

Derek Marsh

List of Publications by Year in descending order

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253
papers

14,449
citations

18436

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254
docs citations

254
times ranked

8394
citing authors

#	ARTICLE	IF	CITATIONS
1	Geometry and water accessibility of the inhibitor binding site of Na ⁺ -pump: Pulse- and CW-EPR study. Biophysical Journal, 2021, 120, 2679-2690.	0.2	1
2	Reply to "Comment on "Distinct Populations in Spin-Label EPR Spectra from Nitroxides" Journal of Physical Chemistry B, 2019, 123, 2457-2458.	1.2	0
3	Molecular order and T ₁ -relaxation, cross-relaxation in nitroxide spin labels. Journal of Magnetic Resonance, 2018, 290, 38-45.	1.2	10
4	Spin-label Order Parameter Calibrations for Slow Motion. Applied Magnetic Resonance, 2018, 49, 97-106.	0.6	6
5	Ether-linked lipids: Spin-label EPR and spin echoes. Chemistry and Physics of Lipids, 2018, 212, 130-137.	1.5	6
6	Lipid Configurations from Molecular Dynamics Simulations. Biophysical Journal, 2018, 114, 1895-1907.	0.2	14
7	Distinct Populations in Spin-Label EPR Spectra from Nitroxides. Journal of Physical Chemistry B, 2018, 122, 6129-6133.	1.2	8
8	Coherence transfer and electron T ₁ -, T ₂ -relaxation in nitroxide spin labels. Journal of Magnetic Resonance, 2017, 277, 86-94.	1.2	6
9	Nuclear spin-lattice relaxation in nitroxide spin-label EPR. Journal of Magnetic Resonance, 2016, 272, 166-171.	1.2	2
10	Cross relaxation in nitroxide spin labels. Journal of Magnetic Resonance, 2016, 272, 172-180.	1.2	4
11	Equation of State for Phospholipid Self-Assembly. Biophysical Journal, 2016, 110, 188-196.	0.2	11
12	Lipid Librations at the Interface with the Na,K-ATPase. Biophysical Journal, 2015, 108, 2825-2832.	0.2	14
13	Intermediate dipolar distances from spin labels. Journal of Magnetic Resonance, 2014, 238, 77-81.	1.2	1
14	Water Penetration Profile at the Protein-Lipid Interface in Na,K-ATPase Membranes. Biophysical Journal, 2014, 107, 1375-1382.	0.2	11
15	EPR moments for site-directed spin-labelling. Journal of Magnetic Resonance, 2014, 248, 66-70.	1.2	6
16	Heterogeneity of Protein Substates Visualized by Spin-label EPR. Biophysical Journal, 2014, 106, 716-722.	0.2	6
17	Orientation and conformation of lipids in crystals of transmembrane proteins. European Biophysics Journal, 2013, 42, 119-146.	1.2	10
18	Estimating the rotation rate in the vacuolar proton-ATPase in native yeast vacuolar membranes. European Biophysics Journal, 2013, 42, 147-158.	1.2	3

