

Derek Marsh

List of Publications by Year in descending order

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18436

62
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25716

108
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254
all docs

254
docs citations

254
times ranked

8394
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#	ARTICLE	IF	CITATIONS
1	Lateral pressure in membranes. BBA - Biomembranes, 1996, 1286, 183-223.	7.9	935
2	Structural characterization of copper(II) binding to \hat{A} -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
3	Calorimetric studies of the gel-fluid (L.beta.-L.alpha.) and lamellar-inverted hexagonal (L.alpha.-HII) phase transitions in dialkyl- and diacylphosphatidylethanolamines. Biochemistry, 1983, 22, 1280-1289.	1.2	313
4	Different Membrane Anchoring Positions of Tryptophan and Lysine in Synthetic Transmembrane $\hat{I}\pm$ -Helical Peptides. Journal of Biological Chemistry, 1999, 274, 20839-20846.	1.6	298
5	Protein modulation of lipids, and vice-versa, in membranes. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 1545-1575.	1.4	288
6	Elastic curvature constants of lipid monolayers and bilayers. Chemistry and Physics of Lipids, 2006, 144, 146-159.	1.5	287
7	Lateral Pressure Profile, Spontaneous Curvature Frustration, and the Incorporation and Conformation of Proteins in Membranes. Biophysical Journal, 2007, 93, 3884-3899.	0.2	285
8	Cholesterol-induced fluid membrane domains: A compendium of lipid-raft ternary phase diagrams. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 2114-2123.	1.4	284
9	X-ray diffraction study of the polymorphism of hydrated diacyl and dialkylphosphatidylethanolamines. Biochemistry, 1984, 23, 2634-2644.	1.2	277
10	Influence of Lipid/Peptide Hydrophobic Mismatch on the Thickness of Diacylphosphatidylcholine Bilayers. A 2H NMR and ESR Study Using Designed Transmembrane $\hat{I}\pm$ -Helical Peptides and Gramicidin A. Biochemistry, 1998, 37, 9333-9345.	1.2	248
11	Structure, dynamics and composition of the lipid-protein interface. Perspectives from spin-labelling. BBA - Biomembranes, 1998, 1376, 267-296.	7.9	239
12	Titration of the phase transition of phosphatidylserine bilayer membranes. Effects of pH, surface electrostatics, ion binding, and head-group hydration. Biochemistry, 1981, 20, 4955-4965.	1.2	236
13	Evidence for phase boundary lipid. Permeability of tempo-choline into dimyristoylphosphatidylcholine vesicles at the phase transition. Biochemistry, 1976, 15, 3570-3578.	1.2	226
14	Lipid membranes with grafted polymers: physicochemical aspects. Biochimica Et Biophysica Acta - Biomembranes, 2003, 1615, 33-59.	1.4	198
15	Liquid-ordered phases induced by cholesterol: A compendium of binary phase diagrams. Biochimica Et Biophysica Acta - Biomembranes, 2010, 1798, 688-699.	1.4	188
16	Phase diagrams of lipid mixtures relevant to the study of membrane rafts. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2008, 1781, 665-684.	1.2	186
17	Molecular motion in phospholipid bilayers in the gel phase: long axis rotation. Biochemistry, 1980, 19, 1632-1637.	1.2	175
18	Protein rotational diffusion and lipid/protein interactions in recombinants of bovine rhodopsin with saturated diacylphosphatidylcholines of different chain lengths studied by conventional and saturation-transfer electron spin resonance. Biochemistry, 1992, 31, 7511-7518.	1.2	175

