Ann E Mcdermott

List of Publications by Year
in descending order

142 papers	8,901 citations	31976 53 h-index	45317 90 g-index
152 all docs	152 docs citations	152 times ranked	6556 citing authors

#	Article	IF	Citations
1	NMR studies of lipid regulation of the K+ channel KcsA. Biochimica Et Biophysica Acta - Biomembranes, 2021, 1863, 183491.	2.6	11
2	NMR assignments for the C-terminal domain of human TDP-43. Biomolecular NMR Assignments, 2021, 15, 177-181.	0.8	6
3	A native cell membrane nanoparticles system allows for high-quality functional proteoliposome reconstitution. BBA Advances, 2021, 1, 100011.	1.6	9
4	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
5	Phe-Gly motifs drive fibrillization of TDP-43â€™s prion-like domain condensates. PLoS Biology, 2021, 19, e3001198.	5.6	17
6	Hommage to Richard R. Ernst. Frontiers in Molecular Biosciences, 2021, 8, 769772.	3.5	0
7	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
8	Scaled recoupling of chemical shift anisotropies at high magnetic fields under MAS with interspersed C-elements. Journal of Chemical Physics, 2020, 153, 104201.	3.0	6
9	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
10	Inactivation in the potassium channel KcsA. Journal of Structural Biology: X, 2019, 3, 100009.	1.3	14
11	TmDOTP: An NMR-based thermometer for magic angle spinning NMR experiments. Journal of Magnetic Resonance, 2019, 308, 106574.	2.1	11
12	Identifying coupled clusters of allostery participants through chemical shift perturbations. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 2078-2085.	7.1	27
13	Stability of nitroxide biradical TOTAPOL in biological samples. Journal of Magnetic Resonance, 2019, 303, 115-120.	2.1	20
14	The Structure of the Necrosome RIPK1-RIPK3 Core, a Human Hetero-Amyloid Signaling Complex. Cell, 2018, 173, 1244-1253.e10.	28.9	216
15	N,N-Diethylmethylamine as lineshape standard for NMR above 130â€¯K. Journal of Magnetic Resonance, 2018, 287, 110-112.	2.1	2
16	Refocusing CSA during magic angle spinning rotating-frame relaxation experiments. Journal of Magnetic Resonance, 2018, 296, 130-137.	2.1	11
17	A Closer Look at RIPK1-RIPK3 Core Amyloids. , 2018, , .		0
18	Dynamic Nuclear Polarization Signal Enhancement with High-Affinity Biradical Tags. Journal of Physical Chemistry B, 2017, 121, 1169-1175.	2.6	33

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19	Efficient assignment and NMR analysis of an intact virus using sequential side-chain correlations and DNP sensitization. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 5171-5176.	7.1	67
20	New NMR tools for protein structure and function: Spin tags for dynamic nuclear polarization solid state NMR. Archives of Biochemistry and Biophysics, 2017, 628, 102-113.	3.0	26
21	Transmembrane allosteric energetics characterization for strong coupling between proton and potassium ion binding in the KcsA channel. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 8788-8793.	7.1	46
22	NMR Signal Quenching from Bound Biradical Affinity Reagents in DNP Samples. Journal of Physical Chemistry B, 2017, 121, 10770-10781.	2.6	24
23	Multidimensional Solid-State Nuclear Magnetic Resonance of a Functional Multiprotein Chemoreceptor Array. Biochemistry, 2016, 55, 3616-3624.	2.5	8
24	Structural Evidence of Amyloid Fibril Formation in the Putative Aggregation Domain of TDP-43. Journal of Physical Chemistry Letters, 2015, 6, 2608-2615.	4.6	64
25	Dynamic nuclear polarization of membrane proteins: covalently bound spin-labels at proteinâ€“protein interfaces. Journal of Biomolecular NMR, 2015, 61, 361-367.	2.8	49
26	Cardiolipin interaction with subunit c of ATP synthase: Solid-state NMR characterization. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 260-265.	2.6	32
27	Inactivation of a Potassium Channel. FASEB Journal, 2015, 29, 95.2.	0.5	0
28	Pf1 bacteriophage hydration by magic angle spinning solid-state NMR. Journal of Chemical Physics, 2014, 141, 22D533.	3.0	20
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	Structural Evidence: A Single Charged Residue Affects Substrate Binding in Cytochrome P450 BM-3. Biochemistry, 2013, 52, 6807-6815.	2.5	11
31	Preparation of uniformly isotope labeled KcsA for solid state NMR: Expression, purification, reconstitution into liposomes and functional assay. Protein Expression and Purification, 2013, 91, 119-124.	1.3	26
32	Characterization of prion-like conformational changes of the neuronal isoform of AplysiaÂCPEB. Nature Structural and Molecular Biology, 2013, 20, 495-501.	8.2	73
33	Detection of slow dynamics by solidâ€state NMR: Application to <scp>L</scp>â€phenylalanine hydrochloride. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2013, 42A, 14-22.	0.5	0
34	ACCEPT-NMR: A New Tool for the Analysis of Crystal Contacts and Their Links to NMR Chemical Shift Perturbations. Journal of Crystallization Process and Technology, 2013, 03, 12-27.	0.6	1
35	Protonation state of E71 in KcsA and its role for channel collapse and inactivation. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15265-15270.	7.1	70
36	The RIP1/RIP3 Necrosome Forms a Functional Amyloid Signaling Complex Required for Programmed Necrosis. Cell, 2012, 150, 339-350.	28.9	968

