

Liana C Silva

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

59
papers

2,339
citations

24
h-index

48
g-index

69
ext. papers

2,628
ext. citations

3.9
avg, IF

4.93
L-index

#	Paper	IF	Citations
59	Ceramide: a simple sphingolipid with unique biophysical properties. <i>Progress in Lipid Research</i> , 2014 , 54, 53-67	14.3	207
58	Regulatory aspects on nanomedicines. <i>Biochemical and Biophysical Research Communications</i> , 2015 , 468, 504-10	3.4	196
57	A critical role for ceramide synthase 2 in liver homeostasis: I. alterations in lipid metabolic pathways. <i>Journal of Biological Chemistry</i> , 2010 , 285, 10902-10	5.4	171
56	Ceramide-domain formation and collapse in lipid rafts: membrane reorganization by an apoptotic lipid. <i>Biophysical Journal</i> , 2007 , 92, 502-16	2.9	152
55	Effect of ceramide structure on membrane biophysical properties: the role of acyl chain length and unsaturation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011 , 1808, 2753-60	3.8	140
54	Cancer immunotherapy: nanodelivery approaches for immune cell targeting and tracking. <i>Frontiers in Chemistry</i> , 2014 , 2, 105	5	125
53	Cholesterol-rich fluid membranes solubilize ceramide domains: implications for the structure and dynamics of mammalian intracellular and plasma membranes. <i>Journal of Biological Chemistry</i> , 2009 , 284, 22978-87	5.4	116
52	Formation of ceramide/sphingomyelin gel domains in the presence of an unsaturated phospholipid: a quantitative multiprobe approach. <i>Biophysical Journal</i> , 2007 , 93, 1639-50	2.9	109
51	Ceramide-platform formation and -induced biophysical changes in a fluid phospholipid membrane. <i>Molecular Membrane Biology</i> , 2006 , 23, 137-48	3.4	109
50	Membrane domain formation, interdigitation, and morphological alterations induced by the very long chain asymmetric C24:1 ceramide. <i>Biophysical Journal</i> , 2008 , 95, 2867-79	2.9	96
49	Lipid raft composition modulates sphingomyelinase activity and ceramide-induced membrane physical alterations. <i>Biophysical Journal</i> , 2009 , 96, 3210-22	2.9	79
48	Ablation of ceramide synthase 2 strongly affects biophysical properties of membranes. <i>Journal of Lipid Research</i> , 2012 , 53, 430-436	6.3	57
47	Molecular Modeling to Study Dendrimers for Biomedical Applications. <i>Molecules</i> , 2014 , 19, 20424-20467	4.8	52
46	Methylation of glycosylated sphingolipid modulates membrane lipid topography and pathogenicity of <i>Cryptococcus neoformans</i> . <i>Cellular Microbiology</i> , 2012 , 14, 500-16	3.9	51
45	Cholesterol and ergosterol influence nystatin surface aggregation: relation to pore formation. <i>Biophysical Journal</i> , 2004 , 87, 3264-76	2.9	51
44	A Three-Component Assembly Promoted by Boronic Acids Delivers a Modular Fluorophore Platform (BASHY Dyes). <i>Chemistry - A European Journal</i> , 2016 , 22, 1631-7	4.8	46
43	FRET analysis of domain formation and properties in complex membrane systems. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009 , 1788, 209-24	3.8	44

42	Changes in membrane biophysical properties induced by sphingomyelinase depend on the sphingolipid N-acyl chain. <i>Journal of Lipid Research</i> , 2014 , 55, 53-61	6.3	43
41	1-Deoxysphingolipids. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019 , 1864, 512-521	5	42
40	Cisplatin-Membrane Interactions and Their Influence on Platinum Complexes Activity and Toxicity. <i>Frontiers in Physiology</i> , 2018 , 9, 1898	4.6	38
39	A combined fluorescence spectroscopy, confocal and 2-photon microscopy approach to re-evaluate the properties of sphingolipid domains. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013 , 1828, 2099-1110	3.8	37
38	Competitive binding of cholesterol and ergosterol to the polyene antibiotic nystatin. A fluorescence study. <i>Biophysical Journal</i> , 2006 , 90, 3625-31	2.9	37
37	Development of functionalized nanoparticles for vaccine delivery to dendritic cells: a mechanistic approach. <i>Nanomedicine</i> , 2014 , 9, 2639-56	5.6	31
36	Effect of glucosylceramide on the biophysical properties of fluid membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013 , 1828, 1122-30	3.8	30
35	Nystatin-induced lipid vesicles permeabilization is strongly dependent on sterol structure. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2006 , 1758, 452-9	3.8	24
34	Pathological levels of glucosylceramide change the biophysical properties of artificial and cell membranes. <i>Physical Chemistry Chemical Physics</i> , 2016 , 19, 340-346	3.6	20
33	The role of ceramide in regulating endoplasmic reticulum function. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2020 , 1865, 158489	5	19
32	The molecular mechanism of Nystatin action is dependent on the membrane biophysical properties and lipid composition. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 30078-30088	3.6	17
31	Mammalian sphingoid bases: Biophysical, physiological and pathological properties. <i>Progress in Lipid Research</i> , 2019 , 75, 100988	14.3	17
30	Development of lysosome-mimicking vesicles to study the effect of abnormal accumulation of sphingosine on membrane properties. <i>Scientific Reports</i> , 2017 , 7, 3949	4.9	17
29	Tackling the biophysical properties of sphingolipids to decipher their biological roles. <i>Biological Chemistry</i> , 2015 , 396, 597-609	4.5	16
28	Glucosylceramide Reorganizes Cholesterol-Containing Domains in a Fluid Phospholipid Membrane. <i>Biophysical Journal</i> , 2016 , 110, 612-622	2.9	16
27	Biophysical implications of sphingosine accumulation in membrane properties at neutral and acidic pH. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 4858-66	3.4	16
26	Changes in membrane biophysical properties induced by the Budesonide/Hydroxypropyl-β-cyclodextrin complex. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017 , 1859, 1930-1940	3.8	13
25	N,O-Iminoboronates: Reversible Iminoboronates with Improved Stability for Cancer Cells Targeted Delivery. <i>Chemistry - A European Journal</i> , 2018 , 24, 12495-12499	4.8	12

