

Bruce H Robinson

List of Publications by Year in descending order

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133
papers

7,704
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44069

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times ranked

4403
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and synthesis of chromophores with enhanced electro-optic activities in both bulk and plasmonic-organic hybrid devices. <i>Materials Horizons</i> , 2022, 9, 261-270.	12.2	34
2	Bis(4-dialkylaminophenyl)heteroaryl amino donor chromophores exhibiting exceptional hyperpolarizabilities. <i>Journal of Materials Chemistry C</i> , 2021, 9, 2721-2728.	5.5	28
3	Birefringence, dimensionality, and surface influences on organic hybrid electro-optic performance. , 2021, , .		1
4	New paradigms in materials and devices for hybrid electro-optics and optical rectification. , 2021, , .		6
5	Electro-Optic Activity in Excess of $1000 \text{ pm}^2 \text{ V}^{-1}$ Achieved via Theory-Guided Organic Chromophore Design. <i>Advanced Materials</i> , 2021, 33, e2104174.	21.0	49
6	Ultrahigh Electro-Optic Coefficients, High Index of Refraction, and Long-Term Stability from Diels-Alder Cross-Linkable Binary Molecular Glasses. <i>Chemistry of Materials</i> , 2020, 32, 1408-1421.	6.7	98
7	Advances in high-performance hybrid electro-optics. , 2020, , .		3
8	Molecular Engineering of Structurally Diverse Dendrimers with Large Electro-Optic Activities. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 21058-21068.	8.0	34
9	The Importance of Assay Imprecision near the Screen Cutoff for Newborn Screening of Lysosomal Storage Diseases. <i>International Journal of Neonatal Screening</i> , 2019, 5, 17.	3.2	9
10	DANPY (dimethylaminonaphthylpyridinium): an economical and biocompatible fluorophore. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 3765-3780.	2.8	2
11	Next-generation materials for hybrid electro-optic systems (Conference Presentation). , 2019, , .		4
12	Detection of mucopolysaccharidosis III-A (Sanfilippo Syndrome-A) in dried blood spots (DBS) by tandem mass spectrometry. <i>Molecular Genetics and Metabolism</i> , 2018, 125, 59-63.	1.1	13
13	Optimization of Plasmonic-Organic Hybrid Electro-Optics. <i>Journal of Lightwave Technology</i> , 2018, 36, 5036-5047.	4.6	41
14	Multi-scale theory-assisted nano-engineering of plasmonic-organic hybrid electro-optic device performance. , 2018, , .		1
15	Poling-induced birefringence in OEO materials under nanoscale confinement. , 2018, , .		5
16	Silicon-Organic and Plasmonic-Organic Hybrid Photonics. <i>ACS Photonics</i> , 2017, 4, 1576-1590.	6.6	123
17	Simple Model for the Benzene Hexafluorobenzene Interaction. <i>Journal of Physical Chemistry B</i> , 2017, 121, 6184-6188.	2.6	7
18	Effect of Rigid Bridge-Protection Units, Quadrupolar Interactions, and Blending in Organic Electro-Optic Chromophores. <i>Chemistry of Materials</i> , 2017, 29, 6457-6471.	6.7	76

