

Jack H Freed

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253
papers

13,947
citations

64
h-index

106
g-index

269
ext. papers

15,245
ext. citations

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avg, IF

6.52
L-index

#	Paper	IF	Citations
253	Nonlinear-Least-Squares Analysis of Slow-Motion EPR Spectra in One and Two Dimensions Using a Modified Levenberg-Marquardt Algorithm. <i>Journal of Magnetic Resonance Series A</i> , 1996 , 120, 155-189		745
252	Dynamic effects of pair correlation functions on spin relaxation by translational diffusion in liquids. II. Finite jumps and independent T1 processes. <i>Journal of Chemical Physics</i> , 1978 , 68, 4034-4037	3.9	385
251	Electron spin resonance line shapes and saturation in the slow motional region. <i>The Journal of Physical Chemistry</i> , 1971 , 75, 3385-3399		342
250	Stochastic-molecular theory of spin relaxation for liquid crystals. <i>Journal of Chemical Physics</i> , 1977 , 66, 4183-4199	3.9	325
249	The determination of pair distance distributions by pulsed ESR using Tikhonov regularization. <i>Journal of Magnetic Resonance</i> , 2005 , 172, 279-95	3	315
248	Electron spin resonance studies of anisotropic ordering, spin relaxation, and slow tumbling in liquid crystalline solvents. <i>The Journal of Physical Chemistry</i> , 1975 , 79, 2283-2306		268
247	Protein structure determination using long-distance constraints from double-quantum coherence ESR: study of T4 lysozyme. <i>Journal of the American Chemical Society</i> , 2002 , 124, 5304-14	16.4	241
246	Calculation of ESR spectra and related Fokker-Planck forms by the use of the Lanczos algorithm. <i>Journal of Chemical Physics</i> , 1981 , 74, 3757-3773	3.9	237
245	Reconstruction of the chemotaxis receptor-kinase assembly. <i>Nature Structural and Molecular Biology</i> , 2006 , 13, 400-7	17.6	224
244	Membrane-bound alpha-synuclein forms an extended helix: long-distance pulsed ESR measurements using vesicles, bicelles, and rodlike micelles. <i>Journal of the American Chemical Society</i> , 2008 , 130, 12856-7	16.4	222
243	Multiple-quantum ESR and distance measurements. <i>Chemical Physics Letters</i> , 1999 , 313, 145-154	2.5	196
242	Analysis of protein-lipid interactions based on model simulations of electron spin resonance spectra. <i>The Journal of Physical Chemistry</i> , 1984 , 88, 3454-3465		174
241	New technologies in electron spin resonance. <i>Annual Review of Physical Chemistry</i> , 2000 , 51, 655-89	15.7	165
240	Slow Motional ESR in Complex Fluids: The Slowly Relaxing Local Structure Model of Solvent Cage Effects. <i>The Journal of Physical Chemistry</i> , 1995 , 99, 10995-11006		159
239	Anisotropic Rotational Diffusion and Electron Spin Resonance Linewidths. <i>Journal of Chemical Physics</i> , 1964 , 41, 2077-2083	3.9	154
238	Diphthamide biosynthesis requires an organic radical generated by an iron-sulphur enzyme. <i>Nature</i> , 2010 , 465, 891-6	50.4	153
237	Electron-Electron Double Resonance of Free Radicals in Solution. <i>Journal of Chemical Physics</i> , 1968 , 48, 4211-4226	3.9	148

