

# Sandra S Eaton

## List of Publications by Year in descending order

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222  
papers

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87723

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155451

55  
g-index

235  
all docs

235  
docs citations

235  
times ranked

3716  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative EPR. , 2010, , .		278
2	Chemistry and Insulin-Mimetic Properties of Bis(acetylacetonate)oxovanadium(IV) and Derivatives1. Inorganic Chemistry, 2000, 39, 406-416.	1.9	180
3	Organic Radical Contrast Agents for Magnetic Resonance Imaging. Journal of the American Chemical Society, 2012, 134, 15724-15727.	6.6	152
4	Dephasing of electron spin echoes for nitroxyl radicals in glassy solvents by non-methyl and methyl protons. Molecular Physics, 1998, 95, 1255-1263.	0.8	149
5	Interaction of Radical Pairs Through-Bond and Through-Space: Scope and Limitations of the Pointâ€”Dipole Approximation in Electron Paramagnetic Resonance Spectroscopy. Journal of the American Chemical Society, 2009, 131, 10092-10106.	6.6	116
6	Frequency (250MHz to 9.2GHz) and viscosity dependence of electron spin relaxation of triarylmethyl radicals at room temperature. Journal of Magnetic Resonance, 2005, 172, 168-175.	1.2	98
7	Room-Temperature Distance Measurements of Immobilized Spin-Labeled Protein by DEER/PELDOR. Biophysical Journal, 2015, 108, 1213-1219.	0.2	93
8	Direct-detected rapid-scan EPR at 250MHz. Journal of Magnetic Resonance, 2004, 170, 127-135.	1.2	89
9	Interaction of spin labels with transition metals. Coordination Chemistry Reviews, 1988, 83, 29-72.	9.5	86
10	Electron Spin Relaxation of Triarylmethyl Radicals in Fluid Solution. Journal of Magnetic Resonance, 2001, 152, 156-161.	1.2	82
11	Rapid-scan EPR with triangular scans and fourier deconvolution to recover the slow-scan spectrum. Journal of Magnetic Resonance, 2005, 175, 44-51.	1.2	78
12	Impact of Electronâ€”Electron Spin Interaction on Electron Spin Relaxation of Nitroxide Diradicals and Tetraradical in Glassy Solvents Between 10 and 300 K. Journal of Physical Chemistry B, 2008, 112, 2818-2828.	1.2	75
13	Pulsed EPR spectrometer. Review of Scientific Instruments, 1987, 58, 1709-1723.	0.6	72
14	Conformational Basis for Asymmetric Seeding Barrier in Filaments of Three- and Four-Repeat Tau. Journal of the American Chemical Society, 2012, 134, 10271-10278.	6.6	63
15	<b>A Spirocyclohexyl Nitroxide Amino Acid Spin Label for Pulsed EPR Spectroscopy Distance Measurements</b>. Chemistry - A European Journal, 2010, 16, 5778-5782.	1.7	62
16	Saturation recovery electron paramagnetic resonance spectrometer. Review of Scientific Instruments, 1992, 63, 4251-4262.	0.6	61
17	Electron spinâ€”lattice relaxation of nitroxyl radicals in temperature ranges that span glassy solutions to low-viscosity liquids. Journal of Magnetic Resonance, 2008, 191, 66-77.	1.2	58
18	A pulsed and continuous wave 250 MHz electron paramagnetic resonance spectrometer. Concepts in Magnetic Resonance, 2002, 15, 59-91.	1.3	55

