

Anja Bäckmann

List of Publications by Year in descending order

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150
papers

8,680
citations

50170

46
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51492

86
g-index

171
all docs

171
docs citations

171
times ranked

6293
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural and functional characterization of two alpha-synuclein strains. Nature Communications, 2013, 4, 2575.	5.8	721
2	Atomic-resolution structure of a disease-relevant A β (1-42) amyloid fibril. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E4976-84.	3.3	712
3	De novo 3D Structure Determination from Sub-milligram Protein Samples by Solid-State 100-MHz MAS NMR Spectroscopy. Angewandte Chemie - International Edition, 2014, 53, 12253-12256.	7.2	294
4	Atomic-Resolution Three-Dimensional Structure of HET-s(218-289) Amyloid Fibrils by Solid-State NMR Spectroscopy. Journal of the American Chemical Society, 2010, 132, 13765-13775.	6.6	252
5	Atomic-Resolution Three-Dimensional Structure of Amyloid β Fibrils Bearing the Osaka Mutation. Angewandte Chemie - International Edition, 2015, 54, 331-335.	7.2	245
6	Characterization of different water pools in solid-state NMR protein samples. Journal of Biomolecular NMR, 2009, 45, 319-327.	1.6	239
7	Partial NMR assignments for uniformly (^{13}C , ^{15}N)-enriched BPTI in the solid state. Journal of Biomolecular NMR, 2000, 16, 209-219.	1.6	232
8	Two new polymorphic structures of human full-length alpha-synuclein fibrils solved by cryo-electron microscopy. ELife, 2019, 8, .	2.8	220
9	Proton assisted recoupling and protein structure determination. Journal of Chemical Physics, 2008, 129, 245101.	1.2	183
10	A Proton-Detected 4D Solid-State NMR Experiment for Protein Structure Determination. ChemPhysChem, 2011, 12, 915-918.	1.0	160
11	Solid state NMR sequential resonance assignments and conformational analysis of the 2x10.4 kDa dimeric form of the Bacillus subtilis protein Crh. Journal of Biomolecular NMR, 2003, 27, 323-339.	1.6	158
12	Proton to Carbon-13 INEPT in Solid-State NMR Spectroscopy. Journal of the American Chemical Society, 2005, 127, 17296-17302.	6.6	138
13	3D Structure Determination of the Crh Protein from Highly Ambiguous Solid-State NMR Restraints. Journal of the American Chemical Society, 2008, 130, 3579-3589.	6.6	135
14	Structure and assembly of the mouse ASC inflammasome by combined NMR spectroscopy and cryo-electron microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13237-13242.	3.3	133
15	The Amyloid Congo Red Interface at Atomic Resolution. Angewandte Chemie - International Edition, 2011, 50, 5956-5960.	7.2	132
16	Structure-based drug design identifies polythiophenes as antiprion compounds. Science Translational Medicine, 2015, 7, 299ra123.	5.8	130
17	Spinning proteins, the faster, the better?. Journal of Magnetic Resonance, 2015, 253, 71-79.	1.2	127
18	Protocols for the Sequential Solid-State NMR Spectroscopic Assignment of a Uniformly Labeled 25 kDa Protein: HET-s(1-227). ChemBioChem, 2010, 11, 1543-1551.	1.3	126