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37	Quantifying conformational dynamics using solid-state R1Ï•experiments. Journal of Magnetic Resonance, 2012, 222, 1-7.	2.1	36
38	Investigation of slow molecular dynamics using R-CODEX. Journal of Magnetic Resonance, 2012, 222, 74-80.	2.1	10
39	Protein Linewidth and Solvent Dynamics in Frozen Solution NMR. PLoS ONE, 2012, 7, e47242.	2.5	63
40	Functional Model of Metabolite Gating by Human Voltage-Dependent Anion Channel 2. Biochemistry, 2011, 50, 3408-3410.	2.5	42
41	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
42	Suppression of phospholipid biosynthesis by cerulenin in the condensed Single-Protein-Production (cSPP) system. Journal of Biomolecular NMR, 2011, 49, 131-137.	2.8	23
43	Homonuclear mixing sequences for perdeuterated proteins. Journal of Magnetic Resonance, 2011, 208, 122-127.	2.1	24
44	The structure of human ubiquitin in 2â€•methylâ€2,4â€•pentanediol: A new conformational switch. Protein Science, 2011, 20, 630-639.	7.6	44
45	The New York Consortium on Membrane Protein Structure (NYCOMPS): a high-throughput platform for structural genomics of integral membrane proteins. Journal of Structural and Functional Genomics, 2010, 11, 191-199.	1.2	57
46	Intersubunit Hydrophobic Interactions in Pf1 Filamentous Phage. Journal of Biological Chemistry, 2010, 285, 37051-37059.	3.4	31
47	Proteinâ€“ice interaction of an antifreeze protein observed with solid-state NMR. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 17580-17585.	7.1	49
48	Triosephosphate Isomerase: 15N and 13C Chemical Shift Assignments and Conformational Change upon Ligand Binding by Magic-Angle Spinning Solid-State NMR Spectroscopy. Journal of Molecular Biology, 2010, 397, 233-248.	4.2	17
49	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
50	Monitoring conformational dynamics with solid-state R 1Ï•experiments. Journal of Biomolecular NMR, 2009, 45, 5-8.	2.8	30
51	Characterization of slow conformational dynamics in solids: dipolar CODEX. Journal of Biomolecular NMR, 2009, 45, 227-232.	2.8	18
52	Structure and Dynamics of Membrane Proteins by Magic Angle Spinning Solid-State NMR. Annual Review of Biophysics, 2009, 38, 385-403.	10.0	312
53	Partial site-specific assignment of a uniformly 13C, 15N enriched membrane protein, light-harvesting complex 1 (LH1), by solid state NMR. Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, 1098-1108.	1.0	23
54	Solid-State NMR on a Type III Antifreeze Protein in the Presence of Ice. Journal of the American Chemical Society, 2008, 130, 17394-17399.	13.7	33