#	ARTICLE	IF	CITATIONS
19	Deconvolution of sinusoidal rapid EPR scans. <i>Journal of Magnetic Resonance</i> , 2011, 208, 279-283.	1.2	54
20	Orientation of the Tetranuclear Manganese Cluster and Tyrosine Z in the O <sub>2</sub> -Evolving Complex of Photosystem II: An EPR Study of the S <sub>2</sub> YZ State in Oriented Acetate-Inhibited Photosystem II Membranes. <i>Biochemistry</i> , 1999, 38, 12758-12767.	1.2	53
21	Use of Rapid-Scan EPR to Improve Detection Sensitivity for Spin-Trapped Radicals. <i>Biophysical Journal</i> , 2013, 105, 338-342.	0.2	53
22	Asp537 and Asp812 in Bacteriophage T7 RNA Polymerase as Metal Ion-Binding Sites Studied by EPR, Flow-Dialysis, and Transcription. <i>Biochemistry</i> , 1996, 35, 144-152.	1.2	52
23	Easily Tunable Crossed-Loop (Bimodal) EPR Resonator. <i>Journal of Magnetic Resonance Series A</i> , 1996, 122, 50-57.	1.6	50
24	Electron Spin Relaxation in Vanadyl, Copper(II), and Silver(II) Porphyrins in Glassy Solvents and Doped Solids. <i>Journal of Magnetic Resonance Series A</i> , 1996, 119, 240-246.	1.6	48
25	Enhanced Signal Intensities Obtained by Out-of-Phase Rapid-Passage EPR for Samples with Long Electron Spin Relaxation Times. <i>Journal of Magnetic Resonance</i> , 2002, 156, 41-51.	1.2	48
26	Electron spin relaxation of copper(II) complexes in glassy solution between 10 and 120K. <i>Journal of Magnetic Resonance</i> , 2006, 179, 92-104.	1.2	48
27	Electron spin lattice relaxation mechanisms of rapidly-tumbling nitroxide radicals. <i>Journal of Magnetic Resonance</i> , 2013, 236, 47-56.	1.2	48
28	Imaging thiol redox status in murine tumors in vivo with rapid-scan electron paramagnetic resonance. <i>Journal of Magnetic Resonance</i> , 2017, 276, 31-36.	1.2	48
29	X-band rapid-scan EPR of samples with long electron spin relaxation times: a comparison of continuous wave, pulse and rapid-scan EPR. <i>Molecular Physics</i> , 2013, 111, 2664-2673.	0.8	47
30	Substitutional n-Type Doping of an Organic Semiconductor Investigated by Electron Paramagnetic Resonance Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2004, 108, 17329-17336.	1.2	46
31	X-band rapid-scan EPR of nitroxyl radicals. <i>Journal of Magnetic Resonance</i> , 2012, 214, 221-226.	1.2	45
32	Frequency Dependence of Electron Spin Relaxation of Nitroxyl Radicals in Fluid Solution. <i>Journal of Physical Chemistry B</i> , 2004, 108, 9475-9481.	1.2	44
33	A 1.2 GHz pulsed and continuous wave electron paramagnetic resonance spectrometer. <i>Review of Scientific Instruments</i> , 1996, 67, 2514-2527.	0.6	43
34	250 MHz crossed-loop resonator for pulsed electron paramagnetic resonance. <i>Concepts in Magnetic Resonance</i> , 2002, 15, 37-46.	1.3	42
35	Electron spin echo decay as a probe of aminoxyl environment in spin-labeled mutants of human carbonic anhydrase II. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1997, , 2549-2554.	0.9	41
36	Relaxation times and line widths of isotopically-substituted nitroxides in aqueous solution at X-band. <i>Journal of Magnetic Resonance</i> , 2011, 212, 370-377.	1.2	41