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19	Systematic Generation of Anisotropic Coarse-Grained Lennard-Jones Potentials and Their Application to Ordered Soft Matter. <i>Journal of Chemical Theory and Computation</i> , 2016, 12, 4362-4374.	5.3	22
20	Structure–function relationship exploration for enhanced thermal stability and electro-optic activity in monolithic organic NLO chromophores. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3119-3124.	5.5	65
21	Toward optimal EO response from ONLO chromophores: a statistical mechanics study of optimizing shape. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2016, 33, E121.	2.1	20
22	Relation of System Dimensionality and Order Parameters. <i>Journal of Physical Chemistry B</i> , 2015, 119, 3205-3212.	2.6	9
23	Dielectric and Phase Behavior of Dipolar Spheroids. <i>Journal of Physical Chemistry B</i> , 2015, 119, 5240-5250.	2.6	10
24	Benzocyclobutene barrier layer for suppressing conductance in nonlinear optical devices during electric field poling. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	56
25	Cross-conjugation as a Motif for Organic Non-Linear Optical Molecules. <i>Materials Research Society Symposia Proceedings</i> , 2014, 1698, 14.	0.1	0
26	Modeling Chromophore Order: A Guide For Improving EO Performance. <i>Materials Research Society Symposia Proceedings</i> , 2014, 1698, 26.	0.1	11
27	Matrix-Assisted Poling of Monolithic Bridge-Disubstituted Organic NLO Chromophores. <i>Chemistry of Materials</i> , 2014, 26, 872-874.	6.7	86
28	Optimum Exchange for Calculation of Excitation Energies and Hyperpolarizabilities of Organic Electro-optic Chromophores. <i>Journal of Chemical Theory and Computation</i> , 2014, 10, 3821-3831.	5.3	99
29	Optimizing Calculations of Electronic Excitations and Relative Hyperpolarizabilities of Electrooptic Chromophores. <i>Accounts of Chemical Research</i> , 2014, 47, 3258-3265.	15.6	164
30	Direct Simulation of Magnetic Resonance Relaxation Rates and Line Shapes from Molecular Trajectories. <i>Journal of Physical Chemistry B</i> , 2012, 116, 6233-6249.	2.6	9
31	Nano–Engineering Lattice Dimensionality for a Soft Matter Organic Functional Material. <i>Advanced Materials</i> , 2012, 24, 3263-3268.	21.0	25
32	Measuring Order in Contact-Poled Organic Electrooptic Materials with Variable-Angle Polarization-Referenced Absorption Spectroscopy (VAPRAS). <i>Journal of Physical Chemistry B</i> , 2011, 115, 231-241.	2.6	18
33	Systematic Nanoengineering of Soft Matter Organic Electro-optic Materials. <i>Chemistry of Materials</i> , 2011, 23, 430-445.	6.7	129
34	Solvents Level Dipole Moments. <i>Journal of Physical Chemistry B</i> , 2011, 115, 12566-12570.	2.6	10
35	Dielectric Dependence of the First Molecular Hyperpolarizability for Electro-Optic Chromophores. <i>Journal of Physical Chemistry B</i> , 2011, 115, 3505-3513.	2.6	36
36	Organic Electro-Optic Materials. <i>ACS Symposium Series</i> , 2010, , 13-33.	0.5	7

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37	Dielectric Constants of Simple Liquids: Stockmayer and Ellipsoidal Fluids. <i>Journal of Physical Chemistry B</i> , 2010, 114, 8431-8440.	2.6	25
38	Reduced Dimensionality in Organic Electro-Optic Materials: Theory and Defined Order. <i>Journal of Physical Chemistry B</i> , 2010, 114, 11949-11956.	2.6	47
39	Hyperfine Coupling in Colloidal n-Type ZnO Quantum Dots: Effects on Electron Spin Relaxation. <i>Journal of Physical Chemistry C</i> , 2010, 114, 14467-14472.	3.1	32
40	Modeling the Optical Behavior of Complex Organic Media: From Molecules to Materials. <i>Journal of Physical Chemistry B</i> , 2009, 113, 15581-15588.	2.6	22
41	Conformational Equilibria of Bulged Sites in Duplex DNA Studied by EPR Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2009, 113, 2664-2675.	2.6	19
42	Frequency and Solvent Dependence of Nonlinear Optical Properties of Molecules. <i>Journal of Physical Chemistry C</i> , 2008, 112, 8016-8021.	3.1	37
43	Rational Enhancement of Second-Order Nonlinearity: Bis-(4-methoxyphenyl)hetero-aryl-amino Donor-Based Chromophores: Design, Synthesis, and Electrooptic Activity. <i>Journal of the American Chemical Society</i> , 2008, 130, 10565-10575.	13.7	186
44	Molecular Self-Assembly of Mixed High-Beta Zwitterionic and Neutral Ground-State NLO Chromophores. <i>Chemistry of Materials</i> , 2008, 20, 1778-1787.	6.7	31
45	Laser-Assisted Poling of Binary Chromophore Materials. <i>Journal of Physical Chemistry C</i> , 2008, 112, 7983-7988.	3.1	48
46	Theory for Spin Lattice Relaxation of Spin Probes on Weakly Deformable DNA. <i>Journal of Physical Chemistry B</i> , 2008, 112, 9219-9236.	2.6	6
47	Rigid spin-labeled nucleoside \tilde{A}^{\ddagger} : a nonperturbing EPR probe of nucleic acid conformation. <i>Nucleic Acids Research</i> , 2008, 36, 5946-5954.	14.5	80
48	Room-Temperature Electron Spin Dynamics in Free-Standing ZnO Quantum Dots. <i>Physical Review Letters</i> , 2007, 98, 186804.	7.8	119
49	Comparison of Static First Hyperpolarizabilities Calculated with Various Quantum Mechanical Methods. <i>Journal of Physical Chemistry A</i> , 2007, 111, 1319-1327.	2.5	125
50	Orientation of Electro-optic Chromophores under Poling Conditions: A Spheroidal Model. <i>Journal of Physical Chemistry C</i> , 2007, 111, 18765-18777.	3.1	46
51	Theory-Guided Design and Synthesis of Multichromophore Dendrimers: An Analysis of the Electro-optic Effect. <i>Journal of the American Chemical Society</i> , 2007, 129, 7523-7530.	13.7	149
52	Ab Initio Diradical/Zwitterionic Polarizabilities and Hyperpolarizabilities in Twisted Double Bonds. <i>Journal of Physical Chemistry A</i> , 2006, 110, 7189-7196.	2.5	30
53	Single-Molecule Microscopy Studies of Electric-Field Poling in Chromophore Polymer Composite Materials. <i>Journal of Physical Chemistry B</i> , 2006, 110, 75-82.	2.6	21
54	Influence of Isomerization on Nonlinear Optical Properties of Molecules. <i>Journal of Physical Chemistry B</i> , 2006, 110, 13512-13522.	2.6	60

