

Liana C Silva

List of Publications by Year in descending order

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63
papers

2,917
citations

218381

26
h-index

168136

53
g-index

69
all docs

69
docs citations

69
times ranked

3985
citing authors

#	ARTICLE	IF	CITATIONS
1	Ceramide: A simple sphingolipid with unique biophysical properties. <i>Progress in Lipid Research</i> , 2014, 54, 53-67.	5.3	290
2	Regulatory aspects on nanomedicines. <i>Biochemical and Biophysical Research Communications</i> , 2015, 468, 504-510.	1.0	256
3	A Critical Role for Ceramide Synthase 2 in Liver Homeostasis. <i>Journal of Biological Chemistry</i> , 2010, 285, 10902-10910.	1.6	213
4	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, 2753-2760.	1.4	172
5	Ceramide-Domain Formation and Collapse in Lipid Rafts: Membrane Reorganization by an Apoptotic Lipid. <i>Biophysical Journal</i> , 2007, 92, 502-516.	0.2	169
6	Cancer immunotherapy: nanodelivery approaches for immune cell targeting and tracking. <i>Frontiers in Chemistry</i> , 2014, 2, 105.	1.8	147
7	Cholesterol-rich Fluid Membranes Solubilize Ceramide Domains. <i>Journal of Biological Chemistry</i> , 2009, 284, 22978-22987.	1.6	127
8	Ceramide-platform formation and -induced biophysical changes in a fluid phospholipid membrane. <i>Molecular Membrane Biology</i> , 2006, 23, 137-148.	2.0	119
9	Formation of Ceramide/Sphingomyelin Gel Domains in the Presence of an Unsaturated Phospholipid: A Quantitative Multiprobe Approach. <i>Biophysical Journal</i> , 2007, 93, 1639-1650.	0.2	118
10	Membrane Domain Formation, Interdigitation, and Morphological Alterations Induced by the Very Long Chain Asymmetric C24:1 Ceramide. <i>Biophysical Journal</i> , 2008, 95, 2867-2879.	0.2	104
11	Lipid Raft Composition Modulates Sphingomyelinase Activity and Ceramide-Induced Membrane Physical Alterations. <i>Biophysical Journal</i> , 2009, 96, 3210-3222.	0.2	87
12	Cisplatin-Membrane Interactions and Their Influence on Platinum Complexes Activity and Toxicity. <i>Frontiers in Physiology</i> , 2018, 9, 1898.	1.3	78
13	1-Deoxysphingolipids. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019, 1864, 512-521.	1.2	69
14	Methylation of glycosylated sphingolipid modulates membrane lipid topography and pathogenicity of <i>Cryptococcus neoformans</i> . <i>Cellular Microbiology</i> , 2012, 14, 500-516.	1.1	67
15	Molecular Modeling to Study Dendrimers for Biomedical Applications. <i>Molecules</i> , 2014, 19, 20424-20467.	1.7	66
16	Ablation of ceramide synthase 2 strongly affects biophysical properties of membranes. <i>Journal of Lipid Research</i> , 2012, 53, 430-436.	2.0	62
17	Cholesterol and Ergosterol Influence Nystatin Surface Aggregation: Relation to Pore Formation. <i>Biophysical Journal</i> , 2004, 87, 3264-3276.	0.2	59
18	A Three-Component Assembly Promoted by Boronic Acids Delivers a Modular Fluorophore Platform (BASHY Dyes). <i>Chemistry - A European Journal</i> , 2016, 22, 1631-1637.	1.7	56

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19	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.	2.0	51
20	Competitive Binding of Cholesterol and Ergosterol to the Polyene Antibiotic Nystatin. A Fluorescence Study. <i>Biophysical Journal</i> , 2006, 90, 3625-3631.	0.2	47
21	FRET analysis of domain formation and properties in complex membrane systems. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009, 1788, 209-224.	1.4	46
22	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, 2099-2110.	1.4	38
23	Development of functionalized nanoparticles for vaccine delivery to dendritic cells: a mechanistic approach. <i>Nanomedicine</i> , 2014, 9, 2639-2656.	1.7	37
24	Effect of glucosylceramide on the biophysical properties of fluid membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 1122-1130.	1.4	32
25	Nystatin-induced lipid vesicles permeabilization is strongly dependent on sterol structure. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2006, 1758, 452-459.	1.4	31
26	The role of ceramide in regulating endoplasmic reticulum function. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2020, 1865, 158489.	1.2	29
27	Pathological levels of glucosylceramide change the biophysical properties of artificial and cell membranes. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 340-346.	1.3	28
28	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.	1.3	28
29	Glucosylceramide Reorganizes Cholesterol-Containing Domains in a Fluid Phospholipid Membrane. <i>Biophysical Journal</i> , 2016, 110, 612-622.	0.2	24
30	Mammalian sphingoid bases: Biophysical, physiological and pathological properties. <i>Progress in Lipid Research</i> , 2019, 75, 100988.	5.3	24
31	Development of lysosome-mimicking vesicles to study the effect of abnormal accumulation of sphingosine on membrane properties. <i>Scientific Reports</i> , 2017, 7, 3949.	1.6	23
32	Tackling the biophysical properties of sphingolipids to decipher their biological roles. <i>Biological Chemistry</i> , 2015, 396, 597-609.	1.2	20
33	Biophysical Implications of Sphingosine Accumulation in Membrane Properties at Neutral and Acidic pH. <i>Journal of Physical Chemistry B</i> , 2014, 118, 4858-4866.	1.2	19
34	Changes in membrane biophysical properties induced by the Budesonide/Hydroxypropyl- β -cyclodextrin complex. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 1930-1940.	1.4	17
35	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, Volume 12, 7053-7073.	3.3	15
36	Regulatory Aspects of Oncologicals: Nanosystems Main Challenges. <i>Advances in Delivery Science and Technology</i> , 2014, , 425-452.	0.4	14

