

Sandra S Eaton

List of Publications by Year in descending order

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papers

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87723

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times ranked

3716
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of Chlorine Substitution on Electron Spin Relaxation of a Trityl Radical. <i>Applied Magnetic Resonance</i> , 2022, 53, 797-808.	0.6	2
2	Electron paramagnetic resonance characterization and electron spin relaxation of manganate ion in glassy alkaline LiCl solution and doped into Cs ₂ SO ₄ . <i>Journal of Inorganic Biochemistry</i> , 2022, 229, 111732.	1.5	2
3	Advances in rapid scan EPR spectroscopy. <i>Methods in Enzymology</i> , 2022, 666, 1-24.	0.4	7
4	Identification of a poly-cyclopropylglycine-containing peptide via bioinformatic mapping of radical S-adenosylmethionine enzymes. <i>Journal of Biological Chemistry</i> , 2022, 298, 101881.	1.6	8
5	Trehalose as an alternative to glycerol as a glassing agent for in vivo DNP MRI. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 42-48.	1.9	6
6	Electron paramagnetic resonance of lanthanides. <i>Methods in Enzymology</i> , 2021, 651, 63-101.	0.4	6
7	EPR Spectra and Electron Spin Relaxation of O ₂ . <i>Applied Magnetic Resonance</i> , 2021, 52, 1223.	0.6	1
8	Perchlorinated Triarylmethyl Radical 99% Enriched ¹³ C at the Central Carbon as EPR Spin Probe Highly Sensitive to Molecular Tumbling. <i>Journal of Physical Chemistry B</i> , 2021, 125, 7380-7387.	1.2	5
9	Bis-Spiro-Oxetane and Bis-Spiro-Tetrahydrofuran Pyrroline Nitroxide Radicals: Synthesis and Electron Spin Relaxation Studies. <i>Journal of Organic Chemistry</i> , 2021, 86, 13636-13643.	1.7	7
10	Spin-spin interaction and relaxation in two trityl-nitroxide diradicals. <i>Journal of Magnetic Resonance</i> , 2021, 332, 107078.	1.2	4
11	Ligand control of low-frequency electron paramagnetic resonance linewidth in Cr(III) complexes. <i>Dalton Transactions</i> , 2021, 50, 5342-5350.	1.6	5
12	Whom should we credit for the discovery of isotopes?. <i>Foundations of Chemistry</i> , 2020, 22, 87-98.	0.4	5
13	Rapid-Scan Electron Paramagnetic Resonance of Highly Resolved Hyperfine Lines in Organic Radicals.. <i>ChemPhysChem</i> , 2020, 21, 2564-2570.	1.0	4
14	¹³ 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
15	Electron Spin Relaxation of Tb ³⁺ and Tm ³⁺ Ions. <i>Applied Magnetic Resonance</i> , 2020, 51, 961-976.	0.6	2
16	Supramolecular Approach to Electron Paramagnetic Resonance Distance Measurement of Spin-Labeled Proteins. <i>Journal of Physical Chemistry B</i> , 2020, 124, 3291-3299.	1.2	6
17	Excitement about Relaxation: Relaxation and the History of Electron Paramagnetic Resonance. <i>ACS Symposium Series</i> , 2020, , 197-225.	0.5	1
18	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

