

Ann E Mcdermott

List of Publications by Year in descending order

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docs citations

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times ranked

6556
citing authors

#	ARTICLE	IF	CITATIONS
1	The RIP1/RIP3 Necrosome Forms a Functional Amyloid Signaling Complex Required for Programmed Necrosis. <i>Cell</i> , 2012, 150, 339-350.	28.9	968
2	Structure and Dynamics of Membrane Proteins by Magic Angle Spinning Solid-State NMR. <i>Annual Review of Biophysics</i> , 2009, 38, 385-403.	10.0	312
3	Nuclear Magnetic Resonance Studies of Biopolymer Dynamics. <i>The Journal of Physical Chemistry</i> , 1996, 100, 13293-13310.	2.9	310
4	Partial NMR assignments for uniformly (¹³ C, ¹⁵ N)-enriched BPTI in the solid state. <i>Journal of Biomolecular NMR</i> , 2000, 16, 209-219.	2.8	232
5	The Structure of the Necrosome RIPK1-RIPK3 Core, a Human Hetero-Amyloid Signaling Complex. <i>Cell</i> , 2018, 173, 1244-1253.e10.	28.9	216
6	Protein Structure Determination by High-Resolution Solid-State NMR Spectroscopy: Application to Microcrystalline Ubiquitin. <i>Journal of the American Chemical Society</i> , 2005, 127, 8618-8626.	13.7	210
7	Assignments of Carbon NMR Resonances for Microcrystalline Ubiquitin. <i>Journal of the American Chemical Society</i> , 2004, 126, 6720-6727.	13.7	187
8	Dynamics of the Flexible Loop of Triose-Phosphate Isomerase: The Loop Motion Is Not Ligand Gated. <i>Biochemistry</i> , 1995, 34, 8309-8319.	2.5	185
9	Solution-state NMR investigations of triosephosphate isomerase active site loop motion: ligand release in relation to active site loop dynamics. Edited by P. E. Wright. <i>Journal of Molecular Biology</i> , 2001, 310, 271-280.	4.2	170
10	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.	13.7	164
11	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.	1.6	163
12	Structural and dynamic studies of proteins by solid-state NMR spectroscopy: rapid movement forward. <i>Current Opinion in Structural Biology</i> , 2004, 14, 554-561.	5.7	148
13	Comparison of the structure of the manganese complex in the S1 and S2 states of the photosynthetic oxygen-evolving complex: an x-ray absorption spectroscopy study. <i>Biochemistry</i> , 1987, 26, 5974-5981.	2.5	137
14	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, 50-55.	7.1	136
15	Assignment of the Backbone Resonances for Microcrystalline Ubiquitin. <i>Journal of the American Chemical Society</i> , 2004, 126, 5323-5331.	13.7	136
16	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.	13.7	124
17	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, 471-485.	2.5	121
18	Conformational Flexibility of a Microcrystalline Globular Protein: Order Parameters by Solid-State NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2006, 128, 11505-11512.	13.7	120

