Hartmut Oschkinat

List of Publications by Year
in descending order

238 papers	14,593 citations	20817 60 h-index	24258 110 g-index
260 all docs	260 docs citations	260 times ranked	11219 citing authors

#	Article	IF	Citations
1	An Integrated Pharmacological, Structural, and Genetic Analysis of Extracellular Versus Intracellular ROS Production in Neutrophils. Journal of Molecular Biology, 2022, 434, 167533.	4.2	2
2	Similarities and Differences among Protein Dynamics Studied by Variable Temperature Nuclear Magnetic Resonance Relaxation. Journal of Physical Chemistry B, 2021, 125, 2212-2221.	2.6	6
3	NMR structure and dynamics of Q4DY78, a conserved kinetoplasid-specific protein from Trypanosoma cruzi. Journal of Structural Biology, 2021, 213, 107715.	2.8	0
4	Small-molecule inhibitors of the PDZ domain of Dishevelled proteins interrupt Wnt signalling. Magnetic Resonance, 2021, 2, 355-374.	1.9	5
5	How solvent-free crosslinking conditions alter the chemistry and topology of hemiketal based polymer networks. Polymer, 2021, 229, 123986.	3.8	0
6	Protein resonance assignment by BSHâ€CPâ€based 3D solidâ€state NMR experiments: A practical guide. Magnetic Resonance in Chemistry, 2020, 58, 445-465.	1.9	9
7	Pigmentierungschemie und radikalbasierter Kollagenabbau bei Alkaptonurie und Arthrose. Angewandte Chemie, 2020, 132, 12035-12040.	2.0	0
8	Innentitelbild: Pigmentierungschemie und radikalbasierter Kollagenabbau bei Alkaptonurie und Arthrose (Angew. Chem. 29/2020). Angewandte Chemie, 2020, 132, 11770-11770.	2.0	0
9	NMR quality control of fragment libraries for screening. Journal of Biomolecular NMR, 2020, 74, 555-563.	2.8	23
10	MAS NMR detection of hydrogen bonds for protein secondary structure characterization. Journal of Biomolecular NMR, 2020, 74, 247-256.	2.8	13
11	Pigmentation Chemistry and Radicalâ€Based Collagen Degradation in Alkaptonuria and Osteoarthritic Cartilage. Angewandte Chemie - International Edition, 2020, 59, 11937-11942.	13.8	34
12	Collective exchange processes reveal an active site proton cage in bacteriorhodopsin. Communications Biology, 2020, 3, 4.	4.4	14
13	pHâ€Dependent Protonation of Surface Carboxylate Groups in PsbO Enables Local Buffering and Triggers Structural Changes. ChemBioChem, 2020, 21, 1597-1604.	2.6	16
14	Designed nanomolar small-molecule inhibitors of Ena/VASP EVH1 interaction impair invasion and extravasation of breast cancer cells. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 29684-29690.	7.1	21
15	Detection of nucleic acids and other low abundance components in native bone and osteosarcoma extracellular matrix by isotope enrichment and DNP-enhanced NMR. RSC Advances, 2019, 9, 26686-26690.	3.6	13
16	Dynamic Nuclear Polarization Magic-Angle Spinning Nuclear Magnetic Resonance Combined with Molecular Dynamics Simulations Permits Detection of Order and Disorder in Viral Assemblies. Journal of Physical Chemistry B, 2019, 123, 5048-5058.	2.6	31
17	Host monitoring of quorum sensing during Pseudomonas aeruginosa infection. Science, 2019, 366, .	12.6	95
18	DNP NMR of biomolecular assemblies. Journal of Structural Biology, 2019, 206, 90-98.	2.8	64

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19	Understanding the roles of functional peptides in designing apatite and silica nanomaterials biomimetically using NMR techniques. Current Opinion in Colloid and Interface Science, 2018, 33, 44-52.	7.4	14
