Liana C Silva

List of Publications by Year
in descending order

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63 papers	2,917 citations	218677 26 h-index	168389 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. Progress in Lipid Research, 2014, 54, 53-67.	11.6	290
2	Regulatory aspects on nanomedicines. Biochemical and Biophysical Research Communications, 2015, 468, 504-510.	2.1	256
3	A Critical Role for Ceramide Synthase 2 in Liver Homeostasis. Journal of Biological Chemistry, 2010, 285, 10902-10910.	3.4	213
4	Effect of ceramide structure on membrane biophysical properties: The role of acyl chain length and unsaturation. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 2753-2760.	2.6	172
5	Ceramide-Domain Formation and Collapse in Lipid Rafts: Membrane Reorganization by an Apoptotic Lipid. Biophysical Journal, 2007, 92, 502-516.	0.5	169
6	Cancer immunotherapy: nanodelivery approaches for immune cell targeting and tracking. Frontiers in Chemistry, 2014, 2, 105.	3.6	147
7	Cholesterol-rich Fluid Membranes Solubilize Ceramide Domains. Journal of Biological Chemistry, 2009, 284, 22978-22987.	3.4	127
8	Ceramide-platform formation and -induced biophysical changes in a fluid phospholipid membrane. Molecular Membrane Biology, 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. Biophysical Journal, 2007, 93, 1639-1650.	0.5	118
10	Membrane Domain Formation, Interdigitation, and Morphological Alterations Induced by the Very Long Chain Asymmetric C24:1 Ceramide. Biophysical Journal, 2008, 95, 2867-2879.	0.5	104
11	Lipid Raft Composition Modulates Sphingomyelinase Activity and Ceramide-Induced Membrane Physical Alterations. Biophysical Journal, 2009, 96, 3210-3222.	0.5	87
12	Cisplatin-Membrane Interactions and Their Influence on Platinum Complexes Activity and Toxicity. Frontiers in Physiology, 2018, 9, 1898.	2.8	78
13	1-Deoxysphingolipids. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2019, 1864, 512-521.	2.4	69
14	Methylation of glycosylated sphingolipid modulates membrane lipid topography and pathogenicity of Cryptococcus neoformans. Cellular Microbiology, 2012, 14, 500-516.	2.1	67
15	Molecular Modeling to Study Dendrimers for Biomedical Applications. Molecules, 2014, 19, 20424-20467.	3.8	66
16	Ablation of ceramide synthase 2 strongly affects biophysical properties of membranes. Journal of Lipid Research, 2012, 53, 430-436.	4.2	62
17	Cholesterol and Ergosterol Influence Nystatin Surface Aggregation: Relation to Pore Formation. Biophysical Journal, 2004, 87, 3264-3276.	0.5	59
18	A Threeâ€Component Assembly Promoted by Boronic Acids Delivers a Modular Fluorophore Platform (BASHY Dyes). Chemistry - A European Journal, 2016, 22, 1631-1637.	3.3	56

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19	Changes in membrane biophysical properties induced by sphingomyelinase depend on the sphingolipid N-acyl chain. Journal of Lipid Research, 2014, 55, 53-61.	4.2	51
20	Competitive Binding of Cholesterol and Ergosterol to the Polyene Antibiotic Nystatin. A Fluorescence Study. Biophysical Journal, 2006, 90, 3625-3631.	0.5	47
21	FRET analysis of domain formation and properties in complex membrane systems. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 209-224.	2.6	46
22	A combined fluorescence spectroscopy, confocal and 2-photon microscopy approach to re-evaluate the properties of sphingolipid domains. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 2099-2110.	2.6	38
23	Development of functionalized nanoparticles for vaccine delivery to dendritic cells: a mechanistic approach. Nanomedicine, 2014, 9, 2639-2656.	3.3	37
24	Effect of glucosylceramide on the biophysical properties of fluid membranes. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 1122-1130.	2.6	32
25	Nystatin-induced lipid vesicles permeabilization is strongly dependent on sterol structure. Biochimica Et Biophysica Acta - Biomembranes, 2006, 1758, 452-459.	2.6	31
26	The role of ceramide in regulating endoplasmic reticulum function. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2020, 1865, 158489.	2.4	29
27	Pathological levels of glucosylceramide change the biophysical properties of artificial and cell membranes. Physical Chemistry Chemical Physics, 2017, 19, 340-346.	2.8	28
28	The molecular mechanism of Nystatin action is dependent on the membrane biophysical properties and lipid composition. Physical Chemistry Chemical Physics, 2017, 19, 30078-30088.	2.8	28
29	Glucosylceramide Reorganizes Cholesterol-Containing Domains in a Fluid Phospholipid Membrane. Biophysical Journal, 2016, 110, 612-622.	0.5	24
30	Mammalian sphingoid bases: Biophysical, physiological and pathological properties. Progress in Lipid Research, 2019, 75, 100988.	11.6	24
31	Development of lysosome-mimicking vesicles to study the effect of abnormal accumulation of sphingosine on membrane properties. Scientific Reports, 2017, 7, 3949.	3.3	23
32	Tackling the biophysical properties of sphingolipids to decipher their biological roles. Biological Chemistry, 2015, 396, 597-609.	2.5	20
33	Biophysical Implications of Sphingosine Accumulation in Membrane Properties at Neutral and Acidic pH. Journal of Physical Chemistry B, 2014, 118, 4858-4866.	2.6	19
34	Changes in membrane biophysical properties induced by the Budesonide/Hydroxypropyl-Î²-cyclodextrin complex. Biochimica Et Biophysica Acta - Biomembranes, 2017, 1859, 1930-1940.	2.6	17
35	Rational design of novel, fluorescent, tagged glutamic acid dendrimers with different terminal groups and in silico analysis of their properties. International Journal of Nanomedicine, 2017, Volume 12, 7053-7073.	6.7	15
36	Regulatory Aspects of Oncologicals: Nanosystems Main Challenges. Advances in Delivery Science and Technology, 2014, , 425-452.	0.4	14