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19	Involvement of Electrostatic Interactions in the Mechanism of Peptide Folding Induced by Sodium Dodecyl Sulfate Binding. <i>Biochemistry</i> , 2000, 39, 8362-8373.	1.2	123
20	NMR Structure and Ion Channel Activity of the p7 Protein from Hepatitis C Virus. <i>Journal of Biological Chemistry</i> , 2010, 285, 31446-31461.	1.6	119
21	A Sedimented Sample of a 59 kDa Dodecameric Helicase Yields High-Resolution Solid-State NMR Spectra. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7855-7858.	7.2	112
22	Quantitative Analysis of Backbone Dynamics in a Crystalline Protein from Nitrogen-15 Spin-Lattice Relaxation. <i>Journal of the American Chemical Society</i> , 2005, 127, 18190-18201.	6.6	111
23	Unlike Twins: An NMR Comparison of Two β -Synuclein Polymorphs Featuring Different Toxicity. <i>PLoS ONE</i> , 2014, 9, e90659.	1.1	110
24	Mechanism of Inhibition of Enveloped Virus Membrane Fusion by the Antiviral Drug Arbidol. <i>PLoS ONE</i> , 2011, 6, e15874.	1.1	106
25	Transverse Dephasing Optimized Solid-State NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2003, 125, 13938-13939.	6.6	104
26	Spinning faster: protein NMR at MAS frequencies up to 126 kHz. <i>Journal of Biomolecular NMR</i> , 2019, 73, 19-29.	1.6	101
27	Solid-State NMR Spectroscopy of a Paramagnetic Protein: Assignment and Study of Human Dimeric Oxidized Cu/Zn Superoxide Dismutase (SOD). <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1079-1082.	7.2	100
28	Protein resonance assignment at MAS frequencies approaching 100 kHz: a quantitative comparison of J-coupling and dipolar-coupling-based transfer methods. <i>Journal of Biomolecular NMR</i> , 2015, 63, 165-186.	1.6	91
29	Site-Specific Backbone Dynamics from a Crystalline Protein by Solid-State NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2004, 126, 11422-11423.	6.6	87
30	Probing Molecular Interfaces Using 2D Magic-Angle-Spinning NMR on Protein Mixtures with Different Uniform Labeling. <i>Journal of the American Chemical Society</i> , 2004, 126, 14746-14751.	6.6	87
31	The Molecular Organization of the Fungal Prion HET-s in Its Amyloid Form. <i>Journal of Molecular Biology</i> , 2009, 394, 119-127.	2.0	74
32	Emerging Structural Understanding of Amyloid Fibrils by Solid-State NMR. <i>Trends in Biochemical Sciences</i> , 2017, 42, 777-787.	3.7	73
33	Protein NMR Spectroscopy at 150 kHz Magic-Angle Spinning Continues To Improve Resolution and Mass Sensitivity. <i>ChemBioChem</i> , 2020, 21, 2540-2548.	1.3	72
34	Investigation of Dipolar-Mediated Water-Protein Interactions in Microcrystalline Crh by Solid-State NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2006, 128, 8246-8255.	6.6	69
35	Prion Fibrils of Ure2p Assembled under Physiological Conditions Contain Highly Ordered, Natively Folded Modules. <i>Journal of Molecular Biology</i> , 2009, 394, 108-118.	2.0	68
36	Resolution Enhancement in Multidimensional Solid-State NMR Spectroscopy of Proteins Using Spin-State Selection. <i>Journal of the American Chemical Society</i> , 2003, 125, 11816-11817.	6.6	66