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37	Magnet and gradient coil system for low-field EPR imaging. <i>Concepts in Magnetic Resonance</i> , 2002, 15, 51-58.	1.3	40
38	Electron Spin-Lattice Relaxation Processes of Radicals in Irradiated Crystalline Organic Compounds. <i>Journal of Physical Chemistry A</i> , 2003, 107, 598-610.	1.1	40
39	Determination of High-Spin Iron(III) Nitroxyl Distances in Spin-Labeled Porphyrins by Time-Domain EPR. <i>Journal of Magnetic Resonance</i> , 1998, 131, 97-110.	1.2	39
40	Mycofactocin biosynthesis: modification of the peptide MftA by the radical S-adenosylmethionine protein MftC. <i>FEBS Letters</i> , 2016, 590, 2538-2548.	1.3	39
41	Single Mutations in Tau Modulate the Populations of Fibril Conformers through Seed Selection. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1590-1593.	7.2	38
42	Spectral-spatial two-dimensional EPR imaging. <i>Journal of Magnetic Resonance</i> , 1987, 72, 449-455.	0.5	37
43	Comparison of maximum entropy and filtered back-projection methods to reconstruct rapid-scan EPR images. <i>Journal of Magnetic Resonance</i> , 2007, 184, 157-168.	1.2	35
44	Impact of Mutations on the Midpoint Potential of the [4Fe-4S] <sup>+1,+2</sup> Cluster and on Catalytic Activity in Electron Transfer Flavoprotein-ubiquinone Oxidoreductase (ETF-QO). <i>Biochemistry</i> , 2008, 47, 92-100.	1.2	35
45	Comparison of continuous wave, spin echo, and rapid scan EPR of irradiated fused quartz. <i>Radiation Measurements</i> , 2011, 46, 993-996.	0.7	35
46	Ligand-Induced Conformational Change in the Ferric Enterobactin Receptor FepA As Studied by Site-Directed Spin Labeling and Time-Domain ESR. <i>Biochemistry</i> , 1998, 37, 9016-9023.	1.2	34
47	Relaxation rates for spirocyclohexyl nitroxyl radicals are suitable for interspin distance measurements at temperatures up to about 125 K. <i>Chemical Communications</i> , 2009, , 454-456.	2.2	34
48	The effects of lossy solvents on quantitative EPR studies. <i>Journal of Magnetic Resonance</i> , 1981, 44, 415-428.	0.5	33
49	Orientation Dependence of Electron Spin Phase Memory Relaxation Times in Copper(II) and Vanadyl Complexes in Frozen Solution. <i>Israel Journal of Chemistry</i> , 1992, 32, 351-355.	1.0	33
50	Digital EPR with an arbitrary waveform generator and direct detection at the carrier frequency. <i>Journal of Magnetic Resonance</i> , 2011, 213, 119-25.	1.2	33
51	Three-dimensional EPR imaging with one spectral and two spatial dimensions. <i>Chemical Physics Letters</i> , 1987, 142, 567-569.	1.2	32
52	Introduction to EPR imaging using magnetic-field gradients. <i>Concepts in Magnetic Resonance</i> , 1995, 7, 49-67.	1.3	32
53	Interspin distances determined by time domain EPR of spin-labeled high-spin methemoglobin. <i>Inorganica Chimica Acta</i> , 1998, 273, 354-366.	1.2	32
54	An L-Band Crossed-Loop (Bimodal) EPR Resonator. <i>Journal of Magnetic Resonance</i> , 2000, 144, 85-88.	1.2	32

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55	Corrections for sinusoidal background and non-orthogonality of signal channels in sinusoidal rapid magnetic field scans. <i>Journal of Magnetic Resonance</i> , 2012, 223, 80-84.	1.2	32
56	Frequency Dependence of EPR Signal Intensity, 250 MHz to 9.1 GHz. <i>Journal of Magnetic Resonance</i> , 2002, 156, 113-121.	1.2	30
57	Electron Spin Relaxation and Heterogeneity of the 1:1 $\hat{1}\pm, \hat{1}^3$ -Bisdiphenylene- $\hat{1}^2$ -phenylallyl (BDPA)/Benzene Complex. <i>Journal of Physical Chemistry B</i> , 2011, 115, 7986-7990.	1.2	30
58	A resonated coil driver for rapid scan EPR. <i>Concepts in Magnetic Resonance Part B</i> , 2012, 41B, 95-110.	0.3	30
59	Fracture and Growth Are Competing Forces Determining the Fate of Conformers in Tau Fibril Populations. <i>Journal of Biological Chemistry</i> , 2016, 291, 12271-12281.	1.6	30
60	Comparison of electron spin relaxation times measured by Carr- $\hat{1}$ Purcell- $\hat{1}$ Meiboom- $\hat{1}$ Gill and two-pulse spin-echo sequences. <i>Journal of Magnetic Resonance</i> , 2003, 164, 44-53.	1.2	29
61	Imaging of nitroxides at 250MHz using rapid-scan electron paramagnetic resonance. <i>Journal of Magnetic Resonance</i> , 2014, 242, 162-168.	1.2	29
62	Rapid-scan EPR imaging. <i>Journal of Magnetic Resonance</i> , 2017, 280, 140-148.	1.2	29
63	Temperature and Orientation Dependence of Electron-Spin Relaxation Rates for Bis(diethyldithiocarbamate)copper(II). <i>Journal of Magnetic Resonance Series A</i> , 1995, 117, 67-72.	1.6	28
64	Dispersion and Superheterodyne EPR Using a Bimodal Resonator. <i>Journal of Magnetic Resonance Series A</i> , 1996, 122, 58-63.	1.6	28
65	Frequency Dependence of EPR Signal Intensity, 248 MHz to 1.4 GHz. <i>Journal of Magnetic Resonance</i> , 2002, 154, 80-84.	1.2	27
66	Three approaches to spectral-spatial EPR imaging. <i>International Journal of Radiation Applications and Instrumentation Part A, Applied Radiation and Isotopes</i> , 1989, 40, 1227-1231.	0.5	26
67	From Planar Toward Tetrahedral Copper(II) Complexes: Structural and Electron Paramagnetic Resonance Studies of Substituent Steric Effects in an Extended Class of Pyrrolate-Imine Ligands. <i>Journal of Coordination Chemistry</i> , 2003, 56, 975-993.	0.8	26
68	Combining absorption and dispersion signals to improve signal-to-noise for rapid-scan EPR imaging. <i>Journal of Magnetic Resonance</i> , 2010, 203, 305-310.	1.2	26
69	Calix[4]arene nitroxide tetradical and octaradical. <i>Chemical Communications</i> , 2011, 47, 6443.	2.2	26
70	Rapid frequency scan EPR. <i>Journal of Magnetic Resonance</i> , 2011, 211, 156-161.	1.2	26
71	Expression of human electron transfer flavoprotein-ubiquinone oxidoreductase from a baculovirus vector: kinetic and spectral characterization of the human protein. <i>Biochemical Journal</i> , 2002, 364, 659-667.	1.7	25
72	A linear magnetic field scan driver. <i>Concepts in Magnetic Resonance Part B</i> , 2009, 35B, 44-58.	0.3	25

