

Ann E Mcdermott

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141
papers

7,733
citations

51
h-index

84
g-index

152
ext. papers

8,346
ext. citations

7.8
avg, IF

6.01
L-index

#	Paper	IF	Citations
141	The RIP1/RIP3 necrosome forms a functional amyloid signaling complex required for programmed necrosis. <i>Cell</i> , 2012 , 150, 339-50	56.2	743
140	Nuclear Magnetic Resonance Studies of Biopolymer Dynamics. <i>The Journal of Physical Chemistry</i> , 1996 , 100, 13293-13310		295
139	Structure and dynamics of membrane proteins by magic angle spinning solid-state NMR. <i>Annual Review of Biophysics</i> , 2009 , 38, 385-403	21.1	283
138	Partial NMR assignments for uniformly (¹³ C, ¹⁵ N)-enriched BPTI in the solid state. <i>Journal of Biomolecular NMR</i> , 2000 , 16, 209-19	3	220
137	Protein structure determination by high-resolution solid-state NMR spectroscopy: application to microcrystalline ubiquitin. <i>Journal of the American Chemical Society</i> , 2005 , 127, 8618-26	16.4	196
136	Assignments of carbon NMR resonances for microcrystalline ubiquitin. <i>Journal of the American Chemical Society</i> , 2004 , 126, 6720-7	16.4	177
135	Dynamics of the flexible loop of triosephosphate isomerase: the loop motion is not ligand gated. <i>Biochemistry</i> , 1995 , 34, 8309-19	3.2	174
134	Solution-state NMR investigations of triosephosphate isomerase active site loop motion: ligand release in relation to active site loop dynamics. <i>Journal of Molecular Biology</i> , 2001 , 310, 271-80	6.5	154
133	Hydrogen Bonding of Carboxyl Groups in Solid-State Amino Acids and Peptides: Comparison of Carbon Chemical Shielding, Infrared Frequencies, and Structures. <i>Journal of the American Chemical Society</i> , 1994 , 116, 6368-6372	16.4	152
132	A Spectrometer for Dynamic Nuclear Polarization and Electron Paramagnetic Resonance at High Frequencies. <i>Journal of Magnetic Resonance Series A</i> , 1995 , 117, 28-40		151
131	Structural and dynamic studies of proteins by solid-state NMR spectroscopy: rapid movement forward. <i>Current Opinion in Structural Biology</i> , 2004 , 14, 554-61	8.1	140
130	Assignment of the backbone resonances for microcrystalline ubiquitin. <i>Journal of the American Chemical Society</i> , 2004 , 126, 5323-31	16.4	127
129	The Structure of the Necrosome RIPK1-RIPK3 Core, a Human Hetero-Amyloid Signaling Complex. <i>Cell</i> , 2018 , 173, 1244-1253.e10	56.2	126
128	Optimal alignment for enzymatic proton transfer: structure of the Michaelis complex of triosephosphate isomerase at 1.2-Å resolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 50-5	11.5	118
127	Comparison of the structure of the manganese complex in the S1 and S2 states of the photosynthetic O ₂ -evolving complex: an x-ray absorption spectroscopy study. <i>Biochemistry</i> , 1987 , 26, 5974-81	3.2	118
126	Conformational flexibility of a microcrystalline globular protein: order parameters by solid-state NMR spectroscopy. <i>Journal of the American Chemical Society</i> , 2006 , 128, 11505-12	16.4	113
125	Photochemically Induced Dynamic Nuclear Polarization in the Solid-State ¹⁵ N Spectra of Reaction Centers from Photosynthetic Bacteria <i>Rhodospirillum rubrum</i> R-26. <i>Journal of the American Chemical Society</i> , 1994 , 116, 8362-8363	16.4	111

