Richard M Epand

List of Publications by Year
in descending order

535 papers	26,199 citations	6592 79 h-index	13338 130 g-index
551 all docs	551 docs citations	551 times ranked	19548 citing authors

#	Article	IF	Citations
1	Diversity of antimicrobial peptides and their mechanisms of action. Biochimica Et Biophysica Acta - Biomembranes, 1999, 1462, 11-28.	1.4	1,143
2	Lipid domains in bacterial membranes and the action of antimicrobial agents. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 289-294.	1.4	478
3	Relationship of Membrane Curvature to the Formation of Pores by Magainin 2â€. Biochemistry, 1998, 37, 11856-11863.	1.2	435
4	Mimicry of Antimicrobial Host-Defense Peptides by Random Copolymers. Journal of the American Chemical Society, 2007, 129, 15474-15476.	6.6	403
5	Molecular mechanisms of membrane targeting antibiotics. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 980-987.	1.4	372
6	Bacterial lipid composition and the antimicrobial efficacy of cationic steroid compounds (Ceragenins). Biochimica Et Biophysica Acta - Biomembranes, 2007, 1768, 2500-2509.	1.4	343
7	The mechanism of lamellar-to-inverted hexagonal phase transitions in phosphatidylethanolamine: implications for membrane fusion mechanisms. Biophysical Journal, 1997, 73, 3089-3111.	0.2	328
8	Huntingtin has a membrane association signal that can modulate huntingtin aggregation, nuclear entry and toxicity. Human Molecular Genetics, 2007, 16, 2600-2615.	1.4	322
9	Lipid polymorphism and proteinâ€“lipid interactions. BBA - Biomembranes, 1998, 1376, 353-368.	7.9	313
10	Towards a structure-function analysis of bovine lactoferricin and related tryptophan- and arginine-containing peptides. Biochemistry and Cell Biology, 2002, 80, 49-63.	0.9	310
11	Cholesterol and the interaction of proteins with membrane domains. Progress in Lipid Research, 2006, 45, 279-294.	5.3	270
12	Membrane Fusion. Chemical Reviews, 2003, 103, 53-70.	23.0	254
13	Bacterial membrane lipids in the action of antimicrobial agents. Journal of Peptide Science, 2011, 17, 298-305.	0.8	254
14	Diacylglycerols, lysolecithin, or hydrocarbons markedly alter the bilayer to hexagonal phase transition temperature of phosphatidylethanolamines. Biochemistry, 1985, 24, 7092-7095.	1.2	248
15	Tocopherols and tocotrienols in membranes: A critical review. Free Radical Biology and Medicine, 2008, 44, 739-764.	1.3	248
16	Fusion peptides and the mechanism of viral fusion. Biochimica Et Biophysica Acta - Biomembranes, 2003, 1614, 116-121.	1.4	237
17	Mechanisms for the modulation of membrane bilayer properties by amphipathic helical peptides. Biopolymers, 1995, 37, 319-338.	1.2	221
18	Effect of cationic cholesterol derivatives on gene transfer and protein kinase C activity. Biochimica Et Biophysica Acta - Biomembranes, 1992, 1111, 239-246.	1.4	217

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19	Effects of increasing hydrophobicity on the physical-chemical and biological properties of a class A amphipathic helical peptide. Journal of Lipid Research, 2001, 42, 1096-1104.	2.0	203
20	Correlated Fluorescence-Atomic Force Microscopy of Membrane Domains: Structure of Fluorescence Probes Determines Lipid Localization. Biophysical Journal, 2006, 90, 2170-2178.	0.2	186
21	Ceragenins: Cholic Acid-Based Mimics of Antimicrobial Peptides. Accounts of Chemical Research, 2008, 41, 1233-1240.	7.6	182
22	Tryptophan-rich antimicrobial peptides: comparative properties and membrane interactions. Biochemistry and Cell Biology, 2002, 80, 667-677.	0.9	180
23	Depolarization, Bacterial Membrane Composition, and the Antimicrobial Action of Ceragenins. Antimicrobial Agents and Chemotherapy, 2010, 54, 3708-3713.	1.4	178
24	Interaction with a Membrane Surface Triggers a Reversible Conformational Change in Bax Normally Associated with Induction of Apoptosis. Journal of Biological Chemistry, 2003, 278, 48935-48941.	1.6	177