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55	Linear and Nonlinear Optical Properties of a Macrocyclic Trichromophore Bundle with Parallel-Aligned Dipole Moments. <i>Journal of Physical Chemistry B</i> , 2006, 110, 5434-5438.	2.6	45
56	Electro-Optical Properties of Polymers Containing Alternating Nonlinear Optical Chromophores and Bulky Spacers. <i>Chemistry of Materials</i> , 2006, 18, 1062-1067.	6.7	62
57	Antiparallel-Aligned Neutral-Ground-State and Zwitterionic Chromophores as a Nonlinear Optical Material. <i>Journal of the American Chemical Society</i> , 2006, 128, 6847-6853.	13.7	85
58	The spherical tensor formalism applied to relaxation in magnetic resonance. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2006, 28A, 270-290.	0.5	9
59	Identification of Amino Acids that Promote Specific and Rigid TAR RNA-Tat Protein Complex Formation. <i>Chemistry and Biology</i> , 2005, 12, 329-337.	6.0	34
60	Explanation of Spin Lattice Relaxation Rates of Spin Labels Obtained with Multifrequency Saturation Recovery EPR. <i>Journal of Physical Chemistry A</i> , 2005, 109, 4049-4061.	2.5	53
61	A Ruler for Determining the Position of Proteins in Membranes. <i>Journal of the American Chemical Society</i> , 2005, 127, 6430-6442.	13.7	64
62	Systematic Study of the Structure-Property Relationship of a Series of Ferrocenyl Nonlinear Optical Chromophores. <i>Journal of the American Chemical Society</i> , 2005, 127, 2758-2766.	13.7	168
63	Simulation of the Loading Parameter in Organic Nonlinear Optical Materials. <i>Journal of Physical Chemistry B</i> , 2004, 108, 8659-8667.	2.6	48
64	The effect of field modulation on a simple resonance line shape. <i>Concepts in Magnetic Resonance</i> , 2004, 23A, 38-48.	1.3	7
65	Novel applications of 2-cyanoethylanilines in the synthesis of conjugated primary and secondary anilines. <i>Tetrahedron Letters</i> , 2004, 45, 1473-1475.	1.4	1
66	Influence of Conformation on the EPR Spectrum of 5,5-Dimethyl-1-hydroperoxy-1-pyrrolidinyloxy: A Spin Trapped Adduct of Superoxide. <i>Journal of Organic Chemistry</i> , 2004, 69, 1321-1330.	3.2	50
67	A Novel Lattice-Hardening Process To Achieve Highly Efficient and Thermally Stable Nonlinear Optical Polymers. <i>Macromolecules</i> , 2004, 37, 688-690.	4.8	85
68	Proton ENDOR Studies of Soliton Wave Functions and Dynamics in Polyacetylenes. <i>Journal of Physical Chemistry B</i> , 2004, 108, 8682-8688.	2.6	2
69	A Novel Relaxation Equation of Motion. <i>Journal of Physical Chemistry A</i> , 2004, 108, 1589-1600.	2.5	4
70	Systematic development of high bandwidth, low drive voltage organic electro-optic devices and their applications. <i>Optical Materials</i> , 2003, 21, 19-28.	3.6	79
71	Esters of 5-Carboxyl-5-methyl-1-pyrrolineN-Oxide: A Family of Spin Traps for Superoxide. <i>Journal of Organic Chemistry</i> , 2003, 68, 7811-7817.	3.2	64
72	Unusual Mode of Binding of Human Group IIA Secreted Phospholipase A2 to Anionic Interfaces as Studied by Continuous Wave and Time Domain Electron Paramagnetic Resonance Spectroscopy. <i>Journal of Biological Chemistry</i> , 2002, 277, 30984-30990.	3.4	49

