

# Derek Marsh

## List of Publications by Year in descending order

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253  
papers

14,449  
citations

18465

62  
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25770

108  
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254  
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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 <sup>+</sup> -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 <sub>1</sub> -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 <sub>1</sub> -, T <sub>2</sub> -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

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

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91	Lipid-protein interactions in Escherichia coli membranes over-expressing the sugar-H <sup>+</sup> symporter, GalP. Biochimica Et Biophysica Acta - Biomembranes, 2003, 1611, 243-248.	1.4	7
92	Shifts in chain-melting transition temperature of liposomal membranes by polymer-grafted lipids. Biochimica Et Biophysica Acta - Biomembranes, 2003, 1614, 165-170.	1.4	24
93	Lipid membranes with grafted polymers: physicochemical aspects. Biochimica Et Biophysica Acta - Biomembranes, 2003, 1615, 33-59.	1.4	198
94	Oxygen Permeation Profile in Lipid Membranes: Comparison with Transmembrane Polarity Profile. Biophysical Journal, 2003, 85, 1005-1012.	0.2	60
95	Lipid Membrane Polarity Profiles by High-Field EPR. Biophysical Journal, 2003, 85, 1025-1033.	0.2	108
96	Intramembrane Polarity by Electron Spin Echo Spectroscopy of Labeled Lipids. Biophysical Journal, 2003, 84, 1025-1030.	0.2	42
97	New biophysical probes for structure-activity analyses of vacuolar-H <sup>+</sup> -ATPase enzymes. Organic and Biomolecular Chemistry, 2003, 1, 4361-4363.	1.5	8
98	Lipid-Protein Interactions with Cardiac Phospholamban Studied by Spin-Label Electron Spin Resonance. Biochemistry, 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. Biochimica Et Biophysica Acta - Biomembranes, 2002, 1564, 237-242.	1.4	46
100	Polarity Contributions to Hyperfine Splittings of Hydrogen-Bonded Nitroxides-The Microenvironment of Spin Labels. Journal of Magnetic Resonance, 2002, 157, 114-118.	1.2	26
101	Membrane water-penetration profiles from spin labels. European Biophysics Journal, 2002, 31, 559-562.	1.2	76
102	High-field electron spin resonance of spin labels in membranes. Chemistry and Physics of Lipids, 2002, 116, 93-114.	1.5	45
103	Elastic Constants of Polymer-Grafted Lipid Membranes. Biophysical Journal, 2001, 81, 2154-2162.	0.2	54
104	Infrared Dichroism from the X-Ray Structure of Bacteriorhodopsin. Biophysical Journal, 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. Biophysical Journal, 2001, 80, 1372-1383.	0.2	60
106	Tilt, Twist, and Coiling in $\beta$ -Barrel Membrane Proteins: Relation to Infrared Dichroism. Biophysical Journal, 2001, 80, 2789-2797.	0.2	33
107	Specific spin labelling of the sugar-H <sup>+</sup> symporter, GalP, in cell membranes of Escherichia coli : site mobility and overall rotational diffusion of the protein. Biochimica Et Biophysica Acta - Biomembranes, 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. Biochemistry, 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 $\beta$ -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 $\alpha$ -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 $\alpha$ -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 2H NMR and ESR Study Using Designed Transmembrane $\alpha$ -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 $\beta$ -Strand Conformation. <i>Biochemistry</i> , 1996, 35, 16213-16221.	1.2	40

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145	Peptide models for membrane channels. <i>Biochemical Journal</i> , 1996, 315, 345-361.	1.7	97
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