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19	Structural insights for vanadium catecholates and iron-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
20	Rapid-scan EPR imaging of a phantom comprised of species with different linewidths and relaxation times. <i>Journal of Magnetic Resonance</i> , 2019, 308, 106593.	1.2	2
21	Counterion influence on dynamic spin properties in a V(IV) complex. <i>Chemical Science</i> , 2019, 10, 548-555.	3.7	23
22	Persistence of Nitroxide Radicals in Solution. <i>Applied Magnetic Resonance</i> , 2019, 50, 1177-1181.	0.6	0
23	An x-band continuous wave saturation recovery electron paramagnetic resonance spectrometer based on an arbitrary waveform generator. <i>Review of Scientific Instruments</i> , 2019, 90, 024102.	0.6	5
24	250 MHz Rapid Scan Cross Loop Resonator. <i>Applied Magnetic Resonance</i> , 2019, 50, 333-345.	0.6	2
25	Electron paramagnetic resonance of a 10 B-containing heterocyclic radical. <i>Journal of Magnetic Resonance</i> , 2018, 290, 76-84.	1.2	6
26	Azaadamantyl nitroxide spin label: complexation with β -cyclodextrin and electron spin relaxation. <i>Free Radical Research</i> , 2018, 52, 319-326.	1.5	7
27	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
28	Tabletop 700 MHz electron paramagnetic resonance imaging spectrometer. <i>Concepts in Magnetic Resonance Part B</i> , 2018, 48B, .	0.3	7
29	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
30	Background correction in rapid scan EPR spectroscopy. <i>Journal of Magnetic Resonance</i> , 2018, 293, 1-8.	1.2	8
31	Mechanism of Sml ₂ Reduction of 5-Bromo-6-oxo-6-phenylhexyl Methanesulfonate Studied by Spin Trapping with 2-Methyl-2-nitrosopropane. <i>Journal of Organic Chemistry</i> , 2018, 83, 10688-10692.	1.7	3
32	Electron spin relaxation of a boron-containing heterocyclic radical. <i>Journal of Magnetic Resonance</i> , 2017, 276, 7-13.	1.2	4
33	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
34	Rapid-scan EPR imaging. <i>Journal of Magnetic Resonance</i> , 2017, 280, 140-148.	1.2	29
35	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
36	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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37	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
38	Six Decades of Progress in Magnetic Resonance: The Contributions of James S. Hyde. <i>Applied Magnetic Resonance</i> , 2017, 48, 1093-1102.	0.6	1
39	An X-Band Crossed-Loop EPR Resonator. <i>Applied Magnetic Resonance</i> , 2017, 48, 1219-1226.	0.6	5
40	Resonators for In Vivo Imaging: Practical Experience. <i>Applied Magnetic Resonance</i> , 2017, 48, 1227-1247.	0.6	10
41	Triarylmethyl Radical Oximetry: Electron Spin Relaxation at 250 MHz and RF Frequency Dependence of Relaxation and Signal-to-Noise. <i>Advances in Experimental Medicine and Biology</i> , 2017, 977, 327-334.	0.8	4
42	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
43	Rapid Scan Electron Paramagnetic Resonance Opens New Avenues for Imaging Physiologically Important Parameters & In Vivo. <i>Journal of Visualized Experiments</i> , 2016, , .	0.2	8
44	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
45	Designing Molecular Probes To Prolong Intracellular Retention: Application to Nitroxide Spin Probes. <i>Bioconjugate Chemistry</i> , 2016, 27, 2923-2930.	1.8	4
46	Effect of Lanthanide and Cobalt Ions on Electron Spin Relaxation of Tempone in Glassy Water:Glycerol at 20 to 200ÅK. <i>Applied Magnetic Resonance</i> , 2016, 47, 1123-1134.	0.6	2
47	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
48	Comparison of Continuous Wave and Rapid Scan X-band Electron Paramagnetic Resonance of Irradiated Clipped Fingernails. <i>Radiation Protection Dosimetry</i> , 2016, 172, 133-138.	0.4	3
49	<sc>UHF EPR</sc> spectrometer operating at frequencies between 400ÅMHz and 1ÅGHz. <i>Concepts in Magnetic Resonance Part B</i> , 2016, 46B, 123-133.	0.3	7
50	Rapid scan electron paramagnetic resonance at 1.0ÅGHz of defect centers in Î³-irradiated organic solids. <i>Radiation Measurements</i> , 2016, 85, 57-63.	0.7	8
51	Electron spin relaxation times and rapid scan EPR imaging of pH-sensitive amino-substituted trityl radicals. <i>Magnetic Resonance in Chemistry</i> , 2015, 53, 280-284.	1.1	15
52	Room-Temperature Distance Measurements of Immobilized Spin-Labeled Protein by DEER/PELDOR. <i>Biophysical Journal</i> , 2015, 108, 1213-1219.	0.2	93
53	X-Band Rapid-Scan Electron Paramagnetic Resonance of Radiation-Induced Defects in Tooth Enamel. <i>Radiation Research</i> , 2015, 184, 175.	0.7	6
54	Gadolinium-Loaded Viral Capsids as Magnetic Resonance Imaging Contrast Agents. <i>Applied Magnetic Resonance</i> , 2015, 46, 349-355.	0.6	20

