Alicia Alonso

List of Publications by Year in Descending Order

195 papers	8,181 citations	50 h-index	84 g-index
204 ext. papers	9,302 ext. citations	3.9 avg, IF	5.85 L-index

#	Paper	IF	Citations
195	Plasma membrane effects of sphingolipid-synthesis inhibition by myriocin in CHO cells: a biophysical and lipidomic study.. *Scientific Reports*, **2022**, 12, 955	4.9	0
194	LC3 subfamily in cardiolipin-mediated mitophagy: a comparison of the LC3A, LC3B and LC3C homologs.. *Autophagy*, **2022**, 1-19	10.2	3
193	Cholesterol and ceramide: An unlikely pair **2022**, 111-126		
192	Autophagy protein LC3C binding to phospholipid and interaction with lipid membranes. *International Journal of Biological Macromolecules*, **2022**, 212, 432-441	7.9	
191	CHO/LY-B cell growth under limiting sphingolipid supply: Correlation between lipid composition and biophysical properties of sphingolipid-restricted cell membranes. *FASEB Journal*, **2021**, 35, e21657	0.9	1
190	Phase-selective staining of model and cell membranes, lipid droplets and lipoproteins with fluorescent solvatochromic pyrene probes. *Biochimica Et Biophysica Acta - Biomembranes*, **2021**, 1863, 183470	3.8	3
189	The interaction of A□2 peptide in monomer, oligomer or fibril forms with sphingomyelin/cholesterol/ganglioside bilayers. *International Journal of Biological Macromolecules*, **2021**, 168, 611-619	7.9	3
188	Lipid Self-Assemblies under the Atomic Force Microscope. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	2
187	Molecular and mesoscopic geometries in autophagosome generation. A review. *Biochimica Et Biophysica Acta - Biomembranes*, **2021**, 1863, 183731	3.8	1
186	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). *Autophagy*, **2021**, 17, 1-382	10.2	440
185	The Binding of A□2 Peptide Monomers to Sphingomyelin/Cholesterol/Ganglioside Bilayers Assayed by Density Gradient Ultracentrifugation. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	6
184	Patches and Blebs: A Comparative Study of the Composition and Biophysical Properties of Two Plasma Membrane Preparations from CHO Cells. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	5
183	□Amyloid (1-42) peptide adsorbs but does not insert into ganglioside-containing phospholipid membranes in the liquid-disordered state: modelling and experimental studies. *International Journal of Biological Macromolecules*, **2020**, 164, 2651-2658	7.9	3
182	Exploring polar headgroup interactions between sphingomyelin and ceramide with infrared spectroscopy. *Scientific Reports*, **2020**, 10, 17606	4.9	5
181	C24:0 and C24:1 sphingolipids in cholesterol-containing, five- and six-component lipid membranes. *Scientific Reports*, **2020**, 10, 14085	4.9	2
180	Mixing brain cerebrosides with brain ceramides, cholesterol and phospholipids. *Scientific Reports*, **2019**, 9, 13326	4.9	7
179	Homogeneous and Heterogeneous Bilayers of Ternary Lipid Compositions Containing Equimolar Ceramide and Cholesterol. *Langmuir*, **2019**, 35, 5305-5315	4	10

178	Fast and slow biomembrane solubilizing detergents: Insights into their mechanism of action. *Colloids and Surfaces B: Biointerfaces*, **2019**, 183, 110430	6	6
177	Lamellar Phases Composed of Phospholipid, Cholesterol, and Ceramide, as Studied by H NMR. *Biophysical Journal*, **2019**, 117, 296-306	2.9	3
176	Biophysical Studies of LC3 Family Proteins. *Methods in Molecular Biology*, **2019**, 1880, 91-117	1.4	2
175	The interaction of lipid-liganded gold clusters (Aurora) with lipid bilayers. *Chemistry and Physics of Lipids*, **2019**, 218, 40-46	3.7	5
174	The Physical Properties of Ceramides in Membranes. *Annual Review of Biophysics*, **2018**, 47, 633-654	21.1	63