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55	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
56	Substrate product equilibrium on a reversible enzyme, triosephosphate isomerase. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 2080-2085.	7.1	43
57	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
58	Conformational Dynamics of Substrate in the Active Site of Cytochrome P450 BM-3/NPG Complex:Â Insights from NMR Order Parameters. Journal of the American Chemical Society, 2007, 129, 474-475.	13.7	18
59	Solid-state NMR study and assignments of the KcsA potassium ion channel of S. lividans. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2007, 1774, 1604-1613.	2.3	30
60	Locating hydrogen atoms in single crystal and uniaxially aligned amino acids by solid-state NMR. Journal of Magnetic Resonance, 2007, 185, 12-18.	2.1	2
61	Assignment of congested NMR spectra: Carbonyl backbone enrichment via the Entnerâ€“Doudoroff pathway. Journal of Magnetic Resonance, 2007, 189, 157-165.	2.1	27
62	Solid state NMR: new tools for insight into enzyme function. Current Opinion in Structural Biology, 2007, 17, 617-622.	5.7	61
63	Cytochrome P450 BM-3 in complex with its substrate: Temperature-dependent spin state equilibria in the oxidized and reduced states. Applied Magnetic Resonance, 2007, 31, 411-429.	1.2	4
64	Conformational Flexibility of a Microcrystalline Globular Protein: Order Parameters by Solid-State NMR Spectroscopy. Journal of the American Chemical Society, 2006, 128, 11505-11512.	13.7	120
65	Conformational Equilibrium of Cytochrome P450 BM-3 Complexed withN-Palmitoylglycine:Â A Replica Exchange Molecular Dynamics Study. Journal of the American Chemical Society, 2006, 128, 5786-5791.	13.7	59
66	Order parameters based on13C1H,13C1H2 and13C1H3 heteronuclear dipolar powder patterns: a comparison of MAS-based solid-state NMR sequences. Magnetic Resonance in Chemistry, 2006, 44, 334-347.	1.9	58
67	Homo-nuclear 13C J-decoupling in uniformly 13C-enriched solid proteins. Journal of Magnetic Resonance, 2005, 175, 11-20.	2.1	17
68	Structure determination of aligned systems by solid-state NMR magic angle spinning methods. Journal of Magnetic Resonance, 2005, 176, 223-233.	2.1	5
69	Observation of Ligand Binding to Cytochrome P450 BM-3 by Means of Solid-State NMR Spectroscopy. Journal of the American Chemical Society, 2005, 127, 13816-13821.	13.7	82
70	Protein Structure Determination by High-Resolution Solid-State NMR Spectroscopy:Â Application to Microcrystalline Ubiquitin. Journal of the American Chemical Society, 2005, 127, 8618-8626.	13.7	210
71	Thermal Equilibrium of High- and Low-Spin Forms of Cytochrome P450 BM-3:Â Repositioning of the Substrate?. Journal of the American Chemical Society, 2005, 127, 13548-13552.	13.7	70
72	Structural and dynamic studies of proteins by solid-state NMR spectroscopy: rapid movement forward. Current Opinion in Structural Biology, 2004, 14, 554-561.	5.7	148

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73	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
74	Assignment of the Backbone Resonances for Microcrystalline Ubiquitin. Journal of the American Chemical Society, 2004, 126, 5323-5331.	13.7	136
75	Assignments of Carbon NMR Resonances for Microcrystalline Ubiquitin. Journal of the American Chemical Society, 2004, 126, 6720-6727.	13.7	187
76	Characterization of Proteinâ^'Ligand Interactions by High-Resolution Solid-State NMR Spectroscopy. Journal of the American Chemical Society, 2004, 126, 13948-13953.	13.7	44
77	Computational Modeling of the Catalytic Reaction in Triosephosphate Isomerase. Journal of Molecular Biology, 2004, 337, 227-239.	4.2	78
78	Improvement of resolution in solid state NMR spectra with J-decoupling: an analysis of lineshape contributions in uniformly 13C-enriched amino acids and proteins. Journal of Magnetic Resonance, 2003, 164, 270-285.	2.1	32
79	Active Site Loop Motion in Triosephosphate Isomerase:Â T-Jump Relaxation Spectroscopy of Thermal Activationâ€. Biochemistry, 2003, 42, 2941-2951.	2.5	91
80	Ionic States of Substrates and Transition State Analogues at the Catalytic Sites ofN-Ribosyltransferasesâ€. Biochemistry, 2003, 42, 5694-5705.	2.5	41
81	Optimal alignment for enzymatic proton transfer: Structure of the Michaelis complex of triosephosphate isomerase at 1.2-A resolution. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 50-55.	7.1	136
82	Solid State NMR Studies of Uniformly Isotopically Enriched Proteins. , 2002, , 103-120.		1
83	A 2D MAS solid-state NMR method to recover the amplified heteronuclear dipolar and chemical shift anisotropic interactions. Journal of Magnetic Resonance, 2002, 158, 23-35.	2.1	18
84	An iron(III)trichloride adduct of N-isopropylsalicylaldimine: preparation, X-ray structure and NMR spectroscopic characterization. Inorganic Chemistry Communication, 2002, 5, 283-287.	3.9	3
85	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
86	Solution-state NMR investigations of triosephosphate isomerase active site loop motion: ligand release in relation to active site loop dynamics11Edited by P. E. Wright. Journal of Molecular Biology, 2001, 310, 271-280.	4.2	170
87	N?H bond stretching in histidine complexes: a solid-state NMR study. Magnetic Resonance in Chemistry, 2001, 39, S30-S36.	1.9	32
88	Proton transfer dynamics and N?H bond lengthening in N?Hï¿½ï¿½ï¿½N model systems: a solid-state NMR study. Magnetic Resonance in Chemistry, 2001, 39, S37-S43.	1.9	27
89	Measurement of Interfluorine Distances in Solids. Journal of Magnetic Resonance, 2001, 152, 1-6.	2.1	46
90	Dipolar Interactions in Molecules Aligned by Strong AC Electric Fields. Journal of Magnetic Resonance, 2000, 147, 104-109.	2.1	11