25	Regulation and Functions of Diacylglycerol Kinases. Chemical Reviews, 2011, 111, 6186-6208.	23.0	176
26	The influence of long-range interactions on the structure of myoglobin. Biochemistry, 1968, 7, 2864-2872.	1.2	174
27	Dual Mechanism of Bacterial Lethality for a Cationic Sequence-Random Copolymer that Mimics Host-Defense Antimicrobial Peptides. Journal of Molecular Biology, 2008, 379, 38-50.	2.0	158
28	Bacterial Membranes as Predictors of Antimicrobial Potency. Journal of the American Chemical Society, 2008, 130, 14346-14352.	6.6	157
29	The Apoptotic Protein tBid Promotes Leakage by Altering Membrane Curvature. Journal of Biological Chemistry, 2002, 277, 32632-32639.	1.6	155
30	Domains in bacterial membranes and the action of antimicrobial agents. Molecular BioSystems, 2009, 5, 580.	2.9	151
31	Influence of the Angle Subtended by the Positively Charged Helix Face on the Membrane Activity of Amphipathic, Antibacterial Peptides. Biochemistry, 1997, 36, 12869-12880.	1.2	149
32	Proteins and cholesterol-rich domains. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 1576-1582.	1.4	148
33	NDPK-D (NM23-H4)-mediated externalization of cardiolipin enables elimination of depolarized mitochondria by mitophagy. Cell Death and Differentiation, 2016, 23, 1140-1151.	5.0	147
34	Mammalian diacylglycerol kinases: Molecular interactions and biological functions of selected isoforms. Biochimica Et Biophysica Acta - General Subjects, 2009, 1790, 416-424.	1.1	146
35	Position-Dependent Hydrophobicity of the Antimicrobial Magainin Peptide Affects the Mode of Peptideâ^'Lipid Interactions and Selective Toxicity. Biochemistry, 2002, 41, 10723-10731.	1.2	145
36	Assignment of the histidine peaks in the nuclear magnetic resonance spectrum of ribonuclease.. Proceedings of the National Academy of Sciences of the United States of America, 1968, 60, 766-772.	3.3	144

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37	The role of membrane biophysical properties in the regulation of protein kinase C activity. Trends in Pharmacological Sciences, 1990, 11, 317-320.	4.0	144
38	Role of membrane lipids in the mechanism of bacterial species selective toxicity by two Î±/Î²-antimicrobial peptides. Biochimica Et Biophysica Acta - Biomembranes, 2006, 1758, 1343-1350.	1.4	143
39	High-quality 3D structures shine light on antibacterial, anti-biofilm and antiviral activities of human cathelicidin LL-37 and its fragments. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 2160-2172.	1.4	142
40	Probing the â€œCharge Cluster Mechanismâ€•in Amphipathic Helical Cationic Antimicrobial Peptides. Biochemistry, 2010, 49, 4076-4084.	1.2	141
41	Caveolin Scaffolding Region and Cholesterol-rich Domains in Membranes. Journal of Molecular Biology, 2005, 345, 339-350.	2.0	140
42	Rigid amphipathic fusion inhibitors, small molecule antiviral compounds against enveloped viruses. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 17339-17344.	3.3	139
43	Inhibition of protein kinase C by cationic amphiphiles. Biochemistry, 1992, 31, 9025-9030.	1.2	137
44	A Novel Linear Amphipathic Î²-Sheet Cationic Antimicrobial Peptide with Enhanced Selectivity for Bacterial Lipids. Journal of Biological Chemistry, 2001, 276, 27899-27906.	1.6	131
45	Amphipathic helix and its relationship to the interaction of calcitonin with phospholipids. Biochemistry, 1983, 22, 5074-5084.	1.2	128
46	Regulation of CTP:Â Phosphocholine Cytidylyltransferase Activity by the Physical Properties of Lipid Membranes:Â An Important Role for Stored Curvature Strain Energyâ€. Biochemistry, 2001, 40, 10522-10531.	1.2	124
47	Cationic Liposomes for Direct Gene Transfer in Therapy of Cancer and Other Diseases. Annals of the New York Academy of Sciences, 1994, 716, 23-35.	1.8	116
48	Effect of end group blockage on the properties of a class A amphipathic helical peptide. Proteins: Structure, Function and Bioinformatics, 1993, 15, 349-359.	1.5	115