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37	Influence of Intracellular Membrane pH on Sphingolipid Organization and Membrane Biophysical Properties. <i>Langmuir</i> , 2014, 30, 4094-4104.	1.6	12
38	<i>N,N</i> -iminoboronates: Reversible Iminoboronates with Improved Stability for Cancer Cells Targeted Delivery. <i>Chemistry - A European Journal</i> , 2018, 24, 12495-12499.	1.7	12
39	Lipid domain formation and membrane shaping by C24-ceramide. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183400.	1.4	11
40	NBD derived diphenyl(aminomethyl)phosphane " A new fluorescent dye for imaging of low pH regions and lipid membranes in living cells. <i>Dyes and Pigments</i> , 2021, 184, 108771.	2.0	11
41	Ceramide Domains in Health and Disease: A Biophysical Perspective. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1159, 79-108.	0.8	11
42	Conformation and self-assembly of a nystatin nitrobenzoxadiazole derivative in lipid membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2003, 1617, 69-79.	1.4	9
43	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.	2.1	9
44	Practical computational toolkits for dendrimers and dendrons structure design. <i>Journal of Computer-Aided Molecular Design</i> , 2017, 31, 817-827.	1.3	8
45	Ceramide-containing membranes: the interface between biophysics and biology. <i>Trends in Glycoscience and Glycotechnology</i> , 2008, 20, 297-313.	0.0	8
46	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.	1.7	8
47	Regulatory Development of Nanotechnology-Based Vaccines. , 2017, , 393-410.		5
48	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.	1.6	5
49	Functional Moieties for Intracellular Traffic of Nanomaterials. , 2018, , 399-448.		4
50	Sphingolipid metabolism and signaling: embracing diversity. <i>FEBS Letters</i> , 2020, 594, 3579-3582.	1.3	4
51	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.	1.4	4
52	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.	1.7	3
53	Biophysical Analysis of Lipid Domains in Mammalian and Yeast Membranes by Fluorescence Spectroscopy. <i>Methods in Molecular Biology</i> , 2021, 2187, 247-269.	0.4	2
54	Biophysical Analysis of Lipid Domains by Fluorescence Microscopy. <i>Methods in Molecular Biology</i> , 2021, 2187, 223-245.	0.4	2

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55	Cholesterol-Rich Fluid Membranes Solubilize Ceramide Gel Domains. Implications for the Organization of Mammalian Membranes. <i>Biophysical Journal</i> , 2010, 98, 230a.	0.2	1
56	Meeting Report “The 2019 FEBS special meeting on sphingolipid biology: sphingolipids in physiology and pathology. <i>Journal of Cell Science</i> , 2019, 132, .	1.2	1
57	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.	1.2	1
58	Interdigitation, Domains and Morphology, in Membranes of the Chain Asymmetric C24:1 Ceramide. <i>Biophysical Journal</i> , 2009, 96, 355a.	0.2	0
59	Interactions of Ceramide and Sphingomyelin Quantified in Mixtures with an Unsaturated Phosphatidylcholine. <i>Biophysical Journal</i> , 2009, 96, 355a-356a.	0.2	0
60	Lipid Raft Composition Modulates Sphingomyelinase Activity and Ceramide-Induced Membrane Physical Alterations. <i>Biophysical Journal</i> , 2010, 98, 205a.	0.2	0
61	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.	1.7	0
62	Spotlights on our sister journals: <i>Chem. Eur. J.</i> 44/2016. <i>Chemistry - A European Journal</i> , 2016, 22, 15564-15567.	1.7	0
63	Sphingolipid-Enriched Domains in Yeast: Biophysical Properties and Antifungal Interaction. <i>Biophysical Journal</i> , 2021, 120, 45a.	0.2	0