20	Structural changes of TasA in biofilm formation of Bacillus subtilis. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3237-3242.	7.1	97
21	Essential but sparse collagen hydroxylysyl post-translational modifications detected by DNP NMR. Chemical Communications, 2018, 54, 12570-12573.	4.1	13
22	RIP2 filament formation is required for NOD2 dependent NF-ÎºB signalling. Nature Communications, 2018, 9, 4043.	12.8	55
23	Insight into small molecule binding to the neonatal Fc receptor by X-ray crystallography and 100 kHz magic-angle-spinning NMR. PLoS Biology, 2018, 16, e2006192.	5.6	31
24	Efficiency of Waterâ€Soluble Nitroxide Biradicals for Dynamic Nuclear Polarization in Rotating Solids at 9.4â€…T: bcTolâ€M and cyolylâ€TOTAPOL as New Polarizing Agents. Chemistry - A European Journal, 2018, 24, 13485-13494.	3.3	37
25	The protofilament architecture of a de novo designed coiled coil-based amyloidogenic peptide. Journal of Structural Biology, 2018, 203, 263-272.	2.8	6
26	Structural insight into protein-aided bacterial biofilm formation. Acta Crystallographica Section A: Foundations and Advances, 2018, 74, e206-e206.	0.1	0
27	Structure of outer membrane protein G in lipid bilayers. Nature Communications, 2017, 8, 2073.	12.8	91
28	Quantitative and Qualitative Analysis of Surface Modified Cellulose Utilizing TGA-MS. Materials, 2016, 9, 415.	2.9	51
29	Multifunctional Benzoxazines Feature Low Polymerization Temperature and Diverse Polymer Structures. Polymers, 2016, 8, 278.	4.5	31
30	Surface Binding of TOTAPOL Assists Structural Investigations of Amyloid Fibrils by Dynamic Nuclear Polarization NMR Spectroscopy. ChemBioChem, 2016, 17, 1308-1311.	2.6	25
31	Chemical shift assignments and secondary structure prediction for Q4DY78, a conserved kinetoplastid-specific protein from Trypanosoma cruzi. Biomolecular NMR Assignments, 2016, 10, 325-328.	0.8	1
32	Dynamic Nuclear Polarization Provides New Insights into Chromophore Structure in Phytochrome Photoreceptors. Angewandte Chemie, 2016, 128, 16251-16254.	2.0	2
33	Structural analysis of a signal peptide inside the ribosome tunnel by DNP MAS NMR. Science Advances, 2016, 2, e1600379.	10.3	33
34	Structural biology applications of solid state MAS DNP NMR. Journal of Magnetic Resonance, 2016, 269, 213-224.	2.1	55
35	On The Potential of Dynamic Nuclear Polarization Enhanced Diamonds in Solid-State and Dissolution13Câ€…NMR Spectroscopy. ChemPhysChem, 2016, 17, 2611-2611.	2.1	1
36	Dynamic Nuclear Polarization Provides New Insights into Chromophore Structure in Phytochrome Photoreceptors. Angewandte Chemie - International Edition, 2016, 55, 16017-16020.	13.8	22

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37	On The Potential of Dynamic Nuclear Polarization Enhanced Diamonds in Solidâ€State and Dissolution ¹³Câ€...NMR Spectroscopy. ChemPhysChem, 2016, 17, 2691-2701.	2.1	21
38	Temperature dependence of cross-effect dynamic nuclear polarization in rotating solids: advantages of elevated temperatures. Physical Chemistry Chemical Physics, 2016, 18, 30696-30704.	2.8	30
39	bcTol: a highly water-soluble biradical for efficient dynamic nuclear polarization of biomolecules. Chemical Communications, 2016, 52, 7020-7023.	4.1	49
40	Dynamic Nuclear Polarization Enhanced MAS NMR Spectroscopy for Structural Analysis of HIV-1 Protein Assemblies. Journal of Physical Chemistry B, 2016, 120, 329-339.	2.6	49