49	Membrane-Active Peptides and the Clustering of Anionic Lipids. Biophysical Journal, 2012, 103, 265-274.	0.2	115
50	The Polar Region Consecutive to the HIV Fusion Peptide Participates in Membrane Fusionâ€. Biochemistry, 2000, 39, 1826-1833.	1.2	107
51	The Folded Conformation of the Encephalitogenic Protein of the Human Brain. Biochemistry, 1974, 13, 1264-1267.	1.2	105
52	The existence of a highly ordered phase in fully hydrated dilauroylphosphatidylethanolamine. Biochimica Et Biophysica Acta - Biomembranes, 1983, 728, 319-324.	1.4	104
53	Juxtamembrane Protein Segments that Contribute to Recruitment of Cholesterol into Domainsâ€. Biochemistry, 2006, 45, 6105-6114.	1.2	104
54	The physical state of lipid substrates provides transacylation specificity for tafazzin. Nature Chemical Biology, 2012, 8, 862-869.	3.9	101

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55	Role of peptide structure in lipid-peptide interactions: a fluorescence study of the binding of pentagastrin-related pentapeptides to phospholipid vesicles. Biochemistry, 1984, 23, 6072-6077.	1.2	100
56	Direct evidence for membrane pore formation by the apoptotic protein Bax. Biochemical and Biophysical Research Communications, 2002, 298, 744-749.	1.0	100
57	Loss of protein association causes cardiolipin degradation in Barth syndrome. Nature Chemical Biology, 2016, 12, 641-647.	3.9	99
58	The helix-coil transition of poly-L-lysine in methanol-water solvent mixtures. Biopolymers, 1968, 6, 1383-1386.	1.2	98
59	Oblique Membrane Insertion of Viral Fusion Peptide Probed by Neutron Diffractionâ€. Biochemistry, 2000, 39, 6581-6585.	1.2	98
60	Antimicrobial 14-Helical Î²-Peptides:â€‰ Potent Bilayer Disrupting Agents. Biochemistry, 2004, 43, 9527-9535.	1.2	98
61	Cardiolipin Clusters and Membrane Domain Formation Induced by Mitochondrial Proteins. Journal of Molecular Biology, 2007, 365, 968-980.	2.0	98
62	Dual Function of Mitochondrial Nm23-H4 Protein in Phosphotransfer and Intermembrane Lipid Transfer. Journal of Biological Chemistry, 2013, 288, 111-121.	1.6	92
63	Modulation of the phase transition behavior of phosphatidylethanolamine by cholesterol and oxysterols. Biochemistry, 1987, 26, 1820-1825.	1.2	91
64	Detection of submicron-sized raft-like domains in membranes by small-angle neutron scattering. European Physical Journal E, 2005, 18, 447-458.	0.7	91
65	Lipopolysaccharide, a Key Molecule Involved in the Synergism between Temporins in Inhibiting Bacterial Growth and in Endotoxin Neutralization. Journal of Biological Chemistry, 2008, 283, 22907-22917.	1.6	91
66	The Enthalpy of Acyl Chain Packing and the Apparent Water-Accessible Apolar Surface Area of Phospholipids. Biophysical Journal, 2001, 80, 271-279.	0.2	90
67	Mechanism of activation of protein kinase C: roles of diolein and phosphatidylserine. Biochemistry, 1993, 32, 66-75.	1.2	89
68	Inhibition of HIV-1 endocytosis allows lipid mixing at the plasma membrane, but not complete fusion. Retrovirology, 2011, 8, 99.	0.9	89
69	Decoding the Functional Roles of Cationic Side Chains of the Major Antimicrobial Region of Human Cathelicidin LL-37. Antimicrobial Agents and Chemotherapy, 2012, 56, 845-856.	1.4	88
70	Structural Study of the Relationship between the Rate of Membrane Fusion and the Ability of the Fusion Peptide of Influenza Virus To Perturb Bilayersâ€. Biochemistry, 1997, 36, 7644-7651.	1.2	86
71	Structural Aspects of the Interaction of peptidyl-glycylleucine-carboxyamide, a Highly Potent Antimicrobial Peptide from Frog Skin, with Lipids. FEBS Journal, 1997, 248, 938-946.	0.2	85
72	Identification and biophysical characterization of a very-long-chain-fatty-acid-substituted phosphatidylinositol in yeast subcellular membranes. Biochemical Journal, 2004, 381, 941-949.	1.7	85

