Felix M Goni

List of Publications by Year in Descending Order

312 papers	13,511 citations	60 h-index	102 g-index
322 ext. papers	14,539 ext. citations	4.1 avg, IF	6.48 L-index

#	Paper	IF	Citations
312	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
311	LC3 subfamily in cardiolipin-mediated mitophagy: a comparison of the LC3A, LC3B and LC3C homologs.. *Autophagy*, **2022**, 1-19	10.2	3
310	Cholesterol and ceramide: An unlikely pair **2022**, 111-126		
309	Autophagy protein LC3C binding to phospholipid and interaction with lipid membranes. *International Journal of Biological Macromolecules*, **2022**, 212, 432-441	7.9	
308	Bacteriophage PRD1 as a nanoscaffold for drug loading. *Nanoscale*, **2021**,	7.7	1
307	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
306	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
305	The interaction of A□42 peptide in monomer, oligomer or fibril forms with sphingomyelin/cholesterol/ganglioside bilayers. *International Journal of Biological Macromolecules*, **2021**, 168, 611-619	7.9	3
304	Lipid Self-Assemblies under the Atomic Force Microscope. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	2
303	The Binding of A□42 Peptide Monomers to Sphingomyelin/Cholesterol/Ganglioside Bilayers Assayed by Density Gradient Ultracentrifugation. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	6
302	Photoacoustic effect applied on model membranes and living cells: direct observation with multiphoton excitation microscopy and long-term viability analysis. *Scientific Reports*, **2020**, 10, 299	4.9	6
301	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
300	The extent of protein hydration dictates the preference for heterogeneous or homogeneous nucleation generating either parallel or antiparallel □-sheet □-synuclein aggregates. *Chemical Science*, **2020**, 11, 11902-11914	9.4	9
299	□-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
298	A fluorogenic cyclic peptide for imaging and quantification of drug-induced apoptosis. *Nature Communications*, **2020**, 11, 4027	17.4	18
297	Exploring polar headgroup interactions between sphingomyelin and ceramide with infrared spectroscopy. *Scientific Reports*, **2020**, 10, 17606	4.9	5
296	C24:0 and C24:1 sphingolipids in cholesterol-containing, five- and six-component lipid membranes. *Scientific Reports*, **2020**, 10, 14085	4.9	2

295	Mixing brain cerebrosides with brain ceramides, cholesterol and phospholipids. *Scientific Reports*, **2019**, 9, 13326	4.9	7
294	Homogeneous and Heterogeneous Bilayers of Ternary Lipid Compositions Containing Equimolar Ceramide and Cholesterol. *Langmuir*, **2019**, 35, 5305-5315	4	10
293	Fast and slow biomembrane solubilizing detergents: Insights into their mechanism of action. *Colloids and Surfaces B: Biointerfaces*, **2019**, 183, 110430	6	6
292	Lamellar Phases Composed of Phospholipid, Cholesterol, and Ceramide, as Studied by H NMR. *Biophysical Journal*, **2019**, 117, 296-306	2.9	3
291	"Rafts": A nickname for putative transient nanodomains. *Chemistry and Physics of Lipids*, **2019**, 218, 34-39	3.7	43
290	The interaction of lipid-liganded gold clusters (Aurora) with lipid bilayers. *Chemistry and Physics of Lipids*, **2019**, 218, 40-46	3.7	5
289	The Physical Properties of Ceramides in Membranes. *Annual Review of Biophysics*, **2018**, 47, 633-654	21.1	63
288	Phase behavior of palmitoyl and egg sphingomyelin. *Chemistry and Physics of Lipids*, **2018**, 213, 102-110	3.7	17
287	Pb(II) Induces Scramblase Activation and Ceramide-Domain Generation in Red Blood Cells. *Scientific Reports*, **2018**, 8, 7456	4.9	17
286	Omega-3 polyunsaturated fatty acids do not fluidify bilayers in the liquid-crystalline state. *Scientific Reports*, **2018**, 8, 16240	4.9	7
285	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
284	Clearly Detectable, Kinetically Restricted Solid-Solid Phase Transition in cis-Ceramide Monolayers. *Langmuir*, **2018**, 34, 11749-11758	4	3
283	Lipidomic profile of GM95 cell death induced by Clostridium perfringens alpha-toxin. *Chemistry and Physics of Lipids*, **2017**, 203, 54-70	3.7	8
282	The conformation of human phospholipid scramblase 1, as studied by infrared spectroscopy. Effects of calcium and detergent. *Biochimica Et Biophysica Acta - Biomembranes*, **2017**, 1859, 1019-1028	3.8	6
281	Polyamine-RNA-membrane interactions: From the past to the future in biology. *Colloids and Surfaces B: Biointerfaces*, **2017**, 155, 173-181	6	2
280	Complex Effects of 24:1 Sphingolipids in Membranes Containing Dioleoylphosphatidylcholine and Cholesterol. *Langmuir*, **2017**, 33, 5545-5554	4	12
279	Membrane-assisted viral DNA ejection. *Biochimica Et Biophysica Acta - General Subjects*, **2017**, 1861, 664-672	4	13
278	A Trp-BODIPY cyclic peptide for fluorescence labelling of apoptotic bodies. *Chemical Communications*, **2017**, 53, 945-948	5.8	40