41	Studying the Conformation of a Silaffin-Derived Pentalysine Peptide Embedded in Bioinspired Silica using Solution and Dynamic Nuclear Polarization Magic-Angle Spinning NMR. Journal of the American Chemical Society, 2016, 138, 5561-5567.	13.7	46
42	Alterations in creatine metabolism observed in experimental autoimmune myocarditis using ex vivo proton magic angle spinning MRS. NMR in Biomedicine, 2015, 28, 1625-1633.	2.8	3
43	Sensitivity and resolution of proton detected spectra of a deuterated protein at 40 and 60ÂkHz magic-angle-spinning. Journal of Biomolecular NMR, 2015, 61, 161-171.	2.8	34
44	Theoretical aspects of Magic Angle Spinning - Dynamic Nuclear Polarization. Journal of Magnetic Resonance, 2015, 258, 102-120.	2.1	101
45	A modular toolkit to inhibit proline-rich motifâ€“mediated proteinâ€“protein interactions. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5011-5016.	7.1	39
46	Lightâ€“Dark Adaptation of Channelrhodopsin Involves Photoconversion between the all-trans and 13-cis Retinal Isomers. Biochemistry, 2015, 54, 5389-5400.	2.5	54
47	Smallâ€Molecule Inhibitors of AF6 PDZâ€Mediated Proteinâ€“Protein Interactions. ChemMedChem, 2014, 9, 1458-1462.	3.2	7
48	Low-power polarization transfer between deuterons and spin-1/2 nuclei using adiabatic RESPIRATIONCP in solid-state NMR. Physical Chemistry Chemical Physics, 2014, 16, 2827.	2.8	22
49	AhR sensing of bacterial pigments regulates antibacterial defence. Nature, 2014, 512, 387-392.	27.8	309
50	Rapid Proton-Detected NMR Assignment for Proteins with Fast Magic Angle Spinning. Journal of the American Chemical Society, 2014, 136, 12489-12497.	13.7	254
51	Quadrupleâ€Resonance Magicâ€Angle Spinning NMR Spectroscopy of Deuterated Solid Proteins. Angewandte Chemie - International Edition, 2014, 53, 2438-2442.	13.8	17
52	Dynamic Nuclear Polarization Enhanced NMR in the Solid-State. Topics in Current Chemistry, 2013, 338, 181-228.	4.0	45
53	A Wellâ€Defined Pd Hybrid Material for the Zâ€Selective Semihydrogenation of Alkynes Characterized at the Molecular Level by DNP SENS. Chemistry - A European Journal, 2013, 19, 12234-12238.	3.3	61
54	Dynamic nuclear polarization of spherical nanoparticles. Physical Chemistry Chemical Physics, 2013, 15, 20706.	2.8	52

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55	Preferential and Specific Binding of Human Î±B-Crystallin to a Cataract-Related Variant of Î³S-Crystallin. Structure, 2013, 21, 2221-2227.	3.3	53
56	The Mechanism of Denaturation and the Unfolded State of the Î±-Helical Membrane-Associated Protein Mistic. Journal of the American Chemical Society, 2013, 135, 18884-18891.	13.7	16
57	Improved Dynamic Nuclear Polarization Surfaceâ€Enhanced NMR Spectroscopy through Controlled Incorporation of Deuterated Functional Groups. Angewandte Chemie - International Edition, 2013, 52, 1222-1225.	13.8	58
58	Out-and-back 13Câ€“13C scalar transfers in protein resonance assignment by proton-detected solid-state NMR under ultra-fast MAS. Journal of Biomolecular NMR, 2013, 56, 379-386.	2.8	54
59	A Floquet description of phase alternated sequences for efficient homonuclear recoupling in solid perdeuterated systems. Journal of Magnetic Resonance, 2013, 234, 10-20.	2.1	6
60	The Clip-Segment of the von Willebrand Domain 1 of the BMP Modulator Protein Crossveinless 2 Is Preformed. Molecules, 2013, 18, 11658-11682.	3.8	9