124	The time scale of the catalytic loop motion in triosephosphate isomerase. <i>Journal of Molecular Biology</i> , 2001 , 310, 259-70	6.5	110
123	The S3 state of photosystem II: differences between the structure of the manganese complex in the S2 and S3 states determined by X-ray absorption spectroscopy. <i>Biochemistry</i> , 1990 , 29, 471-85	3.2	106
122	Solid-State 15N NMR Chemical Shift Anisotropy of Histidines: Experimental and Theoretical Studies of Hydrogen Bonding <i>Journal of the American Chemical Society</i> , 1999 , 121, 10389-10394	16.4	97
121	Filamentous phage studied by magic-angle spinning NMR: resonance assignment and secondary structure of the coat protein in Pf1. <i>Journal of the American Chemical Society</i> , 2007 , 129, 2338-44	16.4	92
120	The S0 state of photosystem II induced by hydroxylamine: differences between the structure of the manganese complex in the S0 and S1 states determined by X-ray absorption spectroscopy. <i>Biochemistry</i> , 1990 , 29, 486-96	3.2	92
119	Solid state NMR studies of paramagnetic coordination complexes: A comparison of protons and deuterons in detection and decoupling. <i>Journal of the American Chemical Society</i> , 1995 , 117, 6897-6906	16.4	91
118	Characterization of the manganese O2-evolving complex and the iron-quinone acceptor complex in photosystem II from a thermophilic cyanobacterium by electron paramagnetic resonance and X-ray absorption spectroscopy. <i>Biochemistry</i> , 1988 , 27, 4021-31	3.2	89
117	Conformational dynamics of an intact virus: order parameters for the coat protein of Pf1 bacteriophage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 10366-71	11.5	86
116	Nitrogen ligation to manganese in the photosynthetic oxygen-evolving complex: continuous-wave and pulsed EPR studies of photosystem II particles containing 14N or 15N. <i>Biochemistry</i> , 1991 , 30, 1335-41	3.2	86
115	The state of manganese in the photosynthetic apparatus. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1986 , 850, 324-332	4.6	85
114	Active site loop motion in triosephosphate isomerase: T-jump relaxation spectroscopy of thermal activation. <i>Biochemistry</i> , 2003 , 42, 2941-51	3.2	84
113	Rotational resonance NMR study of the active site structure in bacteriorhodopsin: conformation of the Schiff base linkage. <i>Biochemistry</i> , 1992 , 31, 7931-8	3.2	84
112	Sulfur K-edge x-ray absorption spectroscopy: a spectroscopic tool to examine the redox state of S-containing metabolites in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 6122-7	11.5	83
111	Chemical shielding anisotropy of protonated and deprotonated carboxylates in amino acids. <i>Journal of the American Chemical Society</i> , 1993 , 115, 4282-4285	16.4	81
110	Chemical shifts for the unusual DNA structure in Pf1 bacteriophage from dynamic-nuclear-polarization-enhanced solid-state NMR spectroscopy. <i>Journal of the American Chemical Society</i> , 2011 , 133, 20208-17	16.4	79
109	A Coherent Mixing Mechanism Explains the Photoinduced Nuclear Polarization in Photosynthetic Reaction Centers <i>Journal of Physical Chemistry B</i> , 1999 , 103, 535-548	3.4	79
108	Transmembrane allosteric coupling of the gates in a potassium channel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 185-90	11.5	77
107	Magic angle spinning solid-state NMR spectroscopy for structural studies of protein interfaces. resonance assignments of differentially enriched Escherichia coli thioredoxin reassembled by fragment complementation. <i>Journal of the American Chemical Society</i> , 2004 , 126, 16608-20	16.4	76