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55	Field-stepped direct detection electron paramagnetic resonance. <i>Journal of Magnetic Resonance</i> , 2015, 258, 58-64.	1.2	15
56	Multifrequency Pulsed EPR and the Characterization of Molecular Dynamics. <i>Methods in Enzymology</i> , 2015, 563, 37-58.	0.4	3
57	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
58	Imaging disulfide dinitroxides at 250 MHz to monitor thiol redox status. <i>Journal of Magnetic Resonance</i> , 2015, 260, 77-82.	1.2	19
59	Rapid-scan coherence signals in X-band EPR spectra of semiquinones with small hyperfine splittings. <i>Journal of Magnetic Resonance</i> , 2015, 259, 20-23.	1.2	3
60	Improved Sensitivity for Imaging Spin Trapped Hydroxyl Radical at 250 MHz. <i>ChemPhysChem</i> , 2015, 16, 528-531.	1.0	23
61	Rapid-Scan EPR of Nitroxide Spin Labels and Semiquinones. <i>Methods in Enzymology</i> , 2015, 563, 3-21.	0.4	7
62	New spectralâ€“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
63	Imaging of nitroxides at 250MHz using rapid-scan electron paramagnetic resonance. <i>Journal of Magnetic Resonance</i> , 2014, 242, 162-168.	1.2	29
64	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
65	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
66	Rapid-scan EPR of immobilized nitroxides. <i>Journal of Magnetic Resonance</i> , 2014, 247, 67-71.	1.2	21
67	Frequency dependence of electron spinâ€“lattice relaxation for semiquinones in alcohol solutions. <i>Journal of Magnetic Resonance</i> , 2014, 247, 81-87.	1.2	5
68	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
69	Use of Rapid-Scan EPR to Improve Detection Sensitivity for Spin-Trapped Radicals. <i>Biophysical Journal</i> , 2013, 105, 338-342.	0.2	53
70	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
71	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
72	Computationally Efficient Steady-State Solution of the Bloch Equations for Rapid Sinusoidal Scans Based on Fourier Expansion in Harmonics of the Scan Frequency. <i>Applied Magnetic Resonance</i> , 2013, 44, 1373-1379.	0.6	6

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73	Electron spin lattice relaxation mechanisms of rapidly-tumbling nitroxide radicals. <i>Journal of Magnetic Resonance</i> , 2013, 236, 47-56.	1.2	48
74	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
75	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
76	A resonated coil driver for rapid scan EPR. <i>Concepts in Magnetic Resonance Part B</i> , 2012, 41B, 95-110.	0.3	30
77	Conformational Basis for Asymmetric Seeding Barrier in Filaments of Three- and Four-Repeat Tau. <i>Journal of the American Chemical Society</i> , 2012, 134, 10271-10278.	6.6	63
78	Organic Radical Contrast Agents for Magnetic Resonance Imaging. <i>Journal of the American Chemical Society</i> , 2012, 134, 15724-15727.	6.6	152
79	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
80	The world as viewed by and with unpaired electrons. <i>Journal of Magnetic Resonance</i> , 2012, 223, 151-163.	1.2	15
81	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
82	Nitroxide Radicals@US@Tubes: New Spin Labels for Biomedical Applications. <i>Advanced Functional Materials</i> , 2012, 22, 3691-3698.	7.8	21
83	X-band rapid-scan EPR of nitroxyl radicals. <i>Journal of Magnetic Resonance</i> , 2012, 214, 221-226.	1.2	45
84	Electron Spin Relaxation and Heterogeneity of the 1:1 $\text{[}^{\pm}\text{,}^{\text{13}}\text{C}^{\text{-}}\text{Bisdiphenylene-}^{\text{12}}\text{-phenylallyl (BDPA)/Benzene Complex}$. <i>Journal of Physical Chemistry B</i> , 2011, 115, 7986-7990.	1.2	30
85	Calix[4]arene nitroxide tetradical and octaradical. <i>Chemical Communications</i> , 2011, 47, 6443.	2.2	26
86	Rapid frequency scan EPR. <i>Journal of Magnetic Resonance</i> , 2011, 211, 156-161.	1.2	26
87	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
88	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
89	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
90	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