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73	Studies of Phospholipid Hydration by High-Resolution Magic-Angle Spinning Nuclear Magnetic Resonance. Biophysical Journal, 1999, 76, 387-399.	0.2	84
74	The ectodomain of HA2 of influenza virus promotes rapid ph dependent membrane fusion 1 1Edited by A. R. Fersht. Journal of Molecular Biology, 1999, 286, 489-503.	2.0	84
75	Relationship Between the Infectivity of Influenza Virus and the Ability of Its Fusion Peptide to Perturb Bilayers. Biochemical and Biophysical Research Communications, 1994, 202, 1420-1425.	1.0	83
76	Structural Study of the Interaction between the SIV Fusion Peptide and Model Membranesâ€. Biochemistry, 1996, 35, 980-989.	1.2	83
77	Trichogin: a paradigm for lipopeptaibols. Journal of Peptide Science, 2003, 9, 679-689.	0.8	83
78	Cholesterol Binding Does Not Predict Activity of the Steroidogenic Acute Regulatory Protein, StAR. Journal of Biological Chemistry, 2007, 282, 10223-10232.	1.6	82
79	Mitochondrial kinases and their molecular interaction with cardiolipin. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 2032-2047.	1.4	82
80	Peptide-Induced Formation of Cholesterol-Rich Domainsâ€. Biochemistry, 2003, 42, 14677-14689.	1.2	81
81	Lipid Segregation Explains Selective Toxicity of a Series of Fragments Derived from the Human Cathelicidin LL-37. Antimicrobial Agents and Chemotherapy, 2009, 53, 3705-3714.	1.4	81
82	Roles of specific lipid species in the cell and their molecular mechanism. Progress in Lipid Research, 2016, 62, 75-92.	5.3	81
83	Determination of the phase behaviour of phosphatidylethanolamine admixed with other lipids and the effects of calcium chloride: implications for protein kinase C regulation. Biochimica Et Biophysica Acta - Biomembranes, 1988, 944, 144-154.	1.4	79
84	Fatty-acid chain tilt angles and directions in dipalmitoyl phosphatidylcholine bilayers. Biophysical Journal, 1992, 63, 1170-1175.	0.2	76
85	Cationic peptide-induced remodelling of model membranes: Direct visualization by in situ atomic force microscopy. Journal of Structural Biology, 2008, 162, 121-138.	1.3	76
86	The effect of free fatty acids on the thermotropic phase transition of dimyristoyl glycerophosphocholine. Chemistry and Physics of Lipids, 1978, 22, 245-253.	1.5	75
87	Conformational flexibility and biological activity of salmon calcitonin. Biochemistry, 1986, 25, 1964-1968.	1.2	74
88	Role of the stereochemistry of the hydroxyl group of cholesterol and the formation of nonbilayer structures in phosphatidylethanolamines. Biochemistry, 1989, 28, 8928-8934.	1.2	74
89	A â€œReleaseâ€•Protocol for Isothermal Titration Calorimetry. Biophysical Journal, 1999, 76, 2606-2613.	0.2	73
90	Promotion of hexagonal phase formation and lipid mixing by fatty acids with varying degrees of unsaturation. Chemistry and Physics of Lipids, 1991, 57, 75-80.	1.5	72

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91	Role of Membrane Defects in the Regulation of the Activity of Protein Kinase C. Archives of Biochemistry and Biophysics, 1993, 300, 378-383.	1.4	72
92	Membrane Orientation of the SIV Fusion Peptide Determines Its Effect on Bilayer Stability and Ability to Promote Membrane Fusion. Biochemical and Biophysical Research Communications, 1994, 205, 1938-1943.	1.0	72
93	Aromatic Residue Position on the Nonpolar Face of Class A Amphipathic Helical Peptides Determines Biological Activity. Journal of Biological Chemistry, 2004, 279, 26509-26517.	1.6	72
94	Conformations of poly-L-valine in solution. Biopolymers, 1968, 6, 1551-1571.	1.2	71
95	Novel Lipid Transfer Property of Two Mitochondrial Proteins that Bridge the Inner and Outer Membranes. Biophysical Journal, 2007, 92, 126-137.	0.2	71
96	Enrichment of phosphatidylinositols with specific acyl chains. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 1501-1508.	1.4	71
