

# Alicia Alonso

## List of Publications by Citations

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ext. papers

9,302  
ext. citations

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L-index

#	Paper	IF	Citations
195	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). <i>Autophagy</i> , <b>2021</b> , 17, 1-382	10.2	440
194	Compartmentalization of ceramide signaling: physical foundations and biological effects. <i>Journal of Cellular Physiology</i> , <b>2000</b> , 184, 285-300	7	376
193	Sphingomyelinases: enzymology and membrane activity. <i>FEBS Letters</i> , <b>2002</b> , 531, 38-46	3.8	273
192	Biophysics of sphingolipids I. Membrane properties of sphingosine, ceramides and other simple sphingolipids. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2006</b> , 1758, 1902-21	3.8	214
191	Ceramides in phospholipid membranes: effects on bilayer stability and transition to nonlamellar phases. <i>Biophysical Journal</i> , <b>1999</b> , 76, 342-50	2.9	205
190	Giant unilamellar vesicles electroformed from native membranes and organic lipid mixtures under physiological conditions. <i>Biophysical Journal</i> , <b>2007</b> , 93, 3548-54	2.9	190
189	Structure and functional properties of diacylglycerols in membranes. <i>Progress in Lipid Research</i> , <b>1999</b> , 38, 1-48	14.3	189
188	Transbilayer (flip-flop) lipid motion and lipid scrambling in membranes. <i>FEBS Letters</i> , <b>2010</b> , 584, 1779-86	3.8	182
187	Phase diagrams of lipid mixtures relevant to the study of membrane rafts. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2008</b> , 1781, 665-84	5	165
186	Effects of ceramide and other simple sphingolipids on membrane lateral structure. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2009</b> , 1788, 169-77	3.8	163
185	Intrinsic protein-lipid interactions. Infrared spectroscopic studies of gramicidin A, bacteriorhodopsin and Ca <sup>2+</sup> -ATPase in biomembranes and reconstituted systems. <i>Journal of Molecular Biology</i> , <b>1982</b> , 157, 597-618	6.5	143
184	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> , <b>2001</b> , 40, 2614-22	3.2	137
183	Liposome fusion catalytically induced by phospholipase C. <i>Biochemistry</i> , <b>1989</b> , 28, 7364-7	3.2	134
182	Detergent-resistant, ceramide-enriched domains in sphingomyelin/ceramide bilayers. <i>Biophysical Journal</i> , <b>2006</b> , 90, 903-14	2.9	130
181	Different effects of enzyme-generated ceramides and diacylglycerols in phospholipid membrane fusion and leakage. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 26616-21	5.4	129
180	Membrane restructuring via ceramide results in enhanced solute efflux. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 11788-94	5.4	114
179	Surfactant-induced release of liposomal contents. A survey of methods and results. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1988</b> , 937, 127-34	3.8	105

178	Sphingomyelinase activity causes transbilayer lipid translocation in model and cell membranes. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 37169-74	5.4	100
177	Morphological changes induced by phospholipase C and by sphingomyelinase on large unilamellar vesicles: a cryo-transmission electron microscopy study of liposome fusion. <i>Biophysical Journal</i> , <b>1997</b> , 72, 2630-7	2.9	94
176	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. <i>Biophysical Journal</i> , <b>2005</b> , 88, 3368-80	2.9	92
175	Asymmetric addition of ceramides but not dihydroceramides promotes transbilayer (flip-flop) lipid motion in membranes. <i>Biophysical Journal</i> , <b>2005</b> , 88, 348-59	2.9	90
174	The interaction of phosphatidylcholine bilayers with Triton X-100. <i>FEBS Journal</i> , <b>1986</b> , 160, 659-65		90
173	Detergent solubilization of phospholipid vesicle. Effect of electric charge. <i>Biochemical Journal</i> , <b>1990</b> , 270, 305-8	3.8	88
172	Detergent solubilization of lipid bilayers: a balance of driving forces. <i>Trends in Biochemical Sciences</i> , <b>2013</b> , 38, 85-93	10.3	87
171	Cholesterol displacement by ceramide in sphingomyelin-containing liquid-ordered domains, and generation of gel regions in giant lipidic vesicles. <i>FEBS Letters</i> , <b>2008</b> , 582, 3230-6	3.8	87
170	Dihydroceramide accumulation mediates cytotoxic autophagy of cancer cells via autolysosome destabilization. <i>Autophagy</i> , <b>2016</b> , 12, 2213-2229	10.2	85
169	Detergent solubilisation of phospholipid bilayers in the gel state: the role of polar and hydrophobic forces. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1998</b> , 1373, 112-8	3.8	80
168	Topological properties of two cubic phases of a phospholipid:cholesterol:diacylglycerol aqueous system and their possible implications in the phospholipase C-induced liposome fusion. <i>FEBS Letters</i> , <b>1995</b> , 368, 143-7	3.8	79
167	Solubilization of Phospholipid Bilayers by Surfactants Belonging to the Triton X Series: Effect of Polar Group Size. <i>Journal of Colloid and Interface Science</i> , <b>1996</b> , 178, 156-159	9.3	75
166	Lysis and reassembly of sonicated lecithin vesicles in the presence of Triton X-100. <i>FEBS Letters</i> , <b>1981</b> , 123, 200-4	3.8	75
165	Domain formation in sphingomyelin/cholesterol mixed membranes studied by spin-label electron spin resonance spectroscopy. <i>Biochemistry</i> , <b>2005</b> , 44, 4911-8	3.2	74
164	Molecular associations and surface-active properties of short- and long-N-acyl chain ceramides. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2005</b> , 1711, 12-9	3.8	71
163	Diacylglycerol and the promotion of lamellar-hexagonal and lamellar-isotropic phase transitions in lipids: implications for membrane fusion. <i>Biophysical Journal</i> , <b>1996</b> , 70, 2299-306	2.9	71
162	Vesicle membrane fusion induced by the concerted activities of sphingomyelinase and phospholipase C. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 22977-82	5.4	70
161	Triton X-100-Resistant Bilayers: Effect of Lipid Composition and Relevance to the Raft Phenomenon. <i>Langmuir</i> , <b>2002</b> , 18, 2828-2835	4	69