#	ARTICLE	IF	CITATIONS
19	Librational fluctuations in protein glasses. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 1591-1595.	1.1	19
20	Multiple Binding Sites for Fatty Acids on the Potassium Channel KcsA. <i>Biochemistry</i> , 2012, 51, 2889-2898.	1.2	10
21	Effects of Lipid Structure on the State of Aggregation of Potassium Channel KcsA. <i>Biochemistry</i> , 2012, 51, 6010-6016.	1.2	5
22	Thermodynamics of Phospholipid Self-Assembly. <i>Biophysical Journal</i> , 2012, 102, 1079-1087.	0.2	68
23	Phase Diagram of Ternary Cholesterol/Palmitoylsphingomyelin/Palmitoyloleoyl-Phosphatidylcholine Mixtures: Spin-Label EPR Study of Lipid-Raft Formation. <i>Biophysical Journal</i> , 2012, 102, 1856-1865.	0.2	101
24	Bilayer dimensions and hydration of glycolipids. <i>Chemistry and Physics of Lipids</i> , 2012, 165, 23-31.	1.5	6
25	Lateral order in gel, subgel and crystalline phases of lipid membranes: Wide-angle X-ray scattering. <i>Chemistry and Physics of Lipids</i> , 2012, 165, 59-76.	1.5	51
26	Water Adsorption Isotherms of Lipids. <i>Biophysical Journal</i> , 2011, 101, 2704-2712.	0.2	6
27	Spin-echo EPR of Na,K-ATPase unfolding by urea. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 1618-1628.	1.4	14
28	Membrane docking of the C2 domain from protein kinase C α as seen by polarized ATR-IR. The role of PIP2. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 684-695.	1.4	19
29	Lipid composition modulates the interaction of peptides deriving from herpes simplex virus type I glycoproteins B and H with biomembranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 2517-2526.	1.4	22
30	Pivotal surfaces in inverse hexagonal and cubic phases of phospholipids and glycolipids. <i>Chemistry and Physics of Lipids</i> , 2011, 164, 177-183.	1.5	21
31	Electron spin resonance in membrane research: protein ω lipid interactions from challenging beginnings to state of the art. <i>European Biophysics Journal</i> , 2010, 39, 513-525.	1.2	63
32	Spin-Label EPR for Determining Polarity and Proticity in Biomolecular Assemblies: Transmembrane Profiles. <i>Applied Magnetic Resonance</i> , 2010, 37, 435-454.	0.6	55
33	Molecular volumes of phospholipids and glycolipids in membranes. <i>Chemistry and Physics of Lipids</i> , 2010, 163, 667-677.	1.5	48
34	Structural and thermodynamic determinants of chain-melting transition temperatures for phospholipid and glycolipids membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 40-51.	1.4	45
35	Liquid-ordered phases induced by cholesterol: A compendium of binary phase diagrams. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 688-699.	1.4	188
36	Interaction of short modified peptides deriving from glycoprotein gp36 of feline immunodeficiency virus with phospholipid membranes. <i>European Biophysics Journal</i> , 2009, 38, 873-882.	1.2	17

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37	Orientation and Peptide~Lipid Interactions of Alamethicin Incorporated in Phospholipid Membranes: Polarized Infrared and Spin-Label EPR Spectroscopy. <i>Biochemistry</i> , 2009, 48, 729-737.	1.2	36
38	Cholesterol-induced fluid membrane domains: A compendium of lipid-raft ternary phase diagrams. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009, 1788, 2114-2123.	1.4	284
39	Reaction Fields in the Environment of Fluorescent Probes: Polarity Profiles in Membranes. <i>Biophysical Journal</i> , 2009, 96, 2549-2558.	0.2	21
40	Reaction fields and solvent dependence of the EPR parameters of nitroxides: The microenvironment of spin labels. <i>Journal of Magnetic Resonance</i> , 2008, 190, 60-67.	1.2	34
41	Polarity dependence of EPR parameters for TOAC and MTSSL spin labels: Correlation with DOXYL spin labels for membrane studies. <i>Journal of Magnetic Resonance</i> , 2008, 190, 211-221.	1.2	25
42	Osmotic Stress and Viscous Retardation of the Na,K-ATPase Ion Pump. <i>Biophysical Journal</i> , 2008, 94, 2767-2776.	0.2	24
43	Interaction of Spin-Labeled Inhibitors of the Vacuolar H ⁺ -ATPase with the Transmembrane Vo-Sector. <i>Biophysical Journal</i> , 2008, 94, 506-514.	0.2	14
44	Backbone Dynamics of Alamethicin Bound to Lipid Membranes: Spin-Echo Electron Paramagnetic Resonance of TOAC-Spin Labels. <i>Biophysical Journal</i> , 2008, 94, 2698-2705.	0.2	39
45	Energetics of Hydrophobic Matching in Lipid-Protein Interactions. <i>Biophysical Journal</i> , 2008, 94, 3996-4013.	0.2	98
46	Electron spin resonance in membrane research: Protein~lipid interactions. <i>Methods</i> , 2008, 46, 83-96.	1.9	53
47	Phase diagrams of lipid mixtures relevant to the study of membrane rafts. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2008, 1781, 665-684.	1.2	186
48	Stabilization of Na,K~ATPase by ionic interactions. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 835-843.	1.4	20
49	Protein modulation of lipids, and vice-versa, in membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 1545-1575.	1.4	288
50	Incorporation of Transmembrane Peptides from the Vacuolar H ⁺ -ATPase in Phospholipid Membranes: Spin-Label Electron Paramagnetic Resonance and Polarized Infrared Spectroscopy. <i>Biochemistry</i> , 2008, 47, 3937-3949.	1.2	20
51	Interaction of a Peptide Derived from Glycoprotein gp36 of Feline Immunodeficiency Virus and Its Lipoylated Analogue with Phospholipid Membranes. <i>Biochemistry</i> , 2008, 47, 5317-5327.	1.2	35
52	Electron spin-echo studies of spin-labelled lipid membranes and free fatty acids interacting with human serum albumin. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007, 1768, 1541-1549.	1.4	36
53	TOAC Spin Labels in the Backbone of Alamethicin: EPR Studies in Lipid Membranes. <i>Biophysical Journal</i> , 2007, 92, 473-481.	0.2	52
54	Miscibility and Phase Behavior of N-Acylethanolamine/Diacylphosphatidylethanolamine Binary Mixtures of Matched Acyl Chainlengths (n= 14, 16). <i>Biophysical Journal</i> , 2007, 92, 3968-3977.	0.2	12

