. <i>New Developments in NMR</i> , 2018, , 42-84.	0.1	9
42	Protein Structure Determination by Assembling Super-Secondary Structure Motifs Using Pseudocontact Shifts. <i>Structure</i> , 2017, 25, 559-568.	3.3	17
43	New Lanthanide Tag for the Generation of Pseudocontact Shifts in DNA by Site-Specific Ligation to a Phosphorothioate Group. <i>Bioconjugate Chemistry</i> , 2017, 28, 1741-1748.	3.6	21
44	Structure restraints from heteronuclear pseudocontact shifts generated by lanthanide tags at two different sites. <i>Journal of Biomolecular NMR</i> , 2017, 68, 19-32.	2.8	14
45	3D Computational Modeling of Proteins Using Sparse Paramagnetic NMR Data. <i>Methods in Molecular Biology</i> , 2017, 1526, 3-21.	0.9	6
46	Solution conformations of a linked construct of the Zika virus NS2B-NS3 protease. <i>Antiviral Research</i> , 2017, 142, 141-147.	4.1	45
47	Pseudocontact shifts in biomolecular NMR using paramagnetic metal tags. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2017, 98-99, 20-49.	7.5	125
48	Selective Distance Measurements Using Triple Spin Labeling with Gd ³⁺ , Mn ²⁺ , and a Nitroxide. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 5277-5282.	4.6	45
49	Site-selective tagging of proteins by pnictogen-mediated self-assembly. <i>Chemical Communications</i> , 2017, 53, 10894-10897.	4.1	15
50	Doubleâ€“Arm Lanthanide Tags Deliver Narrow Gd ³⁺ â€“Gd ³⁺ Distance Distributions in Double Electronâ€“Electron Resonance (DEER) Measurements. <i>Chemistry - A European Journal</i> , 2017, 23, 11694-11702.	3.3	25
51	Chemical Tagging with <i>tert</i> -Butyl and Trimethylsilyl Groups for Measuring Intermolecular Nuclear Overhauser Effects in a Large Proteinâ€“Ligand Complex. <i>Chemistry - A European Journal</i> , 2017, 23, 13033-13036.	3.3	12
52	Overcoming artificial broadening in Gd ³⁺ â€“Gd ³⁺ distance distributions arising from dipolar pseudo-secular terms in DEER experiments. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 12847-12859.	2.8	28
53	3D Structure Determination of an Unstable Transient Enzyme Intermediate by Paramagnetic NMR Spectroscopy. <i>Angewandte Chemie</i> , 2016, 128, 13948-13952.	2.0	7
54	3D Structure Determination of an Unstable Transient Enzyme Intermediate by Paramagnetic NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13744-13748.	13.8	34

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55	Using Paramagnetism to Slow Down Nuclear Relaxation in Protein NMR. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 4815-4818.	4.6	19
56	Pseudocontact Shift-Driven Iterative Resampling for 3D Structure Determinations of Large Proteins. <i>Journal of Molecular Biology</i> , 2016, 428, 522-532.	4.2	26
57	RIDME distance measurements using Gd(III) tags with a narrow central transition. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 19037-19049.	2.8	39
58	Pulse EPR-enabled interpretation of scarce pseudocontact shifts induced by lanthanide binding tags. <i>Journal of Biomolecular NMR</i> , 2016, 64, 39-51.	2.8	14
59	Luminescent Alkyne-Bearing Terbium(III) Complexes and Their Application to Bioorthogonal Protein Labeling. <i>Inorganic Chemistry</i> , 2016, 55, 1674-1682.	4.0	26
60	Sensitive NMR Approach for Determining the Binding Mode of Tightly Binding Ligand Molecules to Protein Targets. <i>Journal of the American Chemical Society</i> , 2016, 138, 4539-4546.	13.7	53
61	Analysis of the solution conformations of T4 lysozyme by paramagnetic NMR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 5850-5859.	2.8	17
62	Compact, hydrophilic, lanthanide-binding tags for paramagnetic NMR spectroscopy. <i>Chemical Science</i> , 2015, 6, 2614-2624.	7.4	37
63	<i>tert</i> -Butyltyrosine, an NMR Tag for High-Molecular-Weight Systems and Measurements of Submicromolar Ligand Binding Affinities. <i>Journal of the American Chemical Society</i> , 2015, 137, 4581-4586.	13.7	28