160	Origin of the lag period in the phospholipase C cleavage of phospholipids in membranes. Concomitant vesicle aggregation and enzyme activation. <i>Biochemistry</i> , <b>1996</b> , 35, 15183-7	3.2	67
159	Cholesterol interactions with ceramide and sphingomyelin. <i>Chemistry and Physics of Lipids</i> , <b>2016</b> , 199, 26-34	3.7	66
158	Spectroscopic techniques in the study of membrane solubilization, reconstitution and permeabilization by detergents. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2000</b> , 1508, 51-68	3.8	65
157	The Physical Properties of Ceramides in Membranes. <i>Annual Review of Biophysics</i> , <b>2018</b> , 47, 633-654	21.1	63
156	Dihydrosphingomyelin impairs HIV-1 infection by rigidifying liquid-ordered membrane domains. <i>Chemistry and Biology</i> , <b>2010</b> , 17, 766-75		59
155	Increase in size of sonicated phospholipid vesicles in the presence of detergents. <i>Journal of Membrane Biology</i> , <b>1982</b> , 67, 55-62	2.3	59
154	Effect of single chain lipids on phospholipase C-promoted vesicle fusion. A test for the stalk hypothesis of membrane fusion. <i>Biochemistry</i> , <b>1998</b> , 37, 3901-8	3.2	58
153	Membrane fusion induced by phospholipase C and sphingomyelinases. <i>Bioscience Reports</i> , <b>2000</b> , 20, 443-453		57
152	Liposomes Containing Sphingomyelin and Cholesterol: Detergent Solubilisation and Infrared Spectroscopic Studies. <i>Journal of Liposome Research</i> , <b>1999</b> , 9, 247-260	6.1	57
151	Sphingomyelinase cleavage of sphingomyelin in pure and mixed lipid membranes. Influence of the physical state of the sphingolipid. <i>Chemistry and Physics of Lipids</i> , <b>2002</b> , 114, 11-20	3.7	56
150	Coexistence of immiscible mixtures of palmitoylsphingomyelin and palmitoylceramide in monolayers and bilayers. <i>Biophysical Journal</i> , <b>2009</b> , 97, 2717-26	2.9	55
149	Sphingosine increases the permeability of model and cell membranes. <i>Biophysical Journal</i> , <b>2006</b> , 90, 4085-92		54
148	Detergent effects on membranes at subsolubilizing concentrations: transmembrane lipid motion, bilayer permeabilization, and vesicle lysis/reassembly are independent phenomena. <i>Langmuir</i> , <b>2010</b> , 26, 7307-13	4	52
147	The physical properties and photopolymerization of diacetylene-containing phospholipid liposomes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1983</b> , 732, 210-218	3.8	52
146	Phospholipase C-promoted membrane fusion. Retroinhibition by the end-product diacylglycerol. <i>Biochemistry</i> , <b>1993</b> , 32, 1054-8	3.2	51
145	Ceramide-enriched membrane domains in red blood cells and the mechanism of sphingomyelinase-induced hot-cold hemolysis. <i>Biochemistry</i> , <b>2008</b> , 47, 11222-30	3.2	50
144	Modulation of PI-specific phospholipase C by membrane curvature and molecular order. <i>Biochemistry</i> , <b>2005</b> , 44, 11592-600	3.2	50
143	Human Atg8-cardiolipin interactions in mitophagy: Specific properties of LC3B, GABARAPL2 and GABARAP. <i>Autophagy</i> , <b>2016</b> , 12, 2386-2403	10.2	49