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55	Lipid Chain-Length Dependence for Incorporation of Alamethicin in Membranes: Electron Paramagnetic Resonance Studies on TOAC-Spin Labeled Analogs. <i>Biophysical Journal</i> , 2007, 92, 4002-4011.	0.2	50
56	Lateral Pressure Profile, Spontaneous Curvature Frustration, and the Incorporation and Conformation of Proteins in Membranes. <i>Biophysical Journal</i> , 2007, 93, 3884-3899.	0.2	285
57	Solvent Dependence of the Rotational Diffusion of TOAC-Spin-Labeled Alamethicin. <i>Chemistry and Biodiversity</i> , 2007, 4, 1269-1274.	1.0	9
58	Membrane Elastic Fluctuations and the Insertion and Tilt of β -Barrel Proteins. <i>Biophysical Journal</i> , 2006, 91, 227-232.	0.2	44
59	Oxygen Profiles in Membranes. <i>Biophysical Journal</i> , 2006, 90, L49-L51.	0.2	31
60	Curvature Elasticity and Refolding of OmpA in Large Unilamellar Vesicles. <i>Biophysical Journal</i> , 2006, 91, L75-L77.	0.2	52
61	Comment on Interpretation of Mechanochemical Properties of Lipid Bilayer Vesicles from the Equation of State or Pressure \times Area Measurement of the Monolayer at the Air \times Water or Oil \times Water Interface. <i>Langmuir</i> , 2006, 22, 2916-2919.	1.6	56
62	Association of β -Synuclein and Mutants with Lipid Membranes: Spin-Label ESR and Polarized IR. <i>Biochemistry</i> , 2006, 45, 3386-3395.	1.2	45
63	Structural Characterization of Na,K-ATPase from Shark Rectal Glands by Extensive Trypsinization. <i>Biochemistry</i> , 2006, 45, 954-963.	1.2	8
64	A divalent-ion binding site on the 16-kDa proton channel from <i>Nephrops norvegicus</i> revealed by EPR spectroscopy. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2006, 1758, 206-212.	1.4	6
65	Lipid \times protein interactions with the Na,K-ATPase. <i>Chemistry and Physics of Lipids</i> , 2006, 141, 94-104.	1.5	34
66	Stoichiometry of lipid interactions with transmembrane proteins-Deduced from the 3D structures. <i>Protein Science</i> , 2006, 15, 1153-1161.	3.1	22
67	Lipid conformation in crystalline bilayers and in crystals of transmembrane proteins. <i>Chemistry and Physics of Lipids</i> , 2006, 141, 48-65.	1.5	16
68	Time-resolved electron spin resonance studies of spin-labelled lipids in membranes. <i>Chemistry and Physics of Lipids</i> , 2006, 141, 142-157.	1.5	64
69	Elastic curvature constants of lipid monolayers and bilayers. <i>Chemistry and Physics of Lipids</i> , 2006, 144, 146-159.	1.5	287
70	Orientation of TOAC amino-acid spin labels in β -helices and β -strands. <i>Journal of Magnetic Resonance</i> , 2006, 180, 305-310.	1.2	23
71	High-field spin-label EPR of lipid membranes. <i>Magnetic Resonance in Chemistry</i> , 2005, 43, S20-S25.	1.1	16
72	Saturation Transfer Spectroscopy of Biological Membranes. <i>Biological Magnetic Resonance</i> , 2005, , 309-367.	0.4	7