277	Human ATG3 binding to lipid bilayers: role of lipid geometry, and electric charge. *Scientific Reports*, **2017**, 7, 15614	4.9	22
276	Does Ceramide Form Channels? The Ceramide-Induced Membrane Permeabilization Mechanism. *Biophysical Journal*, **2017**, 113, 860-868	2.9	19
275	Purification and characterization of the colicin A immunity protein in detergent micelles. *Biochimica Et Biophysica Acta - Biomembranes*, **2017**, 1859, 2181-2192	3.8	1
274	Coating Graphene Oxide with Lipid Bilayers Greatly Decreases Its Hemolytic Properties. *Langmuir*, **2017**, 33, 8181-8191	4	13
273	Lipid-modified oligonucleotide conjugates: Insights into gene silencing, interaction with model membranes and cellular uptake mechanisms. *Bioorganic and Medicinal Chemistry*, **2017**, 25, 175-186	3.4	5
272	Ceramide-Induced Lamellar Gel Phases in Fluid Cell Lipid Extracts. *Langmuir*, **2016**, 32, 9053-63	4	14
271	Dihydroceramide accumulation mediates cytotoxic autophagy of cancer cells via autolysosome destabilization. *Autophagy*, **2016**, 12, 2213-2229	10.2	85
270	Human Atg8-cardiolipin interactions in mitophagy: Specific properties of LC3B, GABARAPL2 and GABARAP. *Autophagy*, **2016**, 12, 2386-2403	10.2	49
269	Lipid Geometry and Bilayer Curvature Modulate LC3/GABARAP-Mediated Model Autophagosomal Elongation. *Biophysical Journal*, **2016**, 110, 411-422	2.9	36
268	Approaches to polyunsaturated sphingolipids: new conformationally restrained analogs with minimal structural modifications. *Tetrahedron*, **2016**, 72, 605-612	2.4	
267	Cholesterol interactions with ceramide and sphingomyelin. *Chemistry and Physics of Lipids*, **2016**, 199, 26-34	3.7	66
266	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
265	Solid lipid nanoparticles for delivery of Calendula officinalis extract. *Colloids and Surfaces B: Biointerfaces*, **2015**, 135, 18-26	6	34
264	End-product diacylglycerol enhances the activity of PI-PLC through changes in membrane domain structure. *Biophysical Journal*, **2015**, 108, 1672-1682	2.9	8
263	Atomic force microscopy characterization of palmitoylceramide and cholesterol effects on phospholipid bilayers: a topographic and nanomechanical study. *Langmuir*, **2015**, 31, 3135-45	4	30
262	Lipidic nanovesicles stabilize suspensions of metal oxide nanoparticles. *Chemistry and Physics of Lipids*, **2015**, 191, 84-90	3.7	11
261	Lipids that determine detergent resistance of MDCK cell membrane fractions. *Chemistry and Physics of Lipids*, **2015**, 191, 68-74	3.7	6
260	Thermally-induced aggregation and fusion of protein-free lipid vesicles. *Colloids and Surfaces B: Biointerfaces*, **2015**, 136, 545-52	6	4

