

# Clemens Glaubitz

## List of Publications by Year in descending order

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139  
papers

4,599  
citations

76294

40  
h-index

133188

59  
g-index

145  
all docs

145  
docs citations

145  
times ranked

3940  
citing authors

#	ARTICLE	IF	CITATIONS
1	High level cell-free expression and specific labeling of integral membrane proteins. FEBS Journal, 2004, 271, 568-580.	0.2	230
2	Solution NMR Structure of Proteorhodopsin. Angewandte Chemie - International Edition, 2011, 50, 11942-11946.	7.2	162
3	Observations of light-induced structural changes of retinal within rhodopsin. Nature, 2000, 405, 810-813.	13.7	134
4	Magic Angle-Oriented Sample Spinning (MAOSS): A New Approach toward Biomembrane Studies. Journal of Magnetic Resonance, 1998, 130, 305-316.	1.2	121
5	Inhibition of soluble epoxide hydrolase prevents diabetic retinopathy. Nature, 2017, 552, 248-252.	13.7	113
6	Membrane domain structures of three classes of histidine kinase receptors by cell-free expression and rapid NMR analysis. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 10902-10907.	3.3	102
7	Folding and Assembly of Proteorhodopsin. Journal of Molecular Biology, 2008, 376, 35-41.	2.0	96
8	Proteorhodopsin. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 614-625.	0.5	96
9	Enlightening the photoactive site of channelrhodopsin-2 by DNP-enhanced solid-state NMR spectroscopy. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9896-9901.	3.3	93
10	The antibiotic and DNA-transfecting peptide LAH4 selectively associates with, and disorders, anionic lipids in mixed membranes. FASEB Journal, 2006, 20, 320-322.	0.2	90
11	The Structure of the Neuropeptide Bradykinin Bound to the Human G-Protein Coupled Receptor Bradykinin B2 as Determined by Solid-State NMR Spectroscopy. Angewandte Chemie - International Edition, 2008, 47, 1668-1671.	7.2	86
12	His75 <sup>Asp97</sup> Cluster in Green Proteorhodopsin. Journal of the American Chemical Society, 2011, 133, 4645-4654.	6.6	83
13	Molecular Dynamics of Proteorhodopsin in Lipid Bilayers by Solid-State NMR. Journal of the American Chemical Society, 2011, 133, 4874-4881.	6.6	82
14	Dynamic Nuclear Polarization-Enhanced Solid-State NMR of a <sup>13</sup> C-Labeled Signal Peptide Bound to Lipid-Reconstituted Sec Translocon. Journal of the American Chemical Society, 2011, 133, 19084-19086.	6.6	75
15	Localization of Multidrug Transporter Substrates within Model Membranes. Biochemistry, 2006, 45, 6203-6211.	1.2	74
16	The molecular basis of subtype selectivity of human kinin G-protein-coupled receptors. Nature Chemical Biology, 2018, 14, 284-290.	3.9	74
17	Modified lipid and protein dynamics in nanodiscs. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 1222-1229.	1.4	67
18	Visualizing Specific Cross-Protomer Interactions in the Homo-Oligomeric Membrane Protein Proteorhodopsin by Dynamic-Nuclear-Polarization-Enhanced Solid-State NMR. Journal of the American Chemical Society, 2015, 137, 9032-9043.	6.6	67