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37	NMR Spectra of a Microcrystalline Protein at 30 kHz MAS. <i>Journal of the American Chemical Society</i> , 2003, 125, 15807-15810.	6.6	63
38	Solid-state NMR sequential assignments of I \pm -synuclein. <i>Biomolecular NMR Assignments</i> , 2012, 6, 51-55.	0.4	61
39	The structure of fibrils from α -misfolded α ™ proteins. <i>Current Opinion in Structural Biology</i> , 2015, 30, 43-49.	2.6	61
40	Water α Protein Interactions in Microcrystalline Crh Measured by 1H α 13C Solid-State NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2003, 125, 13336-13337.	6.6	58
41	The influence of nitrogen-15 proton-driven spin diffusion on the measurement of nitrogen-15 longitudinal relaxation times. <i>Journal of Magnetic Resonance</i> , 2007, 184, 51-61.	1.2	57
42	Extensive de novo solid-state NMR assignments of the 33ÅkDa C-terminal domain of the Ure2 prion. <i>Journal of Biomolecular NMR</i> , 2011, 51, 235-243.	1.6	57
43	3D Protein Structures by Solid α State NMR Spectroscopy: Ready for High Resolution. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6110-6113.	7.2	51
44	Water α Protein Hydrogen Exchange in the Micro-Crystalline Protein Crh as Observed by Solid State NMR Spectroscopy. <i>Journal of Biomolecular NMR</i> , 2005, 32, 195-207.	1.6	50
45	Solid α State NMR and EPR Spectroscopy of Mn ²⁺ α Substituted ATP α Fueled Protein Engines. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3369-3373.	7.2	49
46	Selective labeling and unlabeled strategies in protein solid-state NMR spectroscopy. <i>Journal of Biomolecular NMR</i> , 2018, 71, 141-150.	1.6	49
47	Heteronuclear proton assisted recoupling. <i>Journal of Chemical Physics</i> , 2011, 134, 095101.	1.2	48
48	The conformational changes coupling ATP hydrolysis and translocation in a bacterial DnaB helicase. <i>Nature Communications</i> , 2019, 10, 31.	5.8	45
49	Polarization Transfer over the Water α Protein Interface in Solids. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5851-5854.	7.2	44
50	4D solid-state NMR for protein structure determination. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 5239.	1.3	42
51	Yet another polymorph of I \pm -synuclein: solid-state sequential assignments. <i>Biomolecular NMR Assignments</i> , 2014, 8, 395-404.	0.4	42
52	Amyloid Fibril Polymorphism: Almost Identical on the Atomic Level, Mesoscopically Very Different. <i>Journal of Physical Chemistry B</i> , 2017, 121, 1783-1792.	1.2	41
53	Biomolecular solid-state NMR spectroscopy at 1200ÅMHz: the gain in resolution. <i>Journal of Biomolecular NMR</i> , 2021, 75, 255-272.	1.6	41
54	Three-dimensional structure of the DNA-binding domain of the fructose repressor from <i>Escherichia coli</i> by 1H and 15N NMR. <i>Journal of Molecular Biology</i> , 1997, 270, 496-510.	2.0	40

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55	The Conformation of the Prion Domain of Sup35 ^Δ in Isolation and in the Full-Length Protein. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12741-12744.	7.2	40
56	Automated solid-state NMR resonance assignment of protein microcrystals and amyloids. <i>Journal of Biomolecular NMR</i> , 2013, 56, 243-254.	1.6	39
57	100 kHz MAS Proton-Detected NMR Spectroscopy of Hepatitis B Virus Capsids. <i>Frontiers in Molecular Biosciences</i> , 2019, 6, 58.	1.6	38
58	Structural Studies of Self-Assembled Subviral Particles: Combining Cell-Free Expression with 110 kHz MAS NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4787-4791.	7.2	37
59	Observation of Heteronuclear Overhauser Effects Confirms the ¹⁵ N- ¹ H Dipolar Relaxation Mechanism in a Crystalline Protein. <i>Journal of the American Chemical Society</i> , 2006, 128, 12398-12399.	6.6	36
60	Further exploration of the conformational space of I [±] -synuclein fibrils: solid-state NMR assignment of a high-pH polymorph. <i>Biomolecular NMR Assignments</i> , 2016, 10, 5-12.	0.4	36
61	Suppression of radiation damping during selective excitation of the water signal: The WANTED sequence. <i>Journal of Biomolecular NMR</i> , 1996, 8, 87-92.	1.6	34
62	Probing Water Accessibility in HET-s(218-289) Amyloid Fibrils by Solid-State NMR. <i>Journal of Molecular Biology</i> , 2011, 405, 765-772.	2.0	33
63	Quantifying proton NMR coherent linewidth in proteins under fast MAS conditions: a second moment approach. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 18850-18865.	1.3	33
64	Prions. <i>Prion</i> , 2010, 4, 72-79.	0.9	32
65	Flexible-to-rigid transition is central for substrate transport in the ABC transporter BmrA from <i>Bacillus subtilis</i> . <i>Communications Biology</i> , 2019, 2, 149.	2.0	32
66	Sedimentation Yields Long-Term Stable Protein Samples as Shown by Solid-State NMR. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 17.	1.6	32
67	Dimerization of Crh by Reversible 3D Domain Swapping Induces Structural Adjustments to its Monomeric Homologue Hpr. <i>Journal of Molecular Biology</i> , 2003, 332, 767-776.	2.0	31
68	An Efficient Procedure for Removal and Inactivation of Alpha-Synuclein Assemblies from Laboratory Materials. <i>Journal of Parkinson's Disease</i> , 2016, 6, 143-151.	1.5	31
69	Binding of Polythiophenes to Amyloids: Structural Mapping of the Pharmacophore. <i>ACS Chemical Neuroscience</i> , 2018, 9, 475-481.	1.7	31
70	Partially-deuterated samples of HET-s(218-289) fibrils: assignment and deuterium isotope effect. <i>Journal of Biomolecular NMR</i> , 2017, 67, 109-119.	1.6	30
71	Overall Structural Model of NS5A Protein from Hepatitis C Virus and Modulation by Mutations Confering Resistance of Virus Replication to Cyclosporin A. <i>Biochemistry</i> , 2017, 56, 3029-3048.	1.2	29
72	Solid-State NMR for Studying the Structure and Dynamics of Viral Assemblies. <i>Viruses</i> , 2020, 12, 1069.	1.5	29