173	Pb(II) Induces Scramblase Activation and Ceramide-Domain Generation in Red Blood Cells. *Scientific Reports*, **2018**, 8, 7456	4.9	17
172	Omega-3 polyunsaturated fatty acids do not fluidify bilayers in the liquid-crystalline state. *Scientific Reports*, **2018**, 8, 16240	4.9	7
171	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	3.7	18
170	Clearly Detectable, Kinetically Restricted Solid-Solid Phase Transition in cis-Ceramide Monolayers. *Langmuir*, **2018**, 34, 11749-11758	4	3
169	Complex Effects of 24:1 Sphingolipids in Membranes Containing Dioleoylphosphatidylcholine and Cholesterol. *Langmuir*, **2017**, 33, 5545-5554	4	12
168	Human ATG3 binding to lipid bilayers: role of lipid geometry, and electric charge. *Scientific Reports*, **2017**, 7, 15614	4.9	22
167	Does Ceramide Form Channels? The Ceramide-Induced Membrane Permeabilization Mechanism. *Biophysical Journal*, **2017**, 113, 860-868	2.9	19
166	Vesicular PtdIns(3,4,5)P3 and Rab7 are key effectors of sea urchin zygote nuclear membrane fusion. *Journal of Cell Science*, **2017**, 130, 444-452	5.3	4
165	Ceramide-Induced Lamellar Gel Phases in Fluid Cell Lipid Extracts. *Langmuir*, **2016**, 32, 9053-63	4	14
164	Dihydroceramide accumulation mediates cytotoxic autophagy of cancer cells via autolysosome destabilization. *Autophagy*, **2016**, 12, 2213-2229	10.2	85
163	Human Atg8-cardiolipin interactions in mitophagy: Specific properties of LC3B, GABARAPL2 and GABARAP. *Autophagy*, **2016**, 12, 2386-2403	10.2	49
162	Lipid Geometry and Bilayer Curvature Modulate LC3/GABARAP-Mediated Model Autophagosomal Elongation. *Biophysical Journal*, **2016**, 110, 411-422	2.9	36
161	Cholesterol interactions with ceramide and sphingomyelin. *Chemistry and Physics of Lipids*, **2016**, 199, 26-34	3.7	66

160	Cholesterol-Ceramide Interactions in Phospholipid and Sphingolipid Bilayers As Observed by Positron Annihilation Lifetime Spectroscopy and Molecular Dynamics Simulations. *Langmuir*, **2016**, 32, 5434-44	4	14
159	Endomembrane PtdIns(3,4,5)P3 activates the PI3K-Akt pathway. *Journal of Cell Science*, **2015**, 128, 3456-65	5.3	38
158	Solid lipid nanoparticles for delivery of Calendula officinalis extract. *Colloids and Surfaces B: Biointerfaces*, **2015**, 135, 18-26	6	34
157	End-product diacylglycerol enhances the activity of PI-PLC through changes in membrane domain structure. *Biophysical Journal*, **2015**, 108, 1672-1682	2.9	8
156	Sec14-nodulin proteins and the patterning of phosphoinositide landmarks for developmental control of membrane morphogenesis. *Molecular Biology of the Cell*, **2015**, 26, 1764-81	3.5	34
155	Ceramide increases free volume voids in DPPC membranes. *RSC Advances*, **2015**, 5, 44282-44290	3.7	10
154	Atomic force microscopy characterization of palmitoylceramide and cholesterol effects on phospholipid bilayers: a topographic and nanomechanical study. *Langmuir*, **2015**, 31, 3135-45	4	30
153	Lipidic nanovesicles stabilize suspensions of metal oxide nanoparticles. *Chemistry and Physics of Lipids*, **2015**, 191, 84-90	3.7	11
152	Thermally-induced aggregation and fusion of protein-free lipid vesicles. *Colloids and Surfaces B: Biointerfaces*, **2015**, 136, 545-52	6	4
151	Histones cause aggregation and fusion of lipid vesicles containing phosphatidylinositol-4-phosphate. *Biophysical Journal*, **2015**, 108, 863-871	2.9	6
150	Fluorescent polyene ceramide analogues as membrane probes. *Langmuir*, **2015**, 31, 2484-92	4	5
149	Lipid bilayers containing sphingomyelins and ceramides of varying N-acyl lengths: a glimpse into sphingolipid complexity. *Biochimica Et Biophysica Acta - Biomembranes*, **2014**, 1838, 456-64	3.8	48
148	Biophysical properties of sphingosine, ceramides and other simple sphingolipids. *Biochemical Society Transactions*, **2014**, 42, 1401-8	5.1	34