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19	The time scale of the catalytic loop motion in triosephosphate isomerase11Edited by P. E. Wright. Journal of Molecular Biology, 2001, 310, 259-270.	4.2	115
20	Solid-State ¹⁵ N NMR Chemical Shift Anisotropy of Histidines:Â Experimental and Theoretical Studies of Hydrogen Bondingâ€. Journal of the American Chemical Society, 1999, 121, 10389-10394.	13.7	110
21	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. Biochemistry, 1990, 29, 486-496.	2.5	107
22	The state of manganese in the photosynthetic apparatus. Biochimica Et Biophysica Acta - Bioenergetics, 1986, 850, 324-332.	1.0	104
23	Characterization of the manganese oxygen-evolving complex and the iron-quinone acceptor complex in photosystem II from a thermophilic cyanobacterium by electron paramagnetic resonance and x-ray absorption spectroscopy. Biochemistry, 1988, 27, 4021-4031.	2.5	100
24	Nitrogen ligation to manganese in the photosynthetic oxygen-evolving complex: continuous-wave and pulsed EPR studies of photosystem II particles containing nitrogen-14 or nitrogen-15. Biochemistry, 1991, 30, 1335-1341.	2.5	99
25	Filamentous Phage Studied by Magic-Angle Spinning NMR:Â Resonance Assignment and Secondary Structure of the Coat Protein in Pf1. Journal of the American Chemical Society, 2007, 129, 2338-2344.	13.7	97
26	Rotational resonance NMR study of the active site structure in bacteriorhodopsin: conformation of the Schiff base linkage. Biochemistry, 1992, 31, 7931-7938.	2.5	96
27	Solid state NMR studies of paramagnetic coordination complexes: A comparison of protons and deuterons in detection and decoupling. Journal of the American Chemical Society, 1995, 117, 6897-6906.	13.7	95
28	Active Site Loop Motion in Triosephosphate Isomerase:Â T-Jump Relaxation Spectroscopy of Thermal Activationâ€. Biochemistry, 2003, 42, 2941-2951.	2.5	91
29	Transmembrane allosteric coupling of the gates in a potassium channel. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 185-190.	7.1	91
30	Conformational dynamics of an intact virus: Order parameters for the coat protein of Pf1 bacteriophage. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 10366-10371.	7.1	90
31	Chemical shielding anisotropy of protonated and deprotonated carboxylates in amino acids. Journal of the American Chemical Society, 1993, 115, 4282-4285.	13.7	89
32	Sulfur K-edge x-ray absorption spectroscopy: A spectroscopic tool to examine the redox state of S-containing metabolites in vivo. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 6122-6127.	7.1	89
33	Chemical Shifts for the Unusual DNA Structure in Pf1 Bacteriophage from Dynamic-Nuclear-Polarization-Enhanced Solid-State NMR Spectroscopy. Journal of the American Chemical Society, 2011, 133, 20208-20217.	13.7	89
34	A Coherent Mixing Mechanism Explains the Photoinduced Nuclear Polarization in Photosynthetic Reaction Centersâ€. Journal of Physical Chemistry B, 1999, 103, 535-548.	2.6	86
35	Conformational Dynamics in the Selectivity Filter of KcsA in Response to Potassium Ion Concentration. Journal of Molecular Biology, 2010, 401, 155-166.	4.2	85
36	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. Journal of the American Chemical Society, 2004, 126, 16608-16620.	13.7	83

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37	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, 13816-13821.	13.7	82
38	Computational Modeling of the Catalytic Reaction in Triosephosphate Isomerase. <i>Journal of Molecular Biology</i> , 2004, 337, 227-239.	4.2	78
39	Characterization of prion-like conformational changes of the neuronal isoform of Aplysia CPEB . <i>Nature Structural and Molecular Biology</i> , 2013, 20, 495-501.	8.2	73
40	Hydrogen Bonding and Distance Studies of Amino Acids and Peptides Using Solid State 2D ^1H - ^{13}C Heteronuclear Correlation Spectra. <i>Journal of the American Chemical Society</i> , 1996, 118, 822-829.	13.7	70
41	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, 13548-13552.	13.7	70
42	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, 15265-15270.	7.1	70
43	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.	7.1	67
44	Structural Evidence of Amyloid Fibril Formation in the Putative Aggregation Domain of TDP-43. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 2608-2615.	4.6	64
45	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, 3280-3286.	2.5	63
46	Protein Linewidth and Solvent Dynamics in Frozen Solution NMR. <i>PLoS ONE</i> , 2012, 7, e47242.	2.5	63
47	Solid state NMR: new tools for insight into enzyme function. <i>Current Opinion in Structural Biology</i> , 2007, 17, 617-622.	5.7	61
48	Assignment of the $g = 4.1$ ERP 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, 395-398.	1.0	59
49	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.	13.7	59
50	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.	13.7	59
51	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, 5786-5791.	13.7	59
52	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, 334-347.	1.9	58
53	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, 191-199.	1.2	57
54	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.	2.3	56

