Felix M Goni

List of Publications by Year
in descending order

312 papers	15,741 citations	16411 64 h-index	24179 110 g-index
322 all docs	322 docs citations	322 times ranked	13426 citing authors

#	Article	IF	Citations
1	Quantitative studies of the structure of proteins in solution by fourier-transform infrared spectroscopy. Progress in Biophysics and Molecular Biology, 1993, 59, 23-56.	1.4	764
2	Detergent-resistant membranes should not be identified with membrane rafts. Trends in Biochemical Sciences, 2005, 30, 430-436.	3.7	446
3	Compartmentalization of ceramide signaling: physical foundations and biological effects. Journal of Cellular Physiology, 2000, 184, 285-300.	2.0	423
4	Structure and dynamics of membrane proteins as studied by infrared spectroscopy. Progress in Biophysics and Molecular Biology, 1999, 72, 367-405.	1.4	377
5	Membranes: a meeting point for lipids, proteins and therapies. Journal of Cellular and Molecular Medicine, 2008, 12, 829-875.	1.6	348
6	Sphingomyelinases: enzymology and membrane activity. FEBS Letters, 2002, 531, 38-46.	1.3	312
7	Role of sphingomyelinase and ceramide in modulating rafts: do biophysical properties determine biologic outcome?. FEBS Letters, 2002, 531, 47-53.	1.3	302
8	The basic structure and dynamics of cell membranes: An update of the Singerâ€“Nicolson model. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 1467-1476.	1.4	264
9	Biophysics of sphingolipids I. Membrane properties of sphingosine, ceramides and other simple sphingolipids. Biochimica Et Biophysica Acta - Biomembranes, 2006, 1758, 1902-1921.	1.4	245
10	Transbilayer (<i>flipâ€flop</i>) lipid motion and lipid scrambling in membranes. FEBS Letters, 2010, 584, 1779-1786.	1.3	224
11	Ceramides in Phospholipid Membranes: Effects on Bilayer Stability and Transition to Nonlamellar Phases. Biophysical Journal, 1999, 76, 342-350.	0.2	223
12	Structure and functional properties of diacylglycerols in membranes1This work is dedicated to Professor Vittorio Luzzati on occasion of his 75th birthday.1. Progress in Lipid Research, 1999, 38, 1-48.	5.3	222
13	Giant Unilamellar Vesicles Electroformed from Native Membranes and Organic Lipid Mixtures under Physiological Conditions. Biophysical Journal, 2007, 93, 3548-3554.	0.2	208
14	Interaction of the HIV-1 Fusion Peptide with Phospholipid Vesicles: Different Structural Requirements for Fusion and Leakage. Biochemistry, 1994, 33, 3201-3209.	1.2	207
15	Sphingolipids and cell death. Apoptosis: an International Journal on Programmed Cell Death, 2007, 12, 923-939.	2.2	203
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	The Mechanism of Detergent Solubilization of Lipid Bilayers. Biophysical Journal, 2013, 105, 289-299.	0.2	182
18	Effects of ceramide and other simple sphingolipids on membrane lateral structure. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 169-177.	1.4	180

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19	Membrane Interface-Interacting Sequences within the Ectodomain of the Human Immunodeficiency Virus Type 1 Envelope Glycoprotein: Putative Role during Viral Fusion. Journal of Virology, 2000, 74, 8038-8047.	1.5	168
20	Lipidâ€“protein interactions in GPCR-associated signaling. Biochimica Et Biophysica Acta - Biomembranes, 2007, 1768, 836-852.	1.4	157
21	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. Biochemistry, 2001, 40, 2614-2622.	1.2	146
22	Liposome fusion catalytically induced by phospholipase C. Biochemistry, 1989, 28, 7364-7367.	1.2	144
23	Different Effects of Enzyme-generated Ceramides and Diacylglycerols in Phospholipid Membrane Fusion and Leakage. Journal of Biological Chemistry, 1996, 271, 26616-26621.	1.6	143