147	Membrane binding of human phospholipid scramblase 1 cytoplasmic domain. *Biochimica Et Biophysica Acta - Biomembranes*, **2014**, 1838, 1785-92	3.8	6
146	A cholesterol recognition motif in human phospholipid scramblase 1. *Biophysical Journal*, **2014**, 107, 1383-92	2.9	22
145	Histones and DNA compete for binding polyphosphoinositides in bilayers. *Biophysical Journal*, **2014**, 106, 1092-100	2.9	7
144	Sphingosine induces the aggregation of imine-containing peroxidized vesicles. *Biochimica Et Biophysica Acta - Biomembranes*, **2014**, 1838, 2071-7	3.8	6
143	Membrane binding and insertion of the predicted transmembrane domain of human scramblase 1. *Biochimica Et Biophysica Acta - Biomembranes*, **2014**, 1838, 388-97	3.8	11

142	Lamellar gel (l) phases of ternary lipid composition containing ceramide and cholesterol. *Biophysical Journal*, **2014**, 106, 621-30	2.9	38
141	Membrane permeabilization induced by sphingosine: effect of negatively charged lipids. *Biophysical Journal*, **2014**, 106, 2577-84	2.9	13
140	High-melting lipid mixtures and the origin of detergent-resistant membranes studied with temperature-solubilization diagrams. *Biophysical Journal*, **2014**, 107, 2828-2837	2.9	11
139	Biophysical properties of novel 1-deoxy-(dihydro)ceramides occurring in mammalian cells. *Biophysical Journal*, **2014**, 107, 2850-2859	2.9	33
138	The onset of Triton X-100 solubilization of sphingomyelin/ceramide bilayers: effects of temperature and composition. *Chemistry and Physics of Lipids*, **2013**, 167-168, 57-61	3.7	4
137	Recruitment of a phospholipase C/sphingomyelinase into non-lamellar lipid droplets during hydrolysis of lipid bilayers. *Chemistry and Physics of Lipids*, **2013**, 166, 12-7	3.7	6
136	Detergent solubilization of lipid bilayers: a balance of driving forces. *Trends in Biochemical Sciences*, **2013**, 38, 85-93	10.3	87
135	Phospholipases C and sphingomyelinases: Lipids as substrates and modulators of enzyme activity. *Progress in Lipid Research*, **2012**, 51, 238-66	14.3	41
134	Accumulated bending energy elicits neutral sphingomyelinase activity in human red blood cells. *Biophysical Journal*, **2012**, 102, 2077-85	2.9	20
133	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, 2510-6	2.9	24
132	In situ synthesis of fluorescent membrane lipids (ceramides) using click chemistry. *Journal of Chemical Biology*, **2012**, 5, 119-23		6
131	Effects of bilayer composition and physical properties on the phospholipase C and sphingomyelinase activities of Clostridium perfringens toxin. *Biochimica Et Biophysica Acta - Biomembranes*, **2011**, 1808, 279-86	3.8	18
130	Unexpected wide substrate specificity of C. perfringens toxin phospholipase C. *Biochimica Et Biophysica Acta - Biomembranes*, **2011**, 1808, 2618-27	3.8	21
129	Multiple phospholipid substrates of phospholipase C/sphingomyelinase HR2 from Pseudomonas aeruginosa. *Chemistry and Physics of Lipids*, **2011**, 164, 78-82	3.7	16
128	Imaging the early stages of phospholipase C/sphingomyelinase activity on vesicles containing coexisting ordered-disordered and gel-fluid domains. *Journal of Lipid Research*, **2011**, 52, 635-45	6.3	13
127	Detergent effects on membranes at subsolubilizing concentrations: transmembrane lipid motion, bilayer permeabilization, and vesicle lysis/reassembly are independent phenomena. *Langmuir*, **2010**, 26, 7307-13	4	52
126	Cholesterol displaces palmitoylceramide from its tight packing with palmitoylsphingomyelin in the absence of a liquid-disordered phase. *Biophysical Journal*, **2010**, 99, 1119-28	2.9	36