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91	Impact of SOD-Mimetic Manganoporphyrins on Spin Trapping of Superoxide and Related Artifacts. Applied Magnetic Resonance, 2011, 40, 125-134.	0.6	3
92	Deconvolution of sinusoidal rapid EPR scans. Journal of Magnetic Resonance, 2011, 208, 279-283.	1.2	54
93	Reconstruction of the first-derivative EPR spectrum from multiple harmonics of the field-modulated continuous wave signal. Journal of Magnetic Resonance, 2011, 209, 277-281.	1.2	21
94	Electron transfer flavoprotein domain II orientation monitored using double electron-electron resonance between an enzymatically reduced, native FAD cofactor, and spin labels. Protein Science, 2011, 20, 610-620.	3.1	13
95	A general purpose Q-measuring circuit using pulse ring-down. Concepts in Magnetic Resonance Part B, 2011, 39B, 43-46.	0.3	15
96	Use of the Frank sequence in pulsed EPR. Journal of Magnetic Resonance, 2011, 209, 306-309.	1.2	9
97	A signal-to-noise standard for pulsed EPR. Journal of Magnetic Resonance, 2010, 205, 109-113.	1.2	18
98	Impact of Chlorine Substitution on Spin-Lattice Relaxation of Triarylmethyl and 1,4-Benzosemiquinone Radicals in Glass-Forming Solvents Between 25 and 295K. Applied Magnetic Resonance, 2010, 37, 649-656.	0.6	6
99	A very fast switched-attenuator circuit for microwave and RF applications. Concepts in Magnetic Resonance Part B, 2010, 37B, 39-44.	0.3	7
100	A wire-crossed-loop resonator for rapid scan EPR. Concepts in Magnetic Resonance Part B, 2010, 37B, 86-91.	0.3	24
101	A Spirocyclohexyl Nitroxide Amino Acid Spin Label for Pulsed EPR Spectroscopy Distance Measurements. Chemistry - A European Journal, 2010, 16, 5778-5782.	1.7	62
102	Combining absorption and dispersion signals to improve signal-to-noise for rapid-scan EPR imaging. Journal of Magnetic Resonance, 2010, 203, 305-310.	1.2	26
103	Quantitative rapid scan EPR spectroscopy at 258MHz. Journal of Magnetic Resonance, 2010, 205, 23-27.	1.2	19
104	Quantitative EPR. , 2010, , .		278
105	Frequency dependence of pulsed EPR experiments. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2009, 34A, 315-321.	0.2	3
106	A linear magnetic field scan driver. Concepts in Magnetic Resonance Part B, 2009, 35B, 44-58.	0.3	25
107	Background removal procedure for rapid scan EPR. Journal of Magnetic Resonance, 2009, 196, 48-53.	1.2	25
108	Electron spin relaxation rates for semiquinones between 25 and 295K in glass-forming solvents. Journal of Magnetic Resonance, 2009, 198, 111-120.	1.2	19