259	Interaction of Clostridium perfringens epsilon-toxin with biological and model membranes: A putative protein receptor in cells. *Biochimica Et Biophysica Acta - Biomembranes*, **2015**, 1848, 797-804	3.8	20
258	Adenylate Cyclase Toxin promotes bacterial internalisation into non phagocytic cells. *Scientific Reports*, **2015**, 5, 13774	4.9	8
257	Type I phosphatidylinositol 4-phosphate 5-kinase homo- and heterodimerization determines its membrane localization and activity. *FASEB Journal*, **2015**, 29, 2371-85	0.9	12
256	Solvation and hydration of the ceramide headgroup in a non-polar solution. *Journal of Physical Chemistry B*, **2015**, 119, 128-39	3.4	17
255	Histones cause aggregation and fusion of lipid vesicles containing phosphatidylinositol-4-phosphate. *Biophysical Journal*, **2015**, 108, 863-871	2.9	6
254	Low pH modulates the macroorganization and thermal stability of PSII supercomplexes in grana membranes. *Biophysical Journal*, **2015**, 108, 844-853	2.9	9
253	Fluorescent polyene ceramide analogues as membrane probes. *Langmuir*, **2015**, 31, 2484-92	4	5
252	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, 2808-17	4	27
251	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
250	The basic structure and dynamics of cell membranes: an update of the Singer-Nicolson model. *Biochimica Et Biophysica Acta - Biomembranes*, **2014**, 1838, 1467-76	3.8	207
249	Biophysical properties of sphingosine, ceramides and other simple sphingolipids. *Biochemical Society Transactions*, **2014**, 42, 1401-8	5.1	34
248	Changes in membrane organization upon spontaneous insertion of 2-hydroxylated unsaturated fatty acids in the lipid bilayer. *Langmuir*, **2014**, 30, 2117-28	4	23
247	The C-terminal transmembrane domain of human phospholipid scramblase 1 is essential for the protein flip-flop activity and Ca╫+-binding. *Journal of Membrane Biology*, **2014**, 247, 155-65	2.3	15
246	N-nervonoylsphingomyelin (C24:1) prevents lateral heterogeneity in cholesterol-containing membranes. *Biophysical Journal*, **2014**, 106, 2606-16	2.9	34
245	Membrane binding of human phospholipid scramblase 1 cytoplasmic domain. *Biochimica Et Biophysica Acta - Biomembranes*, **2014**, 1838, 1785-92	3.8	6
244	Ether- versus ester-linked phospholipid bilayers containing either linear or branched apolar chains. *Biophysical Journal*, **2014**, 107, 1364-74	2.9	22
243	A cholesterol recognition motif in human phospholipid scramblase 1. *Biophysical Journal*, **2014**, 107, 1383-92	2.9	22
242	Histones and DNA compete for binding polyphosphoinositides in bilayers. *Biophysical Journal*, **2014**, 106, 1092-100	2.9	7