125	End-products diacylglycerol and ceramide modulate membrane fusion induced by a phospholipase C/sphingomyelinase from Pseudomonas aeruginosa. *Biochimica Et Biophysica Acta - Biomembranes*, **2010**, 1798, 59-64	3.8	20

124	Quantitation of cholesterol incorporation into extruded lipid bilayers. *Biochimica Et Biophysica Acta - Biomembranes*, **2010**, 1798, 1735-8	3.8	17
123	Transbilayer (flip-flop) lipid motion and lipid scrambling in membranes. *FEBS Letters*, **2010**, 584, 1779-86	3.8	182
122	Dihydrosphingomyelin impairs HIV-1 infection by rigidifying liquid-ordered membrane domains. *Chemistry and Biology*, **2010**, 17, 766-75		59
121	Electroformation of giant unilamellar vesicles from native membranes and organic lipid mixtures for the study of lipid domains under physiological ionic-strength conditions. *Methods in Molecular Biology*, **2010**, 606, 105-14	1.4	20
120	Phospholipase C and sphingomyelinase activities of the Clostridium perfringens alpha-toxin. *Chemistry and Physics of Lipids*, **2009**, 159, 51-7	3.7	22
119	Biophysical properties and membrane organization of ceramides, ceramide-1-phosphate and other simple sphingolipids. *Chemistry and Physics of Lipids*, **2009**, 160, S2	3.7	2
118	Effects of ceramide and other simple sphingolipids on membrane lateral structure. *Biochimica Et Biophysica Acta - Biomembranes*, **2009**, 1788, 169-77	3.8	163
117	Calcium inhibits diacylglycerol uptake by serum albumin. *Biochimica Et Biophysica Acta - Biomembranes*, **2009**, 1788, 701-7	3.8	3
116	Sphingosine-1-phosphate as an amphipathic metabolite: its properties in aqueous and membrane environments. *Biophysical Journal*, **2009**, 97, 1398-407	2.9	27
115	Coexistence of immiscible mixtures of palmitoylsphingomyelin and palmitoylceramide in monolayers and bilayers. *Biophysical Journal*, **2009**, 97, 2717-26	2.9	55
114	Ceramide-induced transbilayer (flip-flop) lipid movement in membranes. *Methods in Molecular Biology*, **2009**, 462, 155-65	1.4	11
113	Cholesterol displacement by ceramide in sphingomyelin-containing liquid-ordered domains, and generation of gel regions in giant lipidic vesicles. *FEBS Letters*, **2008**, 582, 3230-6	3.8	87
112	Membrane organization and ionization behavior of the minor but crucial lipid ceramide-1-phosphate. *Biophysical Journal*, **2008**, 94, 4320-30	2.9	37
111	Phase diagrams of lipid mixtures relevant to the study of membrane rafts. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2008**, 1781, 665-84	5	165
110	Ceramide-enriched membrane domains in red blood cells and the mechanism of sphingomyelinase-induced hot-cold hemolysis. *Biochemistry*, **2008**, 47, 11222-30	3.2	50
109	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		29
108	Implication of ceramide, ceramide 1-phosphate and sphingosine 1-phosphate in tumorigenesis. *Translational Oncogenomics*, **2008**, 3, 81-98		23
107	Triton X-100 partitioning into sphingomyelin bilayers at subsolubilizing detergent concentrations: effect of lipid phase and a comparison with dipalmitoylphosphatidylcholine. *Biophysical Journal*, **2007**, 93, 3504-14	2.9	42

106	Giant unilamellar vesicles electroformed from native membranes and organic lipid mixtures under physiological conditions. *Biophysical Journal*, **2007**, 93, 3548-54	2.9	190
105	Leakage-free membrane fusion induced by the hydrolytic activity of PlcHR(2), a novel phospholipase C/sphingomyelinase from Pseudomonas aeruginosa. *Biochimica Et Biophysica Acta - Biomembranes*, **2007**, 1768, 2365-72	3.8	22
104	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, 1855-60	3.8	25
103	In Vitro Techniques **2006**, 201-378		
102	Detergent-resistant, ceramide-enriched domains in sphingomyelin/ceramide bilayers. *Biophysical Journal*, **2006**, 90, 903-14	2.9	130