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73	Structural characterization of copper(II) binding to $\hat{\alpha}$ -synuclein: Insights into the bioinorganic chemistry of Parkinson's disease. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 4294-4299.	3.3	364
74	Orientation of $\hat{\alpha}$ -Barrel Proteins OmpA and FhuA in Lipid Membranes. Chain Length Dependence from Infrared Dichroism. Biochemistry, 2005, 44, 3515-3523.	1.2	46
75	Domain Formation in Sphingomyelin/Cholesterol Mixed Membranes Studied by Spin-Label Electron Spin Resonance Spectroscopy. Biochemistry, 2005, 44, 4911-4918.	1.2	81
76	Water Concentration Profiles in Membranes Measured by ESEEM of Spin-Labeled Lipids. Journal of Physical Chemistry B, 2005, 109, 12003-12013.	1.2	116
77	Association of Spin-Labeled Lipids with $\hat{\alpha}$ -Barrel Proteins from the Outer Membrane of Escherichia coli. Biochemistry, 2004, 43, 11630-11636.	1.2	28
78	Simulation Studies on High-Field EPR Spectra of Lipid Spin Labels in Cholesterol-Containing Membranes. Journal of Physical Chemistry B, 2004, 108, 9403-9411.	1.2	14
79	Echo-Detected Electron Paramagnetic Resonance Spectra of Spin-Labeled Lipids in Membrane Model Systems. Journal of Physical Chemistry B, 2004, 108, 4501-4507.	1.2	49
80	Librational Motion of Spin-Labeled Lipids in High-Cholesterol Containing Membranes from Echo-Detected EPR Spectra. Biophysical Journal, 2004, 87, 3873-3881.	0.2	61
81	Spin-labelled vacuolar-ATPase inhibitors in lipid membranes. Biochimica Et Biophysica Acta - Biomembranes, 2004, 1665, 177-183.	1.4	15
82	The protein-lipid interface: perspectives from magnetic resonance and crystal structures. Biochimica Et Biophysica Acta - Biomembranes, 2004, 1666, 118-141.	1.4	76
83	Infrared Dichroism of Isotope-edited $\hat{\alpha}$ -Helices and $\hat{\alpha}$ -Sheets. Journal of Molecular Biology, 2004, 338, 353-367.	2.0	20
84	Lateral Ordering of Lipid Chains in Cholesterol-Containing Membranes: High-Field Spin-Label EPR. Biophysical Journal, 2004, 86, 264-271.	0.2	32
85	Orientation and Lipid-Peptide Interactions of Gramicidin A in Lipid Membranes: Polarized Attenuated Total Reflection Infrared Spectroscopy and Spin-Label Electron Spin Resonance. Biophysical Journal, 2004, 86, 1521-1531.	0.2	41
86	Scaling and Mean-Field Theories Applied to Polymer Brushes. Biophysical Journal, 2004, 86, 2630-2633.	0.2	18
87	HF EPR Spectra of Spin Labels in Membranes. Biological Magnetic Resonance, 2004, , 431-464.	0.4	6
88	Lipid-binding proteins: Structure of the phospholipid ligands. Protein Science, 2003, 12, 2109-2117.	3.1	19
89	Chain dynamics in the low-temperature phases of lipid membranes by electron spin-echo spectroscopy. Journal of Magnetic Resonance, 2003, 162, 371-379.	1.2	21
90	$\hat{\alpha}$ -Synuclein Association with Phosphatidylglycerol Probed by Lipid Spin Labels. Biochemistry, 2003, 42, 12919-12926.	1.2	101