97	Investigation of the relationship between altered intracellular pH and multidrug resistance in mammalian cells. British Journal of Cancer, 1990, 61, 568-572.	2.9	70
98	Increased accumulation of drugs in a multidrug resistant cell line by alteration of membrane biophysical properties. Biochimica Et Biophysica Acta - Molecular Cell Research, 1993, 1175, 277-282.	1.9	70
99	Role of phospholipids containing docosahexaenoyl chains in modulating the activity of protein kinase C.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 9767-9770.	3.3	70
100	Cholesterol in Bilayers of Sphingomyelin or Dihydrosphingomyelin at Concentrations Found in Ocular Lens Membranes. Biophysical Journal, 2003, 84, 3102-3110.	0.2	70
101	High sensitivity differential scanning calorimetry of the bilayer to hexagonal phase transitions of diacylphosphatidylethanolamines. Chemistry and Physics of Lipids, 1985, 36, 387-393.	1.5	67
102	Cholesterol-Recognition Motifs in Membrane Proteins. Advances in Experimental Medicine and Biology, 2019, 1135, 3-25.	0.8	67
103	Acyl Chain Dependence of Diacylglycerol Activation of Protein Kinase C Activityin Vitro. Biochemical and Biophysical Research Communications, 1996, 225, 469-473.	1.0	66
104	Transbilayer inhibition of protein kinase C by the lipophosphoglycan from Leishmania donovani.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 11634-11639.	3.3	66
105	5-(Perylen-3-yl)Ethynyl-arabino-Uridine (aUY11), an Arabino-Based Rigid Amphipathic Fusion Inhibitor, Targets Virion Envelope Lipids To Inhibit Fusion of Influenza Virus, Hepatitis C Virus, and Other Enveloped Viruses. Journal of Virology, 2013, 87, 3640-3654.	1.5	65
106	Potent inhibition of viral fusion by the lipophosphoglycan of Leishmania donovani. Biochemistry, 1995, 34, 4676-4683.	1.2	64
107	Insulin Receptor Autophosphorylation and Signaling is Altered by Modulation of Membrane Physical Properties. Biochemistry, 1995, 34, 1815-1824.	1.2	64
108	Role of the position of unsaturation on the phase behavior and intrinsic curvature of phosphatidylethanolamines. Biophysical Journal, 1996, 71, 1806-1810.	0.2	64

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109	Cholesterol Crystalline Polymorphism and the Solubility of Cholesterol in Phosphatidylserine. Biophysical Journal, 2000, 78, 866-873.	0.2	64
110	Protein-Induced Formation of Cholesterol-Rich Domainsâ€. Biochemistry, 2001, 40, 10514-10521.	1.2	64
111	Calorimetric detection of curvature strain in phospholipid bilayers. Biophysical Journal, 1994, 66, 1450-1456.	0.2	63
112	Effects of Spontaneous Bilayer Curvature on Influenza Virusâ€“mediated Fusion Pores. Journal of General Physiology, 1998, 112, 409-422.	0.9	63
113	Interactions of the antimicrobial beta-peptide beta-17 with phospholipid vesicles differ from membrane interactions of magainins. FEBS Journal, 2003, 270, 1240-1248.	0.2	62
114	Peptide-Induced Domain Formation in Supported Lipid Bilayers: Direct Evidence by Combined Atomic Force and Polarized Total Internal Reflection Fluorescence Microscopy. Biophysical Journal, 2010, 98, 815-823.	0.2	62
115	Lipid clustering by three homologous arginine-rich antimicrobial peptides is insensitive to amino acid arrangement and induced secondary structure. Biochimica Et Biophysica Acta - Biomembranes, 2010, 1798, 1272-1280.	1.4	62
116	Interaction of glucagon with dimyristoyl glycerophosphocholine. Biochimica Et Biophysica Acta (BBA) - Protein Structure, 1977, 491, 296-304.	1.7	61
117	Effect of electrostatic repulsion on the morphology and thermotropic transitions of anionic phospholipids. FEBS Letters, 1986, 209, 257-260.	1.3	61
118	Mitochondrial cardiolipin/phospholipid trafficking: The role of membrane contact site complexes and lipid transfer proteins. Chemistry and Physics of Lipids, 2014, 179, 32-41.	1.5	61
119	Phosphocreatine Interacts with Phospholipids, Affects Membrane Properties and Exerts Membrane-Protective Effects. PLoS ONE, 2012, 7, e43178.	1.1	61
