

Gareth R Eaton

List of Publications by Year in descending order

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389
papers

11,468
citations

46636

47
h-index

53958

85
g-index

421
all docs

421
docs citations

421
times ranked

18922
citing authors

#	ARTICLE	IF	CITATIONS
1	Gateways to the FANTOM5 promoter level mammalian expression atlas. <i>Genome Biology</i> , 2015, 16, 22.	7.3	713
2	Baryon acoustic oscillations in the Ly α forest of BOSS DR11 quasars. <i>Astronomy and Astrophysics</i> , 2015, 574, A59.	5.3	703
3	Silicon as a potential anode material for Li-ion batteries: where size, geometry and structure matter. <i>Nanoscale</i> , 2016, 8, 74-103.	5.8	595
4	Modeling the Wet Bulb Globe Temperature Using Standard Meteorological Measurements. <i>Journal of Occupational and Environmental Hygiene</i> , 2008, 5, 645-655.	1.2	227
5	Chemistry and Insulin-Mimetic Properties of Bis(acetylacetonate)oxovanadium(IV) and Derivatives1. <i>Inorganic Chemistry</i> , 2000, 39, 406-416.	4.2	188
6	β -2-Glucan Induces Protective Trained Immunity against Mycobacterium tuberculosis Infection: A Key Role for IL-1. <i>Cell Reports</i> , 2020, 31, 107634.	6.3	175
7	Postural Equilibrium in Adolescent Idiopathic Scoliosis. <i>Acta Orthopaedica</i> , 1978, 49, 354-365.	1.4	165
8	Organic Radical Contrast Agents for Magnetic Resonance Imaging. <i>Journal of the American Chemical Society</i> , 2012, 134, 15724-15727.	14.6	156
9	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.	1.7	152
10	Modulation Techniques to Reduce Leakage Current in Three-Phase Transformerless H7 Photovoltaic Inverter. <i>IEEE Transactions on Industrial Electronics</i> , 2015, 62, 322-331.	8.2	150
11	Interaction of Radical Pairs Through-Bond and Through-Space: Scope and Limitations of the Point-Dipole Approximation in Electron Paramagnetic Resonance Spectroscopy. <i>Journal of the American Chemical Society</i> , 2009, 131, 10092-10106.	14.6	119
12	Guidelines for Performing a Comprehensive Transesophageal Echocardiographic. <i>Journal of the American Society of Echocardiography</i> , 2019, 32, 173-215.	2.7	119
13	MobileMiner. , 2014, , .		108
14	Crystal structure of a soluble form of human monoglyceride lipase in complex with an inhibitor at 1.35 Å... resolution. <i>Protein Science</i> , 2011, 20, 670-683.	7.8	106
15	The sypA, sypB, and sypC Synthetase Genes Encode Twenty-Two Modules Involved in the Nonribosomal Peptide Synthesis of Syringopeptin by <i>Pseudomonas syringae</i> pv. <i>syringae</i> B301D. <i>Molecular Plant-Microbe Interactions</i> , 2003, 16, 271-280.	2.8	104
16	Frequency (250MHz to 9.2GHz) and viscosity dependence of electron spin relaxation of triarylmethyl radicals at room temperature. <i>Journal of Magnetic Resonance</i> , 2005, 172, 168-175.	2.2	100
17	Room-Temperature Distance Measurements of Immobilized Spin-Labeled Protein by DEER/PELDOR. <i>Biophysical Journal</i> , 2015, 108, 1213-1219.	0.5	94
18	Aesthetics and Professionalism of Virtual Servicescapes. <i>Journal of Service Research</i> , 2006, 8, 245-259.	12.4	91