24	Detergent-Resistant, Ceramide-Enriched Domains in Sphingomyelin/Ceramide Bilayers. Biophysical Journal, 2006, 90, 903-914.	0.2	141
25	Permeabilization and fusion of uncharged lipid vesicles induced by the HIV-1 fusion peptide adopting an extended conformation: dose and sequence effects. Biophysical Journal, 1997, 73, 1977-1986.	0.2	138
26	Membrane Restructuring via Ceramide Results in Enhanced Solute Efflux. Journal of Biological Chemistry, 2002, 277, 11788-11794.	1.6	134
27	Structure and thermal denaturation of crystalline and noncrystalline cytochrome oxidase as studied by infrared spectroscopy. Biochemistry, 1994, 33, 11650-11655.	1.2	132
28	Dihydroceramide accumulation mediates cytotoxic autophagy of cancer cells via autolysosome destabilization. Autophagy, 2016, 12, 2213-2229.	4.3	118
29	Surfactant-induced release of liposomal contents. A survey of methods and results. Biochimica Et Biophysica Acta - Biomembranes, 1988, 937, 127-134.	1.4	117
30	Infrared studies of protein-induced perturbation of lipids in lipoproteins and membranes. Chemistry and Physics of Lipids, 1998, 96, 53-68.	1.5	116
31	Detergent solubilization of lipid bilayers: a balance of driving forces. Trends in Biochemical Sciences, 2013, 38, 85-93.	3.7	116
32	Surfactant-induced cell toxicity and cell lysis. Biochemical Pharmacology, 1990, 40, 1323-1328.	2.0	111
33	Sphingomyelinase Activity Causes Transbilayer Lipid Translocation in Model and Cell Membranes. Journal of Biological Chemistry, 2003, 278, 37169-37174.	1.6	107
34	The Physical Properties of Ceramides in Membranes. Annual Review of Biophysics, 2018, 47, 633-654.	4.5	107
35	Different Effects of Long- and Short-Chain Ceramides on the Gel-Fluid and Lamellar-Hexagonal Transitions of Phospholipids: A Calorimetric, NMR, and X-Ray Diffraction Study. Biophysical Journal, 2005, 88, 3368-3380.	0.2	102
36	Morphological changes induced by phospholipase C and by sphingomyelinase on large unilamellar vesicles: a cryo-transmission electron microscopy study of liposome fusion. Biophysical Journal, 1997, 72, 2630-2637.	0.2	100

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37	Asymmetric Addition of Ceramides but not Dihydroceramides Promotes Transbilayer (Flip-Flop) Lipid Motion in Membranes. Biophysical Journal, 2005, 88, 348-359.	0.2	100
38	The interaction of phosphatidylcholine bilayers with Triton X-100. FEBS Journal, 1986, 160, 659-665.	0.2	99
39	Protein-lipid interaction. Biochimica Et Biophysica Acta - Biomembranes, 1980, 598, 502-516.	1.4	98
40	Release of lipid vesicle contents by the bacterial protein toxin Î±-haemolysin. Biochimica Et Biophysica Acta - Biomembranes, 1993, 1147, 81-88.	1.4	97
41	Characterization of ATP and DNA Binding Activities of TrwB, the Coupling Protein Essential in Plasmid R388 Conjugation. Journal of Biological Chemistry, 1999, 274, 36117-36124.	1.6	97
42	Cholesterol displacement by ceramide in sphingomyelinâ€containing liquidâ€ordered domains, and generation of gel regions in giant lipidic vesicles. FEBS Letters, 2008, 582, 3230-3236.	1.3	96
43	Cholesterol interactions with ceramide and sphingomyelin. Chemistry and Physics of Lipids, 2016, 199, 26-34.	1.5	92
44	Topological properties of two cubic phases of a phospholipid : cholesterol: diacylglycerol aqueous system and their possible implications in the phospholipase C-induced liposome fusion. FEBS Letters, 1995, 368, 143-147.	1.3	88
45	TrwD, a Protein Encoded by the IncW Plasmid R388, Displays an ATP Hydrolase Activity Essential for Bacterial Conjugation. Journal of Biological Chemistry, 1997, 272, 25583-25590.	1.6	88
46	Detergent solubilisation of phospholipid bilayers in the gel state: the role of polar and hydrophobic forces. Biochimica Et Biophysica Acta - Biomembranes, 1998, 1373, 112-118.	1.4	88