120	Hexagonal phase forming propensity detected in phospholipid bilayers with fluorescent probes. Biochemistry, 1992, 31, 1550-1554.	1.2	60
121	Effect of influenza hemagglutinin fusion peptide on lamellar/inverted phase transitions in dipalmitoleoylphosphatidylethanolamine: implications for membrane fusion mechanisms. Biochimica Et Biophysica Acta - Biomembranes, 2000, 1468, 87-98.	1.4	60
122	Diacylglycerol Kinase Ïµ Is Selective for Both Acyl Chains of Phosphatidic Acid or Diacylglycerol. Journal of Biological Chemistry, 2009, 284, 31062-31073.	1.6	60
123	Circular dichroism studies on lipid-protein complexes of a hydrophobic myelin protein. Biochemistry, 1978, 17, 624-629.	1.2	58
124	Peptide models for the membrane destabilizing actions of viral fusion proteins. Biopolymers, 1992, 32, 309-314.	1.2	58
125	Modulation of membrane curvature by peptides. Biopolymers, 2000, 55, 358-363.	1.2	58
126	Influence of the curvature on the water structure in the headgroup region of phospholipid bilayer studied by the solvent relaxation technique. Chemistry and Physics of Lipids, 2005, 135, 213-221.	1.5	58

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127	Cholesterol Interaction with Proteins That Partition into Membrane Domains: An Overview. Sub-Cellular Biochemistry, 2010, 51, 253-278.	1.0	58
128	Effects of sugar alcohols and disaccharides in inducing the hexagonal phase and altering membrane properties: implications for diabetes mellitus. Biochimica Et Biophysica Acta - Biomembranes, 1988, 943, 485-492.	1.4	57
129	Biophysical studies of lipopeptide-membrane interactions. Biopolymers, 1997, 43, 15-24.	1.2	57
130	PAMAM dendrimers and model membranes: Differential scanning calorimetry studies. International Journal of Pharmaceutics, 2005, 305, 154-166.	2.6	57
131	Sensitization of gramâ€negative bacteria by targeting the membrane potential. FASEB Journal, 2013, 27, 3818-3826.	0.2	57
132	Discovery of an antivirulence compound that reverses Î²-lactam resistance in MRSA. Nature Chemical Biology, 2020, 16, 143-149.	3.9	57
133	The relationship between the effects of drugs on bilayer stability and on protein kinase C activity. Chemico-Biological Interactions, 1987, 63, 239-247.	1.7	56
134	Secondary structure of charge isomers of myelin basic protein before and after phosphorylation. Biochemistry, 1989, 28, 6538-6543.	1.2	56
135	Effect of cholesterol on rhodopsin stability in disk membranes. BBA - Proteins and Proteomics, 1996, 1297, 77-82.	2.1	56
136	Electrostatic Control of Phospholipid Polymorphism. Biophysical Journal, 2000, 79, 3193-3200.	0.2	56
137	Transbilayer Lipid Diffusion Promoted by Bax:Â Implications for Apoptosisâ€. Biochemistry, 2003, 42, 14576-14582.	1.2	56
138	Amphipathic Helical Cationic Antimicrobial Peptides Promote Rapid Formation of Crystalline States in the Presence of Phosphatidylglycerol: Lipid Clustering in Anionic Membranes. Biophysical Journal, 2010, 98, 2564-2573.	0.2	56
139	Soluble Respiratory Syncytial Virus Fusion Protein in the Fully Cleaved, Pretriggered State Is Triggered by Exposure to Low-Molarity Buffer. Journal of Virology, 2011, 85, 3968-3977.	1.5	56
140	Molecular interactions in the model lipoprotein complex formed between glucagon and dimyristoylglycerophosphocholine. Biochemistry, 1977, 16, 4360-4368.	1.2	55
141	Dramatic Differences in the Roles in Lipid Metabolism of Two Isoforms of Diacylglycerol Kinase. Biochemistry, 2008, 47, 9372-9379.	1.2	55
142	Calorimetric study of peptide-phospholipid interactions: the glucagon-dimyristoylphosphatidylcholine complex. Biochemistry, 1981, 20, 4603-4606.	1.2	54
143	Functional roles of non-lamellar forming lipids. Chemistry and Physics of Lipids, 1996, 81, 101-104.	1.5	54
144	Conformational flexibility of a myelin protein. Biochemistry, 1973, 12, 3402-3406.	1.2	53