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91	Lipid-protein interactions in Escherichia coli membranes over-expressing the sugar-H ⁺ symporter, GalP. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2003, 1611, 243-248.	1.4	7
92	Shifts in chain-melting transition temperature of liposomal membranes by polymer-grafted lipids. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2003, 1614, 165-170.	1.4	24
93	Lipid membranes with grafted polymers: physicochemical aspects. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2003, 1615, 33-59.	1.4	198
94	Oxygen Permeation Profile in Lipid Membranes: Comparison with Transmembrane Polarity Profile. <i>Biophysical Journal</i> , 2003, 85, 1005-1012.	0.2	60
95	Lipid Membrane Polarity Profiles by High-Field EPR. <i>Biophysical Journal</i> , 2003, 85, 1025-1033.	0.2	108
96	Intramembrane Polarity by Electron Spin Echo Spectroscopy of Labeled Lipids. <i>Biophysical Journal</i> , 2003, 84, 1025-1030.	0.2	42
97	New biophysical probes for structure-activity analyses of vacuolar-H ⁺ -ATPase enzymes. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 4361-4363.	1.5	8
98	Lipid-Protein Interactions with Cardiac Phospholamban Studied by Spin-Label Electron Spin Resonance. <i>Biochemistry</i> , 2003, 42, 5151-5158.	1.2	11
99	Interaction of human serum albumin with membranes containing polymer-grafted lipids: spin-label ESR studies in the mushroom and brush regimes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2002, 1564, 237-242.	1.4	46
100	Polarity Contributions to Hyperfine Splittings of Hydrogen-Bonded Nitroxides-The Microenvironment of Spin Labels. <i>Journal of Magnetic Resonance</i> , 2002, 157, 114-118.	1.2	26
101	Membrane water-penetration profiles from spin labels. <i>European Biophysics Journal</i> , 2002, 31, 559-562.	1.2	76
102	High-field electron spin resonance of spin labels in membranes. <i>Chemistry and Physics of Lipids</i> , 2002, 116, 93-114.	1.5	45
103	Elastic Constants of Polymer-Grafted Lipid Membranes. <i>Biophysical Journal</i> , 2001, 81, 2154-2162.	0.2	54
104	Infrared Dichroism from the X-Ray Structure of Bacteriorhodopsin. <i>Biophysical Journal</i> , 2001, 80, 305-312.	0.2	36
105	Lipid Membrane Expansion and Micelle Formation by Polymer-Grafted Lipids: Scaling with Polymer Length Studied by Spin-Label Electron Spin Resonance. <i>Biophysical Journal</i> , 2001, 80, 1372-1383.	0.2	60
106	Tilt, Twist, and Coiling in β -Barrel Membrane Proteins: Relation to Infrared Dichroism. <i>Biophysical Journal</i> , 2001, 80, 2789-2797.	0.2	33
107	Specific spin labelling of the sugar-H ⁺ symporter, GalP, in cell membranes of Escherichia coli : site mobility and overall rotational diffusion of the protein. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2001, 1510, 464-473.	1.4	9
108	Specific Surface Association of Avidin with N-Biotinylphosphatidylethanolamine Membrane Assemblies: Effect on Lipid Phase Behavior and Acyl-Chain Dynamics. <i>Biochemistry</i> , 2001, 40, 14869-14877.	1.2	8