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73	Background removal procedure for rapid scan EPR. <i>Journal of Magnetic Resonance</i> , 2009, 196, 48-53.	1.2	25
74	Spectroscopic and Electrochemical Characterization of the Mycofactocin Biosynthetic Protein, MftC, Provides Insight into Its Redox Flipping Mechanism. <i>Biochemistry</i> , 2019, 58, 940-950.	1.2	25
75	The Iron <sup>2+</sup> Sulfur Cluster of Electron Transfer Flavoprotein <sup>+</sup> Ubiquinone Oxidoreductase Is the Electron Acceptor for Electron Transfer Flavoprotein. <i>Biochemistry</i> , 2008, 47, 8894-8901.	1.2	24
76	A wire <sup>+</sup> crossed <sup>+</sup> loop resonator for rapid scan EPR. <i>Concepts in Magnetic Resonance Part B</i> , 2010, 37B, 86-91.	0.3	24
77	Synthesis of a Pyridinium Bis[citrato(2 <sup>-</sup> )]oxochromate(V) Complex and Its Ligand-Exchange Reactions. <i>Inorganic Chemistry</i> , 2003, 42, 6458-6468.	1.9	23
78	Improved Sensitivity for Imaging Spin Trapped Hydroxyl Radical at 250 MHz. <i>ChemPhysChem</i> , 2015, 16, 528-531.	1.0	23
79	Counterion influence on dynamic spin properties in a V( <sup>IV</sup> ) complex. <i>Chemical Science</i> , 2019, 10, 548-555.	3.7	23
80	Uncertainty analysis for absorption and first-derivative electron paramagnetic resonance spectra. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2012, 40A, 295-305.	0.2	22
81	Phenyl ring rotation in metal complexes of tetraphenylporphyrin derivatives. <i>Journal of the Chemical Society Chemical Communications</i> , 1974, , 576.	2.0	21
82	Multifrequency electron paramagnetic resonance of irradiated l-alanine. <i>Applied Radiation and Isotopes</i> , 1996, 47, 1235-1239.	0.7	21
83	Electron spin <sup>+</sup> lattice relaxation in radicals containing two methyl groups, generated by <sup>13</sup> C-irradiation of polycrystalline solids. <i>Journal of Magnetic Resonance</i> , 2002, 159, 195-206.	1.2	21
84	DEER Distance Measurement Between a Spin Label and a Native FAD Semiquinone in Electron Transfer Flavoprotein. <i>Journal of the American Chemical Society</i> , 2009, 131, 15978-15979.	6.6	21
85	Reconstruction of the first-derivative EPR spectrum from multiple harmonics of the field-modulated continuous wave signal. <i>Journal of Magnetic Resonance</i> , 2011, 209, 277-281.	1.2	21
86	Nitroxide Radicals@US <sup>+</sup> Tubes: New Spin Labels for Biomedical Applications. <i>Advanced Functional Materials</i> , 2012, 22, 3691-3698.	7.8	21
87	Remote delivery of hydroxyl radicals via secondary chemistry of a nonthermal plasma effluent. <i>Biotechnology and Bioengineering</i> , 2013, 110, 1936-1944.	1.7	21
88	X-band Electron Spin Relaxation Times for Four Aromatic Radicals in Fluid Solution and Comparison with Other Organic Radicals. <i>Applied Magnetic Resonance</i> , 2014, 45, 993-1007.	0.6	21
89	Rapid-scan EPR of immobilized nitroxides. <i>Journal of Magnetic Resonance</i> , 2014, 247, 67-71.	1.2	21
90	Synthesis and Electron Spin Relaxation of Tetracarboxylate Pyrroline Nitroxides. <i>Journal of Organic Chemistry</i> , 2017, 82, 1538-1544.	1.7	21