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19	<sup>15</sup> N photochemically induced dynamic nuclear polarization magic-angle spinning NMR analysis of the electron donor of photosystem II. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 12767-12771.	3.3	64
20	Studying the stoichiometries of membrane proteins by mass spectrometry: microbial rhodopsins and a potassium ion channel. Physical Chemistry Chemical Physics, 2010, 12, 3480.	1.3	58
21	Macroscopic Orientation of Natural and Model Membranes for Structural Studies. Analytical Biochemistry, 1997, 254, 132-138.	1.1	56
22	Photoreceptor rhodopsin: structural and conformational study of its chromophore 11-cis retinal in oriented membranes by deuterium solid state NMR. FEBS Letters, 1998, 422, 201-204.	1.3	55
23	Solid-state NMR and functional studies on proteorhodopsin. Biochimica Et Biophysica Acta - Bioenergetics, 2009, 1787, 697-705.	0.5	55
24	Investigation of the Interactions of Silibinin with 2-Hydroxypropyl- $\beta$ -cyclodextrin through Biophysical Techniques and Computational Methods. Molecular Pharmaceutics, 2015, 12, 954-965.	2.3	55
25	Asymmetric ATP Hydrolysis Cycle of the Heterodimeric Multidrug ABC Transport Complex TmrAB from <i>Thermus thermophilus</i> . Journal of Biological Chemistry, 2011, 286, 7104-7115.	1.6	54
26	Probing the ATP Hydrolysis Cycle of the ABC Multidrug Transporter LmrA by Pulsed EPR Spectroscopy. Journal of the American Chemical Society, 2012, 134, 5857-5862.	6.6	53
27	In-Cell Solid-State NMR as a Tool to Study Proteins in Large Complexes. ChemBioChem, 2012, 13, 534-537.	1.3	53
28	Relative Orientation between the $\beta$ -Ionone Ring and the Polyene Chain for the Chromophore of Rhodopsin in Native Membranes. Biochemistry, 2002, 41, 7549-7555.	1.2	52
29	The Key Residue for Substrate Transport (Glu14) in the EmrE Dimer Is Asymmetric. Journal of Biological Chemistry, 2008, 283, 3281-3288.	1.6	52
30	Detecting Substrates Bound to the Secondary Multidrug Efflux Pump EmrE by DNP-Enhanced Solid-State NMR. Journal of the American Chemical Society, 2013, 135, 15754-15762.	6.6	51
31	Voltage- and pH-Dependent Changes in Vectoriality of Photocurrents Mediated by Wild-type and Mutant Proteorhodopsins upon Expression in <i>Xenopus</i> Oocytes. Journal of Molecular Biology, 2009, 393, 320-341.	2.0	49
32	Structural Basis of the Green-Blue Color Switching in Proteorhodopsin as Determined by NMR Spectroscopy. Journal of the American Chemical Society, 2014, 136, 17578-17590.	6.6	48
33	Initial Reaction Dynamics of Proteorhodopsin Observed by Femtosecond Infrared and Visible Spectroscopy. Biophysical Journal, 2008, 94, 4796-4807.	0.2	47
34	Deuterium-MAS NMR Spectroscopy on Oriented Membrane Proteins: Applications to Photointermediates of Bacteriorhodopsin. Journal of the American Chemical Society, 1999, 121, 5787-5794.	6.6	45
35	Coupled ATPase-adenylate kinase activity in ABC transporters. Nature Communications, 2016, 7, 13864.	5.8	45
36	How to Prepare Membrane Proteins for Solid-State NMR: A Case Study on the $\alpha$ -Helical Integral Membrane Protein Diacylglycerol Kinase from <i>E. coli</i> . ChemBioChem, 2005, 6, 1693-1700.	1.3	42

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37	Characterisation of Schiff base and chromophore in green proteorhodopsin by solid-state NMR. <i>Journal of Biomolecular NMR</i> , 2008, 40, 15-21.	1.6	42
38	Interfacial enzyme kinetics of a membrane bound kinase analyzed by real-time MAS-NMR. <i>Nature Chemical Biology</i> , 2011, 7, 263-270.	3.9	42
39	Dynamic Nuclear Polarization-Enhanced NMR on Aligned Lipid Bilayers at Ambient Temperature. <i>Journal of the American Chemical Society</i> , 2014, 136, 15533-15536.	6.6	42
40	Antigenic Peptide Recognition on the Human ABC Transporter TAP Resolved by DNP-Enhanced Solid-State NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2016, 138, 13967-13974.	6.6	42
41	Proteorhodopsin: Characterisation of 2D crystals by electron microscopy and solid state NMR. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007, 1768, 3012-3019.	1.4	41
42	Optimization of amino acid type-specific <sup>13</sup> C and <sup>15</sup> N labeling for the backbone assignment of membrane proteins by solution- and solid-state NMR with the UPLABEL algorithm. <i>Journal of Biomolecular NMR</i> , 2011, 49, 75-84.	1.6	41
43	Combined solid state and solution NMR studies of <sup>15</sup> N labeled bovine rhodopsin. <i>Journal of Biomolecular NMR</i> , 2007, 37, 303-312.	1.6	37
44	Structural properties of so-called NSAID-phospholipid-complexes. <i>European Journal of Pharmaceutical Sciences</i> , 2011, 44, 103-116.	1.9	37
45	Structural and orientational information of the membrane embedded M13 coat protein by <sup>13</sup> C-MAS NMR spectroscopy. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2000, 1463, 151-161.	1.4	36
46	High-Resolution Studies of Uniformly <sup>13</sup> C, <sup>15</sup> N Labeled RNA by Solid-State NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4747-4750.	7.2	36
47	Host-Guest Complexes as Water-Soluble High-Performance DNP Polarizing Agents. <i>Journal of the American Chemical Society</i> , 2013, 135, 19275-19281.	6.6	35
48	Photo-CIDNP solid-state NMR on Photosystems I and II: what makes P680 special?. <i>Photosynthesis Research</i> , 2005, 84, 303-308.	1.6	32
49	Unexplored Nucleotide Binding Modes for the ABC Exporter MsbA. <i>Journal of the American Chemical Society</i> , 2018, 140, 14112-14125.	6.6	32
50	Identifying Anisotropic Constraints in Multiply Labeled Bacteriorhodopsin by <sup>15</sup> N MAOSS NMR: A General Approach to Structural Studies of Membrane Proteins. <i>Biophysical Journal</i> , 2004, 86, 1610-1617.	0.2	31
51	Paramagnetic doping of a 7TM membrane protein in lipid bilayers by Gd <sup>3+</sup> -complexes for solid-state NMR spectroscopy. <i>Journal of Biomolecular NMR</i> , 2014, 58, 27-35.	1.6	31
52	Overcoming Volume Selectivity of Dipolar Recoupling in Biological Solid-State NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14514-14518.	7.2	31
53	Probing Membrane Surfaces and the Location of Membrane-Embedded Peptides by <sup>13</sup> C MAS NMR Using Lanthanide Ions. <i>Journal of Magnetic Resonance</i> , 1999, 141, 335-339.	1.2	30
54	Photocycle-dependent conformational changes in the proteorhodopsin cross-protomer Asp-His-Trp triad revealed by DNP-enhanced MAS-NMR. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 8342-8349.	3.3	29