106	Conformational dynamics in the selectivity filter of KcsA in response to potassium ion concentration. <i>Journal of Molecular Biology</i> , 2010 , 401, 155-66	6.5	75
105	Observation of ligand binding to cytochrome P450 BM-3 by means of solid-state NMR spectroscopy. <i>Journal of the American Chemical Society</i> , 2005 , 127, 13816-21	16.4	71
104	Computational modeling of the catalytic reaction in triosephosphate isomerase. <i>Journal of Molecular Biology</i> , 2004 , 337, 227-39	6.5	69
103	Thermal equilibrium of high- and low-spin forms of cytochrome P450 BM-3: repositioning of the substrate?. <i>Journal of the American Chemical Society</i> , 2005 , 127, 13548-52	16.4	65
102	Protonation state of E71 in KcsA and its role for channel collapse and inactivation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 15265-70	11.5	62
101	Hydrogen Bonding and Distance Studies of Amino Acids and Peptides Using Solid State 2D $^1\text{H}\ ^{13}\text{C}$ Heteronuclear Correlation Spectra. <i>Journal of the American Chemical Society</i> , 1996 , 118, 822-829	16.4	59
100	Lineshape Fitting of Deuterium Magic Angle Spinning Spectra of Paramagnetic Compounds in Slow and Fast Limit Motion Regimes. <i>Journal of the American Chemical Society</i> , 1999 , 121, 6884-6894	16.4	58
99	Efficient assignment and NMR analysis of an intact virus using sequential side-chain correlations and DNP sensitization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 5171-5176	11.5	56
98	Solid state NMR: new tools for insight into enzyme function. <i>Current Opinion in Structural Biology</i> , 2007 , 17, 617-22	8.1	55
97	Conformational equilibrium of cytochrome P450 BM-3 complexed with N-palmitoylglycine: a replica exchange molecular dynamics study. <i>Journal of the American Chemical Society</i> , 2006 , 128, 5786-91	16.4	55
96	Deuterium solid-state nuclear magnetic resonance studies of methyl group dynamics in bacteriorhodopsin and retinal model compounds: evidence for a 6-s-trans chromophore in the protein. <i>Biochemistry</i> , 1994 , 33, 3280-6	3.2	55
95	Protein linewidth and solvent dynamics in frozen solution NMR. <i>PLoS ONE</i> , 2012 , 7, e47242	3.7	54
94	Characterization of prion-like conformational changes of the neuronal isoform of Aplysia CPEB. <i>Nature Structural and Molecular Biology</i> , 2013 , 20, 495-501	17.6	53
93	Photochemically Induced Nuclear Spin Polarization in Bacterial Photosynthetic Reaction Centers: Assignments of the ^{15}N SSNMR Spectra. <i>Journal of the American Chemical Society</i> , 1996 , 118, 5867-5873	16.4	53
92	Hydrogen bonding effects on amine rotation rates in crystalline amino acids. <i>Solid State Nuclear Magnetic Resonance</i> , 1996 , 7, 161-72	3.1	51
91	Assignment of the $g = 4.1$ EPR signal to manganese in the S2 state of the photosynthetic oxygen-evolving complex: an X-ray absorption edge spectroscopy study. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1987 , 890, 395-8	4.6	51
90	Solid state NMR studies of photoinduced polarization in photosynthetic reaction centers: mechanism and simulations. <i>Solid State Nuclear Magnetic Resonance</i> , 1998 , 11, 21-47	3.1	50
89	Order parameters based on $(^{13}\text{C}(^1\text{H}))$, $(^{13}\text{C}(^1\text{H}(2)))$ and $(^{13}\text{C}(^1\text{H}(3)))$ heteronuclear dipolar powder patterns: a comparison of MAS-based solid-state NMR sequences. <i>Magnetic Resonance in Chemistry</i> , 2006 , 44, 334-47	2.1	49

88	The New York Consortium on Membrane Protein Structure (NYCOMPS): a high-throughput platform for structural genomics of integral membrane proteins. <i>Journal of Structural and Functional Genomics</i> , 2010 , 11, 191-9		48
87	Deuterium magic angle spinning studies of substrates bound to cytochrome P450. <i>Biochemistry</i> , 1999 , 38, 10808-13	3.2	48
86	Structural Evidence of Amyloid Fibril Formation in the Putative Aggregation Domain of TDP-43. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 2608-15	6.4	47
85	Dynamic nuclear polarization of membrane proteins: covalently bound spin-labels at protein-protein interfaces. <i>Journal of Biomolecular NMR</i> , 2015 , 61, 361-7	3	45
84	Protein-ice interaction of an antifreeze protein observed with solid-state NMR. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 17580-5	11.5	45
83	A Method for Dihedral Angle Measurement in Solids: Rotational Resonance NMR of a Transition-State Inhibitor of Triose Phosphate Isomerase. <i>Journal of the American Chemical Society</i> , 1994 , 116, 8766-8771	16.4	44
82	Measurement of interfluorine distances in solids. <i>Journal of Magnetic Resonance</i> , 2001 , 152, 1-6	3	43
81	Natural abundance solid-state carbon NMR studies of photosynthetic reaction centers with photoinduced polarization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996 , 93, 6857-60	11.5	42
80	Characterization of protein-ligand interactions by high-resolution solid-state NMR spectroscopy. <i>Journal of the American Chemical Society</i> , 2004 , 126, 13948-53	16.4	39
79	Ionic states of substrates and transition state analogues at the catalytic sites of N-ribosyltransferases. <i>Biochemistry</i> , 2003 , 42, 5694-705	3.2	39
78	The structure of human ubiquitin in 2-methyl-2,4-pentanediol: a new conformational switch. <i>Protein Science</i> , 2011 , 20, 630-9	6.3	37
77	Solid-State Deuterium NMR of Imidazole Ligands in Cytochrome c Peroxidase. <i>Journal of the American Chemical Society</i> , 1998 , 120, 10199-10202	16.4	37
76	EXAFS structural study of FX, the low-potential Fe-S center in photosystem I. <i>Biochemistry</i> , 1989 , 28, 8056-9	3.2	37
75	Photosystem I charge separation in the absence of center A and B. III. Biochemical characterization of a reaction center particle containing P-700 and FX. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1987 , 893, 149-160	4.6	37
74	Substrate product equilibrium on a reversible enzyme, triosephosphate isomerase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 2080-5	11.5	35
73	Pulsed dynamic nuclear polarization at 5 T. <i>Chemical Physics Letters</i> , 1992 , 189, 54-59	2.5	35
72	Structure of the manganese complex of photosystem II upon removal of the 33-kilodalton extrinsic protein: an X-ray absorption spectroscopy study. <i>Biochemistry</i> , 1987 , 26, 5967-73	3.2	35
71	Carbon-13 chemical shift tensors of carboxylic acids: GIAO calculations in acetic acid + methylamine dimer. <i>Molecular Physics</i> , 1995 , 86, 865-872	1.7	33