24	Rational design of novel, fluorescent, tagged glutamic acid dendrimers with different terminal groups and in silico analysis of their properties. <i>International Journal of Nanomedicine</i> , 2017 , 12, 7053-7073	7.3	11
23	Influence of intracellular membrane pH on sphingolipid organization and membrane biophysical properties. <i>Langmuir</i> , 2014 , 30, 4094-104	4	10
22	Regulatory Aspects of Oncologicals: Nanosystems Main Challenges. <i>Advances in Delivery Science and Technology</i> , 2014 , 425-452		8
21	Conformation and self-assembly of a nystatin nitrobenzoxadiazole derivative in lipid membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2003 , 1617, 69-79	3.8	8
20	Practical computational toolkits for dendrimers and dendrons structure design. <i>Journal of Computer-Aided Molecular Design</i> , 2017 , 31, 817-827	4.2	7
19	Poly-glutamic dendrimer-based conjugates for cancer vaccination - a computational design for targeted delivery of antigens. <i>Journal of Drug Targeting</i> , 2017 , 25, 873-880	5.4	7
18	Ceramide Domains in Health and Disease: A Biophysical Perspective. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1159, 79-108	3.6	7
17	Ceramide-containing membranes: the interface between biophysics and biology. <i>Trends in Glycoscience and Glycotechnology</i> , 2008 , 20, 297-313	0.1	6
16	Lipid domain formation and membrane shaping by C24-ceramide. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020 , 1862, 183400	3.8	5
15	NBD derived diphenyl(aminomethyl)phosphane \square A new fluorescent dye for imaging of low pH regions and lipid membranes in living cells. <i>Dyes and Pigments</i> , 2021 , 184, 108771	4.6	4
14	Canonical and 1-Deoxy(methyl) Sphingoid Bases: Tackling the Effect of the Lipid Structure on Membrane Biophysical Properties. <i>Langmuir</i> , 2020 , 36, 6007-6016	4	3
13	Functional Moieties for Intracellular Traffic of Nanomaterials 2018 , 399-448		3
12	Solution conformation of a nitrobenzoxadiazole derivative of the polyene antibiotic nystatin: a FRET study. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2003 , 72, 17-26	6.7	3
11	Regulatory Development of Nanotechnology-Based Vaccines 2017 , 393-410		2
10	Biophysical Analysis of Lipid Domains in Mammalian and Yeast Membranes by Fluorescence Spectroscopy. <i>Methods in Molecular Biology</i> , 2021 , 2187, 247-269	1.4	2
9	Cholesterol-Rich Fluid Membranes Solubilize Ceramide Gel Domains. Implications for the Organization of Mammalian Membranes. <i>Biophysical Journal</i> , 2010 , 98, 230a	2.9	1
8	Biophysical Analysis of Lipid Domains by Fluorescence Microscopy. <i>Methods in Molecular Biology</i> , 2021 , 2187, 223-245	1.4	1
7	Meeting Report - The 2019 FEBS special meeting on sphingolipid biology: sphingolipids in physiology and pathology. <i>Journal of Cell Science</i> , 2019 , 132,	5.3	1

6	The long chain base unsaturation has a stronger impact on 1-deoxy(methyl)-sphingolipids biophysical properties than the structure of its C1 functional group. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021 , 1863, 183628	3.8	1
5	Biophysical impact of sphingosine and other abnormal lipid accumulation in Niemann-Pick disease type C cell models. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2021 , 1866, 158944	5	1
4	Mammalian sphingoid bases: Biophysical, physiological and pathological properties. <i>Progress in Lipid Research</i> , 2019 , 100995	14.3	0
3	Laurdan in live cell imaging: Effect of acquisition settings, cell culture conditions and data analysis on generalized polarization measurements.. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2022 , 228, 112404	6.7	0
2	Interactions of Ceramide and Sphingomyelin Quantified in Mixtures with an Unsaturated Phosphatidylcholine. <i>Biophysical Journal</i> , 2009 , 96, 355a-356a	2.9	
1	A Three-Component Assembly Promoted by Boronic Acids Delivers a Modular Fluorophore Platform (BASHY Dyes). <i>Chemistry - A European Journal</i> , 2016 , 22, 1537-1537	4.8	