61	Antigen 85C Inhibition Restricts Mycobacterium tuberculosis Growth through Disruption of Cord Factor Biosynthesis. Antimicrobial Agents and Chemotherapy, 2012, 56, 1735-1743.	3.2	62
62	Fast passage dynamic nuclear polarization on rotating solids. Journal of Magnetic Resonance, 2012, 224, 13-21.	2.1	140
63	In support of the BMRB. Nature Structural and Molecular Biology, 2012, 19, 854-860.	8.2	6
64	High-Temperature Dynamic Nuclear Polarization Enhanced Magic-Angle-Spinning NMR. Applied Magnetic Resonance, 2012, 43, 81-90.	1.2	31
65	Developing DNP/Solid-State NMR Spectroscopy of Oriented Membranes. Applied Magnetic Resonance, 2012, 43, 91-106.	1.2	19
66	Broadband excitation pulses for highâ€field solidâ€state nuclear magnetic resonance spectroscopy. Magnetic Resonance in Chemistry, 2012, 50, 284-288.	1.9	4
67	Efficient Modeling of Symmetric Protein Aggregates from NMR Data. Angewandte Chemie - International Edition, 2012, 51, 6916-6919.	13.8	7
68	Solid-state magic-angle spinning NMR of membrane proteins and proteinâ€“ligand interactions. European Journal of Cell Biology, 2012, 91, 340-348.	3.6	38
69	A comparison of NCO and NCA transfer methods for biological solid-state NMR spectroscopy. Journal of Magnetic Resonance, 2012, 214, 81-90.	2.1	32
70	Rapid solid-state NMR of deuterated proteins by interleaved cross-polarization from 1H and 2H nuclei. Journal of Magnetic Resonance, 2012, 214, 324-328.	2.1	24
71	The effect of biradical concentration on the performance of DNP-MAS-NMR. Journal of Magnetic Resonance, 2012, 216, 209-212.	2.1	78
72	Practical aspects of high-sensitivity multidimensional 13C MAS NMR spectroscopy of perdeuterated proteins. Journal of Magnetic Resonance, 2012, 217, 77-85.	2.1	17

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73	Characterization of Membrane Proteins in Isolated Native Cellular Membranes by Dynamic Nuclear Polarization Solidâ€State NMR Spectroscopy without Purification and Reconstitution. Angewandte Chemie - International Edition, 2012, 51, 432-435.	13.8	124
74	Optimal ²H rf Pulses and ²Hâ€“¹³C Cross-Polarization Methods for Solid-State ²H MAS NMR of Perdeuterated Proteins. Journal of Physical Chemistry Letters, 2011, 2, 1289-1294.	4.6	39
75	Neurotoxin II Bound to Acetylcholine Receptors in Native Membranes Studied by Dynamic Nuclear Polarization NMR. Journal of the American Chemical Society, 2011, 133, 19266-19269.	13.7	108
76	Enhanced Resolution and Coherence Lifetimes in the Solid-State NMR Spectroscopy of Perdeuterated Proteins under Ultrafast Magic-Angle Spinning. Journal of Physical Chemistry Letters, 2011, 2, 2205-2211.	4.6	123
77	The Structure of MESD45â€“184 Brings Light into the Mechanism of LDLR Family Folding. Structure, 2011, 19, 337-348.	3.3	8
78	Cryogenic temperature effects and resolution upon slow cooling of protein preparations in solid state NMR. Journal of Biomolecular NMR, 2011, 51, 283-292.	2.8	108
79	A software framework for analysing solid-state MAS NMR data. Journal of Biomolecular NMR, 2011, 51, 437-447.	2.8	138
80	Three-dimensional deuterium-carbon correlation experiments for high-resolution solid-state MAS NMR spectroscopy of large proteins. Journal of Biomolecular NMR, 2011, 51, 477-485.	2.8	31