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91	Partial NMR assignments for uniformly (13C, 15N)-enriched BPTI in the solid state. Journal of Biomolecular NMR, 2000, 16, 209-219.	2.8	232
92	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. Journal of the American Chemical Society, 2000, 122, 11649-11659.	13.7	26
93	Oxygen and Structural Effects on Silicalite29Si Spinâ^'Lattice Relaxation Studied by High-Resolution29Si Solid-State NMR. Chemistry of Materials, 2000, 12, 731-737.	6.7	8
94	Design and preparation of polyphenyl distance markers for solid-state19F NMR. Israel Journal of Chemistry, 2000, 40, 301-306.	2.3	5
95	Effects of Hydrogen Bonding on 1H Chemical Shifts. ACS Symposium Series, 1999, , 177-193.	0.5	11
96	Solid-State15N 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
97	Lineshape Fitting of Deuterium Magic Angle Spinning Spectra of Paramagnetic Compounds in Slow and Fast Limit Motion Regimes. Journal of the American Chemical Society, 1999, 121, 6884-6894.	13.7	59
98	NMR Spectroscopy in the Presence of Strong Ac Electric Fields:Â Degree of Alignment of Polar Molecules. Journal of Physical Chemistry A, 1999, 103, 8604-8611.	2.5	17
99	Deuterium Magic Angle Spinning Studies of Substrates Bound to Cytochrome P450â€. Biochemistry, 1999, 38, 10808-10813.	2.5	52
100	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
101	Solid State NMR Studies of Hydrogen Bonding in a Citrate Synthase Inhibitor Complexâ€. Biochemistry, 1999, 38, 8022-8031.	2.5	35
102	A branch and bound algorithm for protein structure refinement from sparse NMR data sets 1 1Edited by F. Cohen. Journal of Molecular Biology, 1999, 285, 1691-1710.	4.2	31
103	Tertiary structure prediction of mixed Î±/Î² proteins via energy minimization. Proteins: Structure, Function and Bioinformatics, 1998, 33, 240-252.	2.6	19
104	Solid state NMR studies of photoinduced polarization in photosynthetic reaction centers: mechanism and simulations. Solid State Nuclear Magnetic Resonance, 1998, 11, 21-47.	2.3	56
105	Solid-State Deuterium NMR of Imidazole Ligands in CytochromecPeroxidase. Journal of the American Chemical Society, 1998, 120, 10199-10202.	13.7	41
106	Variable NMR Spinâ^'Lattice Relaxation Times in Secondary Amides:â€‰ Effect of Ramachandran Angles on Librational Dynamics. Journal of Physical Chemistry B, 1998, 102, 6248-6259.	2.6	15
107	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
108	Conformation of the Trypanocidal Pharmaceutical Suramin in Its Free and Bound Forms:Â Transferred Nuclear Overhauser Studiesâ€. Biochemistry, 1997, 36, 14202-14217.	2.5	13