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109	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
110	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
111	Interaction of Radical Pairs Through-Bond and Through-Space: Scope and Limitations of the Pointâˆ“Dipole Approximation in Electron Paramagnetic Resonance Spectroscopy. <i>Journal of the American Chemical Society</i> , 2009, 131, 10092-10106.	6.6	116
112	Electron spin relaxation enhancement measurements of interspin distances in human, porcine, and <i>Rhodobacter</i> electron transfer flavoproteinâˆ“ubiquinone oxidoreductase (ETFâˆ“QO). <i>Journal of Magnetic Resonance</i> , 2008, 190, 222-232.	1.2	17
113	Electron spinâˆ“lattice relaxation of nitroxyl radicals in temperature ranges that span glassy solutions to low-viscosity liquids. <i>Journal of Magnetic Resonance</i> , 2008, 191, 66-77.	1.2	58
114	Regularized optimization (RO) reconstruction for oximetric EPR imaging. <i>Journal of Magnetic Resonance</i> , 2008, 194, 212-221.	1.2	16
115	Electron-Electron Distances in Spin-Labeled Low-Spin Metmyoglobin Variants by Relaxation Enhancement. <i>Biophysical Journal</i> , 2008, 95, 5306-5316.	0.2	16
116	Impact of Electronâˆ“Electron Spin Interaction on Electron Spin Relaxation of Nitroxide Diradicals and Tetraradical in Glassy Solvents Between 10 and 300 K. <i>Journal of Physical Chemistry B</i> , 2008, 112, 2818-2828.	1.2	75
117	The Ironâˆ“Sulfur Cluster of Electron Transfer Flavoproteinâˆ“Ubiquinone Oxidoreductase Is the Electron Acceptor for Electron Transfer Flavoprotein. <i>Biochemistry</i> , 2008, 47, 8894-8901.	1.2	24
118	Impact of Mutations on the Midpoint Potential of the [4Fe-4S] ^{+1,+2} Cluster and on Catalytic Activity in Electron Transfer Flavoprotein-ubiquinone Oxidoreductase (ETF-QO). <i>Biochemistry</i> , 2008, 47, 92-100.	1.2	35
119	Electron Spin Relaxation in x-Lithium Phthalocyanine. <i>Journal of Physical Chemistry B</i> , 2007, 111, 7972-7977.	1.2	7
120	Electron spin relaxation of radicals in irradiated tooth enamel and synthetic hydroxyapatite. <i>Radiation Measurements</i> , 2007, 42, 997-1004.	0.7	18
121	EPR Free Induction Decay Coherence Observed after a Single Pulse in Saturation Recovery Experiments for Samples with Resolved Multiline CW Spectra. <i>Applied Magnetic Resonance</i> , 2007, 32, 269-281.	0.6	4
122	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
123	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
124	EPR at work: Part 1. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2006, 28A, 1-25.	0.2	7
125	EPR at work: Part 2. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2006, 28A, 26-50.	0.2	0
126	EPR at work: Part 3. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2006, 28A, 51-75.	0.2	0

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127	EPR at work: Part 4. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2006, 28A, 76-100.	0.2	0
128	Fast-response VHF pulsed 2 KW power amplifiers. Concepts in Magnetic Resonance Part B, 2006, 29B, 185-190.	0.3	5
129	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
130	Electron spin relaxation times for the alanine radical in two dosimeters. Applied Radiation and Isotopes, 2005, 62, 129-132.	0.7	3
131	Pulsed saturation recovery 250 MHz electron paramagnetic resonance spectrometer. Concepts in Magnetic Resonance Part B, 2005, 26B, 23-27.	0.3	5
132	Fast-response VHF-band pulsed power amplifiers. Concepts in Magnetic Resonance Part B, 2005, 27B, 1-7.	0.3	5
133	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
134	Characterization of titanium dopants in sodium alanate by electron paramagnetic resonance spectroscopy. Journal of Materials Research, 2005, 20, 3265-3269.	1.2	15
135	Loop-Gap Resonators. , 2005, , 19-52.		19
136	Direct-detected rapid-scan EPR at 250MHz. Journal of Magnetic Resonance, 2004, 170, 127-135.	1.2	89
137	Substitutional n-Type Doping of an Organic Semiconductor Investigated by Electron Paramagnetic Resonance Spectroscopy. Journal of Physical Chemistry B, 2004, 108, 17329-17336.	1.2	46
138	Frequency Dependence of Electron Spin Relaxation of Nitroxyl Radicals in Fluid Solution. Journal of Physical Chemistry B, 2004, 108, 9475-9481.	1.2	44
139	Comparison of electron spin relaxation times measured by Carr-Purcell-Meiboom-Gill and two-pulse spin-echo sequences. Journal of Magnetic Resonance, 2003, 164, 44-53.	1.2	29
140	Synthesis of a Pyridinium Bis[citrato(2 ⁻)]oxochromate(V) Complex and Its Ligand-Exchange Reactions. Inorganic Chemistry, 2003, 42, 6458-6468.	1.9	23
141	Electron Spin-Lattice Relaxation Processes of Radicals in Irradiated Crystalline Organic Compounds. Journal of Physical Chemistry A, 2003, 107, 598-610.	1.1	40
142	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. Journal of Coordination Chemistry, 2003, 56, 975-993.	0.8	26
143	Expression of human electron transfer flavoprotein-ubiquinone oxidoreductase from a baculovirus vector: kinetic and spectral characterization of the human protein. Biochemical Journal, 2002, 364, 659-667.	1.7	25
144	The Landscape and the Horizons: An Introduction to the Science of William N. Lipscomb. ACS Symposium Series, 2002, , 2-17.	0.5	1