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73	Phosphate backbone neutralization increases duplex DNA flexibility: A model for protein binding. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 4156-4160.	7.1	56
74	Sequence-Dependent Dynamics of Duplex DNA: The Applicability of a Dinucleotide Model. Biophysical Journal, 2002, 83, 3446-3459.	0.5	62
75	Site-Specific Incorporation of Nitroxide Spin-Labels into Internal Sites of the TAR RNA; Structure-Dependent Dynamics of RNA by EPR Spectroscopy. Journal of the American Chemical Society, 2001, 123, 1527-1528.	13.7	114
76	Sequence-Dependent Dynamics in Duplex DNA. Biophysical Journal, 2000, 78, 2560-2571.	0.5	51
77	Monte Carlo Statistical Mechanical Simulations of the Competition of Intermolecular Electrostatic and Poling-Field Interactions in Defining Macroscopic Electro-Optic Activity for Organic Chromophore/Polymer Materials. Journal of Physical Chemistry A, 2000, 104, 4785-4795.	2.5	243
78	Low (Sub-1-Volt) Halfwave Voltage Polymeric Electro-optic Modulators Achieved by Controlling Chromophore Shape. Science, 2000, 288, 119-122.	12.6	920
79	Interfacial membrane docking of cytosolic phospholipase A2 C2 domain using electrostatic potential-modulated spin relaxation magnetic resonance. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 6637-6642.	7.1	87
80	Linewidth Analysis of Spin Labels in Liquids. Journal of Magnetic Resonance, 1999, 138, 199-209.	2.1	125
81	Linewidth Analysis of Spin Labels in Liquids. Journal of Magnetic Resonance, 1999, 138, 210-219.	2.1	54
82	From molecules to opto-chips: organic electro-optic materials. Journal of Materials Chemistry, 1999, 9, 1905-1920.	6.7	388
83	Flexibility of Duplex DNA on the Submicrosecond Timescale. Biophysical Journal, 1999, 77, 3256-3276.	0.5	69
84	A Unified Description of the Spin ² Spin and Spin ² Lattice Relaxation Rates Applied to Nitroxide Spin Labels in Viscous Liquids. Journal of Physical Chemistry B, 1999, 103, 5881-5894.	2.6	33
85	Docking Phospholipase A2 on Membranes Using Electrostatic Potential-Modulated Spin Relaxation Magnetic Resonance. Science, 1998, 279, 1925-1929.	12.6	118
86	Binding of bee venom and human group IIa phospholipases A2 to membranes: a minor role for electrostatics. Biochemical Society Transactions, 1998, 26, 341-345.	3.4	13
87	SITE-SPECIFIC DYNAMICS IN DNA: Experiments. Annual Review of Biophysics and Biomolecular Structure, 1997, 26, 629-658.	18.3	52
88	Synthesis of Duplex DNA Containing a Spin Labeled Analog of 2-Deoxycytidine. Nucleosides & Nucleotides, 1997, 16, 365-377.	0.5	17
89	Comment on "Diffusional spinning as a probe of DNA fragments conformation". J. Chem. Phys. 104, 6058 (1996)]. Journal of Chemical Physics, 1997, 106, 815-816.	3.0	12
90	The role of London forces in defining noncentrosymmetric order of high dipole moment-high hyperpolarizability chromophores in electrically poled polymeric thin films. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 4842-4847.	7.1	207