241	Sphingosine induces the aggregation of imine-containing peroxidized vesicles. *Biochimica Et Biophysica Acta - Biomembranes*, **2014**, 1838, 2071-7	3.8	6
240	Subcellular location of the coupling protein TrwB and the role of its transmembrane domain. *Biochimica Et Biophysica Acta - Biomembranes*, **2014**, 1838, 223-30	3.8	9
239	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
238	Lamellar gel (lβ) phases of ternary lipid composition containing ceramide and cholesterol. *Biophysical Journal*, **2014**, 106, 621-30	2.9	38
237	Membrane permeabilization induced by sphingosine: effect of negatively charged lipids. *Biophysical Journal*, **2014**, 106, 2577-84	2.9	13
236	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
235	Biophysical properties of novel 1-deoxy-(dihydro)ceramides occurring in mammalian cells. *Biophysical Journal*, **2014**, 107, 2850-2859	2.9	33
234	Membrane lipid modifications and therapeutic effects mediated by hydroxydocosahexaenoic acid on Alzheimer's disease. *Biochimica Et Biophysica Acta - Biomembranes*, **2014**, 1838, 1680-92	3.8	37
233	The mechanism of detergent solubilization of lipid bilayers. *Biophysical Journal*, **2013**, 105, 289-99	2.9	128
232	Membrane partitioning of the pore-forming domain of colicin A. Role of the hydrophobic helical hairpin. *Biophysical Journal*, **2013**, 105, 1432-43	2.9	3
231	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
230	The transmembrane domain of the T4SS coupling protein TrwB and its role in protein-protein interactions. *Biochimica Et Biophysica Acta - Biomembranes*, **2013**, 1828, 2015-25	3.8	16
229	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
228	Effects of chronic and acute lead treatments on the biophysical properties of erythrocyte membranes, and a comparison with model membranes. *FEBS Open Bio*, **2013**, 3, 212-7	2.7	15
227	Double-tailed lipid modification as a promising candidate for oligonucleotide delivery in mammalian cells. *Biochimica Et Biophysica Acta - General Subjects*, **2013**, 1830, 4872-84	4	9
226	Detergent solubilization of lipid bilayers: a balance of driving forces. *Trends in Biochemical Sciences*, **2013**, 38, 85-93	10.3	87
225	Dipeptidyl peptidase-IV inhibitors used in type-2 diabetes inhibit a phospholipase C: a case of promiscuous scaffolds in proteins. *F1000Research*, **2013**, 2, 286	3.6	5
224	A computational module assembled from different protease family motifs identifies PI PLC from Bacillus cereus as a putative prolyl peptidase with a serine protease scaffold. *PLoS ONE*, **2013**, 8, e70923	3.7	18

223	Sphingomyelin organization is required for vesicle biogenesis at the Golgi complex. *EMBO Journal*, **2012**, 31, 4535-46	13	56
222	Phospholipases C and sphingomyelinases: Lipids as substrates and modulators of enzyme activity. *Progress in Lipid Research*, **2012**, 51, 238-66	14.3	41
221	Deletion of a single helix from the transmembrane domain causes large changes in membrane insertion properties and secondary structure of the bacterial conjugation protein TrwB. *Biochimica Et Biophysica Acta - Biomembranes*, **2012**, 1818, 3158-66	3.8	7
220	Model systems of precursor cellular membranes: long-chain alcohols stabilize spontaneously formed oleic acid vesicles. *Biophysical Journal*, **2012**, 102, 278-86	2.9	45
219	Accumulated bending energy elicits neutral sphingomyelinase activity in human red blood cells. *Biophysical Journal*, **2012**, 102, 2077-85	2.9	20
218	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
217	Binding of β-amyloid (1-42) peptide to negatively charged phospholipid membranes in the liquid-ordered state: modeling and experimental studies. *Biophysical Journal*, **2012**, 103, 453-463	2.9	53
216	Insights into sphingolipid miscibility: separate observation of sphingomyelin and ceramide N-acyl chain melting. *Biophysical Journal*, **2012**, 103, 2465-74	2.9	21
215	In situ synthesis of fluorescent membrane lipids (ceramides) using click chemistry. *Journal of Chemical Biology*, **2012**, 5, 119-23		6
214	Effects of bilayer composition and physical properties on the phospholipase C and sphingomyelinase activities of Clostridium perfringens θ-toxin. *Biochimica Et Biophysica Acta - Biomembranes*, **2011**, 1808, 279-86	3.8	18
213	Multiple stages of detergent-erythrocyte membrane interaction--a spin label study. *Biochimica Et Biophysica Acta - Biomembranes*, **2011**, 1808, 164-70	3.8	37
212	Membrane insertion stabilizes the structure of TrwB, the R388 conjugative plasmid coupling protein. *Biochimica Et Biophysica Acta - Biomembranes*, **2011**, 1808, 1032-9	3.8	17
211	Unexpected wide substrate specificity of C. perfringens θ-toxin phospholipase C. *Biochimica Et Biophysica Acta - Biomembranes*, **2011**, 1808, 2618-27	3.8	21
210	Lipids, a missing link in prion propagation. *Chemistry and Biology*, **2011**, 18, 1345-6		3
209	Are these liquids explosive? Forensic analysis of confiscated indoor fireworks. *Analytical and Bioanalytical Chemistry*, **2011**, 400, 3065-71	4.4	6
208	Analysis of confiscated fireworks using Raman spectroscopy assisted with SEM-EDS and FTIR. *Journal of Raman Spectroscopy*, **2011**, 42, 2000-2005	2.3	14
207	Multiple phospholipid substrates of phospholipase C/sphingomyelinase HR2 from Pseudomonas aeruginosa. *Chemistry and Physics of Lipids*, **2011**, 164, 78-82	3.7	16
206	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