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19	Rhodopsin-lipid associations in bovine rod outer segment membranes. Identification of immobilized lipid by spin-labels. <i>Biochemistry</i> , 1979, 18, 5006-5013.	1.2	170
20	Spin-label studies of lipid immobilization in dimyristoylphosphatidylcholine-substituted cytochrome oxidase. <i>Biochemistry</i> , 1979, 18, 4480-4487.	1.2	170
21	Incorporation of ganglioside analogs into fibroblast cell membranes. A spin-label study. <i>Biochemistry</i> , 1983, 22, 5041-5048.	1.2	160
22	General features of phospholipid phase transitions. <i>Chemistry and Physics of Lipids</i> , 1991, 57, 109-120.	1.5	155
23	Interactions of Hydrophobic Lung Surfactant Proteins SP-B and SP-C with Dipalmitoylphosphatidylcholine and Dipalmitoylphosphatidylglycerol Bilayers Studied by Electron Spin Resonance Spectroscopy. <i>Biochemistry</i> , 1995, 34, 3964-3971.	1.2	155
24	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
25	Characterization of dimyristoylphosphatidylcholine vesicles and their dimensional changes through the phase transition: molecular control of membrane morphology. <i>Biochemistry</i> , 1978, 17, 1792-1801.	1.2	129
26	Orientation of the Infrared Transition Moments for an α -Helix. <i>Biophysical Journal</i> , 2000, 78, 2499-2510.	0.2	129
27	Charge-induced tilt in ordered-phase phosphatidylglycerol bilayers Evidence from x-ray diffraction. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1981, 645, 91-96.	1.4	126
28	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
29	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
30	Gel-to-inverted hexagonal (L_2 -HII) phase transitions in phosphatidylethanolamines and fatty acid-phosphatidylcholine mixtures, demonstrated by ^{31}P -NMR spectroscopy and X-ray diffraction. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1982, 690, 117-123.	1.4	112
31	Lipid Membrane Polarity Profiles by High-Field EPR. <i>Biophysical Journal</i> , 2003, 85, 1025-1033.	0.2	108
32	Spin-label studies of head-group specificity in the interaction of phospholipids with yeast cytochrome oxidase. <i>Biochemistry</i> , 1981, 20, 5888-5894.	1.2	103
33	α -Synuclein Association with Phosphatidylglycerol Probed by Lipid Spin Labels. <i>Biochemistry</i> , 2003, 42, 12919-12926.	1.2	101
34	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
35	Cytochrome c-lipid interactions studied by resonance Raman and phosphorus-31 NMR spectroscopy. Correlation between the conformational changes of the protein and the lipid bilayer. <i>Biochemistry</i> , 1991, 30, 9084-9089.	1.2	99
36	Energetics of Hydrophobic Matching in Lipid-Protein Interactions. <i>Biophysical Journal</i> , 2008, 94, 3996-4013.	0.2	98