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55	The Conformational Equilibrium of the Neuropeptide Y2 Receptor in Bilayer Membranes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23854-23861.	7.2	29
56	How Photoswitchable Lipids Affect the Order and Dynamics of Lipid Bilayers and Embedded Proteins. <i>Journal of the American Chemical Society</i> , 2021, 143, 9515-9528.	6.6	29
57	NMR and EPR studies of membrane transporters. <i>Biological Chemistry</i> , 2009, 390, 815-34.	1.2	27
58	Solid-state NMR analysis of the sodium pump <i>Krokinobacter rhodopsin 2</i> and its H30A mutant. <i>Journal of Structural Biology</i> , 2019, 206, 55-65.	1.3	27
59	The EF Loop in Green Proteorhodopsin Affects Conformation and Photocycle dynamics. <i>Biophysical Journal</i> , 2013, 105, 385-397.	0.2	26
60	Perspectives in Enzymology of Membrane Proteins by Solid-State NMR. <i>Accounts of Chemical Research</i> , 2013, 46, 2164-2171.	7.6	26
61	The ABC exporter MsbA probed by solid state NMR – challenges and opportunities. <i>Biological Chemistry</i> , 2015, 396, 1135-1149.	1.2	26
62	Exploring the interactions of irbesartan and irbesartan- $\beta$ -2-hydroxypropyl- $\beta$ -cyclodextrin complex with model membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 1089-1098.	1.4	26
63	Exploring Protein Structures by DNP-Enhanced Methyl Solid-State NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2019, 141, 19888-19901.	6.6	26
64	Cysteine oxidation and disulfide formation in the ribosomal exit tunnel. <i>Nature Communications</i> , 2020, 11, 5569.	5.8	26
65	Caught in the Act: ATP hydrolysis of an ABC multidrug transporter followed by real-time magic angle spinning NMR. <i>FEBS Letters</i> , 2008, 582, 3557-3562.	1.3	25
66	Probing the Molecular Dynamics of the ABC Multidrug Transporter LmrA by Deuterium Solid-State Nuclear Magnetic Resonance. <i>Biochemistry</i> , 2007, 46, 3075-3083.	1.2	24
67	Higher Sensitivity through Selective $^{13}\text{C}$ Excitation in Solid-State NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2009, 131, 15970-15971.	6.6	24
68	RNA phosphodiester backbone dynamics of a perdeuterated cUUCGg tetraloop RNA from phosphorus-31 NMR relaxation analysis. <i>Journal of Biomolecular NMR</i> , 2009, 45, 143-155.	1.6	23
69	Cellular membranes function as a storage compartment for celecoxib. <i>Journal of Molecular Medicine</i> , 2009, 87, 981-993.	1.7	23
70	Membrane protein structure determination by solid state NMR. <i>Natural Product Reports</i> , 1999, 16, 419-423.	5.2	22
71	Prion Protein Amyloid Formation Involves Structural Rearrangements in the C-terminal Domain. <i>ChemBioChem</i> , 2010, 11, 1208-1213.	1.3	22
72	Conformation and Topology of Diacylglycerol Kinase in <i>E.coli</i> Membranes Revealed by Solid-State NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5624-5628.	7.2	22