81	Discovery, Structureâ€“Activity Relationship Studies, and Crystal Structure of Nonpeptide Inhibitors Bound to the Shank3 PDZ Domain. ChemMedChem, 2011, 6, 1411-1422.	3.2	34
82	Triple Resonance Crossâ€Polarization for More Sensitive ¹³C MAS NMR Spectroscopy of Deuterated Proteins. ChemPhysChem, 2011, 12, 2092-2096.	2.1	26
83	Protonâ€Detected Solidâ€State NMR Spectroscopy of Fibrillar and Membrane Proteins. Angewandte Chemie - International Edition, 2011, 50, 4508-4512.	13.8	179
84	Radio frequency assisted homonuclear recoupling â€“ A Floquet description of homonuclear recoupling via surrounding heteronuclei in fully protonated to fully deuterated systems. Journal of Magnetic Resonance, 2011, 209, 207-219.	2.1	19
85	SNARE motif-mediated sorting of synaptobrevin by the endocytic adaptors clathrin assembly lymphoid myeloid leukemia (CALM) and AP180 at synapses. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 13540-13545.	7.1	123
86	N-terminal domain of Î±B-crystallin provides a conformational switch for multimerization and structural heterogeneity. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 6409-6414.	7.1	185
87	Optimum levels of exchangeable protons in perdeuterated proteins for proton detection in MAS solid-state NMR spectroscopy. Journal of Biomolecular NMR, 2010, 46, 67-73.	2.8	120
88	Azides Derived from Colchicine and their Use in Library Synthesis: a Practical Entry to New Bioactive Derivatives of an Old Natural Drug. ChemMedChem, 2010, 5, 661-665.	3.2	40
89	A MAS NMR Study of the Bacterial ABC Transporter ArtMP. ChemBioChem, 2010, 11, 547-555.	2.6	37
90	Addressing Proteinâ€“Protein Interactions with Small Molecules: A Proâ€Pro Dipeptide Mimic with a PPII Helix Conformation as a Module for the Synthesis of PRDâ€Binding Ligands. Angewandte Chemie - International Edition, 2010, 49, 7111-7115.	13.8	44

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91	Dynamic Nuclear Polarization of Deuterated Proteins. Angewandte Chemie - International Edition, 2010, 49, 7803-7806.	13.8	154
92	Solid-state NMR and SAXS studies provide a structural basis for the activation of Î±B-crystallin oligomers. Nature Structural and Molecular Biology, 2010, 17, 1037-1042.	8.2	263
93	A Novel Subtype of AP-1-binding Motif within the Palmitoylated trans-Golgi Network/Endosomal Accessory Protein Gadkin/Î³-BAR. Journal of Biological Chemistry, 2010, 285, 4074-4086.	3.4	10
94	Intermolecular Proteinâ˜’RNA Interactions Revealed by 2D 31Pâ˜’15N Magic Angle Spinning Solid-State NMR Spectroscopy. Journal of the American Chemical Society, 2010, 132, 3842-3846.	13.7	40
95	Regulation of endosomal membrane traffic by a Gadkin/AP-1/kinesin KIF5 complex. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 15344-15349.	7.1	85
96	Largeâ€scale purification of ribosomeâ€nascent chain complexes for biochemical and structural studies. FEBS Letters, 2009, 583, 2407-2413.	2.8	41
97	Assigning large proteins in the solid state: a MAS NMR resonance assignment strategy using selectively and extensively 13C-labelled proteins. Journal of Biomolecular NMR, 2009, 44, 245-260.	2.8	110
98	Large Protein Complexes with Extreme Rotational Correlation Times Investigated in Solution by Magic-Angle-Spinning NMR Spectroscopy. Journal of the American Chemical Society, 2009, 131, 15968-15969.	13.7	86
99	Double-Nucleus Enhanced Recoupling for Efficient ¹³C MAS NMR Correlation Spectroscopy of Perdeuterated Proteins. Journal of the American Chemical Society, 2009, 131, 17054-17055.	13.7	20