142	Leaky vesicle fusion induced by phosphatidylinositol-specific phospholipase C: observation of mixing of vesicular inner monolayers. <i>Biochemistry</i> , <b>2000</b> , 39, 14012-8	3.2	49
141	Lipid bilayers containing sphingomyelins and ceramides of varying N-acyl lengths: a glimpse into sphingolipid complexity. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2014</b> , 1838, 456-64	3.8	48
140	Palmitoylcarnitine, a surface-active metabolite. <i>FEBS Letters</i> , <b>1996</b> , 390, 1-5	3.8	48
139	Lipids favoring inverted phase enhance the ability of aerolysin to permeabilize liposome bilayers. <i>Biochemistry</i> , <b>2000</b> , 39, 14019-24	3.2	46
138	Kinetic studies on the interaction of phosphatidylcholine liposomes with Triton X-100. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1987</b> , 902, 237-46	3.8	45
137	On the interaction of ubiquinones with phospholipid bilayers. <i>FEBS Letters</i> , <b>1981</b> , 132, 19-22	3.8	43
136	Triton X-100 partitioning into sphingomyelin bilayers at subsolubilizing detergent concentrations: effect of lipid phase and a comparison with dipalmitoylphosphatidylcholine. <i>Biophysical Journal</i> , <b>2007</b> , 93, 3504-14	2.9	42
135	Phospholipases C and sphingomyelinases: Lipids as substrates and modulators of enzyme activity. <i>Progress in Lipid Research</i> , <b>2012</b> , 51, 238-66	14.3	41
134	The membrane-perturbing properties of palmitoyl-coenzyme A and palmitoylcarnitine. A comparative study. <i>Biochemistry</i> , <b>1995</b> , 34, 10400-5	3.2	40
133	Dual inhibitory effect of gangliosides on phospholipase C-promoted fusion of lipidic vesicles. <i>Biochemistry</i> , <b>1996</b> , 35, 7506-13	3.2	40
132	Detergent-like properties of polyethyleneglycols in relation to model membranes. <i>FEBS Letters</i> , <b>1982</b> , 137, 323-6	3.8	39
131	Endomembrane PtdIns(3,4,5)P3 activates the PI3K-Akt pathway. <i>Journal of Cell Science</i> , <b>2015</b> , 128, 3456-65	3.5	38
130	Lamellar gel (L <sub>β</sub> ) phases of ternary lipid composition containing ceramide and cholesterol. <i>Biophysical Journal</i> , <b>2014</b> , 106, 621-30	2.9	38
129	Membrane organization and ionization behavior of the minor but crucial lipid ceramide-1-phosphate. <i>Biophysical Journal</i> , <b>2008</b> , 94, 4320-30	2.9	37
128	An assessment of the biochemical applications of the non-ionic surfactant Hecameg. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1994</b> , 1193, 301-6	3.8	37
127	Partial dehydration of phosphatidylethanolamine phosphate groups during hexagonal phase formation, as seen by i.r. spectroscopy. <i>Biochemical Journal</i> , <b>1992</b> , 282 ( Pt 2), 467-70	3.8	37
126	Lipid Geometry and Bilayer Curvature Modulate LC3/GABARAP-Mediated Model Autophagosomal Elongation. <i>Biophysical Journal</i> , <b>2016</b> , 110, 411-422	2.9	36
125	Cholesterol displaces palmitoylceramide from its tight packing with palmitoylsphingomyelin in the absence of a liquid-disordered phase. <i>Biophysical Journal</i> , <b>2010</b> , 99, 1119-28	2.9	36