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73	REDOR NMR on a Hydrophobic Peptide in Oriented Membranes. <i>Journal of Magnetic Resonance</i> , 2000, 147, 366-370.	1.2	21
74	<sup>31</sup> P-CP-MAS NMR studies on TPP+bound to the ion-coupled multidrug transport protein EmrE. <i>FEBS Letters</i> , 2000, 480, 127-131.	1.3	21
75	Amino acid type selective isotope labelling of the multidrug ABC transporter LmrA for solid-state NMR studies. <i>FEBS Letters</i> , 2004, 568, 117-121.	1.3	21
76	The effect of drug binding on specific sites in transmembrane helices 4 and 6 of the ABC exporter MsbA studied by DNP-enhanced solid-state NMR. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 833-840.	1.4	21
77	Photocycle and Vectorial Proton Transfer in a Rhodopsin from the Eukaryote <i>Oxyrrhis marina</i> . <i>Biochemistry</i> , 2013, 52, 2750-2763.	1.2	20
78	Time-resolved IR spectroscopy reveals mechanistic details of ion transport in the sodium pump <i>Krokinobacter eikastus</i> rhodopsin 2. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 4461-4471.	1.3	20
79	<sup>19</sup> F-MAS NMR on Proteorhodopsin: Enhanced Protocol for Site-Specific Labeling for General Application to Membrane Proteins. <i>Photochemistry and Photobiology</i> , 2009, 85, 535-539.	1.3	19
80	Comparative study of the AT1 receptor prodrug antagonist candesartan cilexetil with other sartans on the interactions with membrane bilayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 3107-3120.	1.4	19
81	Chromophore Distortions in Photointermediates of Proteorhodopsin Visualized by Dynamic Nuclear Polarization-Enhanced Solid-State NMR. <i>Journal of the American Chemical Society</i> , 2017, 139, 16143-16153.	6.6	19
82	Effects of nucleotide binding to LmrA: A combined MAS-NMR and solution NMR study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 3158-3165.	1.4	17
83	Host-Guest Interactions between Candesartan and Its Prodrug Candesartan Cilexetil in Complex with 2-Hydroxypropyl- $\beta$ -cyclodextrin: On the Biological Potency for Angiotensin II Antagonism. <i>Molecular Pharmaceutics</i> , 2019, 16, 1255-1271.	2.3	17
84	Room-temperature dynamic nuclear polarization enhanced NMR spectroscopy of small biological molecules in water. <i>Nature Communications</i> , 2021, 12, 6880.	5.8	17
85	Conformational heterogeneity of transmembrane residues after the Schiff base reprotonation of bacteriorhodopsin. <i>FEBS Journal</i> , 2005, 272, 2152-2164.	2.2	16
86	X-ray powder diffraction, solid-state NMR and dispersion-corrected DFT calculations to investigate the solid state structure of 2-ammonio-5-chloro-4-methylbenzenesulfonate. <i>Zeitschrift für Kristallographie</i> , 2010, 225, 382-387.	1.1	16
87	The application of solid-state NMR spectroscopy to study candesartan cilexetil (TCV-116) membrane interactions. Comparative study with the AT1R antagonist drug olmesartan. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 2439-2450.	1.4	16
88	Ceramide-lipid interactions studied by MD simulations and solid-state NMR. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 2511-2519.	1.4	16
89	Probing the photointermediates of light-driven sodium ion pump KR2 by DNP-enhanced solid-state NMR. <i>Science Advances</i> , 2021, 7, .	4.7	16
90	Transport cycle intermediate in small multidrug resistance protein is revealed by substrate fluorescence. <i>FASEB Journal</i> , 2008, 22, 365-373.	0.2	15