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55	Hydrogen bonding effects on amine rotation rates in crystalline amino acids. <i>Solid State Nuclear Magnetic Resonance</i> , 1996, 7, 161-172.	2.3	52
56	Deuterium Magic Angle Spinning Studies of Substrates Bound to Cytochrome P450. <i>Biochemistry</i> , 1999, 38, 10808-10813.	2.5	52
57	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, 6857-6860.	7.1	49
58	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, 17580-17585.	7.1	49
59	Dynamic nuclear polarization of membrane proteins: covalently bound spin-labels at protein-protein interfaces. <i>Journal of Biomolecular NMR</i> , 2015, 61, 361-367.	2.8	49
60	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.	13.7	47
61	Measurement of Interfluorine Distances in Solids. <i>Journal of Magnetic Resonance</i> , 2001, 152, 1-6.	2.1	46
62	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.	7.1	46
63	EXAFS structural study of FX, the low-potential iron-sulfur center in photosystem I. <i>Biochemistry</i> , 1989, 28, 8056-8059.	2.5	44
64	Characterization of Protein-Ligand Interactions by High-Resolution Solid-State NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2004, 126, 13948-13953.	13.7	44
65	The structure of human ubiquitin in 2-methyl-2,4-pentanediol: A new conformational switch. <i>Protein Science</i> , 2011, 20, 630-639.	7.6	44
66	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, 5967-5973.	2.5	43
67	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, 2080-2085.	7.1	43
68	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.	1.0	42
69	Functional Model of Metabolite Gating by Human Voltage-Dependent Anion Channel 2. <i>Biochemistry</i> , 2011, 50, 3408-3410.	2.5	42
70	Solid-State Deuterium NMR of Imidazole Ligands in Cytochrome c Peroxidase. <i>Journal of the American Chemical Society</i> , 1998, 120, 10199-10202.	13.7	41
71	Ionic States of Substrates and Transition State Analogues at the Catalytic Sites of N-Ribosyltransferases. <i>Biochemistry</i> , 2003, 42, 5694-5705.	2.5	41
72	Pulsed dynamic nuclear polarization at 5 T. <i>Chemical Physics Letters</i> , 1992, 189, 54-59.	2.6	37

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73	Cis-trans energetics in urea and acetamide studied by deuterium NMR. <i>The Journal of Physical Chemistry</i> , 1993, 97, 12393-12398.	2.9	37
74	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	37
75	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.	1.0	36
76	Quantifying conformational dynamics using solid-state R ₁ ρ experiments. <i>Journal of Magnetic Resonance</i> , 2012, 222, 1-7.	2.1	36
77	Solid State NMR Studies of Hydrogen Bonding in a Citrate Synthase Inhibitor Complex. <i>Biochemistry</i> , 1999, 38, 8022-8031.	2.5	35
78	Solid-State NMR on a Type III Antifreeze Protein in the Presence of Ice. <i>Journal of the American Chemical Society</i> , 2008, 130, 17394-17399.	13.7	33
79	Dynamic Nuclear Polarization Signal Enhancement with High-Affinity Biradical Tags. <i>Journal of Physical Chemistry B</i> , 2017, 121, 1169-1175.	2.6	33
80	N-H bond stretching in histidine complexes: a solid-state NMR study. <i>Magnetic Resonance in Chemistry</i> , 2001, 39, S30-S36.	1.9	32
81	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, 270-285.	2.1	32
82	Cardiolipin interaction with subunit c of ATP synthase: Solid-state NMR characterization. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 260-265.	2.6	32
83	A branch and bound algorithm for protein structure refinement from sparse NMR data sets 1 Edited by F. Cohen. <i>Journal of Molecular Biology</i> , 1999, 285, 1691-1710.	4.2	31
84	Intersubunit Hydrophobic Interactions in Pf1 Filamentous Phage. <i>Journal of Biological Chemistry</i> , 2010, 285, 37051-37059.	3.4	31
85	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, 1604-1613.	2.3	30
86	Monitoring conformational dynamics with solid-state R ₁ ρ experiments. <i>Journal of Biomolecular NMR</i> , 2009, 45, 5-8.	2.8	30
87	Proton transfer dynamics and N-H bond lengthening in N ¹⁵ H ¹³ C ¹⁵ N model systems: a solid-state NMR study. <i>Magnetic Resonance in Chemistry</i> , 2001, 39, S37-S43.	1.9	27
88	Assignment of congested NMR spectra: Carbonyl backbone enrichment via the Entner-Doudoroff pathway. <i>Journal of Magnetic Resonance</i> , 2007, 189, 157-165.	2.1	27
89	Identifying coupled clusters of allostery participants through chemical shift perturbations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 2078-2085.	7.1	27
90	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.	13.7	26