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91	Gadolinium-Loaded Viral Capsids as Magnetic Resonance Imaging Contrast Agents. <i>Applied Magnetic Resonance</i> , 2015, 46, 349-355.	0.6	20
92	Loop-Gap Resonators. , 2005, , 19-52.		19
93	Electron spin relaxation rates for semiquinones between 25 and 295K in glass-forming solvents. <i>Journal of Magnetic Resonance</i> , 2009, 198, 111-120.	1.2	19
94	Quantitative rapid scan EPR spectroscopy at 258MHz. <i>Journal of Magnetic Resonance</i> , 2010, 205, 23-27.	1.2	19
95	Imaging disulfide dinitroxides at 250 MHz to monitor thiol redox status. <i>Journal of Magnetic Resonance</i> , 2015, 260, 77-82.	1.2	19
96	A spin-label study of the disposition of the Fe-S cluster with respect to the active center of aconitase. <i>BBA - Proteins and Proteomics</i> , 1983, 745, 229-236.	2.1	18
97	Electron spin relaxation of radicals in irradiated tooth enamel and synthetic hydroxyapatite. <i>Radiation Measurements</i> , 2007, 42, 997-1004.	0.7	18
98	A signal-to-noise standard for pulsed EPR. <i>Journal of Magnetic Resonance</i> , 2010, 205, 109-113.	1.2	18
99	Frequency dependence of electron spin relaxation times in aqueous solution for a nitronyl nitroxide radical and perdeuterated-tempone between 250MHz and 34GHz. <i>Journal of Magnetic Resonance</i> , 2012, 225, 52-57.	1.2	18
100	New spectral-spatial imaging algorithm for full EPR spectra of multiline nitroxides and pH sensitive trityl radicals. <i>Journal of Magnetic Resonance</i> , 2014, 245, 150-155.	1.2	18
101	Electron Spin-Lattice Relaxation Rates for High-Spin Fe(III) Complexes in Glassy Solvents at Temperatures between 6 and 298 K. <i>Journal of Magnetic Resonance</i> , 2000, 144, 115-122.	1.2	17
102	Electron spin relaxation enhancement measurements of interspin distances in human, porcine, and <i>Rhodobacter</i> electron transfer flavoprotein-ubiquinone oxidoreductase (ETF-QO). <i>Journal of Magnetic Resonance</i> , 2008, 190, 222-232.	1.2	17
103	Continuous wave electron paramagnetic resonance of nitroxide biradicals in fluid solution. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2018, 47A, e21426.	0.2	17
104	Reconstruction of spectral-spatial two-dimensional EPR images from incomplete sets of projections without prior knowledge of the component spectra. <i>Journal of Magnetic Resonance</i> , 1988, 77, 75-83.	0.5	16
105	Regularized optimization (RO) reconstruction for oximetric EPR imaging. <i>Journal of Magnetic Resonance</i> , 2008, 194, 212-221.	1.2	16
106	Electron-Electron Distances in Spin-Labeled Low-Spin Metmyoglobin Variants by Relaxation Enhancement. <i>Biophysical Journal</i> , 2008, 95, 5306-5316.	0.2	16
107	Enhancement of electron spin relaxation rates of metalloporphyrins due to interaction with a faster relaxing metal bound to an appended bipyridyl. <i>Inorganica Chimica Acta</i> , 1997, 263, 23-33.	1.2	15
108	Electron Spin Relaxation in Chromium-Nitrosyl Complexes. <i>Inorganic Chemistry</i> , 1999, 38, 3529-3534.	1.9	15