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91	Hyperforin induces Ca <sup>2+</sup> -independent arachidonic acid release in human platelets by facilitating cytosolic phospholipase A2 activation through select phospholipid interactions. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2010, 1801, 462-472.	1.2	14
92	Global response of diacylglycerol kinase towards substrate binding observed by 2D and 3D MAS NMR. <i>Scientific Reports</i> , 2019, 9, 3995.	1.6	14
93	Investigating transport proteins by solid state NMR. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2006, 372, 451-464.	1.4	13
94	Separated local field NMR experiments on oriented samples rotating at the magic angle. <i>Journal of Biomolecular NMR</i> , 2007, 37, 97-111.	1.6	13
95	Low temperature FTIR spectroscopy provides new insights in the pH-dependent proton pathway of proteorhodopsin. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011, 1807, 1583-1590.	0.5	13
96	Critical Role of Asp227 in the Photocycle of Proteorhodopsin. <i>Biochemistry</i> , 2012, 51, 5589-5600.	1.2	13
97	Ultrafast Photoinduced Deactivation Dynamics of Proteorhodopsin. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 512-517.	2.1	13
98	Structural descriptions of ligands in their binding site of integral membrane proteins at near physiological conditions using solid-state NMR. <i>European Biophysics Journal</i> , 1998, 28, 84-90.	1.2	12
99	An introduction to MAS NMR spectroscopy on oriented membrane proteins. <i>Concepts in Magnetic Resonance</i> , 2000, 12, 137-151.	1.3	12
100	Nimustine hydrochloride: the first crystal structure determination of a 2-chloroethyl-N-nitrosourea hydrochloride derivative by X-ray powder diffraction and solid-state NMR. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2012, 68, 0144-0148.	0.4	12
101	The Desensitized Channelrhodopsin <sup>2</sup> Photointermediate Contains 13 <i>cis</i> , 15 <i>syn</i> ...Retinal Schiff Base. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16442-16447.	7.2	12
102	Interaction of a Type II Myosin with Biological Membranes Studied by 2H Solid State NMR. <i>Biochemistry</i> , 1998, 37, 5582-5588.	1.2	11
103	A spectroscopic study of the membrane interaction of tuberoindubular peptide of 39 residues (TIP39). <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2005, 1714, 1-10.	1.4	11
104	Primary Reaction Dynamics of Proteorhodopsin Mutant D97N Observed by Femtosecond Infrared and Visible Spectroscopy. <i>Photochemistry and Photobiology</i> , 2009, 85, 540-546.	1.3	11
105	Photoisomerization in Proteorhodopsin mutant D97N. <i>Photochemistry and Photobiology</i> , 2006, 83, 226-31.	1.3	10
106	Dual transformation of homonuclear solid-state NMR spectra—an option to decrease measuring time. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007, 1768, 3107-3115.	1.4	10
107	Double quantum filtering homonuclear MAS NMR correlation spectra: a tool for membrane protein studies. <i>Journal of Biomolecular NMR</i> , 2008, 41, 97-104.	1.6	10
108	Theoretical Study of the Human Bradykinin <sup>1-27</sup> Bradykinin B2 Receptor Complex. <i>ChemBioChem</i> , 2008, 9, 2487-2497.	1.3	10