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91	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.	13.7	26
92	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, 119-124.	1.3	26
93	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.	3.0	26
94	Homonuclear mixing sequences for perdeuterated proteins. <i>Journal of Magnetic Resonance</i> , 2011, 208, 122-127.	2.1	24
95	NMR Signal Quenching from Bound Biradical Affinity Reagents in DNP Samples. <i>Journal of Physical Chemistry B</i> , 2017, 121, 10770-10781.	2.6	24
96	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, 1098-1108.	1.0	23
97	Suppression of phospholipid biosynthesis by cerulenin in the condensed Single-Protein-Production (cSPP) system. <i>Journal of Biomolecular NMR</i> , 2011, 49, 131-137.	2.8	23
98	Pf1 bacteriophage hydration by magic angle spinning solid-state NMR. <i>Journal of Chemical Physics</i> , 2014, 141, 22D533.	3.0	20
99	Stability of nitroxide biradical TOTAPOL in biological samples. <i>Journal of Magnetic Resonance</i> , 2019, 303, 115-120.	2.1	20
100	Tertiary structure prediction of mixed $\hat{I}\pm\hat{I}^2$ proteins via energy minimization. <i>Proteins: Structure, Function and Bioinformatics</i> , 1998, 33, 240-252.	2.6	19
101	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.	2.1	18
102	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, 474-475.	13.7	18
103	Characterization of slow conformational dynamics in solids: dipolar CODEX. <i>Journal of Biomolecular NMR</i> , 2009, 45, 227-232.	2.8	18
104	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.	2.5	17
105	Homo-nuclear ¹³ C J-decoupling in uniformly ¹³ C-enriched solid proteins. <i>Journal of Magnetic Resonance</i> , 2005, 175, 11-20.	2.1	17
106	Triosephosphate Isomerase: ¹⁵ N and ¹³ C 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, 233-248.	4.2	17
107	Phe-Gly motifs drive fibrillization of TDP-43's prion-like domain condensates. <i>PLoS Biology</i> , 2021, 19, e3001198.	5.6	17
108	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.	2.6	15