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73	Large-Scale Recombinant Production of the SARS-CoV-2 Proteome for High-Throughput and Structural Biology Applications. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 653148.	1.6	29
74	ATP Analogues for Structural Investigations: Case Studies of a DnaB Helicase and an ABC Transporter. <i>Molecules</i> , 2020, 25, 5268.	1.7	27
75	Structural and dynamic studies of proteins by high-resolution solid-state NMR. <i>Comptes Rendus Chimie</i> , 2006, 9, 381-392.	0.2	26
76	Line-Broadening in Low-Temperature Solid-State NMR Spectra of Fibrils. <i>Journal of Biomolecular NMR</i> , 2017, 67, 51-61.	1.6	26
77	Efficient and stable reconstitution of the ABC transporter BmrA for solid-state NMR studies. <i>Frontiers in Molecular Biosciences</i> , 2014, 1, 5.	1.6	25
78	Cell-free expression, purification, and membrane reconstitution for NMR studies of the nonstructural protein 4B from hepatitis C virus. <i>Journal of Biomolecular NMR</i> , 2016, 65, 87-98.	1.6	25
79	Localizing Conformational Hinges by NMR: Where Do Hepatitis B Virus Core Proteins Adapt for Capsid Assembly?. <i>ChemPhysChem</i> , 2018, 19, 1336-1340.	1.0	25
80	Dimer Organization of Membrane-Associated NS5A of Hepatitis C Virus as Determined by Highly Sensitive ¹ H-Detected Solid-State NMR. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 5339-5347.	7.2	25
81	Determination of fast proton exchange rates of biomolecules by NMR using water selective diffusion experiments. <i>FEBS Letters</i> , 1997, 418, 127-130.	1.3	24
82	Wheat germ cell-free expression: Two detergents with a low critical micelle concentration allow for production of soluble HCV membrane proteins. <i>Protein Expression and Purification</i> , 2015, 105, 39-46.	0.6	24
83	Properties of the DREAM scheme and its optimization for application to proteins. <i>Journal of Biomolecular NMR</i> , 2012, 53, 103-112.	1.6	23
84	Proton-Detected NMR Spectroscopy of Nanodisc-Embedded Membrane Proteins: MAS Solid-State vs Solution-State Methods. <i>Journal of Physical Chemistry B</i> , 2017, 121, 7671-7680.	1.2	23
85	Protein sample preparation for solid-state NMR investigations. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2019, 110, 20-33.	3.9	23
86	Structural constraints for the Crh protein from solid-state NMR experiments. <i>Journal of Biomolecular NMR</i> , 2008, 40, 239-250.	1.6	22
87	Monitoring ssDNA Binding to the DnaB Helicase from <i>Helicobacter pylori</i> by Solid-State NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14164-14168.	7.2	22
88	A Native-Like Conformation for the C-Terminal Domain of the Prion Ure2p within its Fibrillar Form. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7963-7966.	7.2	21
89	Solid-state [¹³ C- ¹⁵ N] NMR resonance assignment of hepatitis B virus core protein. <i>Biomolecular NMR Assignments</i> , 2018, 12, 205-214.	0.4	21
90	A Substantial Structural Conversion of the Native Monomer Leads to in-register Parallel Amyloid Fibril Formation in Light-Chain Amyloidosis. <i>ChemBioChem</i> , 2019, 20, 1027-1031.	1.3	21