236	An Assessment of the Applicability of Multifrequency ESR to Study the Complex Dynamics of Biomolecules. <i>Journal of Physical Chemistry B</i> , 1999 , 103, 6384-6396	3.4	144
235	Calculating Slow Motional Magnetic Resonance Spectra. <i>Biological Magnetic Resonance</i> , 1989 , 1-76	0.5	144
234	Electron-spin relaxation and ordering in smectic and supercooled nematic liquid crystals. <i>Journal of Chemical Physics</i> , 1982 , 77, 3915-3938	3.9	142
233	A structural mode-coupling approach to ¹⁵ N NMR relaxation in proteins. <i>Journal of the American Chemical Society</i> , 2001 , 123, 3055-63	16.4	126
232	A multifrequency electron spin resonance study of T4 lysozyme dynamics. <i>Biophysical Journal</i> , 1999 , 76, 3298-306	2.9	125
231	Measuring distances by pulsed dipolar ESR spectroscopy: spin-labeled histidine kinases. <i>Methods in Enzymology</i> , 2007 , 423, 52-116	1.7	124
230	Maximum entropy: a complement to Tikhonov regularization for determination of pair distance distributions by pulsed ESR. <i>Journal of Magnetic Resonance</i> , 2005 , 177, 184-96	3	123
229	Two-dimensional electron spin echo spectroscopy and slow motions. <i>Journal of Chemical Physics</i> , 1984 , 81, 37-48	3.9	122
228	Transport domain unlocking sets the uptake rate of an aspartate transporter. <i>Nature</i> , 2015 , 518, 68-73	50.4	120
227	Conformational motion of the ABC transporter MsbA induced by ATP hydrolysis. <i>PLoS Biology</i> , 2007 , 5, e271	9.7	120
226	Rotational jumps of the tyrosine side chain in crystalline enkephalin. Hydrogen-2 NMR line shapes for aromatic ring motions in solids. <i>Journal of the American Chemical Society</i> , 1981 , 103, 7707-7710	16.4	118
225	A New Wavelet Denoising Method for Selecting Decomposition Levels and Noise Thresholds. <i>IEEE Access</i> , 2016 , 4, 3862-3877	3.5	117
224	Electron spin resonance studies of anisotropic ordering, spin relaxation, and slow tumbling in liquid crystalline solvents. 3. Smectics. <i>The Journal of Physical Chemistry</i> , 1979 , 83, 379-401		115
223	1-mm wave ESR spectrometer. <i>Review of Scientific Instruments</i> , 1988 , 59, 1345-1351	1.7	113
222	Coexisting domains in the plasma membranes of live cells characterized by spin-label ESR spectroscopy. <i>Biophysical Journal</i> , 2006 , 90, 4452-65	2.9	112
221	Electron spin resonance characterization of liquid ordered phase of detergent-resistant membranes from RBL-2H3 cells. <i>Biophysical Journal</i> , 1999 , 77, 925-33	2.9	110
220	The SARS-CoV Fusion Peptide Forms an Extended Bipartite Fusion Platform that Perturbs Membrane Order in a Calcium-Dependent Manner. <i>Journal of Molecular Biology</i> , 2017 , 429, 3875-3892	6.5	109
219	Theory of chemically induced dynamic electron polarization. II. <i>Journal of Chemical Physics</i> , 1973 , 59, 2869-2885	3.9	109