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145	Dimerization of the P-glycoprotein in membranes. Biochimica Et Biophysica Acta - Biomembranes, 1990, 1027, 225-228.	1.4	53
146	Formation of a new stable phase of phosphatidylglycerols. Biophysical Journal, 1992, 63, 327-332.	0.2	53
147	Features of the Phosphatidylinositol Cycle and its Role in Signal Transduction. Journal of Membrane Biology, 2017, 250, 353-366.	1.0	53
148	Virus replication inhibitory peptide inhibits the conversion of phospholipid bilayers to the hexagonal phase. Bioscience Reports, 1986, 6, 647-653.	1.1	52
149	Chemical specificity and physical properties of the lipid bilayer in the regulation of protein kinase C by anionic phospholipids: evidence for the lack of a specific binding site for phosphatidylserine.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 1907-1912.	3.3	52
150	High Temperature Stabilization of DNA in Complexes with Cationic Lipids. Biophysical Journal, 2002, 82, 264-273.	0.2	52
151	Novel properties of cholesterolâ€“dioleoylphosphatidylcholine mixtures. Biochimica Et Biophysica Acta - Biomembranes, 2003, 1616, 196-208.	1.4	52
152	Phosphorylation of mitochondrial phospholipid scramblase 3 by protein kinase C-Î´ induces its activation and facilitates mitochondrial targeting of tBid. Journal of Cellular Biochemistry, 2007, 101, 1210-1221.	1.2	52
153	Structural location determines functional roles of the basic amino acids of KR-12, the smallest antimicrobial peptide from human cathelicidin LL-37. RSC Advances, 2013, 3, 19560.	1.7	52
154	Plasmalogens and Chronic Inflammatory Diseases. Frontiers in Physiology, 2021, 12, 730829.	1.3	52
155	Infrared spectroscopic evidence of conformational transitions of an atrial natriuretic peptide.. Proceedings of the National Academy of Sciences of the United States of America, 1987, 84, 7028-7030.	3.3	51
156	Modulation of the bilayer to hexagonal phase transition and solvation of phosphatidylethanolamines in aqueous salt solutions. Biochemistry, 1988, 27, 8776-8779.	1.2	51
157	Relationship of phospholipid hexagonal phases to biological phenomena. Biochemistry and Cell Biology, 1990, 68, 17-23.	0.9	51
158	The antimicrobial peptide trichogin and its interaction with phospholipid membranes. FEBS Journal, 1999, 266, 1021-1028.	0.2	51
159	Direct comparison of membrane interactions of model peptides composed of only Leu and Lys residues. Biopolymers, 2003, 71, 2-16.	1.2	51
160	Ceragenins (Cationic Steroid Compounds), a Novel Class of Antimicrobial Agents. Drug News and Perspectives, 2008, 21, 307.	1.9	51
161	Membrane Interactions of Mutated Forms of the Influenza Fusion Peptide. Biochemistry, 2001, 40, 8800-8807.	1.2	50
162	Myristoylation, a Protruding Loop, and Structural Plasticity Are Essential Features of a Nonenveloped Virus Fusion Peptide Motif. Journal of Biological Chemistry, 2004, 279, 51386-51394.	1.6	50

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163	Membrane curvature modulation of protein activity determined by NMR. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 220-228.	1.4	50
164	The 1â^'127 HA2 Construct of Influenza Virus Hemagglutinin Induces Cellâ^'Cell Hemifusion. Biochemistry, 2001, 40, 8378-8386.	1.2	49
165	DSC studies on interactions between low molecular mass peptide dendrimers and model lipid membranes. International Journal of Pharmaceutics, 2006, 327, 145-152.	2.6	49
166	Role of Phospholipid Scramblase 3 in the Regulation of Tumor Necrosis Factor-Î±-Induced Apoptosis. Biochemistry, 2008, 47, 4518-4529.	1.2	49
167	Size and shape of the model lipoprotein complex formed between glucagon and dimyristoylglycerophosphocholine. Biochemistry, 1978, 17, 2301-2307.	1.2	48
168	An Apolipoprotein AI Mimetic Peptide:â€‰ Membrane Interactions and the Role of Cholesterol,. Biochemistry, 2004, 43, 5073-5083.	1.2	48
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