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109	Constrained modeling of spin-labeled major coat protein mutants from M13 bacteriophage in a phospholipid bilayer. <i>Protein Science</i> , 2001, 10, 979-987.	3.1	11
110	Interaction of Cholesterol with Sphingomyelin in Mixed Membranes Containing Phosphatidylcholine, Studied by Spin-Label ESR and IR Spectroscopies. A Possible Stabilization of Gel-Phase Sphingolipid Domains by Cholesterol. <i>Biochemistry</i> , 2001, 40, 2614-2622.	1.2	146
111	Derivatized lipids in membranes. Physico-chemical aspects of N-biotinyl phosphatidylethanolamines, N-acyl phosphatidylethanolamines and N-acyl ethanolamines. <i>Chemistry and Physics of Lipids</i> , 2000, 105, 43-69.	1.5	36
112	Infrared dichroism of twisted β -sheet barrels. The structure of E. coli outer membrane proteins. <i>Journal of Molecular Biology</i> , 2000, 297, 803-808.	2.0	24
113	Molecular and Mesoscopic Properties of Hydrophilic Polymer-Grafted Phospholipids Mixed with Phosphatidylcholine in Aqueous Dispersion: Interaction of Dipalmitoyl N-Poly(Ethylene Glycol) Phosphatidylethanolamine with Dipalmitoylphosphatidylcholine Studied by Spectrophotometry and Spin-Label Electron Spin Resonance. <i>Biophysical Journal</i> , 2000, 78, 1420-1430.	0.2	47
114	Orientation of the Infrared Transition Moments for an α -Helix. <i>Biophysical Journal</i> , 2000, 78, 2499-2510.	0.2	129
115	Comparative dynamics and location of chain spin-labelled sphingomyelin and phosphatidylcholine in dimyristoyl phosphatidylcholine membranes studied by EPR spectroscopy. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2000, 1468, 359-366.	1.4	19
116	Nonlinear Electron Paramagnetic Resonance Studies of the Interaction of Cytochrome c Oxidase with Spin-Labeled Lipids in Gel-Phase Membranes. <i>Biochemistry</i> , 2000, 39, 2355-2361.	1.2	6
117	Membrane Location of Spin-Labeled Cytochrome c Determined by Paramagnetic Relaxation Agents. <i>Biochemistry</i> , 2000, 39, 6066-6074.	1.2	65
118	Different Membrane Anchoring Positions of Tryptophan and Lysine in Synthetic Transmembrane α -Helical Peptides. <i>Journal of Biological Chemistry</i> , 1999, 274, 20839-20846.	1.6	298
119	Thermodynamic Analysis of Chain-Melting Transition Temperatures for Monounsaturated Phospholipid Membranes: Dependence on cis-Monoenoic Double Bond Position. <i>Biophysical Journal</i> , 1999, 77, 953-963.	0.2	20
120	Quantitation of Secondary Structure in ATR Infrared Spectroscopy. <i>Biophysical Journal</i> , 1999, 77, 2630-2637.	0.2	64
121	Binding of Peripheral Proteins to Mixed Lipid Membranes: Effect of Lipid Demixing upon Binding. <i>Biophysical Journal</i> , 1999, 76, 2575-2586.	0.2	124
122	Interactions between Lipid-Anchored and Transmembrane Proteins. Spin-Label ESR Studies on Avidin-Biotinyl Phosphatidylethanolamine in Membrane Recombinants with Myelin Proteolipid Proteins. <i>Biochemistry</i> , 1999, 38, 16333-16339.	1.2	8
123	Membrane Assembly of the 16-kDa Proteolipid Channel from <i>Nephrops norvegicus</i> Studied by Relaxation Enhancements in Spin-Label ESR. <i>Biochemistry</i> , 1999, 38, 14311-14319.	1.2	24
124	Microsecond Motions of the Lipids Associated with Trypsinized Na,K-ATPase Membranes. Progressive Saturation Spin-Label Electron Spin Resonance Studies. <i>Biochemistry</i> , 1999, 38, 10084-10091.	1.2	12
125	[4] Spin-label electron spin resonance and fourier transform infrared spectroscopy for structural/dynamic measurements on ion channels. <i>Methods in Enzymology</i> , 1999, 294, 59-92.	0.4	25
126	Structure, dynamics and composition of the lipid-protein interface. Perspectives from spin-labelling. <i>BBA - Biomembranes</i> , 1998, 1376, 267-296.	7.9	239