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19	Direct-detected rapid-scan EPR at 250MHz. Journal of Magnetic Resonance, 2004, 170, 127-135.	2.2	90
20	Interaction of spin labels with transition metals. Coordination Chemistry Reviews, 1988, 83, 29-72.	19.6	86
21	Disulfiram targeting lymphoid malignant cell lines via ROS-JNK activation as well as Nrf2 and NF- κ B pathway inhibition. Journal of Translational Medicine, 2014, 12, 163.	4.5	86
22	Electron Spin Relaxation of Triarylmethyl Radicals in Fluid Solution. Journal of Magnetic Resonance, 2001, 152, 156-161.	2.2	82
23	Rapid-scan EPR with triangular scans and fourier deconvolution to recover the slow-scan spectrum. Journal of Magnetic Resonance, 2005, 175, 44-51.	2.2	80
24	Behavioral dimensions of food security. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 12315-12320.	7.6	80
25	Composite pulses without phase distortion. Journal of Magnetic Resonance, 1985, 61, 90-101.	0.6	77
26	The kinetics of uptake and recovery of lanthanum using freshwater algae as biosorbents: Comparative analysis. Bioresource Technology, 2014, 160, 43-51.	9.7	77
27	Using Public Transport Can Make Up for Flying Abroad on Holiday. Environment and Behavior, 2015, 47, 184-204.	4.5	77
28	Evidence for "Alpha-Particle" Clusters in Several Nuclei from the ($\hat{1}\pm, \hat{A}2\hat{1}\pm$) Reaction at 0.91 BeV. Physical Review, 1963, 131, 337-351.	2.7	75
29	Impact of Electron $\hat{2}$ 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.	2.7	75
30	Pulsed EPR spectrometer. Review of Scientific Instruments, 1987, 58, 1709-1723.	1.4	72
31	Cardiopulmonary resuscitation traumatic cardiac arrest - there are survivors. An analysis of two national emergency registries. Critical Care, 2011, 15, R276.	6.0	68
32	Comprehensive regional trauma/Emergency Medical Services (EMS) delivery systems: The United States experience. World Journal of Surgery, 1983, 7, 149-157.	1.4	65
33	Conformational Basis for Asymmetric Seeding Barrier in Filaments of Three- and Four-Repeat Tau. Journal of the American Chemical Society, 2012, 134, 10271-10278.	14.6	64
34	Cyclosporin A differentially inhibits multiple steps in VEGF induced angiogenesis in human microvascular endothelial cells through altered intracellular signaling. Cell Communication and Signaling, 2004, 2, 3.	6.7	63
35	A Spirocyclohexyl Nitroxide Amino Acid Spin Label for Pulsed EPR Spectroscopy Distance Measurements. Chemistry - A European Journal, 2010, 16, 5778-5782.	3.9	63
36	Transport calculations in arbitrarily polarized liquidHe3. Physical Review B, 1987, 36, 756-759.	3.3	61

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37	Saturation recovery electron paramagnetic resonance spectrometer. Review of Scientific Instruments, 1992, 63, 4251-4262.	1.4	61
38	FDG-PET and MRI in temporal lobe epilepsy: relationship to febrile seizures, hippocampal sclerosis and outcome. Acta Neurologica Scandinavica, 1998, 97, 146-153.	2.2	61
39	Electron spin-lattice relaxation of nitroxyl radicals in temperature ranges that span glassy solutions to low-viscosity liquids. Journal of Magnetic Resonance, 2008, 191, 66-77.	2.2	59
40	A pulsed and continuous wave 250 MHz electron paramagnetic resonance spectrometer. Concepts in Magnetic Resonance, 2002, 15, 59-91.	1.3	55
41	Yin Yang 1 Modulates Taxane Response in Epithelial Ovarian Cancer. Molecular Cancer Research, 2009, 7, 210-220.	3.5	55
42	Use of Rapid-Scan EPR to Improve Detection Sensitivity for Spin-Trapped Radicals. Biophysical Journal, 2013, 105, 338-342.	0.5	55
43	Deconvolution of sinusoidal rapid EPR scans. Journal of Magnetic Resonance, 2011, 208, 279-283.	2.2	54
44	Mechanistic insights into the structure-dependent selectivity of catalytic furfural conversion on platinum catalysts. AIChE Journal, 2015, 61, 3812-3824.	3.6	54
45	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 YZ State in Oriented Acetate-Inhibited Photosystem II Membranes. Biochemistry, 1999, 38, 12758-12767.	2.6	53
46	Asp537 and Asp812 in Bacteriophage T7 RNA Polymerase as Metal Ion-Binding Sites Studied by EPR, Flow-Dialysis, and Transcription. Biochemistry, 1996, 35, 144-152.	2.6	52
47	Electron Spin Relaxation in Vanadyl, Copper(II), and Silver(II) Porphyrins in Glassy Solvents and Doped Solids. Journal of Magnetic Resonance Series A, 1996, 119, 240-246.	1.6	51
48	Enhanced Signal Intensities Obtained by Out-of-Phase Rapid-Passage EPR for Samples with Long Electron Spin Relaxation Times. Journal of Magnetic Resonance, 2002, 156, 41-51.	2.2	51
49	Easily Tunable Crossed-Loop (Bimodal) EPR Resonator. Journal of Magnetic Resonance Series A, 1996, 122, 50-57.	1.6	50
50	Electron spin relaxation of copper(II) complexes in glassy solution between 10 and 120K. Journal of Magnetic Resonance, 2006, 179, 92-104.	2.2	50
51	Electron spin-lattice relaxation mechanisms of rapidly-tumbling nitroxide radicals. Journal of Magnetic Resonance, 2013, 236, 47-56.	2.2	50
52	X-band rapid-scan EPR of samples with long electron spin relaxation times: a comparison of continuous wave, pulse and rapid-scan EPR. Molecular Physics, 2013, 111, 2664-2673.	1.7	49
53	Intracanal Cryotherapy Reduces Postoperative Pain in Teeth with Symptomatic Apical Periodontitis: A Randomized Multicenter Clinical Trial. Journal of Endodontics, 2018, 44, 4-8.	3.1	49
54	Imaging thiol redox status in murine tumors in vivo with rapid-scan electron paramagnetic resonance. Journal of Magnetic Resonance, 2017, 276, 31-36.	2.2	48