100	NMR structure of the Wnt modulator protein Sclerostin. Biochemical and Biophysical Research Communications, 2009, 380, 160-165.	2.1	72
101	Î±B-Crystallin: A Hybrid Solid-State/Solution-State NMR Investigation Reveals Structural Aspects of the Heterogeneous Oligomer. Journal of Molecular Biology, 2009, 385, 1481-1497.	4.2	106
102	Loop 3 of Short Neurotoxin II is an Additional Interaction Site with Membrane-bound Nicotinic Acetylcholine Receptor as Detected by Solid-state NMR Spectroscopy. Journal of Molecular Biology, 2009, 390, 662-671.	4.2	25
103	Backbone and sidechain 1H, 13C and 15N resonance assignments of the Bright/ARID domain from the human JARID1C (SMCX) protein. Biomolecular NMR Assignments, 2008, 2, 9-11.	0.8	16
104	A Sequential Assignment Procedure for Proteins that have Intermediate Line Widths in MAS NMR Spectra: Amyloid Fibrils of Human CA150.WW2. ChemBioChem, 2008, 9, 1946-1952.	2.6	14
105	Perspectives on NMR in drug discovery: a technique comes of age. Nature Reviews Drug Discovery, 2008, 7, 738-745.	46.4	373
106	Delay of phagosome maturation by a mycobacterial lipid is reversed by nitric oxide. Cellular Microbiology, 2008, 10, 1530-1545.	2.1	122
107	Crystalline Aluminum Hydroxy Fluorides: Structural Insights Obtained by High Field Solid State NMR and Trend Analyses. Journal of Physical Chemistry C, 2008, 112, 15708-15720.	3.1	36
108	[2,3-13C]-labeling of Aromatic ResiduesGetting a Head Start in the Magic-Angle-Spinning NMR Assignment of Membrane Proteins. Journal of the American Chemical Society, 2008, 130, 408-409.	13.7	48

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109	Small-Molecule Scaffolds for CYP51 Inhibitors Identified by High-Throughput Screening and Defined by X-Ray Crystallography. Antimicrobial Agents and Chemotherapy, 2007, 51, 3915-3923.	3.2	70
110	Structural Characterization of a New Binding Motif and a Novel Binding Mode in Group 2 WW Domains. Journal of Molecular Biology, 2007, 373, 1255-1268.	4.2	15
111	J-Deconvolution Using Maximum Entropy Reconstruction Applied to13Câ^'13C Solid-State Cross-Polarization Magic-Angle-Spinning NMR of Proteins. Journal of the American Chemical Society, 2007, 129, 6682-6683.	13.7	10
112	Solid-State NMR of Matrix Metalloproteinase 12: An Approach Complementary to Solution NMR. ChemBioChem, 2007, 8, 486-489.	2.6	40
113	The solution structure of the core of mesoderm development (MESD), a chaperone for members of the LDLR-family. Journal of Structural and Functional Genomics, 2007, 7, 131-138.	1.2	7
114	Resonance assignment of the RGS domain of human RGS10. Journal of Biomolecular NMR, 2007, 38, 191-191.	2.8	0
115	Backbone and sidechain 1H, 13C and 15N resonance assignments of the RGS domain from human RGS14. Biomolecular NMR Assignments, 2007, 1, 95-97.	0.8	0
116	Solution Structure and Backbone Dynamics of the Trypanosoma cruzi Cysteine Protease Inhibitor Chagasin. Journal of Molecular Biology, 2006, 357, 1511-1521.	4.2	40
117	High yield expression and purification of isotopically labelled human endothelin-1 for use in NMR studies. Protein Expression and Purification, 2006, 48, 253-260.	1.3	8
118	1 H, 15 N and 13C assignments of the cysteine protease inhibitor Chagasin from Trypanosoma cruzi. Journal of Biomolecular NMR, 2006, 36, 30-30.	2.8	1