64	Generation of Pseudocontact Shifts in Proteins with Lanthanides Using Small "Clickable" Nitritriacetic Acid and Iminodiacetic Acid Tags. <i>Chemistry - A European Journal</i> , 2015, 21, 5084-5092.	3.3	29
65	Protein conformation by EPR spectroscopy using gadolinium tags clicked to genetically encoded p-azido-phenylalanine. <i>Chemical Communications</i> , 2015, 51, 15898-15901.	4.1	67
66	Gd ³⁺ Spin Labeling for Measuring Distances in Biomacromolecules. <i>Methods in Enzymology</i> , 2015, 563, 415-457.	1.0	59
67	A New Gd ³⁺ Spin Label for Gd ³⁺ Distance Measurements in Proteins Produces Narrow Distance Distributions. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 5016-5021.	4.6	42
68	Capturing Conformational States in Proteins Using Sparse Paramagnetic NMR Data. <i>PLoS ONE</i> , 2015, 10, e0127053.	2.5	29
69	Intramolecular binding mode of the C-terminus of <i>Escherichia coli</i> single-stranded DNA binding protein determined by nuclear magnetic resonance spectroscopy. <i>Nucleic Acids Research</i> , 2014, 42, 2750-2757.	14.5	36
70	Selective ¹⁵ N-labeling of the side-chain amide groups of asparagine and glutamine for applications in paramagnetic NMR spectroscopy. <i>Journal of Biomolecular NMR</i> , 2014, 59, 251-261.	2.8	18
71	Bound or Free: Interaction of the C-Terminal Domain of <i>Escherichia coli</i> Single-Stranded DNA-Binding Protein (SSB) with the Tetrameric Core of SSB. <i>Biochemistry</i> , 2014, 53, 1925-1934.	2.5	52
72	Binding mode of the activity-modulating C-terminal segment of NS _{2B} to NS ₃ in the dengue virus NS _{2B} -NS ₃ protease. <i>FEBS Journal</i> , 2014, 281, 1517-1533.	4.7	50

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73	The dengue virus NS2Bâ€“NS3 protease retains the closed conformation in the complex with BPTI. FEBS Letters, 2014, 588, 2206-2211.	2.8	46
74	Iron(III) Located in the Dinuclear Metalloâ€“Lactamase IMPâ€“1 by Pseudocontact Shifts. Angewandte Chemie - International Edition, 2014, 53, 14269-14272.	13.8	14
75	Protein engineering with unnatural amino acids. Current Opinion in Structural Biology, 2013, 23, 581-587.	5.7	80
76	A systematic study of labelling an Î±-helix in a protein with a lanthanide using IDA-SH or NTA-SH tags. Journal of Biomolecular NMR, 2013, 55, 157-166.	2.8	23
77	In Situ Deprotection and Incorporation of Unnatural Amino Acids during Cellâ€“Free Protein Synthesis. Chemistry - A European Journal, 2013, 19, 6824-6830.	3.3	12
78	Biosynthetically directed 2H labelling for stereospecific resonance assignments of glycine methylene groups. Journal of Biomolecular NMR, 2013, 55, 97-104.	2.8	5
79	Synthesis of (Â±)-â€“Panduratin A and Related Natural Products Using the High Pressure Dielsâ€“Alder Reaction. Asian Journal of Organic Chemistry, 2013, 2, 60-63.	2.7	17
80	W-band orientation selective DEER measurements on a Gd3+/nitroxide mixed-labeled protein dimer with a dual mode cavity. Journal of Magnetic Resonance, 2013, 227, 66-71.	2.1	52
81	How reliable are pseudocontact shifts induced in proteins and ligands by mobile paramagnetic metal tags? A modelling study. Journal of Biomolecular NMR, 2013, 56, 203-216.	2.8	58
82	Three-Dimensional Protein Fold Determination from Backbone Amide Pseudocontact Shifts Generated by Lanthanide Tags at Multiple Sites. Structure, 2013, 21, 883-890.	3.3	77
83	Lanthanide Tags for Site-Specific Ligation to an Unnatural Amino Acid and Generation of Pseudocontact Shifts in Proteins. Bioconjugate Chemistry, 2013, 24, 260-268.	3.6	81
84	Gadolinium(III) Spin Labels for Highâ€“Sensitivity Distance Measurements in Transmembrane Helices. Angewandte Chemie - International Edition, 2013, 52, 11831-11834.	13.8	54