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55	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.	2.7	46
56	The Impact of Flooding on the Mental Health of Affected People in South Korea. <i>Community Mental Health Journal</i> , 2005, 41, 633-645.	2.1	46
57	The protease inhibitor, Bowman-Birk Inhibitor, suppresses experimental autoimmune encephalomyelitis: a potential oral therapy for multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2006, 12, 688-697.	3.3	45
58	X-band rapid-scan EPR of nitroxyl radicals. <i>Journal of Magnetic Resonance</i> , 2012, 214, 221-226.	2.2	45
59	Opioids and Opioid Receptors in Peripheral Tissues. <i>Scandinavian Journal of Gastroenterology</i> , 1987, 22, 27-46.	1.5	44
60	250 MHz crossed-loop resonator for pulsed electron paramagnetic resonance. <i>Concepts in Magnetic Resonance</i> , 2002, 15, 37-46.	1.3	44
61	Frequency Dependence of Electron Spin Relaxation of Nitroxyl Radicals in Fluid Solution. <i>Journal of Physical Chemistry B</i> , 2004, 108, 9475-9481.	2.7	44
62	Pathogenesis, clinic, and treatment of ganglion. <i>Archives of Orthopaedic and Traumatic Surgery Archiv Für OrthopÄdische Und Unfall-Chirurgie</i> , 1982, 99, 247-252.	0.1	43
63	Spectral-spatial two-dimensional EPR imaging. <i>Journal of Magnetic Resonance</i> , 1987, 72, 449-455.	0.6	43
64	A 1.2 GHz pulsed and continuous wave electron paramagnetic resonance spectrometer. <i>Review of Scientific Instruments</i> , 1996, 67, 2514-2527.	1.4	43
65	Chymase-positive mast cells in small sized adenocarcinoma of the lung. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2003, 443, 565-573.	2.9	43
66	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.	2.2	42
67	Influence of sulphur-fumigation on the quality of white ginseng: A quantitative evaluation of major ginsenosides by high performance liquid chromatography. <i>Food Chemistry</i> , 2012, 135, 1141-1147.	8.4	42
68	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
69	Magnet and gradient coil system for low-field EPR imaging. <i>Concepts in Magnetic Resonance</i> , 2002, 15, 51-58.	1.3	41
70	Electron Spin-Lattice Relaxation Processes of Radicals in Irradiated Crystalline Organic Compounds. <i>Journal of Physical Chemistry A</i> , 2003, 107, 598-610.	2.6	40
71	The effects of lossy solvents on quantitative EPR studies. <i>Journal of Magnetic Resonance</i> , 1981, 44, 415-428.	0.6	39
72	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.	2.2	39