70	Cis-trans energetics in urea and acetamide studied by deuterium NMR. <i>The Journal of Physical Chemistry</i> , 1993 , 97, 12393-12398		33
69	Evidence for the existence of [2Fe-2S] as well as [4Fe-4S] clusters among FA, FB and FX. Implications for the structure of the Photosystem I reaction center. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1987 , 891, 94-98	4.6	33
68	Solid-state NMR on a type III antifreeze protein in the presence of ice. <i>Journal of the American Chemical Society</i> , 2008 , 130, 17394-9	16.4	32
67	Quantifying conformational dynamics using solid-state R ₁ experiments. <i>Journal of Magnetic Resonance</i> , 2012 , 222, 1-7	3	31
66	Functional model of metabolite gating by human voltage-dependent anion channel 2. <i>Biochemistry</i> , 2011 , 50, 3408-10	3.2	31
65	Improvement of resolution in solid state NMR spectra with J-decoupling: an analysis of lineshape contributions in uniformly ¹³ C-enriched amino acids and proteins. <i>Journal of Magnetic Resonance</i> , 2003 , 164, 270-85	3	31
64	Intersubunit hydrophobic interactions in Pf1 filamentous phage. <i>Journal of Biological Chemistry</i> , 2010 , 285, 37051-9	5.4	30
63	Solid-state NMR study and assignments of the KcsA potassium ion channel of <i>S. lividans</i> . <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2007 , 1774, 1604-13	4	30
62	N-H bond stretching in histidine complexes: a solid-state NMR study. <i>Magnetic Resonance in Chemistry</i> , 2001 , 39, S30-S36	2.1	30
61	Solid state NMR studies of hydrogen bonding in a citrate synthase inhibitor complex. <i>Biochemistry</i> , 1999 , 38, 8022-31	3.2	30
60	Transmembrane allosteric energetics characterization for strong coupling between proton and potassium ion binding in the KcsA channel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 8788-8793	11.5	29
59	Dynamic Nuclear Polarization Signal Enhancement with High-Affinity Biradical Tags. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 1169-1175	3.4	28
58	A branch and bound algorithm for protein structure refinement from sparse NMR data sets. <i>Journal of Molecular Biology</i> , 1999 , 285, 1691-710	6.5	28
57	Monitoring conformational dynamics with solid-state R ₁ rho experiments. <i>Journal of Biomolecular NMR</i> , 2009 , 45, 5-8	3	26
56	Proton transfer dynamics and N-H bond lengthening in N-H...N model systems: a solid-state NMR study. <i>Magnetic Resonance in Chemistry</i> , 2001 , 39, S37-S43	2.1	26
55	Assignment of congested NMR spectra: carbonyl backbone enrichment via the Entner-Doudoroff pathway. <i>Journal of Magnetic Resonance</i> , 2007 , 189, 157-65	3	25
54	Reactivity of tunichromes: reduction of vanadium(V) and vanadium(IV) to vanadium(III) at neutral pH. <i>Journal of the American Chemical Society</i> , 1992 , 114, 9659-9660	16.4	24
53	Cardiolipin interaction with subunit c of ATP synthase: solid-state NMR characterization. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015 , 1848, 260-5	3.8	23