119	Spectral editing: selection of methyl groups in multidimensional solid-state magic-angle spinning NMR. Journal of Biomolecular NMR, 2006, 36, 169-177.	2.8	20
120	Discovery of Low-Molecular-Weight Ligands for the AF6 PDZ Domain. Angewandte Chemie - International Edition, 2006, 45, 3790-3795.	13.8	41
121	General structural motifs of amyloid protofilaments. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 16248-16253.	7.1	176
122	Quantitative study of the effects of chemical shift tolerances and rates of SA cooling on structure calculation from automatically assigned NOE data. Journal of Magnetic Resonance, 2005, 175, 92-102.	2.1	31
123	Recognition of Proline-Rich Motifs by Protein-Protein-Interaction Domains. Angewandte Chemie - International Edition, 2005, 44, 2852-2869.	13.8	236
124	13C-Labeled Tyrosine Residues as Local IR Probes for Monitoring Conformational Changes in Peptides and Proteins. Angewandte Chemie - International Edition, 2005, 44, 4631-4635.	13.8	27
125	SOLARIA: A Protocol for Automated Cross-Peak Assignment and Structure Calculation for Solid-State Magic-Angle Spinning NMR Spectroscopy. Angewandte Chemie - International Edition, 2005, 44, 6151-6154.	13.8	29
126	Solid-State Magic-Angle Spinning NMR of Outer-Membrane Protein G from Escherichia coli. ChemBioChem, 2005, 6, 1679-1684.	2.6	79

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127	Recognition of Proline-Rich Motifs by Proteinâ€"Protein-Interaction Domains. ChemInform, 2005, 36, no.	0.0	0
128	Influence of chemical shift tolerances on NMR structure calculations using ARIA protocols for assigning NOE data. Journal of Biomolecular NMR, 2005, 31, 21-34.	2.8	9
129	A modified strategy for sequence specific assignment of protein NMR spectra based on amino acid type selective experiments. Journal of Biomolecular NMR, 2005, 31, 115-128.	2.8	21
130	Detection of dynamic water molecules in a microcrystalline sample of the SH3 domain of Î±-spectrin by MAS solid-state NMR. Journal of Biomolecular NMR, 2005, 31, 295-310.	2.8	78
131	Structural Basis for APPTPPPLPP Peptide Recognition by the FBP11WW1 Domain. Journal of Molecular Biology, 2005, 348, 399-408.	4.2	22
132	The solution structure of an N-terminally truncated version of the yeast CDC24p PB1 domain shows a different Î²-sheet topology. FEBS Letters, 2005, 579, 3534-3538.	2.8	4
133	NMR fragment screening: tackling protein-protein interaction targets. Current Opinion in Drug Discovery & Development, 2005, 8, 365-73.	1.9	9
134	The solution structure of the N-terminal domain of E3L shows a tyrosine conformation that may explain its reduced affinity to Z-DNA in vitro. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 2712-2717.	7.1	50
135	The Oxidized Subunit B8 from Human Complex I Adopts a Thioredoxin Fold. Structure, 2004, 12, 1645-1654.	3.3	29
136	Letter to the Editor:1H,13C and15N Resonance Assignment of the Human Spred2 EVH1 Domain. Journal of Biomolecular NMR, 2004, 29, 435-436.	2.8	4
137	Letter to the Editor:1H,13C and15N resonance assignments of the C-terminal BRCT domain from human BRCA1. Journal of Biomolecular NMR, 2004, 30, 221-222.	2.8	1
138	Sulindac-Derived Ras Pathway Inhibitors Target the Rasâ€"Raf Interaction and Downstream Effectors in the Ras Pathway. Angewandte Chemie - International Edition, 2004, 43, 454-458.	13.8	78