124	Solid lipid nanoparticles for delivery of Calendula officinalis extract. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2015</b> , 135, 18-26	6	34
123	Sec14-nodulin proteins and the patterning of phosphoinositide landmarks for developmental control of membrane morphogenesis. <i>Molecular Biology of the Cell</i> , <b>2015</b> , 26, 1764-81	3.5	34
122	Biophysical properties of sphingosine, ceramides and other simple sphingolipids. <i>Biochemical Society Transactions</i> , <b>2014</b> , 42, 1401-8	5.1	34
121	Cholesterol modulation of sphingomyelinase activity at physiological temperatures. <i>Chemistry and Physics of Lipids</i> , <b>2004</b> , 130, 127-34	3.7	34
120	Protein-lipid interactions and differential scanning calorimetric studies of bacteriorhodopsin reconstituted lipid-water systems. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1982</b> , 689, 283-289	3.8	34
119	Biophysics (and sociology) of ceramides. <i>Biochemical Society Symposia</i> , <b>2005</b> , 177-88		34
118	Biophysical properties of novel 1-deoxy-(dihydro)ceramides occurring in mammalian cells. <i>Biophysical Journal</i> , <b>2014</b> , 107, 2850-2859	2.9	33
117	Membrane fusion induced by the catalytic activity of a phospholipase C/sphingomyelinase from <i>Listeria monocytogenes</i> . <i>Biochemistry</i> , <b>2004</b> , 43, 3688-95	3.2	33
116	Structural changes induced by Triton X-100 on sonicated phosphatidylcholine liposomes. <i>FEBS Journal</i> , <b>1988</b> , 173, 585-8		33
115	Mixed membranes of sphingolipids and glycerolipids as studied by spin-label ESR spectroscopy. A search for domain formation. <i>Biochemistry</i> , <b>2000</b> , 39, 9876-83	3.2	31
114	Atomic force microscopy characterization of palmitoylceramide and cholesterol effects on phospholipid bilayers: a topographic and nanomechanical study. <i>Langmuir</i> , <b>2015</b> , 31, 3135-45	4	30
113	Combination of the anti-tumour cell ether lipid edelfosine with sterols abolishes haemolytic side effects of the drug. <i>Journal of Chemical Biology</i> , <b>2008</b> , 1, 89-94		29
112	Equilibrium and Kinetic Studies of the Solubilization of Phospholipid-Cholesterol Bilayers by C12E8. The Influence of the Lipid Phase Structure. <i>Langmuir</i> , <b>2000</b> , 16, 1960-1968	4	29
111	Diacylglycerol effects on phosphatidylinositol-specific phospholipase C activity and vesicle fusion. <i>FEBS Letters</i> , <b>2001</b> , 494, 117-20	3.8	29
110	Phospholipase C hydrolysis of phospholipids in bilayers of mixed lipid compositions. <i>Biochemistry</i> , <b>1998</b> , 37, 11621-8	3.2	29
109	Differential penetration of fatty acyl-coenzyme A and fatty acylcarnitines into phospholipid monolayers. <i>FEBS Letters</i> , <b>1995</b> , 357, 75-8	3.8	29
108	Inhibition by gangliosides of <i>Bacillus cereus</i> phospholipase C activity against monolayers, micelles and bilayer vesicles. <i>FEBS Journal</i> , <b>1996</b> , 239, 105-10		29
107	Detergent solubilization of phosphatidylcholine bilayers in the fluid state: influence of the acyl chain structure. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2006</b> , 1758, 190-6	3.8	28