52	Homonuclear mixing sequences for perdeuterated proteins. <i>Journal of Magnetic Resonance</i> , 2011 , 208, 122-7	3	23
51	Partial site-specific assignment of a uniformly (13)C, (15)N enriched membrane protein, light-harvesting complex 1 (LH1), by solid state NMR. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008 , 1777, 1098-108	4.6	21
50	Photochemical and Magnetic Resonance Investigations of the Supramolecular Structure and Dynamics of Molecules and Reactive Radicals on the External and Internal Surface of MFI Zeolites. <i>Journal of the American Chemical Society</i> , 2000 , 122, 11649-11659	16.4	21
49	Preparation of uniformly isotope labeled KcsA for solid state NMR: expression, purification, reconstitution into liposomes and functional assay. <i>Protein Expression and Purification</i> , 2013 , 91, 119-24	2	19
48	NMR Signal Quenching from Bound Biradical Affinity Reagents in DNP Samples. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 10770-10781	3.4	19
47	PF1 bacteriophage hydration by magic angle spinning solid-state NMR. <i>Journal of Chemical Physics</i> , 2014 , 141, 22D533	3.9	19
46	Suppression of phospholipid biosynthesis by cerulenin in the condensed Single-Protein-Production (cSPP) system. <i>Journal of Biomolecular NMR</i> , 2011 , 49, 131-7	3	18
45	Conformational dynamics of substrate in the active site of cytochrome P450 BM-3/NPG complex: insights from NMR order parameters. <i>Journal of the American Chemical Society</i> , 2007 , 129, 474-5	16.4	18
44	New NMR tools for protein structure and function: Spin tags for dynamic nuclear polarization solid state NMR. <i>Archives of Biochemistry and Biophysics</i> , 2017 , 628, 102-113	4.1	17
43	A 2D MAS solid-state NMR method to recover the amplified heteronuclear dipolar and chemical shift anisotropic interactions. <i>Journal of Magnetic Resonance</i> , 2002 , 158, 23-35	3	17
42	Homo-nuclear 13C J-decoupling in uniformly 13C-enriched solid proteins. <i>Journal of Magnetic Resonance</i> , 2005 , 175, 11-20	3	17
41	Tertiary structure prediction of mixed α/β proteins via energy minimization. <i>Proteins: Structure, Function and Bioinformatics</i> , 1998 , 33, 240-252	4.2	16
40	NMR Spectroscopy in the Presence of Strong Ac Electric Fields: Degree of Alignment of Polar Molecules. <i>Journal of Physical Chemistry A</i> , 1999 , 103, 8604-8611	2.8	16
39	Identifying coupled clusters of allosteric participants through chemical shift perturbations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 2078-2085	11.5	15
38	Triosephosphate isomerase: 15N and 13C chemical shift assignments and conformational change upon ligand binding by magic-angle spinning solid-state NMR spectroscopy. <i>Journal of Molecular Biology</i> , 2010 , 397, 233-48	6.5	15
37	Characterization of slow conformational dynamics in solids: dipolar CODEX. <i>Journal of Biomolecular NMR</i> , 2009 , 45, 227-32	3	15
36	Stability of nitroxide biradical TOTAPOL in biological samples. <i>Journal of Magnetic Resonance</i> , 2019 , 303, 115-120	3	14
35	Ipso nitration. Preparation of 4-methyl-4-nitrocyclohexadienols and detection of intramolecular hydrogen migration (NIH shift) upon solvolytic rearomatization. <i>Journal of the American Chemical Society</i> , 1979 , 101, 505-506	16.4	12