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91	Easy Synthesis of Complex Biomolecular Assemblies: Wheat Germ Cell-Free Protein Expression in Structural Biology. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 639587.	1.6	21
92	Combining Cell-Free Protein Synthesis and NMR Into a Tool to Study Capsid Assembly Modulation. <i>Frontiers in Molecular Biosciences</i> , 2019, 6, 67.	1.6	20
93	Nucleotide Binding Modes in a Motor Protein Revealed by ³¹ P- and ¹ H-Detected MAS Solid-State NMR Spectroscopy. <i>ChemBioChem</i> , 2020, 21, 324-330.	1.3	20
94	Rapid estimation of relative amide proton exchange rates of 15 N-labelled proteins by a straightforward water selective NOESY-HSQC experiment. <i>FEBS Letters</i> , 1996, 383, 191-195.	1.3	19
95	Methyl Proton Contacts Obtained Using Heteronuclear Through-Bond Transfers in Solid-State NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2008, 130, 10625-10632.	6.6	19
96	Protein-nucleotide contacts in motor proteins detected by DNP-enhanced solid-state NMR. <i>Journal of Biomolecular NMR</i> , 2017, 69, 157-164.	1.6	19
97	Reassessment of MxiH subunit orientation and fold within native <i>Shigella</i> T3SS needles using surface labelling and solid-state NMR. <i>Journal of Structural Biology</i> , 2015, 192, 441-448.	1.3	18
98	Solid-state NMR sequential assignment of an Amyloid- β (1-42) fibril polymorph. <i>Biomolecular NMR Assignments</i> , 2016, 10, 269-276.	0.4	18
99	PAIN with and without PAR: variants for third-spin assisted heteronuclear polarization transfer. <i>Journal of Biomolecular NMR</i> , 2013, 56, 365-377.	1.6	17
100	Alternative salt bridge formation in A β a hallmark of early-onset Alzheimer's disease?. <i>Frontiers in Molecular Biosciences</i> , 2015, 2, 14.	1.6	17
101	Wheat Germ Cell-Free Overexpression for the Production of Membrane Proteins. <i>Methods in Molecular Biology</i> , 2017, 1635, 91-108.	0.4	17
102	Solid-state NMR sequential assignment of Osaka-mutant amyloid-beta (A β 1-40 E22 Δ) fibrils. <i>Biomolecular NMR Assignments</i> , 2015, 9, 7-14.	0.4	16
103	Solid-state NMR sequential assignments of the N-terminal domain of HpDnaB helicase. <i>Biomolecular NMR Assignments</i> , 2016, 10, 13-23.	0.4	16
104	Proton-Detected Solid-State NMR of the Cell-Free Synthesized Δ -Helical Transmembrane Protein NS4B from Hepatitis C Virus. <i>ChemBioChem</i> , 2020, 21, 1453-1460.	1.3	16
105	Characterization of Folding Intermediates of a Domain-Swapped Protein by Solid-State NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2007, 129, 169-175.	6.6	15
106	Functional expression, purification, characterization, and membrane reconstitution of non-structural protein 2 from hepatitis C virus. <i>Protein Expression and Purification</i> , 2015, 116, 1-6.	0.6	15
107	Variability and conservation of structural domains in divide-and-conquer approaches. <i>Journal of Biomolecular NMR</i> , 2016, 65, 79-86.	1.6	15
108	Solid-state NMR chemical-shift perturbations indicate domain reorientation of the DnaG primase in the primosome of <i>Helicobacter pylori</i> . <i>Journal of Biomolecular NMR</i> , 2016, 64, 189-195.	1.6	15