106	Sphingosine-1-phosphate as an amphipathic metabolite: its properties in aqueous and membrane environments. <i>Biophysical Journal</i> , <b>2009</b> , 97, 1398-407	2.9	27
105	The effect of bilayer order and fluidity on detergent-induced liposome fusion. <i>FEBS Letters</i> , <b>1985</b> , 179, 311-5	3.8	27
104	Poly(ethylene glycol)-lipid conjugates inhibit phospholipase C-induced lipid hydrolysis, liposome aggregation and fusion through independent mechanisms. <i>FEBS Letters</i> , <b>1997</b> , 411, 281-6	3.8	26
103	Surface-active properties of the antitumour ether lipid 1-O-octadecyl-2-O-methyl-rac-glycero-3-phosphocholine (edelfosine). <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2007</b> , 1768, 1855-60	3.8	25
102	Lipid bilayers in the gel phase become saturated by triton X-100 at lower surfactant concentrations than those in the fluid phase. <i>Biophysical Journal</i> , <b>2012</b> , 102, 2510-6	2.9	24
101	Implication of ceramide, ceramide 1-phosphate and sphingosine 1-phosphate in tumorigenesis. <i>Translational Oncogenomics</i> , <b>2008</b> , 3, 81-98		23
100	Human ATG3 binding to lipid bilayers: role of lipid geometry, and electric charge. <i>Scientific Reports</i> , <b>2017</b> , 7, 15614	4.9	22
99	A cholesterol recognition motif in human phospholipid scramblase 1. <i>Biophysical Journal</i> , <b>2014</b> , 107, 1383-92		22
98	Phospholipase C and sphingomyelinase activities of the Clostridium perfringens alpha-toxin. <i>Chemistry and Physics of Lipids</i> , <b>2009</b> , 159, 51-7	3.7	22
97	Leakage-free membrane fusion induced by the hydrolytic activity of PlcHR(2), a novel phospholipase C/sphingomyelinase from Pseudomonas aeruginosa. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2007</b> , 1768, 2365-72	3.8	22
96	The physical state of ubiquinone-10, in pure form and incorporated into phospholipid bilayers. A Fourier-transform infrared spectroscopic study. <i>FEBS Journal</i> , <b>1992</b> , 204, 1125-30		22
95	Effect of detergents and fusogenic lipids on phospholipid phase transitions. <i>Journal of Membrane Biology</i> , <b>1983</b> , 71, 183-187	2.3	22
94	Unexpected wide substrate specificity of C. perfringens $\beta$ -toxin phospholipase C. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2011</b> , 1808, 2618-27	3.8	21
93	Surfactant effects of chlorpromazine and imipramine on lipid bilayers containing sphingomyelin and cholesterol. <i>Journal of Colloid and Interface Science</i> , <b>2002</b> , 256, 284-9	9.3	21
92	The biosynthetic incorporation of diacetylenic fatty acids into the biomembranes of Acholeplasma laidlawii A cells and polymerisation of the biomembranes by irradiation with ultraviolet light. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1983</b> , 727, 327-35	3.8	21
91	Accumulated bending energy elicits neutral sphingomyelinase activity in human red blood cells. <i>Biophysical Journal</i> , <b>2012</b> , 102, 2077-85	2.9	20
90	End-products diacylglycerol and ceramide modulate membrane fusion induced by a phospholipase C/sphingomyelinase from Pseudomonas aeruginosa. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2010</b> , 1798, 59-64	3.8	20
89	Phospholipase-C-promoted liposome fusion. <i>Biochemical Society Transactions</i> , <b>1994</b> , 22, 839-44	5.1	20



88	An infrared investigation of palmitoyl-coenzyme A and palmitoylcarnitine interaction with perdeuterated-chain phospholipid bilayers. <i>FEBS Journal</i> , <b>1995</b> , 231, 199-203		20
87	The influence of membrane composition on the solubilizing effects of Triton X-100. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1987</b> , 904, 337-45	3.8	20
86	Electroformation of giant unilamellar vesicles from native membranes and organic lipid mixtures for the study of lipid domains under physiological ionic-strength conditions. <i>Methods in Molecular Biology</i> , <b>2010</b> , 606, 105-14	1.4	20
85	Does Ceramide Form Channels? The Ceramide-Induced Membrane Permeabilization Mechanism. <i>Biophysical Journal</i> , <b>2017</b> , 113, 860-868	2.9	19
84	Effects of bilayer composition and physical properties on the phospholipase C and sphingomyelinase activities of <i>Clostridium perfringens</i> Exotoxin. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2011</b> , 1808, 279-86	3.8	18
83	The interaction of detergents with phospholipid vesicles: a spectrofluorimetric study. <i>FEBS Letters</i> , <b>1982</b> , 137, 141-5	3.8	18
82	The fatty acids of sphingomyelins and ceramides in mammalian tissues and cultured cells: Biophysical and physiological implications. <i>Chemistry and Physics of Lipids</i> , <b>2018</b> , 217, 29-34	3.7	18
81	Pb(II) Induces Scramblase Activation and Ceramide-Domain Generation in Red Blood Cells. <i>Scientific Reports</i> , <b>2018</b> , 8, 7456	4.9	17
80	Quantitation of cholesterol incorporation into extruded lipid bilayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2010</b> , 1798, 1735-8	3.8	17
79	Phospholipase C activity-induced fusion of pure lipid model membranes. A freeze fracture study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1991</b> , 1068, 249-53	3.8	17
78	Multiple phospholipid substrates of phospholipase C/sphingomyelinase HR2 from <i>Pseudomonas aeruginosa</i> . <i>Chemistry and Physics of Lipids</i> , <b>2011</b> , 164, 78-82	3.7	16
77	Interfacial enzyme activation, non-lamellar phase formation and membrane fusion. Is there a conducting thread?. <i>Faraday Discussions</i> , <b>1998</b> , 55-68; discussion 69-78	3.6	15
76	Towards the in vitro reconstitution of caveolae. Asymmetric incorporation of glycosylphosphatidylinositol (GPI) and gangliosides into liposomal membranes. <i>FEBS Letters</i> , <b>1999</b> , 457, 71-4	3.8	15
75	Ceramide-Induced Lamellar Gel Phases in Fluid Cell Lipid Extracts. <i>Langmuir</i> , <b>2016</b> , 32, 9053-63	4	14
74	The channel-forming protein proaerolysin remains a dimer at low concentrations in solution. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 551-4	5.4	14
73	Liposome aggregation induced by poly(ethylene glycol). Rapid kinetic studies. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>1995</b> , 3, 263-270	6	14
72	Cholesterol-Ceramide Interactions in Phospholipid and Sphingolipid Bilayers As Observed by Positron Annihilation Lifetime Spectroscopy and Molecular Dynamics Simulations. <i>Langmuir</i> , <b>2016</b> , 32, 5434-44	4	14
71	Membrane permeabilization induced by sphingosine: effect of negatively charged lipids. <i>Biophysical Journal</i> , <b>2014</b> , 106, 2577-84	2.9	13