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145	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
146	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
147	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
148	250 MHz crossed-loop resonator for pulsed electron paramagnetic resonance. <i>Concepts in Magnetic Resonance</i> , 2002, 15, 37-46.	1.3	42
149	Adapting a hall probe controller for current control of an air-core magnet. <i>Concepts in Magnetic Resonance</i> , 2002, 15, 47-50.	1.3	3
150	Magnet and gradient coil system for low-field EPR imaging. <i>Concepts in Magnetic Resonance</i> , 2002, 15, 51-58.	1.3	40
151	A pulsed and continuous wave 250 MHz electron paramagnetic resonance spectrometer. <i>Concepts in Magnetic Resonance</i> , 2002, 15, 59-91.	1.3	55
152	Electron spin-lattice relaxation in radicals containing two methyl groups, generated by I^3 -irradiation of polycrystalline solids. <i>Journal of Magnetic Resonance</i> , 2002, 159, 195-206.	1.2	21
153	Electron Spin Relaxation of Triarylmethyl Radicals in Fluid Solution. <i>Journal of Magnetic Resonance</i> , 2001, 152, 156-161.	1.2	82
154	An L-Band Crossed-Loop (Bimodal) EPR Resonator. <i>Journal of Magnetic Resonance</i> , 2000, 144, 85-88.	1.2	32
155	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
156	Chemistry and Insulin-Mimetic Properties of Bis(acetylacetonate)oxovanadium(IV) and Derivatives 1. <i>Inorganic Chemistry</i> , 2000, 39, 406-416.	1.9	180
157	Design of a programmable timing unit. <i>Review of Scientific Instruments</i> , 1999, 70, 4422-4432.	0.6	8
158	Orientation of the Tetranuclear Manganese Cluster and Tyrosine Z in the O ₂ -Evolving Complex of Photosystem II: An EPR Study of the S ₂ Y ₂ Z State in Oriented Acetate-Inhibited Photosystem II Membranes. <i>Biochemistry</i> , 1999, 38, 12758-12767.	1.2	53
159	Electron Spin Relaxation in Chromium Nitrosyl Complexes. <i>Inorganic Chemistry</i> , 1999, 38, 3529-3534.	1.9	15
160	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
161	Dephasing of electron spin echoes for nitroxyl radicals in glassy solvents by non-methyl and methyl protons. <i>Molecular Physics</i> , 1998, 95, 1255-1263.	0.8	149
162	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