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127	Selectivity of lipid-protein interactions with trypsinized Na,K-ATPase studied by spin-label EPR. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1998, 1371, 163-167.	1.4	12
128	Chain-melting transition temperatures of phospholipids with acylated or alkylated headgroups (N-acyl) Tj ETQq0 0 0 rgBT /Overlock 10 T <i>Biophysica Acta - Biomembranes</i> , 1998, 1414, 249-254.	1.4	7
129	Cytochrome c-Induced Increase of Motionally Restricted Lipid in Reconstituted Cytochrome c Oxidase Membranes, Revealed by Spin-Label ESR Spectroscopy. <i>Biochemistry</i> , 1998, 37, 11579-11585.	1.2	20
130	Influence of Lipid/Peptide Hydrophobic Mismatch on the Thickness of Diacylphosphatidylcholine Bilayers. A ² H NMR and ESR Study Using Designed Transmembrane α -Helical Peptides and Gramicidin A. <i>Biochemistry</i> , 1998, 37, 9333-9345.	1.2	248
131	Nonaxiality in Infrared Dichroic Ratios of Polytopic Transmembrane Proteins. <i>Biophysical Journal</i> , 1998, 75, 354-358.	0.2	20
132	Protein-Induced Vertical Lipid Dislocation in a Model Membrane System: Spin-Label Relaxation Studies on Avidin-Biotinylphosphatidylethanolamine Interactions. <i>Biophysical Journal</i> , 1998, 75, 2915-2922.	0.2	11
133	Recent developments in spin labelling. <i>Physics in Medicine and Biology</i> , 1998, 43, 1977-1986.	1.6	6
134	Characterization of the Secondary Structure and Assembly of the Transmembrane Domains of Trypsinized Na,K-ATPase by Fourier Transform Infrared Spectroscopy. <i>Journal of Biological Chemistry</i> , 1997, 272, 25685-25692.	1.6	23
135	Non-linear, continuous-wave EPR spectroscopy and spin-lattice relaxation: spin-label EPR methods for structure and dynamics. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1997, , 2545-2548.	0.9	8
136	Membrane Location of Spin-Labeled M13 Major Coat Protein Mutants Determined by Paramagnetic Relaxation Agents. <i>Biochemistry</i> , 1997, 36, 8261-8268.	1.2	26
137	Spin-Label Studies on the Anchoring and Lipid-Protein Interactions of Avidin with N-Biotinylphosphatidylethanolamines in Lipid Bilayer Membranes. <i>Biochemistry</i> , 1997, 36, 7403-7407.	1.2	22
138	Interaction of Bee Venom Melittin with Zwitterionic and Negatively Charged Phospholipid Bilayers. <i>Biophysical Journal</i> , 1997, 72, 767-778.	0.2	75
139	Phosphatidylcholine-fatty acid membranes: effects of headgroup hydration on the phase behaviour and structural parameters of the gel and inverse hexagonal (HII) phases. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1997, 1327, 131-147.	1.4	76
140	Stoichiometry of lipid-protein interaction and integral membrane protein structure. <i>European Biophysics Journal</i> , 1997, 26, 203-208.	1.2	61
141	Magnetic resonance of lipids and proteins in membranes. <i>Current Opinion in Colloid and Interface Science</i> , 1997, 2, 4-14.	3.4	12
142	Extracting order parameters from powder EPR lineshapes for spin-labelled lipids in membranes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1997, 53, 2235-2240.	2.0	20
143	Components of the lateral pressure in lipid bilayers deduced from HII phase dimensions. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1996, 1279, 119-123.	1.4	19
144	Peptides Modeled on the Transmembrane Region of the Slow Voltage-Gated IsK Potassium Channel: A Structural Characterization of Peptide Assemblies in the β -Strand Conformation. <i>Biochemistry</i> , 1996, 35, 16213-16221.	1.2	40

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