70	Imaging the early stages of phospholipase C/sphingomyelinase activity on vesicles containing coexisting ordered-disordered and gel-fluid domains. <i>Journal of Lipid Research</i> , <b>2011</b> , 52, 635-45	6.3	13
69	Interaction of phospholipases C and sphingomyelinase with liposomes. <i>Methods in Enzymology</i> , <b>2003</b> , 372, 3-19	1.7	13
68	Sphingolipids (Galactosylceramide and Sulfatide) in Lamellar-Hexagonal Phospholipid Phase Transitions and in Membrane Fusion <i>Langmuir</i> , <b>2000</b> , 16, 8958-8963	4	13
67	The Critical Micellar Concentrations of Fatty Acyl Coenzyme A and Fatty Acyl Carnitines. <i>Journal of Colloid and Interface Science</i> , <b>1993</b> , 161, 343-346	9.3	13
66	Complex Effects of 24:1 Sphingolipids in Membranes Containing Dioleoylphosphatidylcholine and Cholesterol. <i>Langmuir</i> , <b>2017</b> , 33, 5545-5554	4	12
65	Phospholipase cleavage of glycosylphosphatidylinositol reconstituted in liposomal membranes. <i>FEBS Letters</i> , <b>1998</b> , 432, 150-4	3.8	12
64	Lipidic nanovesicles stabilize suspensions of metal oxide nanoparticles. <i>Chemistry and Physics of Lipids</i> , <b>2015</b> , 191, 84-90	3.7	11
63	Membrane binding and insertion of the predicted transmembrane domain of human scramblase 1. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2014</b> , 1838, 388-97	3.8	11
62	High-melting lipid mixtures and the origin of detergent-resistant membranes studied with temperature-solubilization diagrams. <i>Biophysical Journal</i> , <b>2014</b> , 107, 2828-2837	2.9	11
61	Purification and Characterization of Insulin-Mimetic Inositol Phosphoglycan-Like Molecules From Grass Pea ( <i>Lathyrus sativus</i> ) Seeds. <i>Molecular Medicine</i> , <b>2001</b> , 7, 454-460	6.2	11
60	Ceramide-induced transbilayer (flip-flop) lipid movement in membranes. <i>Methods in Molecular Biology</i> , <b>2009</b> , 462, 155-65	1.4	11
59	Homogeneous and Heterogeneous Bilayers of Ternary Lipid Compositions Containing Equimolar Ceramide and Cholesterol. <i>Langmuir</i> , <b>2019</b> , 35, 5305-5315	4	10
58	Ceramide increases free volume voids in DPPC membranes. <i>RSC Advances</i> , <b>2015</b> , 5, 44282-44290	3.7	10
57	Lipid-protein interactions. The mitochondrial complex III-phosphatidylcholine-water system. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1988</b> , 942, 341-52	3.8	10
56	Orientation of sickle red blood cells in an alternating electric field. <i>Die Naturwissenschaften</i> , <b>1984</b> , 71, 158-60	2	10
55	Effect of long-chain acyl-CoAs and acylcarnitines on gel-fluid and lamellar-hexagonal phospholipid phase transitions. <i>Molecular Membrane Biology</i> , <b>1996</b> , 13, 165-72	3.4	9
54	End-product diacylglycerol enhances the activity of PI-PLC through changes in membrane domain structure. <i>Biophysical Journal</i> , <b>2015</b> , 108, 1672-1682	2.9	8
53	Alkanes are not innocuous vehicles for hydrophobic reagents in membrane studies. <i>Chemistry and Physics of Lipids</i> , <b>2006</b> , 139, 107-14	3.7	8