218	Multifrequency electron spin resonance study of the dynamics of spin labeled T4 lysozyme. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 5503-21	3.4	108
217	Generalized Cumulant Expansions and Spin-Relaxation Theory. <i>Journal of Chemical Physics</i> , 1968 , 49, 376-391	3.9	108
216	Theory of Saturation and Double-Resonance Effects in ESR Spectra. <i>Journal of Chemical Physics</i> , 1965 , 43, 2312-2332	3.9	107
215	ESR Relaxation Studies on Orbitally Degenerate Free Radicals. I. Benzene Anion and Tropenyl. <i>Journal of Chemical Physics</i> , 1969 , 50, 5243-5257	3.9	106
214	The lipid-binding domain of wild type and mutant alpha-synuclein: compactness and interconversion between the broken and extended helix forms. <i>Journal of Biological Chemistry</i> , 2010 , 285, 28261-74	5.4	104
213	A comparison of generalized cumulant and projection operator methods in spin-relaxation theory. <i>Journal of Chemical Physics</i> , 1975 , 62, 4687-4696	3.9	104
212	Multifrequency two-dimensional Fourier transform ESR: an X/Ku-band spectrometer. <i>Journal of Magnetic Resonance</i> , 1997 , 127, 155-67	3	103
211	Generalized Einstein relations for rotational and translational diffusion of molecules including spin. <i>Journal of Chemical Physics</i> , 1975 , 63, 118-130	3.9	103
210	Conformational ensemble of the sodium-coupled aspartate transporter. <i>Nature Structural and Molecular Biology</i> , 2013 , 20, 215-21	17.6	101
209	Measurement of large distances in biomolecules using double-quantum filtered refocused electron spin-echoes. <i>Journal of the American Chemical Society</i> , 2004 , 126, 7746-7	16.4	96
208	Theory of saturation and double resonance effects in electron spin resonance spectra. II. Exchange vs. dipolar mechanisms. <i>The Journal of Physical Chemistry</i> , 1967 , 71, 38-51		95
207	EPR distance measurements support a model for long-range radical initiation in E. coli ribonucleotide reductase. <i>Journal of the American Chemical Society</i> , 2005 , 127, 15014-5	16.4	93
206	Improved Sensitivity for Long-Distance Measurements in Biomolecules: Five-Pulse Double Electron-Electron Resonance. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 170-175	6.4	92
205	Analysis of electron spin echoes by spectral representation of the stochastic Liouville equation. <i>Journal of Chemical Physics</i> , 1982 , 77, 5410-5425	3.9	92
204	Two-dimensional Fourier transform ESR correlation spectroscopy. <i>Journal of Chemical Physics</i> , 1988 , 88, 4678-4693	3.9	89
203	Mechanistic Insight into the Photocontrolled Cationic Polymerization of Vinyl Ethers. <i>Journal of the American Chemical Society</i> , 2017 , 139, 15530-15538	16.4	87
202	Theory of double quantum two-dimensional electron spin resonance with application to distance measurements. <i>Journal of Chemical Physics</i> , 1997 , 107, 1317-1340	3.9	86
201	Inter-helix distances in lysophospholipid micelle-bound alpha-synuclein from pulsed ESR measurements. <i>Journal of the American Chemical Society</i> , 2006 , 128, 10004-5	16.4	83