85	Proofreading exonuclease on a tether: the complex between the E. coli DNA polymerase III subunits Î±, Î±, Î±, and Î² reveals a highly flexible arrangement of the proofreading domain. Nucleic Acids Research, 2013, 41, 5354-5367.	14.5	34
86	Nanometer-Range Distance Measurement in a Protein Using Mn²⁺ Tags. Journal of Physical Chemistry Letters, 2012, 3, 157-160.	4.6	72
87	Backbone Assignment of Fully Protonated Solid Proteins by ¹H Detection and Ultrafast Magicâ€“Angleâ€“Spinning NMR Spectroscopy. Angewandte Chemie - International Edition, 2012, 51, 10756-10759.	13.8	95
88	Thiolâ€“ene reaction: a versatile tool in site-specific labelling of proteins with chemically inert tags for paramagnetic NMR. Chemical Communications, 2012, 48, 2704.	4.1	51
89	Protein Structure Determination from Pseudocontact Shifts Using ROSETTA. Journal of Molecular Biology, 2012, 416, 668-677.	4.2	106
90	High-yield cell-free protein synthesis for site-specific incorporation of unnatural amino acids at two sites. Biochemical and Biophysical Research Communications, 2012, 418, 652-656.	2.1	49

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91	Structural Basis for 5'-End-Specific Recognition of Single-Stranded DNA by the R3H Domain from Human Sfp2. <i>Journal of Molecular Biology</i> , 2012, 424, 42-53.	4.2	17
92	Spectroscopic selection of distance measurements in a protein dimer with mixed nitroxide and Gd ³⁺ spin labels. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 4355.	2.8	73
93	Multiple-Site Labeling of Proteins with Unnatural Amino Acids. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2243-2246.	13.8	89
94	Binding of Low Molecular Weight Inhibitors Promotes Large Conformational Changes in the Dengue Virus NS2B-NS3 Protease: Fold Analysis by Pseudocontact Shifts. <i>Journal of the American Chemical Society</i> , 2011, 133, 19205-19215.	13.7	119
95	DOTA-Amide Lanthanide Tag for Reliable Generation of Pseudocontact Shifts in Protein NMR Spectra. <i>Bioconjugate Chemistry</i> , 2011, 22, 2118-2125.	3.6	104
96	Gadolinium Tagging for High-Precision Measurements of 6 nm Distances in Protein Assemblies by EPR. <i>Journal of the American Chemical Society</i> , 2011, 133, 10418-10421.	13.7	104
97	Engineering of a bis-chelator motif into a protein α -helix for rigid lanthanide binding and paramagnetic NMR spectroscopy. <i>Chemical Communications</i> , 2011, 47, 7368.	4.1	44
98	Radiation damping on cryoprobes. <i>Journal of Magnetic Resonance</i> , 2011, 213, 76-81.	2.1	23
99	Improving a Natural Enzyme Activity through Incorporation of Unnatural Amino Acids. <i>Journal of the American Chemical Society</i> , 2011, 133, 326-333.	13.7	77
100	Suppression of isotope scrambling in cell-free protein synthesis by broadband inhibition of PLP enzymes for selective ¹⁵ N-labelling and production of perdeuterated proteins in H ₂ O. <i>Journal of Biomolecular NMR</i> , 2011, 50, 35-42.	2.8	37
101	Engineering [Ln(DPA) ₃] ³⁺ binding sites in proteins: a widely applicable method for tagging proteins with lanthanide ions. <i>Journal of Biomolecular NMR</i> , 2011, 50, 411-420.	2.8	26
102	Transformation of hemipentahydrate to monohydrate of risedronate monosodium by seed crystallization in solution. <i>AIChE Journal</i> , 2011, 57, 3385-3394.	3.6	4
103	Generation of Pseudocontact Shifts in Protein NMR Spectra with a Genetically Encoded Cobalt(II)-Binding Amino Acid. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 692-694.	13.8	33
104	4,4'-Dithiobisdipicolinic Acid: A Small and Convenient Lanthanide Binding Tag for Protein NMR Spectroscopy. <i>Chemistry - A European Journal</i> , 2011, 17, 6830-6836.	3.3	28
105	Using a Genetically Encoded Fluorescent Amino Acid as a Site-Specific Probe to Detect Binding of Low-Molecular-Weight Compounds. <i>Assay and Drug Development Technologies</i> , 2011, 9, 50-57.	1.2	18