47	The pre-transmembrane region of the human immunodeficiency virus type-1 glycoprotein: a novel fusogenic sequence. FEBS Letters, 2000, 477, 145-149.	1.3	88
48	Thermodynamic and Structural Stability of Cytochrome c Oxidase from Paracoccus denitrificans. Biochemistry, 1994, 33, 9731-9740.	1.2	86
49	Domain Formation in Sphingomyelin/Cholesterol Mixed Membranes Studied by Spin-Label Electron Spin Resonance Spectroscopyâ€. Biochemistry, 2005, 44, 4911-4918.	1.2	81
50	Solubilization of Phospholipid Bilayers by Surfactants Belonging to the Triton X Series: Effect of Polar Group Size. Journal of Colloid and Interface Science, 1996, 178, 156-159.	5.0	80
51	Vesicle Membrane Fusion Induced by the Concerted Activities of Sphingomyelinase and Phospholipase C. Journal of Biological Chemistry, 1998, 273, 22977-22982.	1.6	80
52	Lysis and reassembly of sonicated lecithin vesicles in the presence of triton X-100. FEBS Letters, 1981, 123, 200-204.	1.3	79
53	Molecular associations and surface-active properties of short- and long-N-acyl chain ceramides. Biochimica Et Biophysica Acta - Biomembranes, 2005, 1711, 12-19.	1.4	79
54	Diacylglycerol and the promotion of lamellar-hexagonal and lamellar-isotropic phase transitions in lipids: implications for membrane fusion. Biophysical Journal, 1996, 70, 2299-2306.	0.2	78

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55	Glycophorin as a Receptor for Escherichia coliÎ±-Hemolysin in Erythrocytes. Journal of Biological Chemistry, 2001, 276, 12513-12519.	1.6	76
56	Dihydrosphingomyelin Impairs HIV-1 Infection by Rigidifying Liquid-Ordered Membrane Domains. Chemistry and Biology, 2010, 17, 766-775.	6.2	76
57	Origin of the Lag Period in the Phospholipase C Cleavage of Phospholipids in Membranes. Concomitant Vesicle Aggregation and Enzyme Activationâ€. Biochemistry, 1996, 35, 15183-15187.	1.2	74
58	Differential effects of five types of antipathogenic plant peptides on model membranes. FEBS Letters, 1997, 410, 338-342.	1.3	74
59	Spectroscopic techniques in the study of membrane solubilization, reconstitution and permeabilization by detergents. Biochimica Et Biophysica Acta - Biomembranes, 2000, 1508, 51-68.	1.4	74
60	Triton X-100-Resistant Bilayers:Â Effect of Lipid Composition and Relevance to the Raft Phenomenon. Langmuir, 2002, 18, 2828-2835.	1.6	74
61	Sphingomyelin organization is required for vesicle biogenesis at the Golgi complex. EMBO Journal, 2012, 31, 4535-4546.	3.5	74
62	Liposome destabilization induced by the HIV-1 fusion peptide Effect of a single amino acid substitution. FEBS Letters, 1995, 362, 243-246.	1.3	72
63	Reversible adsorption and nonreversible insertion of Escherichia coli alpha-hemolysin into lipid bilayers. Biophysical Journal, 1996, 71, 1869-1876.	0.2	69
64	Increase in size of sonicated phospholipid vesicles in the presence of detergents. Journal of Membrane Biology, 1982, 67, 55-62.	1.0	67
65	Human Atg8-cardiolipin interactions in mitophagy: Specific properties of LC3B, GABARAPL2 and GABARAP. Autophagy, 2016, 12, 2386-2403.	4.3	67
66	A Trp-BODIPY cyclic peptide for fluorescence labelling of apoptotic bodies. Chemical Communications, 2017, 53, 945-948.	2.2	67
67	Effective detergent/lipid ratios in the solubilization of phosphatidylcholine vesicles by Triton X-100. FEBS Letters, 1992, 302, 138-140.	1.3	65
68	Membrane Restructuring by Bordetella pertussis Adenylate Cyclase Toxin, a Member of the RTX Toxin Family. Journal of Bacteriology, 2004, 186, 3760-3765.	1.0	65
69	Sphingosine Increases the Permeability of Model and Cell Membranes. Biophysical Journal, 2006, 90, 4085-4092.	0.2	65