200	Theory of chemically induced dynamic electron polarization. III. Initial triplet polarizations. <i>Journal of Chemical Physics</i> , 1975 , 62, 1706-1711	3.9	76
199	Efficient computation of magnetic resonance spectra and related correlation functions from stochastic Liouville equations. <i>The Journal of Physical Chemistry</i> , 1980 , 84, 2837-2840		74
198	Structural dynamics of bio-macromolecules by NMR: the slowly relaxing local structure approach. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2010 , 56, 360-405	10.4	73
197	Ordered and disordered phases coexist in plasma membrane vesicles of RBL-2H3 mast cells. An ESR study. <i>Biophysical Journal</i> , 2003 , 85, 1278-88	2.9	73
196	Analysis of slow-motional electron spin resonance spectra in smectic phases in terms of molecular configuration, intermolecular interactions, and dynamics. <i>The Journal of Physical Chemistry</i> , 1984 , 88, 4995-5004		73
195	Effect of freezing conditions on distances and their distributions derived from Double Electron Resonance (DEER): a study of doubly-spin-labeled T4 lysozyme. <i>Journal of Magnetic Resonance</i> , 2012 , 216, 69-77	3	72
194	Interpretation of electron spin resonance spectra of spin labels undergoing very anisotropic rotational reorientation. Comments. <i>The Journal of Physical Chemistry</i> , 1974 , 78, 1324-1329		71
193	Protein dynamics from NMR: the slowly relaxing local structure analysis compared with model-free analysis. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 8366-96	2.8	69
192	A 250 GHz ESR study of o-terphenyl: Dynamic cage effects above Tc. <i>Journal of Chemical Physics</i> , 1997 , 106, 9996-10015	3.9	68
191	Hydration, structure, and molecular interactions in the headgroup region of dioleoylphosphatidylcholine bilayers: an electron spin resonance study. <i>Biophysical Journal</i> , 2003 , 85, 4023-40	2.9	68
190	Structure of the ternary complex formed by a chemotaxis receptor signaling domain, the CheA histidine kinase, and the coupling protein CheW as determined by pulsed dipolar ESR spectroscopy. <i>Biochemistry</i> , 2010 , 49, 3824-41	3.2	65
189	Tau binds to lipid membrane surfaces via short amphipathic helices located in its microtubule-binding repeats. <i>Biophysical Journal</i> , 2014 , 107, 1441-52	2.9	64
188	A Multifrequency Electron Spin Resonance Study of T4 Lysozyme Dynamics Using the Slowly Relaxing Local Structure Model. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 17649-17659	3.4	64
187	High resolution electron spin resonance microscopy. <i>Journal of Magnetic Resonance</i> , 2003 , 165, 116-27	3	62
186	Electron-spin resonance study of aggregation of gramicidin in dipalmitoylphosphatidylcholine bilayers and hydrophobic mismatch. <i>Biophysical Journal</i> , 1999 , 76, 264-80	2.9	62
185	Signal transduction in light-oxygen-voltage receptors lacking the adduct-forming cysteine residue. <i>Nature Communications</i> , 2015 , 6, 10079	17.4	61
184	Multifrequency electron spin resonance spectra of a spin-labeled protein calculated from molecular dynamics simulations. <i>Journal of the American Chemical Society</i> , 2009 , 131, 2597-605	16.4	61
183	Chain Dynamics and the Simulation of Electron Spin Resonance Spectra from Oriented Phospholipid Membranes. <i>Journal of Physical Chemistry B</i> , 1997 , 101, 8782-8789	3.4	61

182	Dynamics and ordering in mixed model membranes of dimyristoylphosphatidylcholine and dimyristoylphosphatidylserine: a 250-GHz electron spin resonance study using cholestane. <i>Biophysical Journal</i> , 1998 , 75, 2532-46	2.9	61
181	An ESR and ENDOR study of spin relaxation of semiquinones in liquid solution. <i>Journal of Chemical Physics</i> , 1975 , 63, 165-199	3.9	61
180	ESR Studies of Heisenberg Spin Exchange. II. Effects of Radical Charge and Size. <i>Journal of Chemical Physics</i> , 1970 , 52, 2511-2522	3.9	61
179	ESR Line Shapes for Triplets Undergoing Slow Rotational Reorientation. <i>Journal of Chemical Physics</i> , 1971 , 55, 5270-5281	3.9	60
178	An Electron Spin Resonance Study of DNA Dynamics Using the Slowly Relaxing Local Structure Model. <i>Journal of Physical Chemistry B</i> , 2000 , 104, 5372-5381	3.4	57
177	A Multifrequency ESR Study of the Complex Dynamics of Membranes. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 11053-11056	3.4	56
176	Electron spin resonance studies on ordering and rotational diffusion in oriented phosphatidylcholine multilayers: evidence for a new chain-ordering transition. <i>The Journal of Physical Chemistry</i> , 1984 , 88, 6633-6644		56
175	Far-infrared electron-paramagnetic-resonance spectrometer utilizing a quasi-optical reflection bridge. <i>Review of Scientific Instruments</i> , 1996 , 67, 2502-2513	1.7	54
174	A theoretical model of phospholipid dynamics in membranes. <i>Journal of Chemical Physics</i> , 1989 , 91, 5707-5721	3.9	54
173	Structure-Function Studies Link Class II Viral Fusogens with the Ancestral Gamete Fusion Protein HAP2. <i>Current Biology</i> , 2017 , 27, 651-660	6.3	52
172	Aggregation propensities of superoxide dismutase G93 hotspot mutants mirror ALS clinical phenotypes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E4568-76	11.5	52
171	Dynamic molecular structure and phase diagram of DPPC-cholesterol binary mixtures: a 2D-ELDOR study. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 11260-70	3.4	52
170	High-frequency ESR at ACERT. <i>Magnetic Resonance in Chemistry</i> , 2005 , 43 Spec no., S256-66	2.1	52
169	Two-dimensional Fourier transform ESR spectroscopy. <i>Journal of Chemical Physics</i> , 1986 , 85, 5375-5377	3.9	52
168	Aqueous sample holders for high-frequency electron spin resonance. <i>Review of Scientific Instruments</i> , 1997 , 68, 2838-2846	1.7	51
167	Two-Dimensional Electron Spin Resonance and Slow Motions. <i>Journal of Physical Chemistry A</i> , 1997 , 101, 7998-8008	2.8	51
166	A Many-Body Stochastic Approach to Rotational Motions in Liquids. <i>Advances in Chemical Physics</i> , 2007 , 89-206		51
165	Dph3 is an electron donor for Dph1-Dph2 in the first step of eukaryotic diphthamide biosynthesis. <i>Journal of the American Chemical Society</i> , 2014 , 136, 1754-7	16.4	50