#	ARTICLE	IF	CITATIONS
163	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
164	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
165	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
166	Photo-Enhanced Production of the Spin Adduct 5,5-Dimethyl-1-pyrroline-N-oxide/Â·OH in Aqueous Menadione Solutions. <i>Archives of Biochemistry and Biophysics</i> , 1996, 329, 221-227.	1.4	8
167	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
168	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
169	Easily Tunable Crossed-Loop (Bimodal) EPR Resonator. <i>Journal of Magnetic Resonance Series A</i> , 1996, 122, 50-57.	1.6	50
170	Dispersion and Superheterodyne EPR Using a Bimodal Resonator. <i>Journal of Magnetic Resonance Series A</i> , 1996, 122, 58-63.	1.6	28
171	EPR imaging of irradiated silicon dioxide: increased concentrations of Eâ€² defects near the surface. <i>Applied Radiation and Isotopes</i> , 1996, 47, 1595-1598.	0.7	4
172	Multifrequency electron paramagnetic resonance of irradiated l-alanine. <i>Applied Radiation and Isotopes</i> , 1996, 47, 1235-1239.	0.7	21
173	A 1â€² GHz pulsed and continuous wave electron paramagnetic resonance spectrometer. <i>Review of Scientific Instruments</i> , 1996, 67, 2514-2527.	0.6	43
174	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
175	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
176	Impact of Electronâ€²Electron Spinâ€²Spin Coupling on Electron-Spin Turning Angle in a Spin-Labeled Copper(II) Complex. <i>Journal of Magnetic Resonance Series A</i> , 1995, 117, 62-66.	1.6	6
177	Introduction to EPR imaging using magnetic-field gradients. <i>Concepts in Magnetic Resonance</i> , 1995, 7, 49-67.	1.3	32
178	Determination of depth profiles of Eâ€³ defects in irradiated vitreous silica by electron paramagneticâ€²resonance imaging. <i>Journal of Applied Physics</i> , 1995, 77, 790-794.	1.1	11
179	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
180	Saturation recovery electron paramagnetic resonance spectrometer. <i>Review of Scientific Instruments</i> , 1992, 63, 4251-4262.	0.6	61

#	ARTICLE	IF	CITATIONS
181	Design of magnetic-field gradient coils for imaging. <i>Computers in Physics</i> , 1992, 6, 656.	0.6	7
182	Electron-spin relaxation times of chromium(V). <i>Journal of Magnetic Resonance</i> , 1992, 98, 81-91.	0.5	14
183	EPR resonator coupling monitor. <i>Journal of Magnetic Resonance</i> , 1992, 99, 571-575.	0.5	0
184	A convenient monitor of EPR automatic frequency control function. <i>Journal of Magnetic Resonance</i> , 1991, 93, 410-412.	0.5	2
185	Liquid helium level detector. <i>Review of Scientific Instruments</i> , 1991, 62, 1647-1647.	0.6	2
186	Spectral-spatial electron paramagnetic resonance imaging of electrochemically generated radicals. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1990, 86, 3181-3184.	1.7	4
187	Artifacts in spectral-spatial EPR images of portions of spectra. <i>Journal of Magnetic Resonance</i> , 1989, 85, 303-313.	0.5	1
188	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
189	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
190	Interaction of spin labels with transition metals. <i>Coordination Chemistry Reviews</i> , 1988, 83, 29-72.	9.5	86
191	Spectral-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
192	Pulsed EPR spectrometer. <i>Review of Scientific Instruments</i> , 1987, 58, 1709-1723.	0.6	72
193	Three-dimensional EPR imaging with one spectral and two spatial dimensions. <i>Chemical Physics Letters</i> , 1987, 142, 567-569.	1.2	32
194	EPR imaging using T1 selectivity. <i>Journal of Magnetic Resonance</i> , 1987, 71, 271-275.	0.5	3
195	Spectral-spatial two-dimensional EPR imaging. <i>Journal of Magnetic Resonance</i> , 1987, 72, 449-455.	0.5	37
196	Computer control of magnetic field using a varian MK 11 fieldial unit. <i>Journal of Magnetic Resonance</i> , 1986, 69, 371-374.	0.5	3
197	Versatile computer interface for a varian E9 EPR spectrometer. <i>Journal of Magnetic Resonance</i> , 1986, 66, 164-167.	0.5	4
198	EPR imaging using flip-angle gradients. A new approach to two-dimensional imaging. <i>Journal of Magnetic Resonance</i> , 1986, 67, 561-564.	0.5	3