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109	Micellar TIA1 with folded RNA binding domains as a model for reversible stress granule formation. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 31832-31837.	7.1	15
110	Inactivation in the potassium channel KcsA. Journal of Structural Biology: X, 2019, 3, 100009.	1.3	14
111	Ipso nitration. Preparation of 4-methyl-4-nitrocyclohexadienols and detection of intramolecular hydrogen migration (NIH shift) upon solvolytic rearomatization. Journal of the American Chemical Society, 1979, 101, 505-506.	13.7	13
112	Conformation of the Trypanocidal Pharmaceutical Suramin in Its Free and Bound Forms: A Transferred Nuclear Overhauser Studies. Biochemistry, 1997, 36, 14202-14217.	2.5	13
113	Effects of Hydrogen Bonding on ¹ H Chemical Shifts. ACS Symposium Series, 1999, , 177-193.	0.5	11
114	Dipolar Interactions in Molecules Aligned by Strong AC Electric Fields. Journal of Magnetic Resonance, 2000, 147, 104-109.	2.1	11
115	Structural Evidence: A Single Charged Residue Affects Substrate Binding in Cytochrome P450 BM-3. Biochemistry, 2013, 52, 6807-6815.	2.5	11
116	Refocusing CSA during magic angle spinning rotating-frame relaxation experiments. Journal of Magnetic Resonance, 2018, 296, 130-137.	2.1	11
117	TmDOTP: An NMR-based thermometer for magic angle spinning NMR experiments. Journal of Magnetic Resonance, 2019, 308, 106574.	2.1	11
118	Probing allosteric coupling in a constitutively open mutant of the ion channel KcsA using solid-state NMR. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 7171-7175.	7.1	11
119	NMR studies of lipid regulation of the K ⁺ channel KcsA. Biochimica Et Biophysica Acta - Biomembranes, 2021, 1863, 183491.	2.6	11
120	Informing NMR experiments with molecular dynamics simulations to characterize the dominant activated state of the KcsA ion channel. Journal of Chemical Physics, 2021, 154, 165102.	3.0	11
121	Investigation of slow molecular dynamics using R-CODEX. Journal of Magnetic Resonance, 2012, 222, 74-80.	2.1	10
122	A native cell membrane nanoparticles system allows for high-quality functional proteoliposome reconstitution. BBA Advances, 2021, 1, 100011.	1.6	9
123	Oxygen and Structural Effects on Silicalite-29Si Spin Lattice Relaxation Studied by High-Resolution 29Si Solid-State NMR. Chemistry of Materials, 2000, 12, 731-737.	6.7	8
124	Multidimensional Solid-State Nuclear Magnetic Resonance of a Functional Multiprotein Chemoreceptor Array. Biochemistry, 2016, 55, 3616-3624.	2.5	8
125	X-ray absorption spectroscopy of Mn in the photosynthetic apparatus. Physica B: Condensed Matter, 1989, 158, 78-80.	2.7	6
126	Synthesis of (1, 2- ¹³ C ₂) 2-phosphoglycolic acid. Journal of Labelled Compounds and Radiopharmaceuticals, 1994, 34, 735-740.	1.0	6

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127	Scaled recoupling of chemical shift anisotropies at high magnetic fields under MAS with interspersed ^{13}C -elements. <i>Journal of Chemical Physics</i> , 2020, 153, 104201.	3.0	6
128	NMR assignments for the C-terminal domain of human TDP-43. <i>Biomolecular NMR Assignments</i> , 2021, 15, 177-181.	0.8	6
129	Design and preparation of polyphenyl distance markers for solid-state ^{19}F NMR. <i>Israel Journal of Chemistry</i> , 2000, 40, 301-306.	2.3	5
130	Structure determination of aligned systems by solid-state NMR magic angle spinning methods. <i>Journal of Magnetic Resonance</i> , 2005, 176, 223-233.	2.1	5
131	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.	1.2	4
132	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.	3.9	3
133	Locating hydrogen atoms in single crystal and uniaxially aligned amino acids by solid-state NMR. <i>Journal of Magnetic Resonance</i> , 2007, 185, 12-18.	2.1	2
134	N,N-Diethylmethylamine as lineshape standard for NMR above 130 K. <i>Journal of Magnetic Resonance</i> , 2018, 287, 110-112.	2.1	2
135	Solid State NMR Studies of Uniformly Isotopically Enriched Proteins. , 2002, , 103-120.		1
136	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.	0.6	1
137	Additions and Corrections - 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, 1908-1908.	13.7	0
138	Detection of slow dynamics by solid-state NMR: Application to $^{\alpha}\text{-}^{13}\text{C}$ -phenylalanine hydrochloride. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2013, 42A, 14-22.	0.5	0
139	Hommage to Richard R. Ernst. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 769772.	3.5	0
140	X-Ray Absorption Spectroscopy of Manganese and Iron in the Photosynthetic Apparatus. <i>Springer Series in Biophysics</i> , 1987, , 223-230.	0.4	0
141	Inactivation of a Potassium Channel. <i>FASEB Journal</i> , 2015, 29, 95.2.	0.5	0
142	A Closer Look at RIPK1-RIPK3 Core Amyloids. , 2018, , .		0