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163	Signature of an aggregation-prone conformation of tau. <i>Scientific Reports</i> , 2017 , 7, 44739	4.9	48
162	Electron-spin relaxation and molecular dynamics in liquids. I. Solvent dependence. <i>Journal of Chemical Physics</i> , 1982 , 77, 3344-3359	3.9	48
161	Ca Ions Promote Fusion of Middle East Respiratory Syndrome Coronavirus with Host Cells and Increase Infectivity. <i>Journal of Virology</i> , 2020 , 94,	6.6	47
160	Theory of two-dimensional Fourier transform electron spin resonance for ordered and viscous fluids. <i>Journal of Chemical Physics</i> , 1994 , 101, 5529-5558	3.9	47
159	Cofactors are essential constituents of stable and seeding-active tau fibrils. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 13234-13239	11.5	47
158	Spin-labeled gramicidin a: channel formation and dissociation. <i>Biophysical Journal</i> , 2004 , 87, 3504-17	2.9	46
157	Dynamic molecular structure of DPPC-DLPC-cholesterol ternary lipid system by spin-label electron spin resonance. <i>Biophysical Journal</i> , 2004 , 87, 2483-96	2.9	46
156	Spin-echoes for diffusion in bounded, heterogeneous media: A numerical study. <i>Journal of Chemical Physics</i> , 1980 , 72, 1285-1292	3.9	46
155	Theory of saturation and double resonance in electron spin resonance spectra. VI. Saturation recovery. <i>The Journal of Physical Chemistry</i> , 1974 , 78, 1155-1167		46
154	Locating a lipid at the portal to the lipoxygenase active site. <i>Biophysical Journal</i> , 2012 , 103, 2134-44	2.9	45
153	Multi-frequency EPR determination of zero field splitting of high spin species in liquids: Gd(III) chelates in water. <i>Molecular Physics</i> , 1998 , 95, 1325-1332	1.7	45
152	HAMP domain conformers that propagate opposite signals in bacterial chemoreceptors. <i>PLoS Biology</i> , 2013 , 11, e1001479	9.7	44
151	Polarity profiles in oriented and dispersed phosphatidylcholine bilayers are different: an electron spin resonance study. <i>Biophysical Journal</i> , 1998 , 74, 910-7	2.9	44
150	Calculation of ESR spectra and related Fokker-Planck forms by the use of the Lanczos algorithm. II. Criteria for truncation of basis sets and recursive steps utilizing conjugate gradients. <i>Journal of Chemical Physics</i> , 1987 , 86, 647-661	3.9	43
149	HIV gp41 fusion peptide increases membrane ordering in a cholesterol-dependent fashion. <i>Biophysical Journal</i> , 2014 , 106, 172-81	2.9	42
148	Fusion peptide from influenza hemagglutinin increases membrane surface order: an electron-spin resonance study. <i>Biophysical Journal</i> , 2009 , 96, 4925-34	2.9	42
147	Heisenberg spin exchange and molecular diffusion in liquid crystals. <i>Journal of Chemical Physics</i> , 1989 , 91, 6887-6905	3.9	42