#	ARTICLE	IF	CITATIONS
199	Electron spin-echo-detected EPR imaging. <i>Journal of Magnetic Resonance</i> , 1986, 67, 73-77.	0.5	12
200	Metal-nitroxyl interactions. 43. Collision interactions between transition metals and nitroxyl radicals in organic solvents. <i>Journal of Magnetic Resonance</i> , 1985, 63, 74-87.	0.5	4
201	Metal-nitroxyl interactions. 44. Collision interactions between transition metal complexes and nitroxyl radicals in aqueous solution. <i>Journal of Magnetic Resonance</i> , 1985, 63, 125-132.	0.5	2
202	Metal-nitroxyl interactions. 42. Spin-spin interaction in frozen solution EPR spectra of spin-labeled Mn(II) complexes. <i>Journal of Magnetic Resonance</i> , 1985, 63, 151-167.	0.5	3
203	Relaxation times for the organic radical signal in the EPR spectra of oil shale, shale oil, and spent shale. <i>Journal of Magnetic Resonance</i> , 1985, 61, 81-89.	0.5	3
204	Estimates of collision frequencies and solvent effects in collision interactions. <i>Journal of Magnetic Resonance</i> , 1985, 63, 327-332.	0.5	2
205	Determination of T1 and T2 by simulation of EPR power saturation curves and saturated spectra. Application to spin-labeled iron porphyrins. <i>Journal of Magnetic Resonance</i> , 1984, 60, 54-65.	0.5	5
206	EPR imaging. <i>Journal of Magnetic Resonance</i> , 1984, 59, 474-477.	0.5	8
207	Metal-nitroxyl interactions. 40. EPR spectra of spin-labeled copper(II) and vanadyl complexes immobilized on imbibed beads. <i>Journal of Magnetic Resonance</i> , 1984, 59, 497-505.	0.5	2
208	Metal-nitroxyl interactions. 32. Spin-spin splitting in EPR spectra of spin-labeled pyridine adducts of a cobalt(II) porphyrin in frozen solution. <i>Journal of Magnetic Resonance</i> , 1984, 56, 183-199.	0.5	4
209	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
210	Metal-nitroxyl interactions. 29. EPR studies of spin-labeled copper complexes in frozen solution. <i>Journal of Magnetic Resonance</i> , 1983, 52, 435-449.	0.5	6
211	Metal-nitroxyl interactions. 28. EPR studies of spin-labeled nickel(II) complexes in fluid solution. <i>Journal of Magnetic Resonance</i> , 1983, 51, 470-476.	0.5	2
212	Q-band e.p.r. spectra of oil shale, spent shale, and shale oil. <i>Fuel</i> , 1981, 60, 67-70.	3.4	6
213	Metal-nitroxyl interactions. 23. Dinitroxyl adducts of paramagnetic metal complexes. <i>Journal of Magnetic Resonance</i> , 1981, 45, 162-169.	0.5	2
214	Metal-nitroxyl interactions. 18. Spin-labeled copper carboxylate dimers and monomers. <i>Journal of Magnetic Resonance</i> , 1981, 42, 277-286.	0.5	2
215	The effects of lossy solvents on quantitative EPR studies. <i>Journal of Magnetic Resonance</i> , 1981, 44, 415-428.	0.5	33
216	ENDOR measurement of long-range hyperfine coupling in a nitroxyl radical. <i>Journal of Magnetic Resonance</i> , 1980, 38, 325-330.	0.5	3

#	ARTICLE	IF	CITATIONS
217	EPR measurement of the rate of ligand exchange in copper salicylaldimine complexes. Inorganic and Nuclear Chemistry Letters, 1979, 15, 29-31.	0.7	6
218	An unusual long-range proton hyperfine coupling in a nitroxyl radical. Magnetic Resonance in Chemistry, 1978, 11, 211-212.	0.7	6
219	[Cr(oxalate) ₃] ³⁻ as a broadening agent in nitroxyl spin probe studies. Journal of the Chemical Society Chemical Communications, 1978, , 944.	2.0	9
220	Phenyl ring rotation in metal complexes of tetraphenylporphyrin derivatives. Journal of the Chemical Society Chemical Communications, 1974, , 576.	2.0	21
221	Nitroxide Diradical EPR Lineshapes and Spin Relaxation. Applied Magnetic Resonance, 0, , 1.	0.6	2
222	Impact of Counter Ion Methyl Groups on Spin Relaxation in [V(C ₆ H ₄ O ₂) ₃] ²⁻ . Journal of Physical Chemistry C, 0, , .	1.5	2