70	Binding of Î²-Amyloid (1â€"42) Peptide to Negatively Charged Phospholipid Membranes in the Liquid-Ordered State: Modeling and Experimental Studies. Biophysical Journal, 2012, 103, 453-463.	0.2	65
71	â€œRaftsâ€ A nickname for putative transient nanodomains. Chemistry and Physics of Lipids, 2019, 218, 34-39.	1.5	65
72	Protein-lipid interactions. FEBS Letters, 1979, 98, 224-228.	1.3	63

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73	A study of phospholipid phosphate groups in model membranes by Fourier transform infrared spectroscopy. Faraday Discussions of the Chemical Society, 1986, 81, 117-126.	2.2	63
74	Purification and Properties of TrwB, a Hexameric, ATP-binding Integral Membrane Protein Essential for R388 Plasmid Conjugation. Journal of Biological Chemistry, 2002, 277, 46456-46462.	1.6	63
75	Effect of Single Chain Lipids on Phospholipase C-Promoted Vesicle Fusion. A Test for the Stalk Hypothesis of Membrane Fusion. Biochemistry, 1998, 37, 3901-3908.	1.2	62
76	Detergent Effects on Membranes at Subsolubilizing Concentrations: Transmembrane Lipid Motion, Bilayer Permeabilization, and Vesicle Lysis/Reassembly Are Independent Phenomena. Langmuir, 2010, 26, 7307-7313.	1.6	61
77	Sphingomyelinase cleavage of sphingomyelin in pure and mixed lipid membranes. Influence of the physical state of the sphingolipid. Chemistry and Physics of Lipids, 2002, 114, 11-20.	1.5	60
78	Liposomes Containing Sphingomyelin and Cholesterol: Detergent Solubilisation and Infrared Spectroscopic Studies. Journal of Liposome Research, 1999, 9, 247-260.	1.5	59
79	Coexistence of Immiscible Mixtures of Palmitoylsphingomyelin and Palmitoylceramide in Monolayers and Bilayers. Biophysical Journal, 2009, 97, 2717-2726.	0.2	59
80	Insertion of Escherichia coli alpha-haemolysin in lipid bilayers as a non-transmembrane integral protein: prediction and experiment. Molecular Microbiology, 1999, 31, 1013-1024.	1.2	58
81	Membrane Fusion Induced by Phospholipase C and Sphingomyelinases. Bioscience Reports, 2000, 20, 443-463.	1.1	58
82	Leaky Vesicle Fusion Induced by Phosphatidylinositol-Specific Phospholipase C:Â Observation of Mixing of Vesicular Inner Monolayersâ€. Biochemistry, 2000, 39, 14012-14018.	1.2	56
83	Modulation of PI-Specific Phospholipase C by Membrane Curvature and Molecular Order. Biochemistry, 2005, 44, 11592-11600.	1.2	56
84	The Calcium-binding C-terminal Domain of Escherichia coli Î±-Hemolysin Is a Major Determinant in the Surface-active Properties of the Protein. Journal of Biological Chemistry, 2007, 282, 11827-11835.	1.6	56
85	Lipid bilayers containing sphingomyelins and ceramides of varying N-acyl lengths: A glimpse into sphingolipid complexity. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 456-464.	1.4	56
86	Palmitoylcarnitine, a surface-active metabolite. FEBS Letters, 1996, 390, 1-5.	1.3	55
87	Ceramide-Enriched Membrane Domains in Red Blood Cells and the Mechanism of Sphingomyelinase-Induced Hotâˆ'Cold Hemolysis. Biochemistry, 2008, 47, 11222-11230.	1.2	55
88	Phospholipases C and sphingomyelinases: Lipids as substrates and modulators of enzyme activity. Progress in Lipid Research, 2012, 51, 238-266.	5.3	55
89	Phospholipase C-promoted membrane fusion. Retroinhibition by the end-product diacylglycerol. Biochemistry, 1993, 32, 1054-1058.	1.2	54
90	Lipid Geometry and Bilayer Curvature Modulate LC3/GABARAP-Mediated Model Autophagosomal Elongation. Biophysical Journal, 2016, 110, 411-422.	0.2	54

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91	Lipids Favoring Inverted Phase Enhance the Ability of Aerolysin To Permeabilize Liposome Bilayersâ€. Biochemistry, 2000, 39, 14019-14024.	1.2	53