205	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
204	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
203	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
202	Interdomain Ca(2+) effects in Escherichia coli alpha-haemolysin: Ca(2+) binding to the C-terminal domain stabilizes both C- and N-terminal domains. *Biochimica Et Biophysica Acta - Biomembranes*, **2010**, 1798, 1225-33	3.8	16
201	Quantitation of cholesterol incorporation into extruded lipid bilayers. *Biochimica Et Biophysica Acta - Biomembranes*, **2010**, 1798, 1735-8	3.8	17
200	Reconstitution in liposome bilayers enhances nucleotide binding affinity and ATP-specificity of TrwB conjugative coupling protein. *Biochimica Et Biophysica Acta - Biomembranes*, **2010**, 1798, 2160-9	3.8	15
199	Transbilayer (flip-flop) lipid motion and lipid scrambling in membranes. *FEBS Letters*, **2010**, 584, 1779-86	3.8	182
198	Membrane insertion stabilizes TrwB, the coupling protein of the conjugative plasmid R388. *Chemistry and Physics of Lipids*, **2010**, 163, S47	3.7	
197	Dihydrosphingomyelin impairs HIV-1 infection by rigidifying liquid-ordered membrane domains. *Chemistry and Biology*, **2010**, 17, 766-75		59
196	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
195	Cholesterol reverts Triton X-100 preferential solubilization of sphingomyelin over phosphatidylcholine: a 31P-NMR study. *FEBS Letters*, **2009**, 583, 2859-64	3.8	19
194	Par j 1 and Par j 2, the two major allergens in Parietaria judaica, bind preferentially to monoacylated negative lipids. *FEBS Journal*, **2009**, 276, 1762-75	5.7	6
193	Phospholipase C and sphingomyelinase activities of the Clostridium perfringens alpha-toxin. *Chemistry and Physics of Lipids*, **2009**, 159, 51-7	3.7	22
192	Effects of ceramide and other simple sphingolipids on membrane lateral structure. *Biochimica Et Biophysica Acta - Biomembranes*, **2009**, 1788, 169-77	3.8	163
191	Calcium inhibits diacylglycerol uptake by serum albumin. *Biochimica Et Biophysica Acta - Biomembranes*, **2009**, 1788, 701-7	3.8	3
190	Sphingosine-1-phosphate as an amphipathic metabolite: its properties in aqueous and membrane environments. *Biophysical Journal*, **2009**, 97, 1398-407	2.9	27
189	Coexistence of immiscible mixtures of palmitoylsphingomyelin and palmitoylceramide in monolayers and bilayers. *Biophysical Journal*, **2009**, 97, 2717-26	2.9	55
188	cis- versus trans-ceramides: effects of the double bond on conformation and H-bonding interactions. *Journal of Physical Chemistry B*, **2009**, 113, 15249-55	3.4	12