52	The lamellar to hexagonal phase transition in phosphatidylethanolamine liposomes: a fluorescence anisotropy study. <i>Biochemical and Biophysical Research Communications</i> , <b>1990</b> , 168, 987-92	3.4	8
51	Mixing brain cerebroside with brain ceramides, cholesterol and phospholipids. <i>Scientific Reports</i> , <b>2019</b> , 9, 13326	4.9	7
50	Histones and DNA compete for binding polyphosphoinositides in bilayers. <i>Biophysical Journal</i> , <b>2014</b> , 106, 1092-100	2.9	7
49	Real-time measurements of chemically-induced membrane fusion in cell monolayers, using a resonance energy transfer method. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1994</b> , 1189, 175-80	3.8	7
48	Omega-3 polyunsaturated fatty acids do not fluidify bilayers in the liquid-crystalline state. <i>Scientific Reports</i> , <b>2018</b> , 8, 16240	4.9	7
47	The Binding of A $\beta$ 2 Peptide Monomers to Sphingomyelin/Cholesterol/Ganglioside Bilayers Assayed by Density Gradient Ultracentrifugation. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	6
46	Fast and slow biomembrane solubilizing detergents: Insights into their mechanism of action. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2019</b> , 183, 110430	6	6
45	Membrane binding of human phospholipid scramblase 1 cytoplasmic domain. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2014</b> , 1838, 1785-92	3.8	6
44	Sphingosine induces the aggregation of imine-containing peroxidized vesicles. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2014</b> , 1838, 2071-7	3.8	6
43	Recruitment of a phospholipase C/sphingomyelinase into non-lamellar lipid droplets during hydrolysis of lipid bilayers. <i>Chemistry and Physics of Lipids</i> , <b>2013</b> , 166, 12-7	3.7	6
42	Histones cause aggregation and fusion of lipid vesicles containing phosphatidylinositol-4-phosphate. <i>Biophysical Journal</i> , <b>2015</b> , 108, 863-871	2.9	6
41	In situ synthesis of fluorescent membrane lipids (ceramides) using click chemistry. <i>Journal of Chemical Biology</i> , <b>2012</b> , 5, 119-23		6
40	Phosphorylation of glycosyl-phosphatidylinositol by phosphatidylinositol 3-kinase changes its properties as a substrate for phospholipases. <i>FEBS Letters</i> , <b>2005</b> , 579, 59-65	3.8	6
39	Polymerisation of diacetylenic fatty acid in cultures of <i>Bacillus cereus</i> . <i>Lipids and Lipid Metabolism</i> , <b>1982</b> , 712, 292-298		6
38	Patches and Blebs: A Comparative Study of the Composition and Biophysical Properties of Two Plasma Membrane Preparations from CHO Cells. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	5
37	Fluorescent polyene ceramide analogues as membrane probes. <i>Langmuir</i> , <b>2015</b> , 31, 2484-92	4	5
36	Lipid-protein interaction. The incorporation of myelin proteolipid apoprotein into phosphatidylcholine bilayers. <i>FEBS Journal</i> , <b>1988</b> , 174, 641-6		5
35	Sublytic and lytic effects of the zwitterionic bile derivative 3-((3-deoxycholamidopropyl)dimethylammonio)-1-propanesulfonate on phosphatidylcholine liposomes. <i>Archives of Biochemistry and Biophysics</i> , <b>1988</b> , 262, 585-91	4.1	5