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73	Incident Comorbidity Among Patients with Rheumatoid Arthritis Treated or Not with Low-dose Glucocorticoids: A Retrospective Study. <i>Journal of Rheumatology</i> , 2010, 37, 2232-2236.	2.1	39
74	Metabolic factors and blood cancers among 578,000 adults in the metabolic syndrome and cancer project (Me-Can). <i>Annals of Hematology</i> , 2012, 91, 1519-1531.	1.8	39
75	Single Mutations in Tau Modulate the Populations of Fibril Conformers through Seed Selection. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1590-1593.	14.8	39
76	Peripheral T lymphocyte subsets in rapidly progressive periodontitis. <i>Journal of Clinical Periodontology</i> , 1988, 15, 266-268.	5.0	37
77	Blood Glucose-lowering Activity of Colestimide in Patients with Type 2 Diabetes and Hypercholesterolemia: A Case-control Study Comparing Colestimide with Acarbose. <i>Journal of Nippon Medical School</i> , 2006, 73, 277-284.	1.0	37
78	Comparison of continuous wave, spin echo, and rapid scan EPR of irradiated fused quartz. <i>Radiation Measurements</i> , 2011, 46, 993-996.	1.4	37
79	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.	2.2	36
80	Regional differences in gallbladder cancer pathogenesis: Insights from a multi-institutional comparison of tumor mutations. <i>Cancer</i> , 2019, 125, 575-585.	4.1	36
81	Drug refractory epilepsy in brain damage: effect of dextromethorphan on EEG in four patients.. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 1994, 57, 333-339.	6.0	35
82	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.	2.6	35
83	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.	4.2	35
84	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.	2.6	34
85	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.	2.7	34
86	Three-dimensional EPR imaging with one spectral and two spatial dimensions. <i>Chemical Physics Letters</i> , 1987, 142, 567-569.	2.7	33
87	Intermittency in hadronic decays of the Z ⁰ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991, 262, 351-361.	4.1	33
88	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.	2.6	33
89	An L-Band Crossed-Loop (Bimodal) EPR Resonator. <i>Journal of Magnetic Resonance</i> , 2000, 144, 85-88.	2.2	33
90	Digital EPR with an arbitrary waveform generator and direct detection at the carrier frequency. <i>Journal of Magnetic Resonance</i> , 2011, 213, 119-25.	2.2	33

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91	Amygdala-prefrontal cortical functional connectivity during implicit emotion processing differentiates youth with bipolar spectrum from youth with externalizing disorders. <i>Journal of Affective Disorders</i> , 2017, 208, 94-100.	4.2	33
92	A multiple camera position approach for accurate displacement measurement using computer vision. <i>Journal of Civil Structural Health Monitoring</i> , 2021, 11, 661-678.	4.1	33
93	Introduction to EPR imaging using magnetic-field gradients. <i>Concepts in Magnetic Resonance</i> , 1995, 7, 49-67.	1.3	32
94	Interspin distances determined by time domain EPR of spin-labeled high-spin methemoglobin. <i>Inorganica Chimica Acta</i> , 1998, 273, 354-366.	2.5	32
95	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.	2.2	32
96	Rapid-scan EPR imaging. <i>Journal of Magnetic Resonance</i> , 2017, 280, 140-148.	2.2	32
97	Quantification of attached cells in tissue culture plates and on microcarriers. <i>Analytical Biochemistry</i> , 1989, 181, 209-211.	2.5	31
98	Frequency Dependence of EPR Signal Intensity, 250 MHz to 9.1 GHz. <i>Journal of Magnetic Resonance</i> , 2002, 156, 113-121.	2.2	31
99	Comparison of electron spin relaxation times measured by Carr-Purcell-Meiboom-Gill and two-pulse spin-echo sequences. <i>Journal of Magnetic Resonance</i> , 2003, 164, 44-53.	2.2	31
100	0.7 W all-fiber Erbium oscillator generating 64 fs wave breaking-free pulses. <i>Optics Express</i> , 2005, 13, 6305.	3.4	31
101	Distribution and Fate of Organotin Compounds in Japanese Coastal Waters. <i>Water, Air, and Soil Pollution</i> , 2007, 178, 255-265.	2.5	31
102	A resonated coil driver for rapid scan EPR. <i>Concepts in Magnetic Resonance Part B</i> , 2012, 41B, 95-110.	0.9	31
103	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.	2.2	30
104	Synthesis, characterization, thermal and DNA-binding properties of new zinc complexes with 2-hydroxyphenones. <i>Journal of Inorganic Biochemistry</i> , 2014, 134, 66-75.	3.7	30
105	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.	3.5	30
106	Rapid frequency scan EPR. <i>Journal of Magnetic Resonance</i> , 2011, 211, 156-161.	2.2	29
107	Imaging of nitroxides at 250MHz using rapid-scan electron paramagnetic resonance. <i>Journal of Magnetic Resonance</i> , 2014, 242, 162-168.	2.2	29
108	Choosing the Optimal Number of B-spline Control Points (Part 1: Methodology and Approximation of) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.1	29