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37	Peptide models for membrane channels. <i>Biochemical Journal</i> , 1996, 315, 345-361.	1.7	97
38	Interfacial ionization and partitioning of membrane-bound local anaesthetics. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1992, 1103, 62-68.	1.4	94
39	Induction of the lamellar-inverted hexagonal phase transition in cardiolipin by protons and monovalent cations. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1983, 734, 347-352.	1.4	91
40	Stoichiometry and specificity of lipid-protein interaction with myelin proteolipid protein studied by spin-label electron spin resonance. <i>Biochemistry</i> , 1984, 23, 860-865.	1.2	86
41	Binary phase diagram of hydrated dimyristoylglycerol-dimyristoylphosphatidylcholine mixtures. <i>Biophysical Journal</i> , 1992, 63, 1369-1378.	0.2	84
42	Apocytochrome c binding to negatively charged lipid dispersions studied by spin-label electron spin resonance. <i>Biochemistry</i> , 1986, 25, 2904-2910.	1.2	83
43	Evidence for a common structure for a class of membrane channels. <i>FEBS Journal</i> , 1993, 213, 21-30.	0.2	82
44	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
45	Non-electrostatic contribution to the titration of the ordered-fluid phase transition of phosphatidylglycerol bilayers. <i>FEBS Letters</i> , 1980, 120, 267-270.	1.3	80
46	Spin-label studies of lipid-protein interactions in sodium-potassium ATPase membranes from rectal glands of <i>Squalus acanthias</i> . <i>Biochemistry</i> , 1985, 24, 1386-1393.	1.2	78
47	Spin-label studies on the specificity of interaction of cardiolipin with beef heart cytochrome oxidase. <i>Biochemistry</i> , 1987, 26, 8138-8145.	1.2	78
48	Spin-label studies on the origin of the specificity of lipid-protein interactions in sodium-potassium ATPase membranes from <i>Squalus acanthias</i> . <i>Biochemistry</i> , 1985, 24, 3572-3578.	1.2	77
49	Polymorphic phase behavior of cardiolipin derivatives studied by phosphorus-31 NMR and x-ray diffraction. <i>Biochemistry</i> , 1985, 24, 2902-2908.	1.2	76
50	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
51	Membrane water-penetration profiles from spin labels. <i>European Biophysics Journal</i> , 2002, 31, 559-562.	1.2	76
52	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
53	Interaction of Bee Venom Melittin with Zwitterionic and Negatively Charged Phospholipid Bilayers. <i>Biophysical Journal</i> , 1997, 72, 767-778.	0.2	75
54	Exchange rates at the lipid-protein interface of myelin proteolipid protein studied by spin-label electron spin resonance. <i>Biochemistry</i> , 1988, 27, 46-52.	1.2	74

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55	Lipid-protein interactions in membranes. FEBS Letters, 1990, 268, 371-375.	1.3	74
56	Activation of beef-heart cytochrome c oxidase by cardiolipin and analogues of cardiolipin. Biochimica Et Biophysica Acta - Bioenergetics, 1990, 1020, 34-42.	0.5	74
57	Molecular exchange at the lipid-rhodopsin interface: spin-label electron spin resonance studies of rhodopsin-dimyristoylphosphatidylcholine recombinants. Biochemistry, 1987, 26, 3234-3240.	1.2	71
58	Thermodynamics of Phospholipid Self-Assembly. Biophysical Journal, 2012, 102, 1079-1087.	0.2	68
59	Investigations on the insertion of the mitochondrial precursor protein apocytochrome c into model membranes. Biochimica Et Biophysica Acta - Biomembranes, 1985, 818, 398-409.	1.4	67
60	Membrane Location of Spin-Labeled Cytochrome c Determined by Paramagnetic Relaxation Agents. Biochemistry, 2000, 39, 6066-6074.	1.2	65
61	Quantitation of Secondary Structure in ATR Infrared Spectroscopy. Biophysical Journal, 1999, 77, 2630-2637.	0.2	64
62	Time-resolved electron spin resonance studies of spin-labelled lipids in membranes. Chemistry and Physics of Lipids, 2006, 141, 142-157.	1.5	64
63	Electron spin resonance in membrane research: protein-lipid interactions from challenging beginnings to state of the art. European Biophysics Journal, 2010, 39, 513-525.	1.2	63
64	Stoichiometry of lipid-protein interaction and integral membrane protein structure. European Biophysics Journal, 1997, 26, 203-208.	1.2	61
65	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
66	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
67	Oxygen Permeation Profile in Lipid Membranes: Comparison with Transmembrane Polarity Profile. Biophysical Journal, 2003, 85, 1005-1012.	0.2	60
68	Spin-label answers to lipid-protein interactions. Trends in Biochemical Sciences, 1983, 8, 330-333.	3.7	56
69	Comment on Interpretation of Mechanochemical Properties of Lipid Bilayer Vesicles from the Equation of State or Pressure-Area Measurement of the Monolayer at the Air-Water or Oil-Water Interface. Langmuir, 2006, 22, 2916-2919.	1.6	56
70	Influence of lipid headgroup on the specificity and exchange dynamics in lipid-protein interactions. A spin-label study of myelin proteolipid apoprotein-phospholipid complexes. Biochemistry, 1988, 27, 5296-5304.	1.2	55
71	Spin-Label EPR for Determining Polarity and Proticity in Biomolecular Assemblies: Transmembrane Profiles. Applied Magnetic Resonance, 2010, 37, 435-454.	0.6	55
72	Head group and chain length dependence of phospholipid self-assembly studied by spin-label electron spin resonance. Biochemistry, 1987, 26, 1224-1231.	1.2	54