101	Sphingosine increases the permeability of model and cell membranes. *Biophysical Journal*, **2006**, 90, 4085-92	2.9	54
100	Detergent solubilization of phosphatidylcholine bilayers in the fluid state: influence of the acyl chain structure. *Biochimica Et Biophysica Acta - Biomembranes*, **2006**, 1758, 190-6	3.8	28
99	Biophysics of sphingolipids I. Membrane properties of sphingosine, ceramides and other simple sphingolipids. *Biochimica Et Biophysica Acta - Biomembranes*, **2006**, 1758, 1902-21	3.8	214
98	Special issue on sphingolipids. *Biochimica Et Biophysica Acta - Biomembranes*, **2006**, 1758, 1863	3.8	2
97	Alkanes are not innocuous vehicles for hydrophobic reagents in membrane studies. *Chemistry and Physics of Lipids*, **2006**, 139, 107-14	3.7	8
96	Modulation of PI-specific phospholipase C by membrane curvature and molecular order. *Biochemistry*, **2005**, 44, 11592-600	3.2	50
95	Domain formation in sphingomyelin/cholesterol mixed membranes studied by spin-label electron spin resonance spectroscopy. *Biochemistry*, **2005**, 44, 4911-8	3.2	74
94	Molecular associations and surface-active properties of short- and long-N-acyl chain ceramides. *Biochimica Et Biophysica Acta - Biomembranes*, **2005**, 1711, 12-9	3.8	71
93	Phosphorylation of glycosyl-phosphatidylinositol by phosphatidylinositol 3-kinase changes its properties as a substrate for phospholipases. *FEBS Letters*, **2005**, 579, 59-65	3.8	6
92	Asymmetric addition of ceramides but not dihydroceramides promotes transbilayer (flip-flop) lipid motion in membranes. *Biophysical Journal*, **2005**, 88, 348-59	2.9	90
91	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, 3368-80	2.9	92
90	Sphingomyelinases and Their Interaction with Membrane Lipids **2005**, 79-100		
89	Biophysics (and sociology) of ceramides. *Biochemical Society Symposia*, **2005**, 177-88		34

88	Cholesterol modulation of sphingomyelinase activity at physiological temperatures. *Chemistry and Physics of Lipids*, **2004**, 130, 127-34	3.7	34
87	Membrane fusion induced by the catalytic activity of a phospholipase C/sphingomyelinase from Listeria monocytogenes. *Biochemistry*, **2004**, 43, 3688-95	3.2	33
86	Sphingomyelinase activity causes transbilayer lipid translocation in model and cell membranes. *Journal of Biological Chemistry*, **2003**, 278, 37169-74	5.4	100
85	Interaction of phospholipases C and sphingomyelinase with liposomes. *Methods in Enzymology*, **2003**, 372, 3-19	1.7	13
84	Surfactant effects of chlorpromazine and imipramine on lipid bilayers containing sphingomyelin and cholesterol. *Journal of Colloid and Interface Science*, **2002**, 256, 284-9	9.3	21
83	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	3.7	56
82	Membrane restructuring via ceramide results in enhanced solute efflux. *Journal of Biological Chemistry*, **2002**, 277, 11788-94	5.4	114
81	Triton X-100-Resistant Bilayers:Effect of Lipid Composition and Relevance to the Raft Phenomenon. *Langmuir*, **2002**, 18, 2828-2835	4	69
80	Sphingomyelinases: enzymology and membrane activity. *FEBS Letters*, **2002**, 531, 38-46	3.8	273
79	The channel-forming protein proaerolysin remains a dimer at low concentrations in solution. *Journal of Biological Chemistry*, **2001**, 276, 551-4	5.4	14
78	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, 2614-22	3.2	137
77	Diacylglycerol effects on phosphatidylinositol-specific phospholipase C activity and vesicle fusion. *FEBS Letters*, **2001**, 494, 117-20	3.8	29
76	Purification and Characterization of Insulin-Mimetic Inositol Phosphoglycan-Like Molecules From Grass Pea (Lathyrus sativus) Seeds. *Molecular Medicine*, **2001**, 7, 454-460	6.2	11