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109	Nuclear Magnetic Resonance Studies of Biopolymer Dynamics. The Journal of Physical Chemistry, 1996, 100, 13293-13310.	2.9	310
110	Hydrogen Bonding and Distance Studies of Amino Acids and Peptides Using Solid State 2D 1Hâ”13C Heteronuclear Correlation Spectra. Journal of the American Chemical Society, 1996, 118, 822-829.	13.7	70
111	Photochemically Induced Nuclear Spin Polarization in Bacterial Photosynthetic Reaction Centers:Â Assignments of the15N SSNMR Spectraâ€,â€¡. Journal of the American Chemical Society, 1996, 118, 5867-5873.	13.7	59
112	Natural abundance solid-state carbon NMR studies of photosynthetic reaction centers with photoinduced polarization.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 6857-6860.	7.1	49
113	Hydrogen bonding effects on amine rotation rates in crystalline amino acids. Solid State Nuclear Magnetic Resonance, 1996, 7, 161-172.	2.3	52
114	A Spectrometer for Dynamic Nuclear Polarization and Electron Paramagnetic Resonance at High Frequencies. Journal of Magnetic Resonance Series A, 1995, 117, 28-40.	1.6	163
115	Carbon-13 chemical shift tensors of carboxylic acids: GIAO calculations in acetic acid + methylamine dimer. Molecular Physics, 1995, 86, 865-872.	1.7	37
116	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
117	Dynamics of the Flexible Loop of Triose-Phosphate Isomerase: The Loop Motion Is Not Ligand Gated. Biochemistry, 1995, 34, 8309-8319.	2.5	185
118	Synthesis of (1, 2-13C2) 2-phosphoglycolic acid. Journal of Labelled Compounds and Radiopharmaceuticals, 1994, 34, 735-740.	1.0	6
119	Photochemically Induced Dynamic Nuclear Polarization in the Solid-State 15N Spectra of Reaction Centers from Photosynthetic Bacteria Rhodobacter sphaeroides R-26. Journal of the American Chemical Society, 1994, 116, 8362-8363.	13.7	124
120	A Method for Dihedral Angle Measurement in Solids: Rotational Resonance NMR of a Transition-State Inhibitor of Triose Phosphate Isomerase. Journal of the American Chemical Society, 1994, 116, 8766-8771.	13.7	47
121	Hydrogen Bonding of Carboxyl Groups in Solid-State Amino Acids and Peptides: Comparison of Carbon Chemical Shielding, Infrared Frequencies, and Structures. Journal of the American Chemical Society, 1994, 116, 6368-6372.	13.7	164
122	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. Biochemistry, 1994, 33, 3280-3286.	2.5	63
123	Chemical shielding anisotropy of protonated and deprotonated carboxylates in amino acids. Journal of the American Chemical Society, 1993, 115, 4282-4285.	13.7	89
124	Cis-trans energetics in urea and acetamide studied by deuterium NMR. The Journal of Physical Chemistry, 1993, 97, 12393-12398.	2.9	37
125	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
126	Reactivity of tunichromes: reduction of vanadium(V) and vanadium(IV) to vanadium(III) at neutral pH. Journal of the American Chemical Society, 1992, 114, 9659-9660.	13.7	26

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127	Pulsed dynamic nuclear polarization at 5 T. Chemical Physics Letters, 1992, 189, 54-59.	2.6	37
128	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
129	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
130	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. Biochemistry, 1990, 29, 471-485.	2.5	121
131	X-ray absorption spectroscopy of Mn in the photosynthetic apparatus. Physica B: Condensed Matter, 1989, 158, 78-80.	2.7	6
132	EXAFS structural study of FX, the low-potential iron-sulfur center in photosystem I. Biochemistry, 1989, 28, 8056-8059.	2.5	44
133	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
134	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. Biochimica Et Biophysica Acta - Bioenergetics, 1987, 893, 149-160.	1.0	42
135	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. Biochimica Et Biophysica Acta - Bioenergetics, 1987, 891, 94-98.	1.0	36
136	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. Biochimica Et Biophysica Acta - Bioenergetics, 1987, 890, 395-398.	1.0	59
137	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. Biochemistry, 1987, 26, 5974-5981.	2.5	137
138	Structure of the manganese complex of photosystem II upon removal of the 33-kilodalton extrinsic protein: an x-ray absorption spectroscopy study. Biochemistry, 1987, 26, 5967-5973.	2.5	43
139	X-Ray Absorption Spectroscopy of Manganese and Iron in the Photosynthetic Apparatus. Springer Series in Biophysics, 1987, , 223-230.	0.4	0
140	The state of manganese in the photosynthetic apparatus. Biochimica Et Biophysica Acta - Bioenergetics, 1986, 850, 324-332.	1.0	104
141	Additions and Corrections - 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, 1908-1908.	13.7	0
142	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