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109	The Synthesis of 5,11,17-Trihalotetracyclo [13.3.1.13,7.19,13]henicosa-1 (19),3,5,7 (20),9,11,13 (21), 15,17-nonaene-19,20,21-triols and 5,11,17-trihalo-19,20,21-trihydroxytetracyclo [13.3.1.13,7. 19,13]henicosa-1 (19),3,5,7 (20),9,11,13(21), 15,17-nonaene-8,14-dione [1]. Cyclo-derivatives of Phloroglucide Analogues. <i>Helvetica Chimica Acta</i> , 1982, 65, 1264-1270.	1.6	28
110	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
111	Dispersion and Superheterodyne EPR Using a Bimodal Resonator. <i>Journal of Magnetic Resonance Series A</i> , 1996, 122, 58-63.	1.6	28
112	A multiplex polymerase chain reaction for a differential diagnosis of <i>Plasmodium falciparum</i> and <i>Plasmodium vivax</i> . <i>Parasitology International</i> , 2003, 52, 229-236.	1.4	28
113	Role of Site Selection for Left Ventriculoplasty to Treat Idiopathic Dilated Cardiomyopathy. <i>Heart Failure Reviews</i> , 2005, 9, 329-336.	3.9	28
114	Spectroscopic and Electrochemical Characterization of the Mycofactocin Biosynthetic Protein, MftC, Provides Insight into Its Redox Flipping Mechanism. <i>Biochemistry</i> , 2019, 58, 940-950.	2.6	28
115	Frequency Dependence of EPR Signal Intensity, 248 MHz to 1.4 GHz. <i>Journal of Magnetic Resonance</i> , 2002, 154, 80-84.	2.2	27
116	A linear magnetic field scan driver. <i>Concepts in Magnetic Resonance Part B</i> , 2009, 35B, 44-58.	0.9	27
117	Calix[4]arene nitroxide tetradical and octaradical. <i>Chemical Communications</i> , 2011, 47, 6443.	4.2	27
118	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
119	An introduction to chemically induced dynamic nuclear polarization. <i>Concepts in Magnetic Resonance</i> , 1995, 7, 69-86.	1.3	26
120	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.	3.8	26
121	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.	2.1	26
122	Components Sizing and Performance Analysis of Hydro-Mechanical Power Split Transmission Applied to a Wheel Loader. <i>Energies</i> , 2019, 12, 1613.	3.2	26
123	The Iron-Sulfur Cluster of Electron Transfer Flavoprotein-Ubiquinone Oxidoreductase Is the Electron Acceptor for Electron Transfer Flavoprotein. <i>Biochemistry</i> , 2008, 47, 8894-8901.	2.6	25
124	Background removal procedure for rapid scan EPR. <i>Journal of Magnetic Resonance</i> , 2009, 196, 48-53.	2.2	25
125	Correlation between the combined sensory index and clinical outcome after carpal tunnel decompression: A retrospective review. <i>Muscle and Nerve</i> , 2010, 41, 453-457.	2.3	25
126	Low Doses of <i>Curcuma longa</i> Modulates Cell Migration and Cell-Cell Adhesion. <i>Phytotherapy Research</i> , 2017, 31, 1433-1440.	5.9	25