92	An infrared spectroscopic study of Î²-galactosidase structure in aqueous solutions. FEBS Letters, 1989, 252, 118-120.	1.3	52
93	Model Systems of Precursor Cellular Membranes: Long-Chain Alcohols Stabilize Spontaneously Formed Oleic Acid Vesicles. Biophysical Journal, 2012, 102, 278-286.	0.2	52
94	Î±-Haemolysin fromE. colipurification and self-aggregation properties. FEBS Letters, 1991, 280, 195-198.	1.3	51
95	Biophysics (and sociology) of ceramides.. Biochemical Society Symposia, 2005, 72, 177-188.	2.7	51
96	Membrane lipid modifications and therapeutic effects mediated by hydroxydocosahexaenoic acid on Alzheimer's disease. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 1680-1692.	1.4	50
97	Calcium-dependent conformation of E. coli Î±-haemolysin. Implications for the mechanism of membrane insertion and lysis. Biochimica Et Biophysica Acta - Biomembranes, 1998, 1368, 225-234.	1.4	49
98	Kinetic studies on the interaction of phosphatidylcholine liposomes with Triton X-100. Biochimica Et Biophysica Acta - Biomembranes, 1987, 902, 237-246.	1.4	48
99	Triton X-100 Partitioning into Sphingomyelin Bilayers at Subsolubilizing Detergent Concentrations: Effect of Lipid Phase and a Comparison with Dipalmitoylphosphatidylcholine. Biophysical Journal, 2007, 93, 3504-3514.	0.2	46
100	Solid lipid nanoparticles for delivery of Calendula officinalis extract. Colloids and Surfaces B: Biointerfaces, 2015, 135, 18-26.	2.5	46
101	The Membrane-Perturbing Properties of Palmitoyl-Coenzyme A and Palmitoylcarnitine. A Comparative Study. Biochemistry, 1995, 34, 10400-10405.	1.2	45
102	A fluorogenic cyclic peptide for imaging and quantification of drug-induced apoptosis. Nature Communications, 2020, 11, 4027.	5.8	45
103	A pathway for the thermal destabilization of bacteriorhodopsin. FEBS Letters, 1995, 367, 297-300.	1.3	44
104	Dual Inhibitory Effect of Gangliosides on Phospholipase C-Promoted Fusion of Lipidic Vesiclesâ€. Biochemistry, 1996, 35, 7506-7513.	1.2	44
105	A Receptor-binding Region in Escherichia coli Î±-Haemolysin. Journal of Biological Chemistry, 2003, 278, 19159-19163.	1.6	44
106	Biophysical properties of sphingosine, ceramides and other simple sphingolipids. Biochemical Society Transactions, 2014, 42, 1401-1408.	1.6	44
107	N-Nervonoylsphingomyelin (C24:1) Prevents Lateral Heterogeneity in Cholesterol-Containing Membranes. Biophysical Journal, 2014, 106, 2606-2616.	0.2	44
108	Time-resolved and equilibrium measurements of the effects of poly(ethylene glycol) on small unilamellar phospholipid vesicles. Biochemistry, 1993, 32, 3708-3713.	1.2	43

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109	Infrared evidence of a Î²-hairpin peptide structure in solution. FEBS Letters, 1996, 384, 35-37.	1.3	42
110	Multiple stages of detergent-erythrocyte membrane interactionâ€"A spin label study. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 164-170.	1.4	42
111	Biophysical Properties of Novel 1-Deoxy-(Dihydro)ceramides Occurring in Mammalian Cells. Biophysical Journal, 2014, 107, 2850-2859.	0.2	42
112	Non-permanent proteins in membranes: when proteins come as visitors (Review). Molecular Membrane Biology, 2002, 19, 237-245.	2.0	41
113	Membrane Organization and Ionization Behavior of the Minor but Crucial Lipid Ceramide-1-Phosphate. Biophysical Journal, 2008, 94, 4320-4330.	0.2	41
114	Cholesterol Displaces Palmitoylceramide from Its Tight Packing with Palmitoylsphingomyelin in the Absence of a Liquid-Disordered Phase. Biophysical Journal, 2010, 99, 1119-1128.	0.2	41
115	Lamellar Gel (LÎ²) Phases of Ternary Lipid Composition Containing Ceramide and Cholesterol. Biophysical Journal, 2014, 106, 621-630.	0.2	41