75	Compartmentalization of ceramide signaling: physical foundations and biological effects. *Journal of Cellular Physiology*, **2000**, 184, 285-300	7	376
74	Membrane fusion induced by phospholipase C and sphingomyelinases. *Bioscience Reports*, **2000**, 20, 443-63	4.1	57
73	Spectroscopic techniques in the study of membrane solubilization, reconstitution and permeabilization by detergents. *Biochimica Et Biophysica Acta - Biomembranes*, **2000**, 1508, 51-68	3.8	65
72	Equilibrium and Kinetic Studies of the Solubilization of PhospholipidCholesterol Bilayers by C12E8. The Influence of the Lipid Phase Structure. *Langmuir*, **2000**, 16, 1960-1968	4	29
71	Leaky vesicle fusion induced by phosphatidylinositol-specific phospholipase C: observation of mixing of vesicular inner monolayers. *Biochemistry*, **2000**, 39, 14012-8	3.2	49

70	Lipids favoring inverted phase enhance the ability of aerolysin to permeabilize liposome bilayers. *Biochemistry*, **2000**, 39, 14019-24	3.2	46
69	Sphingolipids (Galactosylceramide and Sulfatide) in Lamellar Hexagonal Phospholipid Phase Transitions and in Membrane Fusion *Langmuir*, **2000**, 16, 8958-8963	4	13
68	Mixed membranes of sphingolipids and glycerolipids as studied by spin-label ESR spectroscopy. A search for domain formation. *Biochemistry*, **2000**, 39, 9876-83	3.2	31
67	Compartmentalization of ceramide signaling: physical foundations and biological effects **2000**, 184, 285		4
66	Effect of Sublytic Concentrations of Sodium Cholate on Phospholipase C Hydrolysis of Phospholipid Bilayers. *Journal of Colloid and Interface Science*, **1999**, 219, 163-167	9.3	1
65	Structure and functional properties of diacylglycerols in membranes. *Progress in Lipid Research*, **1999**, 38, 1-48	14.3	189
64	Towards the in vitro reconstitution of caveolae. Asymmetric incorporation of glycosylphosphatidylinositol (GPI) and gangliosides into liposomal membranes. *FEBS Letters*, **1999**, 457, 71-4	3.8	15
63	Ceramides in phospholipid membranes: effects on bilayer stability and transition to nonlamellar phases. *Biophysical Journal*, **1999**, 76, 342-50	2.9	205
62	Liposomes Containing Sphingomyelin and Cholesterol: Detergent Solubilisation and Infrared Spectroscopic Studies. *Journal of Liposome Research*, **1999**, 9, 247-260	6.1	57
61	Detergent solubilisation of phospholipid bilayers in the gel state: the role of polar and hydrophobic forces. *Biochimica Et Biophysica Acta - Biomembranes*, **1998**, 1373, 112-8	3.8	80
60	Phospholipase cleavage of glycosylphosphatidylinositol reconstituted in liposomal membranes. *FEBS Letters*, **1998**, 432, 150-4	3.8	12
59	Phospholipase C hydrolysis of phospholipids in bilayers of mixed lipid compositions. *Biochemistry*, **1998**, 37, 11621-8	3.2	29
58	Effect of single chain lipids on phospholipase C-promoted vesicle fusion. A test for the stalk hypothesis of membrane fusion. *Biochemistry*, **1998**, 37, 3901-8	3.2	58
57	Vesicle membrane fusion induced by the concerted activities of sphingomyelinase and phospholipase C. *Journal of Biological Chemistry*, **1998**, 273, 22977-82	5.4	70
56	Interfacial enzyme activation, non-lamellar phase formation and membrane fusion. Is there a conducting thread?. *Faraday Discussions*, **1998**, 55-68; discussion 69-78	3.6	15
55	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, 2630-7	2.9	94
54	Poly(ethylene glycol)-lipid conjugates inhibit phospholipase C-induced lipid hydrolysis, liposome aggregation and fusion through independent mechanisms. *FEBS Letters*, **1997**, 411, 281-6	3.8	26
53	Diacylglycerol and the promotion of lamellar-hexagonal and lamellar-isotropic phase transitions in lipids: implications for membrane fusion. *Biophysical Journal*, **1996**, 70, 2299-306	2.9	71