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73	Effect of acyl chain composition on salt-induced lamellar to inverted hexagonal phase transitions in cardiolipin. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1989, 980, 389-392.	1.4	54
74	Spin-label ESR studies of lipid-protein interactions in thylakoid membranes. <i>Biochemistry</i> , 1989, 28, 7446-7452.	1.2	54
75	Lipid chain motion in an interdigitated gel phase: conventional and saturation transfer ESR of spin-labeled lipids in dipalmitoylphosphatidylcholine-glycerol dispersions. <i>Biochemistry</i> , 1993, 32, 274-281.	1.2	54
76	Elastic Constants of Polymer-Grafted Lipid Membranes. <i>Biophysical Journal</i> , 2001, 81, 2154-2162.	0.2	54
77	Lipid mobility and order in bovine rod outer segment disk membranes. A spin-label study of lipid-protein interactions. <i>Biochemistry</i> , 1987, 26, 29-39.	1.2	53
78	Electron spin resonance in membrane research: Protein-lipid interactions. <i>Methods</i> , 2008, 46, 83-96.	1.9	53
79	Curvature Elasticity and Refolding of OmpA in Large Unilamellar Vesicles. <i>Biophysical Journal</i> , 2006, 91, L75-L77.	0.2	52
80	TOAC Spin Labels in the Backbone of Alamethicin: EPR Studies in Lipid Membranes. <i>Biophysical Journal</i> , 2007, 92, 473-481.	0.2	52
81	Analysis of the chainlength dependence of lipid phase transition temperatures: Main and pretransitions of phosphatidylcholines; main and non-lamellar transitions of phosphatidylethanolamines. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1991, 1062, 1-6.	1.4	51
82	Lipid Chain Dynamics and Molecular Location of Diacylglycerol in Hydrated Binary Mixtures with Phosphatidylcholine: Spin Label ESR Studies. <i>Biochemistry</i> , 1996, 35, 3831-3836.	1.2	51
83	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
84	Association of spin-labelled cardiolipin with dimyristoylphosphatidylcholine-substituted bovine heart cytochrome c oxidase. A generalized specificity increase rather than highly specific binding sites. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1985, 816, 191-194.	1.4	50
85	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
86	Spin label ESR and ³¹ P-NMR studies of the cubic and inverted hexagonal phases of dimyristoylphosphatidylcholine/myristic acid (1:2, mol/mol) mixtures. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1990, 1024, 89-94.	1.4	49
87	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
88	Dynamic structure and phase behavior of dimyristoylphosphatidylethanolamine bilayers studied by deuterium nuclear magnetic resonance. <i>Biochemistry</i> , 1983, 22, 3023-3026.	1.2	48
89	Lipid-protein interactions in ADP-ATP carrier/egg phosphatidylcholine recombinants studied by spin-label ESR spectroscopy. <i>Biochemistry</i> , 1990, 29, 10664-10669.	1.2	48
90	Lipid-protein interactions and heterogeneous lipid distribution in membranes. <i>Molecular Membrane Biology</i> , 1995, 12, 59-64.	2.0	48