106	Paramagnetic labelling of proteins and oligonucleotides for NMR. <i>Journal of Biomolecular NMR</i> , 2010, 46, 101-112.	2.8	157
107	Tunable paramagnetic relaxation enhancements by [Gd(DPA) ₃] ³⁺ for protein structure analysis. <i>Journal of Biomolecular NMR</i> , 2010, 47, 143-153.	2.8	23
108	3-Mercapto-2,6-Pyridinedicarboxylic Acid: A Small Lanthanide-Binding Tag for Protein Studies by NMR Spectroscopy. <i>Chemistry - A European Journal</i> , 2010, 16, 3827-3832.	3.3	50

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109	Chaperonin-encapsulation of proteins for NMR. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2010, 1804, 866-871.	2.3	10
110	Nanometer-Scale Distance Measurements in Proteins Using Gd ³⁺ Spin Labeling. <i>Journal of the American Chemical Society</i> , 2010, 132, 9040-9048.	13.7	143
111	Protein NMR Using Paramagnetic Ions. <i>Annual Review of Biophysics</i> , 2010, 39, 387-405.	10.0	354
112	Discovery of a Non-Peptidic Inhibitor of West Nile Virus NS3 Protease by High-Throughput Docking. <i>PLoS Neglected Tropical Diseases</i> , 2009, 3, e356.	3.0	71
113	A novel zinc-binding fold in the helicase interaction domain of the <i>Bacillus subtilis</i> Dnal helicase loader. <i>Nucleic Acids Research</i> , 2009, 37, 2395-2404.	14.5	16
114	NMR Analysis of the Dynamic Exchange of the NS2B Cofactor between Open and Closed Conformations of the West Nile Virus NS2B-NS3 Protease. <i>PLoS Neglected Tropical Diseases</i> , 2009, 3, e561.	3.0	75
115	Glutarate and N-acetyl-L-glutamate buffers for cell-free synthesis of selectively ¹⁵ N-labelled proteins. <i>Journal of Biomolecular NMR</i> , 2009, 44, 59-67.	2.8	15
116	NMR study of complexes between low molecular mass inhibitors and the West Nile virus NS2B-NS3 protease. <i>FEBS Journal</i> , 2009, 276, 4244-4255.	4.7	35
117	A fluorescence quenching assay to discriminate between specific and nonspecific inhibitors of dengue virus protease. <i>Analytical Biochemistry</i> , 2009, 395, 195-204.	2.4	92
118	Flaviviral Protease Inhibitors Identified by Fragment-Based Library Docking into a Structure Generated by Molecular Dynamics. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 4860-4868.	6.4	77
119	Cell-free synthesis and combinatorial selective ¹⁵ N-labeling of the cytotoxic protein amoebapore A from <i>Entamoeba histolytica</i> . <i>Protein Expression and Purification</i> , 2009, 68, 22-27.	1.3	18
120	[Ln(DPA) ₃] ³⁺ Is a Convenient Paramagnetic Shift Reagent for Protein NMR Studies. <i>Journal of the American Chemical Society</i> , 2009, 131, 10352-10353.	13.7	56
121	Memory T Cell RNA Rearrangement Programmed by Heterogeneous Nuclear Ribonucleoprotein hnRNPLL. <i>Immunity</i> , 2008, 29, 863-875.	14.3	71
122	Nubat: an interactive software tool for fitting ¹ H- ¹⁵ N-tensors to molecular coordinates using pseudocontact shifts. <i>Journal of Biomolecular NMR</i> , 2008, 41, 179-189.	2.8	168
123	Prospects for lanthanides in structural biology by NMR. <i>Journal of Biomolecular NMR</i> , 2008, 42, 1-9.	2.8	172
124	Ruthenium Complexes of Substituted Hydrazine: New Solution and Solid State Binding Modes. <i>Chemistry - A European Journal</i> , 2008, 14, 10058-10065.	3.3	13
125	A Dipicolinic Acid Tag for Rigid Lanthanide Tagging of Proteins and Paramagnetic NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2008, 130, 10486-10487.	13.7	117
126	Lanthanide-Binding Peptides for NMR Measurements of Residual Dipolar Couplings and Paramagnetic Effects from Multiple Angles. <i>Journal of the American Chemical Society</i> , 2008, 130, 1681-1687.	13.7	96

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127	The proofreading exonuclease subunit ϵ of Escherichia coli DNA polymerase III is tethered to the polymerase subunit β via a flexible linker. <i>Nucleic Acids Research</i> , 2008, 36, 5074-5082.	14.5	27