52	Origin of the lag period in the phospholipase C cleavage of phospholipids in membranes. Concomitant vesicle aggregation and enzyme activation. *Biochemistry*, **1996**, 35, 15183-7	3.2	67
51	Dual inhibitory effect of gangliosides on phospholipase C-promoted fusion of lipidic vesicles. *Biochemistry*, **1996**, 35, 7506-13	3.2	40
50	Palmitoylcarnitine, a surface-active metabolite. *FEBS Letters*, **1996**, 390, 1-5	3.8	48
49	Effect of long-chain acyl-CoAs and acylcarnitines on gel-fluid and lamellar-hexagonal phospholipid phase transitions. *Molecular Membrane Biology*, **1996**, 13, 165-72	3.4	9
48	Different effects of enzyme-generated ceramides and diacylglycerols in phospholipid membrane fusion and leakage. *Journal of Biological Chemistry*, **1996**, 271, 26616-21	5.4	129
47	Inhibition by gangliosides of Bacillus cereus phospholipase C activity against monolayers, micelles and bilayer vesicles. *FEBS Journal*, **1996**, 239, 105-10		29
46	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	9.3	75
45	Liposome aggregation induced by poly(ethylene glycol). Rapid kinetic studies. *Colloids and Surfaces B: Biointerfaces*, **1995**, 3, 263-270	6	14
44	The membrane-perturbing properties of palmitoyl-coenzyme A and palmitoylcarnitine. A comparative study. *Biochemistry*, **1995**, 34, 10400-5	3.2	40
43	Differential penetration of fatty acyl-coenzyme A and fatty acylcarnitines into phospholipid monolayers. *FEBS Letters*, **1995**, 357, 75-8	3.8	29
42	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, 143-7	3.8	79
41	An infrared investigation of palmitoyl-coenzyme A and palmitoylcarnitine interaction with perdeuterated-chain phospholipid bilayers. *FEBS Journal*, **1995**, 231, 199-203		20
40	Real-time measurements of chemically-induced membrane fusion in cell monolayers, using a resonance energy transfer method. *Biochimica Et Biophysica Acta - Biomembranes*, **1994**, 1189, 175-80	3.8	7
39	An assessment of the biochemical applications of the non-ionic surfactant Hecameg. *Biochimica Et Biophysica Acta - Biomembranes*, **1994**, 1193, 301-6	3.8	37
38	Phospholipase-C-promoted liposome fusion. *Biochemical Society Transactions*, **1994**, 22, 839-44	5.1	20
37	Phospholipase C-promoted membrane fusion. Retroinhibition by the end-product diacylglycerol. *Biochemistry*, **1993**, 32, 1054-8	3.2	51
36	The Critical Micellar Concentrations of Fatty Acyl Coenzyme A and Fatty Acyl Carnitines. *Journal of Colloid and Interface Science*, **1993**, 161, 343-346	9.3	13
35	Partial dehydration of phosphatidylethanolamine phosphate groups during hexagonal phase formation, as seen by i.r. spectroscopy. *Biochemical Journal*, **1992**, 282 (Pt 2), 467-70	3.8	37

34	The physical state of ubiquinone-10, in pure form and incorporated into phospholipid bilayers. A Fourier-transform infrared spectroscopic study. *FEBS Journal*, **1992**, 204, 1125-30		22
33	Phospholipase C activity-induced fusion of pure lipid model membranes. A freeze fracture study. *Biochimica Et Biophysica Acta - Biomembranes*, **1991**, 1068, 249-53	3.8	17
32	On the Mechanism of Phospholipase C-Induced Fusion of Pure Lipid Membranes **1991**, 177-194		
31	Detergent solubilization of phospholipid vesicle. Effect of electric charge. *Biochemical Journal*, **1990**, 270, 305-8	3.8	88
30	The lamellar to hexagonal phase transition in phosphatidylethanolamine liposomes: a fluorescence anisotropy study. *Biochemical and Biophysical Research Communications*, **1990**, 168, 987-92	3.4	8
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28	Structural changes induced by Triton X-100 on sonicated phosphatidylcholine liposomes. *FEBS Journal*, **1988**, 173, 585-8		33
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