34	Structural evidence: a single charged residue affects substrate binding in cytochrome P450 BM-3. <i>Biochemistry</i> , 2013 , 52, 6807-15	3.2	11
33	Conformation of the trypanocidal pharmaceutical suramin in its free and bound forms: transferred nuclear overhauser studies. <i>Biochemistry</i> , 1997 , 36, 14202-17	3.2	11
32	Effects of Hydrogen Bonding on ¹ H Chemical Shifts. <i>ACS Symposium Series</i> , 1999 , 177-193	0.4	11
31	Inactivation in the potassium channel KcsA. <i>Journal of Structural Biology: X</i> , 2019 , 3, 100009	2.9	10
30	Dipolar interactions in molecules aligned by strong AC electric fields. <i>Journal of Magnetic Resonance</i> , 2000 , 147, 104-9	3	10
29	Variable NMR Spin-Lattice Relaxation Times in Secondary Amides: Effect of Ramachandran Angles on Librational Dynamics. <i>Journal of Physical Chemistry B</i> , 1998 , 102, 6248-6259	3.4	10
28	Investigation of slow molecular dynamics using R-CODEX. <i>Journal of Magnetic Resonance</i> , 2012 , 222, 74-80	3	9
27	Refocusing CSA during magic angle spinning rotating-frame relaxation experiments. <i>Journal of Magnetic Resonance</i> , 2018 , 296, 130-137	3	9
26	Oxygen and Structural Effects on Silicalite ²⁹ Si Spin-Lattice Relaxation Studied by High-Resolution ²⁹ Si Solid-State NMR. <i>Chemistry of Materials</i> , 2000 , 12, 731-737	9.6	8
25	TmDOTP: An NMR-based thermometer for magic angle spinning NMR experiments. <i>Journal of Magnetic Resonance</i> , 2019 , 308, 106574	3	6
24	Probing allosteric coupling in a constitutively open mutant of the ion channel KcsA using solid-state NMR. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 7171-7175	11.5	5
23	Structure determination of aligned systems by solid-state NMR magic angle spinning methods. <i>Journal of Magnetic Resonance</i> , 2005 , 176, 223-33	3	5
22	Design and preparation of polyphenyl distance markers for solid-state ¹⁹ F NMR. <i>Israel Journal of Chemistry</i> , 2000 , 40, 301-306	3.4	5
21	Multidimensional Solid-State Nuclear Magnetic Resonance of a Functional Multiprotein Chemoreceptor Array. <i>Biochemistry</i> , 2016 , 55, 3616-24	3.2	5
20	NMR studies of lipid regulation of the K channel KcsA. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021 , 1863, 183491	3.8	5
19	A native cell membrane nanoparticles system allows for high-quality functional proteoliposome reconstitution. <i>BBA Advances</i> , 2021 , 1, 100011-100011		5
18	Cytochrome P450 BM-3 in complex with its substrate: Temperature-dependent spin state equilibria in the oxidized and reduced states. <i>Applied Magnetic Resonance</i> , 2007 , 31, 411-429	0.8	4
17	Synthesis of (1, 2- ¹³ C ₂) 2-phosphoglycolic acid. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 1994 , 34, 735-740	1.9	4

16	X-ray absorption spectroscopy of Mn in the photosynthetic apparatus. <i>Physica B: Condensed Matter</i> , 1989 , 158, 78-80	2.8	4
15	Micellar TIA1 with folded RNA binding domains as a model for reversible stress granule formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 31832-31837 ^{11.5}		4
14	Phe-Gly motifs drive fibrillization of TDP-43 ^Q prion-like domain condensates. <i>PLoS Biology</i> , 2021 , 19, e3001198	9.7	4
13	An iron(III)trichloride adduct of N-isopropylsalicylaldehyde: preparation, X-ray structure and NMR spectroscopic characterization. <i>Inorganic Chemistry Communication</i> , 2002 , 5, 283-287	3.1	3
12	NMR assignments for the C-terminal domain of human TDP-43. <i>Biomolecular NMR Assignments</i> , 2021 , 15, 177-181	0.7	3
11	Locating hydrogen atoms in single crystal and uniaxially aligned amino acids by solid-state NMR. <i>Journal of Magnetic Resonance</i> , 2007 , 185, 12-8	3	2
10	Scaled recoupling of chemical shift anisotropies at high magnetic fields under MAS with interspersed C-elements. <i>Journal of Chemical Physics</i> , 2020 , 153, 104201	3.9	2
9	Carbon and Nitrogen Chemical Shifts of Solid State Enzymes 2007 ,		1
8	Solid State NMR Studies of Uniformly Isotopically Enriched Proteins 2002 , 103-120		1
7	ACCEPT-NMR: A New Tool for the Analysis of Crystal Contacts and Their Links to NMR Chemical Shift Perturbations. <i>Journal of Crystallization Process and Technology</i> , 2013 , 03, 12-27	0.3	1
6	Informing NMR experiments with molecular dynamics simulations to characterize the dominant activated state of the KcsA ion channel. <i>Journal of Chemical Physics</i> , 2021 , 154, 165102	3.9	1
5	N,N-Diethylmethylamine as lineshape standard for NMR above 130 K. <i>Journal of Magnetic Resonance</i> , 2018 , 287, 110-112	3	0
4	Detection of slow dynamics by solid-state NMR: Application to L-phenylalanine hydrochloride. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2013 , 42A, 14-22	0.6	
3	Hommage to Richard R. Ernst. <i>Frontiers in Molecular Biosciences</i> , 2021 , 8, 769772	5.6	
2	X-Ray Absorption Spectroscopy of Manganese and Iron in the Photosynthetic Apparatus. <i>Springer Series in Biophysics</i> , 1987 , 223-230		
1	Inactivation of a Potassium Channel. <i>FASEB Journal</i> , 2015 , 29, 95.2	0.9	