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91	Molecular volumes of phospholipids and glycolipids in membranes. <i>Chemistry and Physics of Lipids</i> , 2010, 163, 667-677.	1.5	48
92	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
93	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
94	Orientation of β -Barrel Proteins OmpA and FhuA in Lipid Membranes. Chain Length Dependence from Infrared Dichroism. <i>Biochemistry</i> , 2005, 44, 3515-3523.	1.2	46
95	High-field electron spin resonance of spin labels in membranes. <i>Chemistry and Physics of Lipids</i> , 2002, 116, 93-114.	1.5	45
96	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
97	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
98	Selectivity of interaction of phospholipids with bovine spinal cord myelin basic protein studied by spin-label electron spin resonance. <i>Biochemistry</i> , 1989, 28, 9699-9707.	1.2	44
99	Membrane Elastic Fluctuations and the Insertion and Tilt of β -Barrel Proteins. <i>Biophysical Journal</i> , 2006, 91, 227-232.	0.2	44
100	Preferential association of apocytochrome c with negatively charged phospholipids in mixed model membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1986, 858, 38-46.	1.4	43
101	Thermodynamic and structural properties of phosphatidylserine bilayer membranes in the presence of lithium ions and protons. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1985, 814, 141-150.	1.4	42
102	Intramembrane Polarity by Electron Spin Echo Spectroscopy of Labeled Lipids. <i>Biophysical Journal</i> , 2003, 84, 1025-1030.	0.2	42
103	Experimental Methods in Spin-Label Spectral Analysis. <i>Biological Magnetic Resonance</i> , 1989, , 255-303.	0.4	42
104	Prediction of the critical micelle concentrations of mono- and di-acyl phospholipids. <i>Chemistry and Physics of Lipids</i> , 1986, 42, 271-277.	1.5	41
105	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
106	Integration of a K ⁺ Channel-Associated Peptide in a Lipid Bilayer: Conformation, Lipid-Protein Interactions, and Rotational Diffusion. <i>Biochemistry</i> , 1995, 34, 3893-3898.	1.2	40
107	Peptides Modeled on the Transmembrane Region of the Slow Voltage-Gated IsK Potassium Channel: Structural Characterization of Peptide Assemblies in the β -Strand Conformation. <i>Biochemistry</i> , 1996, 35, 16213-16221.	1.2	40
108	Spin-label ESR of bacteriophage M13 coat protein in mixed lipid bilayers. Characterization of molecular selectivity of charged phospholipids for the bacteriophage M13 coat protein in lipid bilayers. <i>Biochemistry</i> , 1989, 28, 9995-10001.	1.2	39

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109	Fatty acid pH titration and the selectivity of interaction with extrinsic proteins in dimyristoylphosphatidylglycerol dispersions. Spin label ESR studies. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1990, 1021, 63-69.	1.4	39
110	Chapter 6 Protein-lipid interactions with peripheral membrane proteins. <i>New Comprehensive Biochemistry</i> , 1993, 25, 127-162.	0.1	39
111	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
112	Selectivity of lipid-protein interactions. <i>Journal of Bioenergetics and Biomembranes</i> , 1987, 19, 677-689.	1.0	38
113	Stoichiometry, selectivity, and exchange dynamics of lipid-protein interaction with bacteriophage M13 coat protein studied by spin label electron spin resonance. Effects of protein secondary structure. <i>Biochemistry</i> , 1992, 31, 2670-2677.	1.2	38
114	The state of the lipids in the purple membrane of halobacterium cutirubrum as seen by ³¹ P NMR. <i>Biochemical and Biophysical Research Communications</i> , 1981, 100, 105-110.	1.0	37
115	Lipid-Protein Interactions and Assembly of the 16-kDa Channel Polypeptide from <i>Nephrops norvegicus</i> . Studies with Spin-Label Electron Spin Resonance Spectroscopy and Electron Microscopy. <i>Biochemistry</i> , 1995, 34, 9211-9218.	1.2	37
116	Interaction of α -Lactalbumin with Phosphatidylglycerol. Influence of Protein Binding on the Lipid Phase Transition and Lipid Acyl Chain Mobility. <i>Biochemistry</i> , 1995, 34, 13139-13145.	1.2	37
117	Influence of polar residue deletions on lipid-protein interactions with the myelin proteolipid protein. Spin-label ESR studies with DM-20/lipid recombinants. <i>Biochemistry</i> , 1990, 29, 2635-2638.	1.2	36
118	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
119	Infrared Dichroism from the X-Ray Structure of Bacteriorhodopsin. <i>Biophysical Journal</i> , 2001, 80, 305-312.	0.2	36
120	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
121	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
122	Distance measurements using paramagnetic ion-induced relaxation in the saturation transfer electron spin resonance of spin-labeled biomolecules. <i>Biophysical Journal</i> , 1992, 61, 1595-1602.	0.2	35
123	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
124	Saturation-transfer electron spin resonance studies on the mobility of spin-labeled sodium and potassium ion activated adenosine triphosphatase in membranes from <i>Squalus acanthias</i> . <i>Biochemistry</i> , 1987, 26, 8675-8683.	1.2	34
125	Lipid-protein interactions with the Na,K-ATPase. <i>Chemistry and Physics of Lipids</i> , 2006, 141, 94-104.	1.5	34
126	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