146	Two-dimensional electron-electron double resonance and electron spin-echo study of solute dynamics in smectics. <i>Journal of Chemical Physics</i> , 1989 , 90, 5764-5786	3.9	40
145	Direct determination of rotational correlation time by electron-spin echoes. <i>Journal of Chemical Physics</i> , 1980 , 73, 3502-3503	3.9	40
144	A two-dimensional Fourier transform electron-spin resonance (ESR) study of nuclear modulation and spin relaxation in irradiated malonic acid. <i>Journal of Chemical Physics</i> , 1993 , 98, 3665-3689	3.9	39
143	On Heisenberg Spin Exchange in Liquids. <i>Journal of Chemical Physics</i> , 1966 , 45, 3452-3453	3.9	39
142	Structural basis for membrane anchoring and fusion regulation of the herpes simplex virus fusogen gB. <i>Nature Structural and Molecular Biology</i> , 2018 , 25, 416-424	17.6	38
141	Electron spin resonance studies of lipid-gramicidin interactions utilizing oriented multibilayers. <i>The Journal of Physical Chemistry</i> , 1985 , 89, 350-360		38
140	Mechanism of influenza A M2 transmembrane domain assembly in lipid membranes. <i>Scientific Reports</i> , 2015 , 5, 11757	4.9	37
139	A 2D-ELDOR study of the liquid ordered phase in multilamellar vesicle membranes. <i>Biophysical Journal</i> , 2003 , 84, 2619-33	2.9	37
138	A New Wavelet Denoising Method for Experimental Time-Domain Signals: Pulsed Dipolar Electron Spin Resonance. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 2452-2465	2.8	35
137	Determination of tie-line fields for coexisting lipid phases: an ESR study. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 3957-71	3.4	35
136	Mechanistic understanding of Pyrococcus horikoshii Dph2, a [4Fe-4S] enzyme required for diphthamide biosynthesis. <i>Molecular BioSystems</i> , 2011 , 7, 74-81		34
135	Multifrequency ESR study of spin-labeled molecules in inclusion compounds with cyclodextrins. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 6676-88	3.6	34
134	Millimeter Wave Electron Spin Resonance Using Quasioptical Techniques. <i>Advances in Magnetic and Optical Resonance</i> , 1996 , 253-323		34
133	Electron spin resonance studies of anisotropic ordering, spin relaxation, and slow tumbling in liquid crystalline solvents. 4. Cholestane motions and surface anchoring in smectics. <i>The Journal of Physical Chemistry</i> , 1980 , 84, 2459-2472		34
132	Theory of Saturation and Double Resonance Effects in ESR Spectra. IV. Electron-Nuclear Triple Resonance. <i>Journal of Chemical Physics</i> , 1969 , 50, 2271-2272	3.9	34
131	Key features of an Hsp70 chaperone allosteric landscape revealed by ion-mobility native mass spectrometry and double electron-electron resonance. <i>Journal of Biological Chemistry</i> , 2017 , 292, 8773-8785	5.4	33
130	Characterizing the structure and dynamics of folded oligomers: Pulsed ESR studies of peptoid helices. <i>Chemical Communications</i> , 2007 , 377-9	5.8	33
129	Stochastic modeling of generalized Fokker-Planck equations. I.. <i>Journal of Chemical Physics</i> , 1980 , 72, 550-566	3.9	33