34	Exploring polar headgroup interactions between sphingomyelin and ceramide with infrared spectroscopy. <i>Scientific Reports</i> , <b>2020</b> , 10, 17606	4.9	5
33	The interaction of lipid-liganded gold clusters (Aurora ) with lipid bilayers. <i>Chemistry and Physics of Lipids</i> , <b>2019</b> , 218, 40-46	3.7	5
32	Thermally-induced aggregation and fusion of protein-free lipid vesicles. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2015</b> , 136, 545-52	6	4
31	The onset of Triton X-100 solubilization of sphingomyelin/ceramide bilayers: effects of temperature and composition. <i>Chemistry and Physics of Lipids</i> , <b>2013</b> , 167-168, 57-61	3.7	4
30	Colorimetric assay of gramicidin A in the presence of surfactants and phospholipids. <i>Journal of Proteomics</i> , <b>1985</b> , 11, 341-5		4
29	Vesicular PtdIns(3,4,5)P3 and Rab7 are key effectors of sea urchin zygote nuclear membrane fusion. <i>Journal of Cell Science</i> , <b>2017</b> , 130, 444-452	5.3	4
28	Compartmentalization of ceramide signaling: physical foundations and biological effects <b>2000</b> , 184, 285		4
27	Lamellar Phases Composed of Phospholipid, Cholesterol, and Ceramide, as Studied by H NMR. <i>Biophysical Journal</i> , <b>2019</b> , 117, 296-306	2.9	3
26	Calcium inhibits diacylglycerol uptake by serum albumin. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2009</b> , 1788, 701-7	3.8	3
25	Amyloid (1-42) peptide adsorbs but does not insert into ganglioside-containing phospholipid membranes in the liquid-disordered state: modelling and experimental studies. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 164, 2651-2658	7.9	3
24	Phase-selective staining of model and cell membranes, lipid droplets and lipoproteins with fluorescent solvatochromic pyrene probes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2021</b> , 1863, 183470	3.8	3
23	The interaction of A $\beta$ 2 peptide in monomer, oligomer or fibril forms with sphingomyelin/cholesterol/ganglioside bilayers. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 168, 611-619	7.9	3
22	Clearly Detectable, Kinetically Restricted Solid-Solid Phase Transition in cis-Ceramide Monolayers. <i>Langmuir</i> , <b>2018</b> , 34, 11749-11758	4	3
21	LC3 subfamily in cardiolipin-mediated mitophagy: a comparison of the LC3A, LC3B and LC3C homologs.. <i>Autophagy</i> , <b>2022</b> , 1-19	10.2	3
20	Biophysical properties and membrane organization of ceramides, ceramide-1-phosphate and other simple sphingolipids. <i>Chemistry and Physics of Lipids</i> , <b>2009</b> , 160, S2	3.7	2
19	Special issue on sphingolipids. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2006</b> , 1758, 1863	3.8	2
18	Digestibility and fate of lutein in chicken. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , <b>1981</b> , 70, 619-621		2
17	LC3 subfamily in cardiolipin-mediated mitophagy: A comparison of the LC3A, LC3B and LC3C homologs		2

16	C24:0 and C24:1 sphingolipids in cholesterol-containing, five- and six-component lipid membranes. <i>Scientific Reports</i> , <b>2020</b> , 10, 14085	4.9	2
15	Biophysical Studies of LC3 Family Proteins. <i>Methods in Molecular Biology</i> , <b>2019</b> , 1880, 91-117	1.4	2
14	Lipid Self-Assemblies under the Atomic Force Microscope. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	2
13	Membrane Nanodomains1-8		2
12	Surfactant-induced liposome fusion: molecular mechanisms and biotechnological applications. <i>Advances in Experimental Medicine and Biology</i> , <b>1988</b> , 238, 81-103	3.6	2
11	Effect of Sublytic Concentrations of Sodium Cholate on Phospholipase C Hydrolysis of Phospholipid Bilayers. <i>Journal of Colloid and Interface Science</i> , <b>1999</b> , 219, 163-167	9.3	1
10	Effect of sodium dodecyl sulphate on sonicated and non-sonicated phosphatidylcholine vesicles. <i>Biochemical Society Transactions</i> , <b>1980</b> , 8, 555-6	5.1	1
9	CHO/LY-B cell growth under limiting sphingolipid supply: Correlation between lipid composition and biophysical properties of sphingolipid-restricted cell membranes. <i>FASEB Journal</i> , <b>2021</b> , 35, e21657	0.9	1
8	Molecular and mesoscopic geometries in autophagosome generation. A review. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2021</b> , 1863, 183731	3.8	1
7	Differential Scanning Calorimetry in the Study of Lipid Structures47-66		0
6	Plasma membrane effects of sphingolipid-synthesis inhibition by myriocin in CHO cells: a biophysical and lipidomic study.. <i>Scientific Reports</i> , <b>2022</b> , 12, 955	4.9	0
5	In Vitro Techniques <b>2006</b> , 201-378		
4	Sphingomyelinases and Their Interaction with Membrane Lipids <b>2005</b> , 79-100		
3	On the Mechanism of Phospholipase C-Induced Fusion of Pure Lipid Membranes <b>1991</b> , 177-194		
2	Cholesterol and ceramide: An unlikely pair <b>2022</b> , 111-126		
1	Autophagy protein LC3C binding to phospholipid and interaction with lipid membranes. <i>International Journal of Biological Macromolecules</i> , <b>2022</b> , 212, 432-441	7.9	