116	Protein-lipid interactions and differential scanning calorimetric studies of bacteriorhodopsin reconstituted lipid-water systems. Biochimica Et Biophysica Acta - Biomembranes, 1982, 689, 283-289.	1.4	39
117	Fluorescence quenching at interfaces and the permeation of acrylamide and iodide across phospholipid bilayers. FEBS Letters, 1993, 330, 129-132.	1.3	39
118	An assessment of the biochemical applications of the non-ionic surfactant Hecameg. Biochimica Et Biophysica Acta - Biomembranes, 1994, 1193, 301-306.	1.4	38
119	Purification of Escherichia coli Pro-Haemolysin, and a Comparison with the Properties of Mature alpha-haemolysin. FEBS Journal, 1996, 238, 418-422.	0.2	38
120	Reversible Denaturation, Self-Aggregation, and Membrane Activity ofEscherichiacoliÎ±-Hemolysin, a Protein Stable in 6 M Ureaâ€. Biochemistry, 1998, 37, 6387-6393.	1.2	36
121	Interactions of the HIV-1 fusion peptide with large unilamellar vesicles and monolayers. A cryo-TEM and spectroscopic study. Biochimica Et Biophysica Acta - Biomembranes, 2000, 1467, 153-164.	1.4	36
122	Human ATG3 binding to lipid bilayers: role of lipid geometry, and electric charge. Scientific Reports, 2017, 7, 15614.	1.6	36
123	Structural changes induced by Triton X-100 on sonicated phosphatidylcholine liposomes. FEBS Journal, 1988, 173, 585-588.	0.2	35
124	Differential penetration of fatty acyl-coenzyme A and fatty acylcarnitines into phospholipid monolayers. FEBS Letters, 1995, 357, 75-78.	1.3	34
125	Membrane Fusion Induced by the Catalytic Activity of a Phospholipase C/Sphingomyelinase fromListeria monocytogenesâ€. Biochemistry, 2004, 43, 3688-3695.	1.2	34
126	Detergent solubilization of phosphatidylcholine bilayers in the fluid state: Influence of the acyl chain structure. Biochimica Et Biophysica Acta - Biomembranes, 2006, 1758, 190-196.	1.4	34

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127	Atomic Force Microscopy Characterization of Palmitoylceramide and Cholesterol Effects on Phospholipid Bilayers: A Topographic and Nanomechanical Study. Langmuir, 2015, 31, 3135-3145.	1.6	34
128	Poly(ethylene glycol)-lipid conjugates inhibit phospholipase C-induced lipid hydrolysis, liposome aggregation and fusion through independent mechanisms. FEBS Letters, 1997, 411, 281-286.	1.3	33
129	Mixed Membranes of Sphingolipids and Glycerolipids As Studied by Spin-Label ESR Spectroscopy. A Search for Domain Formation. Biochemistry, 2000, 39, 9876-9883.	1.2	33
130	Membrane Insertion of Escherichia coli Î±-Hemolysin Is Independent from Membrane Lysis. Journal of Biological Chemistry, 2006, 281, 5461-5467.	1.6	33
131	Inhibition by Gangliosides of Bacillus cereus Phospholipase C Activity Against Monolayers, Micelles and Bilayer Vesicles. FEBS Journal, 1996, 239, 105-110.	0.2	32
132	Membrane Fusion Induced by the HIV Type 1 Fusion Peptide: Modulation by Factors Affecting Glycoprotein 41 Activity and Potential Anti-HIV Compounds. AIDS Research and Human Retroviruses, 1997, 13, 1203-1211.	0.5	32
133	Diacylglycerol effects on phosphatidylinositol-specific phospholipase C activity and vesicle fusion. FEBS Letters, 2001, 494, 117-120.	1.3	32
134	Combination of the anti-tumour cell ether lipid edelfosine with sterols abolishes haemolytic side effects of the drug. Journal of Chemical Biology, 2008, 1, 89-94.	2.2	32
135	Phase behavior of palmitoyl and egg sphingomyelin. Chemistry and Physics of Lipids, 2018, 213, 102-110.	1.5	32
136	The components of merocyanine-540 absorption spectra in aqueous, micellar and bilayer environments. FEBS Journal, 1992, 207, 1085-1091.	0.2	31
137	Phospholipase C Hydrolysis of Phospholipids in Bilayers of Mixed Lipid Compositionsâ€. Biochemistry, 1998, 37, 11621-11628.	1.2	31