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109	Characterization of titanium dopants in sodium alanate by electron paramagnetic resonance spectroscopy. <i>Journal of Materials Research</i> , 2005, 20, 3265-3269.	1.2	15
110	A general purpose Qâ€measuring circuit using pulse ringâ€down. <i>Concepts in Magnetic Resonance Part B</i> , 2011, 39B, 43-46.	0.3	15
111	The world as viewed by and with unpaired electrons. <i>Journal of Magnetic Resonance</i> , 2012, 223, 151-163.	1.2	15
112	Electron spin relaxation times and rapid scan EPR imaging of pHâ€sensitive aminoâ€substituted trityl radicals. <i>Magnetic Resonance in Chemistry</i> , 2015, 53, 280-284.	1.1	15
113	Field-stepped direct detection electron paramagnetic resonance. <i>Journal of Magnetic Resonance</i> , 2015, 258, 58-64.	1.2	15
114	Measurement of T1e, T1N, T1HE, T2e, and T2HE by Pulse EPR at X-Band for Nitroxides at Concentrations Relevant to Solution DNP. <i>Applied Magnetic Resonance</i> , 2018, 49, 1235-1251.	0.6	15
115	Electron-spin relaxation times of chromium(V). <i>Journal of Magnetic Resonance</i> , 1992, 98, 81-91.	0.5	14
116	Dependence of electron paramagnetic resonance spectral lineshapes on molecular tumbling: Nitroxide radical in water:glycerol mixtures. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2016, 45A, .	0.2	14
117	Electron transfer flavoprotein domain II orientation monitored using double electronâ€electron resonance between an enzymatically reduced, native FAD cofactor, and spin labels. <i>Protein Science</i> , 2011, 20, 610-620.	3.1	13
118	Electron spin-echo-detected EPR imaging. <i>Journal of Magnetic Resonance</i> , 1986, 67, 73-77.	0.5	12
119	Temperature and orientation dependence of electron spin relaxation in molybdenum(V) porphyrins. <i>Magnetic Resonance in Chemistry</i> , 1995, 33, S66-S69.	1.1	12
120	Electron Spin Relaxation and Biochemical Characterization of the Hydrogenase Maturase HydF: Insights into [2Fe-2S] and [4Fe-4S] Cluster Communication and Hydrogenase Activation. <i>Biochemistry</i> , 2017, 56, 3234-3247.	1.2	12
121	Determination of depth profiles of Eâ€ defects in irradiated vitreous silica by electron paramagneticâ€resonance imaging. <i>Journal of Applied Physics</i> , 1995, 77, 790-794.	1.1	11
122	Multiharmonic electron paramagnetic resonance for extended samples with both narrow and broad lines. <i>Journal of Magnetic Resonance</i> , 2015, 254, 86-92.	1.2	10
123	Resonators for In Vivo Imaging: Practical Experience. <i>Applied Magnetic Resonance</i> , 2017, 48, 1227-1247.	0.6	10
124	<sup>13</sup> C isotope enrichment of the central trityl carbon decreases fluid solution electron spin relaxation times. <i>Journal of Magnetic Resonance</i> , 2020, 318, 106797.	1.2	10
125	[Cr(oxalate) <sub>3</sub> ] <sup>3-</sup> as a broadening agent in nitroxyl spin probe studies. <i>Journal of the Chemical Society Chemical Communications</i> , 1978, , 944.	2.0	9
126	Spectralâ€spatial e.s.r. imaging of portions of spectra of paramagnetic metals. <i>Journal of the Chemical Society Chemical Communications</i> , 1988, , 61-62.	2.0	9