187	Ceramide-induced transbilayer (flip-flop) lipid movement in membranes. *Methods in Molecular Biology*, **2009**, 462, 155-65	1.4	11
186	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
185	Membranes: a meeting point for lipids, proteins and therapies. *Journal of Cellular and Molecular Medicine*, **2008**, 12, 829-75	5.6	269
184	Membrane organization and ionization behavior of the minor but crucial lipid ceramide-1-phosphate. *Biophysical Journal*, **2008**, 94, 4320-30	2.9	37
183	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
182	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
181	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
180	Implication of ceramide, ceramide 1-phosphate and sphingosine 1-phosphate in tumorigenesis. *Translational Oncogenomics*, **2008**, 3, 81-98		23
179	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
178	Giant unilamellar vesicles electroformed from native membranes and organic lipid mixtures under physiological conditions. *Biophysical Journal*, **2007**, 93, 3548-54	2.9	190
177	The European lipidomics initiative: enabling technologies. *Methods in Enzymology*, **2007**, 432, 213-32	1.7	21
176	Sphingolipids and cell death. *Apoptosis: an International Journal on Programmed Cell Death*, **2007**, 12, 923-39	5.4	176
175	The calcium-binding C-terminal domain of Escherichia coli alpha-hemolysin is a major determinant in the surface-active properties of the protein. *Journal of Biological Chemistry*, **2007**, 282, 11827-35	5.4	51
174	Lipid-protein interactions in GPCR-associated signaling. *Biochimica Et Biophysica Acta - Biomembranes*, **2007**, 1768, 836-52	3.8	138
173	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
172	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
171	Phospholipase cleavage of D- and L-chiro-glycosylphosphoinositides asymmetrically incorporated into liposomal membranes. *Chemistry - A European Journal*, **2006**, 12, 1513-28	4.8	7
170	In Vitro Techniques **2006**, 201-378		

169	Membrane insertion of Escherichia coli alpha-hemolysin is independent from membrane lysis. *Journal of Biological Chemistry*, **2006**, 281, 5461-7	5.4	27
168	Detergent-resistant, ceramide-enriched domains in sphingomyelin/ceramide bilayers. *Biophysical Journal*, **2006**, 90, 903-14	2.9	130
167	Sphingosine increases the permeability of model and cell membranes. *Biophysical Journal*, **2006**, 90, 4085-92	2.9	54
166	The transmembrane domain provides nucleotide binding specificity to the bacterial conjugation protein TrwB. *FEBS Letters*, **2006**, 580, 3075-82	3.8	21
165	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
164	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
163	Special issue on sphingolipids. *Biochimica Et Biophysica Acta - Biomembranes*, **2006**, 1758, 1863	3.8	2
162	Alkanes are not innocuous vehicles for hydrophobic reagents in membrane studies. *Chemistry and Physics of Lipids*, **2006**, 139, 107-14	3.7	8
161	Two-Dimensional Infrared Correlation Spectroscopy **2006**, 73-88		2
160	Modulation of PI-specific phospholipase C by membrane curvature and molecular order. *Biochemistry*, **2005**, 44, 11592-600	3.2	50
159	Domain formation in sphingomyelin/cholesterol mixed membranes studied by spin-label electron spin resonance spectroscopy. *Biochemistry*, **2005**, 44, 4911-8	3.2	74
158	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
157	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
156	Asymmetric addition of ceramides but not dihydroceramides promotes transbilayer (flip-flop) lipid motion in membranes. *Biophysical Journal*, **2005**, 88, 348-59	2.9	90
155	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
154	Detergent-resistant membranes should not be identified with membrane rafts. *Trends in Biochemical Sciences*, **2005**, 30, 430-6	10.3	414
153	Sphingomyelinases and Their Interaction with Membrane Lipids **2005**, 79-100		
152	A 2D-IR study of heat- and [(13)C]urea-induced denaturation of sarcoplasmic reticulum Ca(2+)-ATPase.. *Acta Biochimica Polonica*, **2005**, 52, 477-483	2	12

151	Biophysics (and sociology) of ceramides. *Biochemical Society Symposia*, **2005**, 177-88		34
150	A two-dimensional IR spectroscopic (2D-IR) simulation of protein conformational changes. *Spectroscopy*, **2004**, 18, 49-58		11
149	Role of the transmembrane domain in the stability of TrwB, an integral protein involved in bacterial conjugation. *Journal of Biological Chemistry*, **2004**, 279, 10955-61	5.4	24
148	Membrane restructuring by Bordetella pertussis adenylate cyclase toxin, a member of the RTX toxin family. *Journal of Bacteriology*, **2004**, 186, 3760-5	3.5	58
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