138	Interbilayer lipid mixing induced by the human immunodeficiency virus type-1 fusion peptide on large unilamellar vesicles: the nature of the nonlamellar intermediates. Chemistry and Physics of Lipids, 1999, 103, 11-20.	1.5	31
139	Infrared spectroscopic studies of detergent-solubilized uncoupling protein from brown-adipose-tissue mitochondria. FEBS Journal, 1990, 188, 83-89.	0.2	30
140	Sphingosine-1-Phosphate as an Amphipathic Metabolite: Its Properties in Aqueous and Membrane Environments. Biophysical Journal, 2009, 97, 1398-1407.	0.2	30
141	The extent of protein hydration dictates the preference for heterogeneous or homogeneous nucleation generating either parallel or antiparallel Î²-sheet Î±-synuclein aggregates. Chemical Science, 2020, 11, 11902-11914.	3.7	30
142	Equilibrium and Kinetic Studies of the Solubilization of Phospholipidâ"Cholesterol Bilayers by C12E8. The Influence of the Lipid Phase Structure. Langmuir, 2000, 16, 1960-1968.	1.6	29
143	Accumulated Bending Energy Elicits Neutral Sphingomyelinase Activity inÂHuman Red Blood Cells. Biophysical Journal, 2012, 102, 2077-2085.	0.2	29
144	Lipid Bilayers in the Gel Phase Become Saturated by Triton X-100 at Lower Surfactant Concentrations Than Those in the Fluid Phase. Biophysical Journal, 2012, 102, 2510-2516.	0.2	29

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145	Two-Photon Laurdan Studies of the Ternary Lipid Mixture DOPC:SM:Cholesterol Reveal a Single Liquid Phase at Sphingomyelin:Cholesterol Ratios Lower Than 1. Langmuir, 2015, 31, 2808-2817.	1.6	29
146	Protein-lipid interactions. A nuclear magnetic resonance study of sarcoplasmic reticulum (calcium(2+), magnesium(2+) ion)-activated ATPase, lipophilin, and proteolipid apoprotein-lecithin systems and a comparison with the effects of cholesterol. Biochemistry, 1979, 18, 5892-5902.	1.2	28
147	Subunit III of Cytochrome c Oxidase Influences the Conformation of Subunits I and II: An Infrared Study. Biochemistry, 1995, 34, 13565-13569.	1.2	28
148	Role of the Transmembrane Domain in the Stability of TrwB, an Integral Protein Involved in Bacterial Conjugation. Journal of Biological Chemistry, 2004, 279, 10955-10961.	1.6	28
149	Surface-active properties of the antitumour ether lipid 1-O-octadecyl-2-O-methyl-rac-glycero-3-phosphocholine (edelfosine). Biochimica Et Biophysica Acta - Biomembranes, 2007, 1768, 1855-1860.	1.4	28
150	Methionine Adenosyltransferase Î±-Helix Structure Unfolds at Lower Temperatures than Î²-Sheet: A 2D-IR Study. Biophysical Journal, 2004, 86, 3951-3958.	0.2	27
151	Ether- versus Ester-Linked Phospholipid Bilayers Containing either Linear or Branched Apolar Chains. Biophysical Journal, 2014, 107, 1364-1374.	0.2	27
152	Phospholipase-C-promoted liposome fusion. Biochemical Society Transactions, 1994, 22, 839-844.	1.6	26
153	Changes in Membrane Organization upon Spontaneous Insertion of 2-Hydroxylated Unsaturated Fatty Acids in the Lipid Bilayer. Langmuir, 2014, 30, 2117-2128.	1.6	26
154	The fatty acids of sphingomyelins and ceramides in mammalian tissues and cultured cells: Biophysical and physiological implications. Chemistry and Physics of Lipids, 2018, 217, 29-34.	1.5	26
155	Pb(II) Induces Scramblase Activation and Ceramide-Domain Generation in Red Blood Cells. Scientific Reports, 2018, 8, 7456.	1.6	26
156	Effect of detergents and fusogenic lipids on phospholipid phase transitions. Journal of Membrane Biology, 1983, 71, 183-187.	1.0	25
157	The transmembrane domain provides nucleotide binding specificity to the bacterial conjugation protein TrwB. FEBS Letters, 2006, 580, 3075-3082.	1.3	25
158	The European Lipidomics Initiative: Enabling Technologies. Methods in Enzymology, 2007, 432, 213-232.	0.4	25
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