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91	Encoding of anisotropic diffusion with tetrahedral gradients: A general mathematical diffusion formalism and experimental results. <i>Magnetic Resonance in Medicine</i> , 1996, 35, 399-412.	3.0	276
92	[19] Site-specific dynamics in DNA: Theory and experiment. <i>Methods in Enzymology</i> , 1995, 261, 451-509.	1.0	16
93	Site-Specific Dynamics in DNA: Theory. <i>Annual Review of Biophysics and Biomolecular Structure</i> , 1995, 24, 523-549.	18.3	22
94	A Probe for Sequence-Dependent Nucleic Acid Dynamics. <i>Journal of the American Chemical Society</i> , 1995, 117, 9377-9378.	13.7	53
95	Molecular dynamics in liquids: spin-lattice relaxation of nitroxide spin labels. <i>Science</i> , 1994, 263, 490-493.	12.6	148
96	Using nitroxide spin labels. How to obtain T1e from continuous wave electron paramagnetic resonance spectra at all rotational rates. <i>Biophysical Journal</i> , 1993, 64, 594-604.	0.5	35
97	Direct simulation of continuous wave electron paramagnetic resonance spectra from Brownian dynamics trajectories. <i>Journal of Chemical Physics</i> , 1992, 96, 2609-2616.	3.0	68
98	Analysis of encoding efficiency in MR imaging of velocity magnitude and direction. <i>Magnetic Resonance in Medicine</i> , 1992, 25, 233-247.	3.0	27
99	DNA dynamics from a spin probe: Dependence of probe motion tether length. <i>Tetrahedron Letters</i> , 1990, 31, 593-596.	1.4	37
100	New analysis of soliton dynamics intrans-polyacetylene: Motional effects of dynamic nuclear polarization spectra. <i>Physical Review Letters</i> , 1990, 64, 1773-1776.	7.8	7
101	A theoretical treatment of multiple quantum nuclear spin coherences in electron spin echo studies of polyacetylene. <i>Journal of Chemical Physics</i> , 1990, 92, 978-995.	3.0	11
102	Stimulation of porphyrinogen oxidation by mercuric ion. I. Evidence of free radical formation in the presence of thiols and hydrogen peroxide. <i>Molecular Pharmacology</i> , 1990, 38, 253-60.	2.3	36
103	DNA structural data from a dynamics probe. The dynamic signatures of single stranded, hairpin-looped, and duplex forms of DNA are distinguishable. <i>Journal of the American Chemical Society</i> , 1989, 111, 2303-2305.	13.7	32
104	A rigid and nonperturbing probe for duplex DNA motion. <i>Journal of the American Chemical Society</i> , 1988, 110, 1299-1301.	13.7	96
105	Direct detection of very slow twoâ€jump processes by saturation recovery electron paramagnetic resonance spectroscopy. <i>Journal of Chemical Physics</i> , 1987, 87, 2478-2488.	3.0	9
106	The design of a biochip: a self-assembling molecular-scale memory device. <i>Protein Engineering, Design and Selection</i> , 1987, 1, 295-300.	2.1	156
107	Simulation of double-stranded branch point migration. <i>Biophysical Journal</i> , 1987, 51, 611-626.	0.5	37
108	¹³ C Hyperfine Interactions in t-(¹³ CH) _x Studied by Electron Spin echoes. <i>Molecular Crystals and Liquid Crystals</i> , 1985, 117, 455-458.	0.8	5