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127	Calcium Ions Directly Interact with the Ebola Virus Fusion Peptide To Promote Structure-Function Changes That Enhance Infection. <i>ACS Infectious Diseases</i> , 2020 , 6, 250-260	5.5	33
126	Organometallic and radical intermediates reveal mechanism of diphthamide biosynthesis. <i>Science</i> , 2018 , 359, 1247-1250	33.3	32
125	Copper-based pulsed dipolar ESR spectroscopy as a probe of protein conformation linked to disease states. <i>Biophysical Journal</i> , 2014 , 107, 1669-74	2.9	32
124	Singular Value Decomposition Method to Determine Distance Distributions in Pulsed Dipolar Electron Spin Resonance. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 5648-5655	6.4	32
123	Molecular Dynamics of a Liquid Crystalline Polymer Studied by Two-Dimensional Fourier Transform and CW ESR. <i>The Journal of Physical Chemistry</i> , 1996 , 100, 15873-15885		32
122	ESR Studies of Heisenberg Spin Exchange. III. An ELDOR Study. <i>Journal of Chemical Physics</i> , 1970 , 52, 321-327	3.9	32
121	Assembly states of FliM and FliG within the flagellar switch complex. <i>Journal of Molecular Biology</i> , 2015 , 427, 867-886	6.5	31
120	Studies of spin relaxation and molecular dynamics in liquid crystals by two-dimensional Fourier transform electron spin resonance. I. Cholestane in butoxy benzylidene-octylaniline and dynamic cage effects. <i>Journal of Chemical Physics</i> , 1996 , 105, 5753-5772	3.9	31
119	Classical time-correlation functions and the Lanczos algorithm. <i>Journal of Chemical Physics</i> , 1981 , 75, 3157-3159	3.9	31
118	Electron-spin relaxation and molecular dynamics in liquids. II. Density dependence. <i>Journal of Chemical Physics</i> , 1982 , 77, 3360-3375	3.9	31
117	Lipid-gramicidin interactions: dynamic structure of the boundary lipid by 2D-ELDOR. <i>Biophysical Journal</i> , 2003 , 84, 3364-78	2.9	30
116	Conformational distributions and hydrogen bonding in gel and frozen lipid bilayers: a high frequency spin-label ESR study. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 6694-706	3.4	29
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113	Slow motional NMR lineshapes for very anisotropic diffusion: I = 1 nuclei. <i>Chemical Physics Letters</i> , 1979 , 64, 311-316	2.5	29
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111	Rotational dynamics of axially symmetric solutes in isotropic solvents. II. The stochastic model. <i>Journal of Chemical Physics</i> , 1996 , 104, 1090-1104	3.9	28

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107	The Interaction between Influenza HA Fusion Peptide and Transmembrane Domain Affects Membrane Structure. <i>Biophysical Journal</i> , 2015 , 109, 2523-2536	2.9	27
106	Studies of spin relaxation and molecular dynamics in liquid crystals by two-dimensional Fourier transform electron spin resonance. II. Perdeuterated-tempone in butoxy benzylidene octylaniline and dynamic cage effects. <i>Journal of Chemical Physics</i> , 1996 , 105, 5773-5791	3.9	27
105	Mode-Coupling SRLS versus Mode-Decoupled Model-Free NMR Bond Dynamics: Mode-Mixing and Renormalization. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 9898-9904	3.4	26
104	A Fabry-Pérot resonator for high-frequency electron spin resonance utilizing a variable coupling scheme. <i>Review of Scientific Instruments</i> , 1998 , 69, 3022-3027	1.7	26
103	Rotational dynamics of axially symmetric solutes in isotropic liquids. I. A collective cage description from molecular dynamics simulations. <i>Journal of Chemical Physics</i> , 1995 , 102, 8094-8106	3.9	26
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100	Pulsed three-dimensional electron spin resonance microscopy. <i>Applied Physics Letters</i> , 2004 , 85, 5430-5432	3.4	25
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