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127	Tilt, Twist, and Coiling in β^2 -Barrel Membrane Proteins: Relation to Infrared Dichroism. <i>Biophysical Journal</i> , 2001, 80, 2789-2797.	0.2	33
128	Spin-label electron spin resonance study of bacteriophage M13 coat protein incorporation into mixed lipid bilayers. <i>Biochemistry</i> , 1987, 26, 7571-7574.	1.2	32
129	Ganglioside-protein interactions: spin-label electron spin resonance studies with sodium-potassium ATPase membranes. <i>Biochemistry</i> , 1988, 27, 2398-2403.	1.2	32
130	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
131	Properties of cardiolipin and functional implications for cytochrome oxidase activity. <i>Bioelectrochemistry</i> , 1988, 20, 73-82.	1.0	31
132	Oxygen Profiles in Membranes. <i>Biophysical Journal</i> , 2006, 90, L49-L51.	0.2	31
133	Phase transition from a gel to a fluid phase of cubic symmetry in dimyristoylphosphatidylcholine/myristic acid (1:2, mol/mol) bilayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1990, 1025, 77-81.	1.4	30
134	Mitochondrial Presequence Inserts Differently into Membranes Containing Cardiolipin and Phosphatidylglycerol. <i>Biochemistry</i> , 1995, 34, 3605-3613.	1.2	30
135	Structural Integrity of the Membrane Domains in Extensively Trypsinized Na,K-ATPase from Shark Rectal Glands. <i>Biochemistry</i> , 1994, 33, 8044-8050.	1.2	29
136	A spin-label electron spin resonance study of the binding of mitochondrial creatine kinase to cardiolipin. <i>FEBS Journal</i> , 1989, 186, 415-419.	0.2	28
137	Selectivity of interaction of spin-labelled lipids with peripheral proteins bound to dimyristoylphosphatidylglycerol bilayers, as determined by ESR spectroscopy. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1989, 986, 315-320.	1.4	28
138	Association of Spin-Labeled Lipids with β^2 -Barrel Proteins from the Outer Membrane of <i>Escherichia coli</i> . <i>Biochemistry</i> , 2004, 43, 11630-11636.	1.2	28
139	Rotational motion of yeast cytochrome oxidase in phosphatidylcholine complexes studied by saturation-transfer electron spin resonance. <i>Biochemistry</i> , 1989, 28, 5634-5643.	1.2	27
140	Specificity of the interaction of amino- and carboxy-terminal fragments of the mitochondrial precursor protein apocytochrome c with negatively charged phospholipids. A spin-label electron spin resonance study. <i>Biochemistry</i> , 1989, 28, 8998-9005.	1.2	27
141	Analysis of the bilayer phase transition temperatures of phosphatidylcholines with mixed chains. <i>Biophysical Journal</i> , 1992, 61, 1036-1040.	0.2	27
142	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
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