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109	Computer-controlled pulsed electron paramagnetic resonance spectrometer. Review of Scientific Instruments, 1985, 56, 1917-1925.	1.3	33
110	The Temperature Dependence of Electron Spin-Lattice Relaxation Data in Trans-Polyacetylene and the Evidence for a Soliton-Phonon Interaction. Molecular Crystals and Liquid Crystals, 1985, 117, 421-429.	0.8	6
111	Interactions and spatial arrangement of spin-labeled NAD ⁺ bound to glyceraldehyde-3-phosphate dehydrogenase. Comparison of EPR and X-ray modeling data. Journal of Biological Chemistry, 1984, 259, 9717-28.	3.4	28
112	Phase-independent Ratio Parameters for Saturation Transfer EPR. Biophysical Journal, 1983, 41, 399-400.	0.5	3
113	Effects of overmodulation on saturation transfer EPR signals. Journal of Chemical Physics, 1983, 78, 2268-2273.	3.0	12
114	Study of polyacetylene and composites of polyacetylene/polyethylene by electron nuclear double resonance, electron nuclear triple resonance, and electron spin echo spectroscopies. Journal of Applied Physics, 1983, 54, 5583-5591.	2.5	27
115	¹⁵ N- and ² H-substituted maleimide spin labels: Improved sensitivity and resolution for biological EPR studies. Proceedings of the National Academy of Sciences of the United States of America, 1981, 78, 967-971.	7.1	47
116	Electron Paramagnetic Resonance Applied to Biological Systems. Journal of Computer Assisted Tomography, 1981, 5, 304.	0.9	0
117	Structural and motional changes in glyceraldehyde-3-phosphate dehydrogenase upon binding to the band-3 protein of the erythrocyte membrane examined with [¹⁵ N, ² H]maleimide spin label and electron paramagnetic resonance. Proceedings of the National Academy of Sciences of the United States of America, 1981, 78, 4955-4959.	7.1	35
118	A simple model for internal motion of DNA based upon EPR studies in the slow motion region. Journal of Chemical Physics, 1980, 73, 4688-4692.	3.0	22
119	Anisotropic rotational diffusion studied by passage saturation transfer electron paramagnetic resonance. Journal of Chemical Physics, 1980, 72, 1312-1324.	3.0	111
120	Crossed TM110 bimodal cavity for measurement of dispersion electron paramagnetic resonance and saturation transfer electron paramagnetic resonance signals for biological materials. Review of Scientific Instruments, 1980, 51, 1714-1721.	1.3	25
121	Analysis of double-helix motions with spin-labeled probes: Binding geometry and the limit of torsional elasticity. Journal of Molecular Biology, 1980, 139, 19-44.	4.2	63
122	EPR and saturation transfer EPR spectra at high microwave field intensities. Chemical Physics, 1979, 36, 207-237.	1.9	29
123	Approximate methods for the fast computation of EPR and ST-EPR spectra. II. Gaussian preconvolution followed by Runge-Kutta solution of the master super. Chemical Physics, 1978, 30, 461-468.	1.9	12
124	The relation between orbital SCF energies and total SCF energies in molecules. Journal of Chemical Physics, 1977, 67, 4616-4617.	3.0	22
125	DNA packing in single crystals inferred from freeze-fracture-etch replicas. Journal of Molecular Biology, 1976, 108, 271-293.	4.2	43
126	Saturation transfer spectroscopy: signals sensitive to very slow molecular reorientation. Chemical Physics, 1976, 16, 393-404.	1.9	40

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127	Endor induced electron paramagnetic resonance: Application to the resolution of overlapping spectra. Chemical Physics, 1976, 18, 321-332.	1.9	12
128	Rapid computer simulation of E.S.R. spectra. Molecular Physics, 1976, 31, 1703-1715.	1.7	25
129	Rapid computer simulation of ESR spectra. Conventional ESR of axially symmetric ¹⁴ N-nitroxide spin labels. Chemical Physics Letters, 1975, 35, 360-366.	2.6	20
130	Theory of nonlinear spin response: Rapid passage for very slow molecular reorientation. Physical Review A, 1975, 11, 488-498.	2.5	33
131	Theory of modulation effects in electron double resonance. Chemical Physics Letters, 1974, 28, 169-175.	2.6	18
132	Fast computer calculation of ESR and nonlinear spin response spectra from the fast motion to the rigid lattice limits. Chemical Physics Letters, 1974, 29, 56-64.	2.6	30
133	Electronic energy approximated as the sum of orbital energies of a scaled model. Journal of Chemical Physics, 1973, 59, 6189-6190.	3.0	14