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37	Influence of Intracellular Membrane pH on Sphingolipid Organization and Membrane Biophysical Properties. Langmuir, 2014, 30, 4094-4104.	3.5	12
38	N,Oâ€iminoboronates: Reversible Iminoboronates with Improved Stability for Cancer Cells Targeted Delivery. Chemistry - A European Journal, 2018, 24, 12495-12499.	3.3	12
39	Lipid domain formation and membrane shaping by C24-ceramide. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183400.	2.6	11
40	NBD derived diphenyl(aminomethyl)phosphane â€“ A new fluorescent dye for imaging of low pH regions and lipid membranes in living cells. Dyes and Pigments, 2021, 184, 108771.	3.7	11
41	Ceramide Domains in Health and Disease: A Biophysical Perspective. Advances in Experimental Medicine and Biology, 2019, 1159, 79-108.	1.6	11
42	Conformation and self-assembly of a nystatin nitrobenzoxadiazole derivative in lipid membranes. Biochimica Et Biophysica Acta - Biomembranes, 2003, 1617, 69-79.	2.6	9
43	Poly-glutamic dendrimer-based conjugates for cancer vaccination â€“ a computational design for targeted delivery of antigens. Journal of Drug Targeting, 2017, 25, 873-880.	4.4	9
44	Practical computational toolkits for dendrimers and dendrons structure design. Journal of Computer-Aided Molecular Design, 2017, 31, 817-827.	2.9	8
45	Ceramide-containing membranes: the interface between biophysics and biology. Trends in Glycoscience and Glycotechnology, 2008, 20, 297-313.	0.1	8
46	Laurdan in live cell imaging: Effect of acquisition settings, cell culture conditions and data analysis on generalized polarization measurements. Journal of Photochemistry and Photobiology B: Biology, 2022, 228, 112404.	3.8	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. Langmuir, 2020, 36, 6007-6016.	3.5	5
49	Functional Moieties for Intracellular Traffic of Nanomaterials. , 2018, , 399-448.		4
50	Sphingolipid metabolism and signaling: embracing diversity. FEBS Letters, 2020, 594, 3579-3582.	2.8	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. Biochimica Et Biophysica Acta - Biomembranes, 2021, 1863, 183628.	2.6	4
52	Solution conformation of a nitrobenzoxadiazole derivative of the polyene antibiotic nystatin: a FRET study. Journal of Photochemistry and Photobiology B: Biology, 2003, 72, 17-26.	3.8	3
53	Biophysical Analysis of Lipid Domains in Mammalian and Yeast Membranes by Fluorescence Spectroscopy. Methods in Molecular Biology, 2021, 2187, 247-269.	0.9	2
54	Biophysical Analysis of Lipid Domains by Fluorescence Microscopy. Methods in Molecular Biology, 2021, 2187, 223-245.	0.9	2

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55	Cholesterol-Rich Fluid Membranes Solubilize Ceramide Gel Domains. Implications for the Organization of Mammalian Membranes. Biophysical Journal, 2010, 98, 230a.	0.5	1
56	Meeting Report â€“ The 2019 FEBS special meeting on sphingolipid biology: sphingolipids in physiology and pathology. Journal of Cell Science, 2019, 132, .	2.0	1
57	Biophysical impact of sphingosine and other abnormal lipid accumulation in Niemann-Pick disease type C cell models. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2021, 1866, 158944.	2.4	1
58	Interdigitation, Domains and Morphology, in Membranes of the Chain Asymmetric C24:1 Ceramide. Biophysical Journal, 2009, 96, 355a.	0.5	0
59	Interactions of Ceramide and Sphingomyelin Quantified in Mixtures with an Unsaturated Phosphatidylcholine. Biophysical Journal, 2009, 96, 355a-356a.	0.5	0
60	Lipid Raft Composition Modulates Sphingomyelinase Activity and Ceramide-Induced Membrane Physical Alterations. Biophysical Journal, 2010, 98, 205a.	0.5	0
61	A Three-Component Assembly Promoted by Boronic Acids Delivers a Modular Fluorophore Platform (BASHY Dyes). Chemistry - A European Journal, 2016, 22, 1537-1537.	3.3	0
62	Spotlights on our sister journals: Chem. Eur. J. 44/2016. Chemistry - A European Journal, 2016, 22, 15564-15567.	3.3	0
63	Sphingolipid-Enriched Domains in Yeast: Biophysical Properties and Antifungal Interaction. Biophysical Journal, 2021, 120, 45a.	0.5	0