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109	A pocket-factorâ€“triggered conformational switch in the hepatitis B virus capsid. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, e2022464118.	3.3	15
110	Including Protons in Solid-State NMR Resonance Assignment and Secondary Structure Analysis: The Example of RNA Polymerase II Subunits Rpo4/7. Frontiers in Molecular Biosciences, 2019, 6, 100.	1.6	14
111	Solid-state NMR sequential assignments of the amyloid core of full-length Sup35p. Biomolecular NMR Assignments, 2014, 8, 349-356.	0.4	13
112	Temperature-Dependent Solid-State NMR Proton Chemical-Shift Values and Hydrogen Bonding. Journal of Physical Chemistry B, 2021, 125, 6222-6230.	1.2	13
113	Spectroscopic glimpses of the transition state of ATP hydrolysis trapped in a bacterial DnaB helicase. Nature Communications, 2021, 12, 5293.	5.8	13
114	Solid-State NMR Reveals Asymmetric ATP Hydrolysis in the Multidrug ABC Transporter BmrA. Journal of the American Chemical Society, 2022, 144, 12431-12442.	6.6	13
115	High-resolution solid-state MAS NMR of proteinsâ€”Crh as an example. Magnetic Resonance in Chemistry, 2007, 45, S24-S31.	1.1	12
116	Sequence-specific solid-state NMR assignments of the mouse ASC PYRIN domain in its filament form. Biomolecular NMR Assignments, 2016, 10, 107-115.	0.4	12
117	Asparagine and Glutamine Side-Chains and Ladders in HET-s(218â€“289) Amyloid Fibrils Studied by Fast Magic-Angle Spinning NMR. Frontiers in Molecular Biosciences, 2020, 7, 582033.	1.6	12
118	A fusion peptide in preS1 and the human protein disulfide isomerase ERp57 are involved in hepatitis B virus membrane fusion process. ELife, 2021, 10, .	2.8	12
119	Characterization of the interaction between bovine pancreatic trypsin inhibitor and thiocyanate by NMR. Biophysical Chemistry, 1998, 71, 221-234.	1.5	11
120	Protein 3D structure determination by high-resolution solid-state NMR. Comptes Rendus Chimie, 2010, 13, 423-430.	0.2	11
121	Gradient reconstitution of membrane proteins for solid-state NMR studies. Journal of Biomolecular NMR, 2017, 69, 81-91.	1.6	11
122	Experimental Characterization of the Hepatitis B Virus Capsid Dynamics by Solid-State NMR. Frontiers in Molecular Biosciences, 2021, 8, 807577.	1.6	9
123	Fast Magicâ€“Angleâ€“Spinning NMR Reveals the Evasive Hepatitisâ€“B Virus Capsid Câ€“terminal Domain**. Angewandte Chemie - International Edition, 2022, 61, .	7.2	9
124	The conformation of the Congo-red ligand bound to amyloid fibrils HET-s(218â€“289): a solid-state NMR study. Journal of Biomolecular NMR, 2017, 69, 207-213.	1.6	8
125	Paramagnetic Solidâ€“State NMR to Localize the Metalâ€“Ion Cofactor in an Oligomeric DnaB Helicase. Chemistry - A European Journal, 2021, 27, 7745-7755.	1.7	8
126	Wheat-germ cell-free production of prion proteins for solid-state NMR structural studies. New Biotechnology, 2011, 28, 232-238.	2.4	7