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127	A bidirectional growth mechanism for a stable lithium anode by a platinum nanolayer sputtered on a polypropylene separator. RSC Advances, 2018, 8, 13034-13039.	3.7	25
128	Photochemical Regulation of DNA-Binding Specificity of MyoD. Angewandte Chemie, 2005, 117, 7956-7960.	2.1	24
129	A wire-crossed-loop resonator for rapid scan EPR. Concepts in Magnetic Resonance Part B, 2010, 37B, 86-91.	0.9	24
130	Relaxation Mechanisms. , 0, , 1543-1556.		24
131	Tracheal intubation in traumatic brain injury: a multicentre prospective observational study. British Journal of Anaesthesia, 2020, 125, 505-517.	3.3	24
132	Myocardial T1, T2, T2*, and fat fraction quantification via low-rank motion-corrected cardiac MR fingerprinting. Magnetic Resonance in Medicine, 2022, 87, 2757-2774.	3.1	24
133	Phenyl ring rotation in metal complexes of tetraphenylporphyrin derivatives. Journal of the Chemical Society Chemical Communications, 1974, , 576.	2.0	23
134	Synthesis of a Pyridinium Bis[citrato(2 ⁻)]oxochromate(V) Complex and Its Ligand-Exchange Reactions. Inorganic Chemistry, 2003, 42, 6458-6468.	4.2	23
135	Watershed development in India. 2. New approaches for managing externalities and meeting sustainability requirements. Environment, Development and Sustainability, 2008, 10, 427-440.	5.0	23
136	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.	2.2	23
137	Remote delivery of hydroxyl radicals via secondary chemistry of a nonthermal plasma effluent. Biotechnology and Bioengineering, 2013, 110, 1936-1944.	3.5	23
138	X-band Electron Spin Relaxation Times for Four Aromatic Radicals in Fluid Solution and Comparison with Other Organic Radicals. Applied Magnetic Resonance, 2014, 45, 993-1007.	1.2	23
139	Improved Sensitivity for Imaging Spin Trapped Hydroxyl Radical at 250 MHz. ChemPhysChem, 2015, 16, 528-531	2.3	23
140	Search for a Light Charged Higgs Boson Decaying to a W Boson and a C -Odd Higgs Boson in Final States with e	8.0	23
141	Counterion influence on dynamic spin properties in a $V(\text{scp})$ complex. Chemical Science, 2019, 10, 548-555.	7.8	23
142	Multifrequency electron paramagnetic resonance of irradiated l-alanine. Applied Radiation and Isotopes, 1996, 47, 1235-1239.	1.5	22
143	Uncertainty analysis for absorption and first-derivative electron paramagnetic resonance spectra. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2012, 40A, 295-305.	0.5	22
144	Nitroxide Radicals@US&Tubes: New Spin Labels for Biomedical Applications. Advanced Functional Materials, 2012, 22, 3691-3698.	16.5	22

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145	Synthesis and Electron Spin Relaxation of Tetracarboxylate Pyrroline Nitroxides. <i>Journal of Organic Chemistry</i> , 2017, 82, 1538-1544.	3.3	22
146	Terminal phosphido-complexes of co-ordinatively saturated and unsaturated platinum(II). <i>Journal of the Chemical Society Dalton Transactions</i> , 1990, , 3725-3727.	1.1	21
147	Towards developing HIV-2 lentivirus-based retroviral vectors for gene therapy: Dual gene expression in the context of HIV-2 LTR and Tat. <i>Journal of Medical Virology</i> , 1998, 54, 118-128.	5.0	21
148	Electron spin lattice relaxation in radicals containing two methyl groups, generated by β -irradiation of polycrystalline solids. <i>Journal of Magnetic Resonance</i> , 2002, 159, 195-206.	2.2	21
149	Biogeographical zonation of the western Iberian peninsula on the basis of the distribution of earthworm species. <i>Journal of Biogeography</i> , 2003, 24, 893-901.	3.0	21
150	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.	14.6	21
151	Rapid-scan EPR of immobilized nitroxides. <i>Journal of Magnetic Resonance</i> , 2014, 247, 67-71.	2.2	21
152	Imaging disulfide dinitroxides at 250 MHz to monitor thiol redox status. <i>Journal of Magnetic Resonance</i> , 2015, 260, 77-82.	2.2	21
153	Electron spin relaxation rates for semiquinones between 25 and 295K in glass-forming solvents. <i>Journal of Magnetic Resonance</i> , 2009, 198, 111-120.	2.2	20
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