139	The SEP domain of p47 acts as a reversible competitive inhibitor of cathepsin L. FEBS Letters, 2004, 576, 358-362.	2.8	18
140	Quantification of PDZ Domain Specificity, Prediction of Ligand Affinity and Rational Design of Super-binding Peptides. Journal of Molecular Biology, 2004, 343, 703-718.	4.2	138
141	Comparative Structural and Energetic Analysis of WW Domainâ€"Peptide Interactions. Journal of Molecular Biology, 2004, 344, 865-881.	4.2	37
142	The solution structure of the SODD BAG domain reveals additional electrostatic interactions in the HSP70 complexes of SODD subfamily BAG domains. FEBS Letters, 2004, 558, 101-106.	2.8	12
143	Towards structure determination of neurotoxin II bound to nicotinic acetylcholine receptor: a solid-state NMR approach. FEBS Letters, 2004, 564, 319-324.	2.8	29
144	Assignment of amide proton signals by combined evaluation of HN, NN and HNCA MAS-NMR correlation spectra. Journal of Biomolecular NMR, 2003, 25, 217-223.	2.8	45

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145	Combining SPOT Synthesis and Native Peptide Ligation to Create Large Arrays of WW Protein Domains. Angewandte Chemie, 2003, 115, 1168-1172.	2.0	10
146	Combining SPOT Synthesis and Native Peptide Ligation to Create Large Arrays of WW Protein Domains. Angewandte Chemie - International Edition, 2003, 42, 1136-1140.	13.8	51
147	WW domain sequence activity relationships identified using ligand recognition propensities of 42 WW domains. Protein Science, 2003, 12, 491-500.	7.6	119
148	Measurement of Multiple Ï^ Torsion Angles in Uniformly 13C,15N-Labeled Î±-Spectrin SH3 Domain Using 3D 15Nâ^'13Câ^'13Câ^'15N MAS Dipolar-Chemical Shift Correlation Spectroscopy. Journal of the American Chemical Society, 2003, 125, 6827-6833.	13.7	57
149	1H Detection in MAS Solid-State NMR Spectroscopy of Biomacromolecules Employing Pulsed Field Gradients for Residual Solvent SuppressionâŠ¥. Journal of the American Chemical Society, 2003, 125, 7788-7789.	13.7	132
150	Determination of Solid-State NMR Structures of Proteins by Means of Three-Dimensional 15Nâ^'13Câ^'13C Dipolar Correlation Spectroscopy and Chemical Shift Analysis. Biochemistry, 2003, 42, 11476-11483.	2.5	132
151	The ScPex13p SH3 Domain Exposes Two Distinct Binding Sites for Pex5p and Pex14p. Journal of Molecular Biology, 2003, 326, 1427-1435.	4.2	80
152	Characterization of 1Hâ^'H Distances in a Uniformly 2H,15N-Labeled SH3 Domain by MAS Solid-State NMR SpectroscopyÂ§. Journal of the American Chemical Society, 2003, 125, 1488-1489.	13.7	77
153	Design of N-substituted Peptomer Ligands for EVH1 Domains. Journal of Biological Chemistry, 2003, 278, 36810-36818.	3.4	22
154	Biosynthesis of Riboflavin in Archaea Studies on the Mechanism of 3,4-Dihydroxy-2-butanone-4-phosphate Synthase of Methanococcus jannaschii. Journal of Biological Chemistry, 2002, 277, 41410-41416.	3.4	28
155	The structures of the active center in dark-adapted bacteriorhodopsin by solution-state NMR spectroscopy. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 9765-9770.	7.1	48
156	Linking Structural Biology With Genome Research. , 2002, , 179-189.		1
157	Relaxation, Equilibrium Oligomerization, and Molecular Symmetry of the VASP (336â^'380) EVH2 Tetramer. Biochemistry, 2002, 41, 11143-11151.	2.5	27
158	EVH1 domains: structure, function and interactions. FEBS Letters, 2002, 513, 45-52.	2.8	132
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