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127	Phosphorylation and Alternative Translation on Wheat Germ Cell-Free Protein Synthesis of the DHBV Large Envelope Protein. <i>Frontiers in Molecular Biosciences</i> , 2019, 6, 138.	1.6	7
128	Kinetic analysis of protein aggregation monitored by real-time 2D solid-state NMR spectroscopy. <i>Journal of Biomolecular NMR</i> , 2011, 49, 121-129.	1.6	6
129	Solid-state NMR sequential assignments of the amyloid core of Sup35pNM. <i>Biomolecular NMR Assignments</i> , 2014, 8, 365-370.	0.4	6
130	Solid-state NMR sequential assignment of the $\hat{\iota}^2$ -endorphin peptide in its amyloid form. <i>Biomolecular NMR Assignments</i> , 2016, 10, 259-268.	0.4	5
131	Sample Preparation for Membrane Protein Structural Studies by Solid-State NMR. <i>Methods in Molecular Biology</i> , 2017, 1635, 345-358.	0.4	5
132	Festkörperlaser-NMR- und EPR-Spektroskopie an Mn ²⁺ -substituierten ATP-angetriebenen Proteinmaschinen. <i>Angewandte Chemie</i> , 2017, 129, 3418-3422.	1.6	5
133	CONFINE-MAS: a magic-angle spinning NMR probe that confines the sample in case of a rotor explosion. <i>Journal of Biomolecular NMR</i> , 2018, 72, 171-177.	1.6	5
134	Beobachtung von ssDNA-Bindung an die DnaB-Helikase von <i>Helicobacter pylori</i> mittels Festkörperlaser-NMR-Spektroskopie. <i>Angewandte Chemie</i> , 2016, 128, 14370-14375.	1.6	4
135	Strukturelle Untersuchung subviraler Partikel durch die Kombination von zellfreier Proteinherstellung mit 110...kHz MAS-NMR-Spektroskopie. <i>Angewandte Chemie</i> , 2018, 130, 4877-4882.	1.6	4
136	Direct amide 15N to 13C transfers for solid-state assignment experiments in deuterated proteins. <i>Journal of Biomolecular NMR</i> , 2018, 72, 69-78.	1.6	4
137	High-spin Metal Centres in Dipolar EPR Spectroscopy. <i>Chimia</i> , 2018, 72, 216-220.	0.3	3
138	In vitro translation of virally-encoded replication polyproteins to recapitulate polyprotein maturation processes. <i>Protein Expression and Purification</i> , 2020, 175, 105694.	0.6	3
139	Dimer Organization of Membrane-Associated NS5A of Hepatitis C Virus as Determined by Highly Sensitive 1H-Detected Solid-State NMR. <i>Angewandte Chemie</i> , 2021, 133, 5399-5407.	1.6	3
140	Coherence transfer selectivity in two-dimensional solid-state NMR. <i>Chemical Physics Letters</i> , 2003, 376, 515-523.	1.2	2
141	Prion Amyloid Polymorphs – The Tag Might Change It All. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 190.	1.6	2
142	Correction of field instabilities in biomolecular solid-state NMR by simultaneous acquisition of a frequency reference. <i>Magnetic Resonance</i> , 2022, 3, 15-26.	0.8	2
143	Solid-state NMR sequential assignments of the C-terminal oligomerization domain of human C4b-binding protein. <i>Biomolecular NMR Assignments</i> , 2014, 8, 1-6.	0.4	1
144	Hexagonal ice in pure water and biological NMR samples. <i>Journal of Biomolecular NMR</i> , 2017, 67, 15-22.	1.6	1

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145	Phosphorylation of the Hepatitis B Virus Large Envelope Protein. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 821755.	1.6	1
146	Fast Magic Angle Spinning NMR Reveals the Evasive Hepatitis B Virus Capsid Terminal Domain**. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	1
147	Pharmacomodulation of a ligand targeting the HBV capsid hydrophobic pocket. <i>Chemical Science</i> , 2022, 13, 8840-8847.	3.7	1
148	Simultaneous use of solution, solid-state NMR and X-ray crystallography to study the conformational landscape of the Crh protein during oligomerization and crystallization. <i>Advances and Applications in Bioinformatics and Chemistry</i> , 2010, 3, 25.	1.6	0
149	On the Behavior of Water at Subfreezing Temperatures in a Protein Crystal: Evidence of Higher Mobility Than in Bulk Water. <i>Journal of Physical Chemistry B</i> , 2013, 117, 11433-11447.	1.2	0
150	Hommage to Richard R. Ernst. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 769772.	1.6	0