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109	Characterization of the ground state dynamics of proteorhodopsin by NMR and optical spectroscopies. <i>Journal of Biomolecular NMR</i> , 2012, 54, 401-413.	1.6	10
110	A lipid-dependent link between activity and oligomerization state of the <i>M. tuberculosis</i> SMR protein TBsmr. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 561-567.	1.4	10
111	Assembling a Correctly Folded and Functional Heptahelical Membrane Protein by Protein Trans-splicing. <i>Journal of Biological Chemistry</i> , 2015, 290, 27712-27722.	1.6	9
112	Opportunities for Successful Stabilization of Poor Glass-Forming Drugs: A Stability-Based Comparison of Mesoporous Silica Versus Hot Melt Extrusion Technologies. <i>Pharmaceutics</i> , 2019, 11, 577.	2.0	9
113	Incorporation of HPMCAS during loading of glibenclamide onto mesoporous silica improves dissolution and inhibits precipitation. <i>European Journal of Pharmaceutical Sciences</i> , 2020, 141, 105113.	1.9	9
114	Transient Near-UV Absorption of the Light-Driven Sodium Pump <i>Krokinobacter eikastus</i> Rhodopsin 2: A Spectroscopic Marker for Retinal Configuration. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 6284-6291.	2.1	9
115	MsbA: an ABC transporter paradigm. <i>Biochemical Society Transactions</i> , 2021, 49, 2917-2927.	1.6	9
116	Characterizing the Structure and Photocycle of PR 2D Crystals with CD and FTIR Spectroscopy. <i>Photochemistry and Photobiology</i> , 2009, 85, 529-534.	1.3	8
117	How to Investigate Interactions Between Membrane Proteins and Ligands by Solid-State NMR. <i>Methods in Molecular Biology</i> , 2012, 914, 65-86.	0.4	8
118	Synthesis of isotopically labeled all-trans retinals for DNP-enhanced solid-state NMR studies of retinylidene proteins. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2018, 61, 922-933.	0.5	8
119	Fluorescence and excited state dynamics of the deprotonated Schiff base retinal in proteorhodopsin. <i>Biological Chemistry</i> , 2015, 396, 1109-1115.	1.2	7
120	Structure of membrane diacylglycerol kinase in lipid bilayers. <i>Communications Biology</i> , 2021, 4, 282.	2.0	7
121	Lipid-induced dynamics of photoreceptors monitored by time-resolved step-scan FTIR spectroscopy. <i>Chemical Physics</i> , 2018, 512, 53-61.	0.9	6
122	Backbone NMR resonance assignments of the nucleotide binding domain of the ABC multidrug transporter LmrA from <i>Lactococcus lactis</i> in its ADP-bound state. <i>Biomolecular NMR Assignments</i> , 2012, 6, 69-73.	0.4	5
123	Proteorhodopsin Photocycle Kinetics Between pH 5 and pH 9. <i>Photochemistry and Photobiology</i> , 2017, 93, 762-771.	1.3	5
124	Light Dynamics of the Retinal-Disease-Relevant G90D Bovine Rhodopsin Mutant. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15656-15664.	7.2	5
125	Structural insight into the interaction of amyloid- $\beta^2$ peptide with biological membranes by solid state NMR. <i>Focus on Structural Biology</i> , 2001, , 203-214.	0.1	5
126	Light-Induced Uncaging for Time-Resolved Observations of Biochemical Reactions by MAS NMR Spectroscopy. <i>Chemistry - A European Journal</i> , 2020, 26, 6789-6792.	1.7	4



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127	Real-time nuclear magnetic resonance spectroscopy in the study of biomolecular kinetics and dynamics. <i>Magnetic Resonance</i> , 2021, 2, 291-320.	0.8	4
128	A practical synthesis of the <sup>13</sup> C/ <sup>15</sup> N-labelled tripeptide N-formyl-Met-Leu-Phe, useful as a reference in solid-state NMR spectroscopy. <i>Beilstein Journal of Organic Chemistry</i> , 2008, 4, 35.	1.3	3
129	Morphological Differences between $\hat{I}^2$ Microglobulin in Fibrils and Inclusion Bodies. <i>ChemBioChem</i> , 2011, 12, 556-558.	1.3	3
130	Impact of the lipid environment on the protonation dynamics of bacteriorhodopsin studied with time-resolved step-scan FTIR spectroscopy. <i>Biomedical Spectroscopy and Imaging</i> , 2016, 5, 167-174.	1.2	3
131	Toward dipolar recoupling in macroscopically ordered samples of membrane proteins rotating at the magic angle. <i>Focus on Structural Biology</i> , 2001, , 71-81.	0.1	3
132	Conformation and Topology of Diacylglycerol Kinase in <i>E. coli</i> Membranes Revealed by Solid-state NMR Spectroscopy. <i>Angewandte Chemie</i> , 2014, 126, 5730-5734.	1.6	2
133	Light Dynamics of the Retinal Disease-Relevant G90D Bovine Rhodopsin Mutant. <i>Angewandte Chemie</i> , 2020, 132, 15786-15794.	1.6	2
134	Overcoming Volume Selectivity of Dipolar Recoupling in Biological Solid-state NMR Spectroscopy. <i>Angewandte Chemie</i> , 2018, 130, 14722-14726.	1.6	1
135	Drug-Membrane Interactions in the Renin Angiotensin System. <i>Series in Bioengineering</i> , 2019, , 339-364.	0.3	1
136	The Desensitized Channelrhodopsin-2 Photointermediate Contains <sup>13</sup> C-cis, <sup>15</sup> N-syn ... Retinal Schiff Base. <i>Angewandte Chemie</i> , 2021, 133, 16578-16583.	1.6	1
137	Applications of Cell-Free Synthesized Membrane Protein Precipitates. <i>Methods in Molecular Biology</i> , 2022, 2406, 245-266.	0.4	1
138	The Blue-Light Quenching Effect of Proteorhodopsin. <i>Biophysical Journal</i> , 2017, 112, 507a.	0.2	0
139	<sup>13</sup> C Photo-CIDNP MAS NMR Studies on Oriented Reaction Centers. , 2008, , 97-100.		0