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127	Use of the Frank sequence in pulsed EPR. <i>Journal of Magnetic Resonance</i> , 2011, 209, 306-309.	1.2	9
128	EPR imaging. <i>Journal of Magnetic Resonance</i> , 1984, 59, 474-477.	0.5	8
129	Photo-Enhanced Production of the Spin Adduct 5,5-Dimethyl-1-pyrroline-N-oxide/ $\hat{A}$ -OH in Aqueous Menadione Solutions. <i>Archives of Biochemistry and Biophysics</i> , 1996, 329, 221-227.	1.4	8
130	Design of a programmable timing unit. <i>Review of Scientific Instruments</i> , 1999, 70, 4422-4432.	0.6	8
131	Digitally generated excitation and near-baseband quadrature detection of rapid scan EPR signals. <i>Journal of Magnetic Resonance</i> , 2014, 249, 126-134.	1.2	8
132	Rapid Scan Electron Paramagnetic Resonance Opens New Avenues for Imaging Physiologically Important Parameters &lt;em>&gt;In Vivo&lt;/em>. <i>Journal of Visualized Experiments</i> , 2016, , .	0.2	8
133	Rapid scan electron paramagnetic resonance at 1.0 $\hat{A}$ GHz of defect centers in $\hat{I}^3$ -irradiated organic solids. <i>Radiation Measurements</i> , 2016, 85, 57-63.	0.7	8
134	Background correction in rapid scan EPR spectroscopy. <i>Journal of Magnetic Resonance</i> , 2018, 293, 1-8.	1.2	8
135	Structural insights for vanadium catecholates and iron $\hat{C}$ sulfur clusters obtained from multiple data analysis methods applied to electron spin relaxation data. <i>Journal of Inorganic Biochemistry</i> , 2019, 201, 110806.	1.5	8
136	Identification of a poly-cyclopropylglycine $\hat{C}$ containing peptide via bioinformatic mapping of radical S-adenosylmethionine enzymes. <i>Journal of Biological Chemistry</i> , 2022, 298, 101881.	1.6	8
137	Design of magnetic-field gradient coils for imaging. <i>Computers in Physics</i> , 1992, 6, 656.	0.6	7
138	EPR at work: Part 1. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2006, 28A, 1-25.	0.2	7
139	Electron Spin Relaxation in $\alpha$ -Lithium Phthalocyanine. <i>Journal of Physical Chemistry B</i> , 2007, 111, 7972-7977.	1.2	7
140	A very fast switched $\hat{C}$ attenuator circuit for microwave and RF applications. <i>Concepts in Magnetic Resonance Part B</i> , 2010, 37B, 39-44.	0.3	7
141	Use of polyphase continuous excitation based on the Frank sequence in EPR. <i>Journal of Magnetic Resonance</i> , 2011, 211, 221-227.	1.2	7
142	Temperature Dependence of Electron Spin Relaxation of 2,2-Diphenyl-1-Picrylhydrazyl in Polystyrene. <i>Applied Magnetic Resonance</i> , 2013, 44, 509-517.	0.6	7
143	<sc>UHF EPR</sc> spectrometer operating at frequencies between 400 $\hat{A}$ MHz and 1 $\hat{A}$ GHz. <i>Concepts in Magnetic Resonance Part B</i> , 2016, 46B, 123-133.	0.3	7
144	Triarylmethyl Radical: EPR Signal to Noise at Frequencies between 250 MHz and 1.5 GHz and Dependence of Relaxation on Radical and Salt Concentration and on Frequency. <i>Zeitschrift Fur Physikalische Chemie</i> , 2017, 231, 923-937.	1.4	7

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145	Azaadamantyl nitroxide spin label: complexation with $\beta$ -cyclodextrin and electron spin relaxation. Free Radical Research, 2018, 52, 319-326.	1.5	7
146	Tabletop 700 MHz electron paramagnetic resonance imaging spectrometer. Concepts in Magnetic Resonance Part B, 2018, 48B, .	0.3	7
147	Bis-Spiro-Oxetane and Bis-Spiro-Tetrahydrofuran Pyrroline Nitroxide Radicals: Synthesis and Electron Spin Relaxation Studies. Journal of Organic Chemistry, 2021, 86, 13636-13643.	1.7	7
148	Rapid-Scan EPR of Nitroxide Spin Labels and Semiquinones. Methods in Enzymology, 2015, 563, 3-21.	0.4	7
149	Advances in rapid scan EPR spectroscopy. Methods in Enzymology, 2022, 666, 1-24.	0.4	7
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151	EPR measurement of the rate of ligand exchange in copper salicylaldehyde complexes. Inorganic and Nuclear Chemistry Letters, 1979, 15, 29-31.	0.7	6
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