128	Cell-Free Protein Synthesis for Analysis by NMR Spectroscopy. <i>Methods in Molecular Biology</i> , 2008, 426, 257-268.	0.9	60
129	Stereocontrolled Synthesis of (S)- 3 -Fluoroleucine. <i>Synlett</i> , 2007, 2007, 1083-1084.	1.8	6
130	The unstructured C-terminus of the β , subunit of Escherichia coli DNA polymerase III holoenzyme is the site of interaction with the β subunit. <i>Nucleic Acids Research</i> , 2007, 35, 2813-2824.	14.5	53
131	Solution structure of Domains IVa and V of the β , subunit of Escherichia coli DNA polymerase III and interaction with the β subunit. <i>Nucleic Acids Research</i> , 2007, 35, 2825-2832.	14.5	39
132	NMR Structure Determination of Protein-Ligand Complexes by Lanthanide Labeling. <i>Accounts of Chemical Research</i> , 2007, 40, 206-212.	15.6	267
133	NMR Detection of Protein 15 N Spins near Paramagnetic Lanthanide Ions. <i>Journal of the American Chemical Society</i> , 2007, 129, 462-463.	13.7	16
134	Sequence-Specific and Stereospecific Assignment of Methyl Groups Using Paramagnetic Lanthanides. <i>Journal of the American Chemical Society</i> , 2007, 129, 13749-13757.	13.7	59
135	Cell-Free Transcription/Translation from PCR-Amplified DNA for High-Throughput NMR Studies. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 3356-3358.	13.8	69
136	Strategies for Measurements of Pseudocontact Shifts in Protein NMR Spectroscopy. <i>ChemPhysChem</i> , 2007, 8, 2309-2313.	2.1	33
137	Measurement of dissociation constants of high-molecular weight protein-protein complexes by transferred 15 N-relaxation. <i>Journal of Biomolecular NMR</i> , 2007, 38, 65-72.	2.8	18
138	Effect of protein stabilization on charge state distribution in positive- and negative-ion electrospray ionization mass spectra. <i>Journal of the American Society for Mass Spectrometry</i> , 2007, 18, 1605-1611.	2.8	18
139	Structure Determination of Protein-Ligand Complexes by Transferred Paramagnetic Shifts. <i>Journal of the American Chemical Society</i> , 2006, 128, 12910-12916.	13.7	102
140	Lanthanide Labeling Offers Fast NMR Approach to 3D Structure Determinations of Protein-Protein Complexes. <i>Journal of the American Chemical Society</i> , 2006, 128, 3696-3702.	13.7	125
141	NMR Structure of the WIF Domain of the Human Wnt-Inhibitory Factor-1. <i>Journal of Molecular Biology</i> , 2006, 357, 942-950.	4.2	42
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295	Sequence-specific 1H-NMR assignments and determination of the secondary structure in aqueous solution of the cardiotoxins CTXIIa and CTXIIb from <i>Naja mossambica mossambica</i> . <i>FEBS Journal</i> , 1987, 168, 609-620.	0.2	26
296	Sequential NMR assignments of labile protons in DNA using two-dimensional nuclear-Overhauser-enhancement spectroscopy with three jump-and-return pulse sequences. <i>FEBS Journal</i> , 1987, 166, 215-220.	0.2	27
297	Dynamic Liquid State NMR and IR Study of Tautomerism and Conformations of Tetraphenylloxalamidine, a Novel Small Intramolecular Double Hydrogen Transfer System. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1986, 90, 1122-1129.	0.9	27
298	Complete protein fingerprints by double-quantum spectroscopy. <i>Journal of Magnetic Resonance</i> , 1986, 66, 359-363.	0.5	20
299	Origin of $\bar{I}_{1,2}$ and $\bar{I}_{2,2}$ ridges in 2D NMR spectra and procedures for suppression. <i>Journal of Magnetic Resonance</i> , 1986, 66, 187-193.	0.5	152
300	Editing of 2D 1H NMR spectra using X half-filters. combined use with residue-selective 15N labeling of proteins. <i>Journal of Magnetic Resonance</i> , 1986, 70, 500-505.	0.5	57
301	Genetic Encoding of Cyanopyridylalanine for In-Cell Protein Macrocyclization by the Nitrile-Aminothiol Click Reaction. <i>Angewandte Chemie</i> , 0, , .	2.0	0