# Liana C Silva

## List of Publications by Year in Descending Order



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| 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 | 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 | 6.7 | 0 |
| 58 | Biophysical Analysis of Lipid Domains by Fluorescence Microscopy. *Methods in Molecular Biology*, **2021**, 2187, 223-245 | 1.4 | 1 |
| 57 | NBD derived diphenyl(aminomethyl)phosphane A new fluorescent dye for imaging of low pH regions and lipid membranes in living cells. *Dyes and Pigments*, **2021**, 184, 108771 | 4.6 | 4 |
| 56 | 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 | 3.8 | 1 |
| 55 | 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 | 5 | 1 |
| 54 | Biophysical Analysis of Lipid Domains in Mammalian and Yeast Membranes by Fluorescence Spectroscopy. *Methods in Molecular Biology*, **2021**, 2187, 247-269 | 1.4 | 2 |
| 53 | Canonical and 1-Deoxy(methyl) Sphingoid Bases: Tackling the Effect of the Lipid Structure on Membrane Biophysical Properties. *Langmuir*, **2020**, 36, 6007-6016 | 4 | 3 |
| 52 | Lipid domain formation and membrane shaping by C24-ceramide. *Biochimica Et Biophysica Acta - Biomembranes*, **2020**, 1862, 183400 | 3.8 | 5 |
| 51 | The role of ceramide in regulating endoplasmic reticulum function. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2020**, 1865, 158489 | 5 | 19 |
| 50 | Mammalian sphingoid bases: Biophysical, physiological and pathological properties. *Progress in Lipid Research*, **2019**, 100995 | 14.3 | 0 |
| 49 | Mammalian sphingoid bases: Biophysical, physiological and pathological properties. *Progress in Lipid Research*, **2019**, 75, 100988 | 14.3 | 17 |
| 48 | Ceramide Domains in Health and Disease: A Biophysical Perspective. *Advances in Experimental Medicine and Biology*, **2019**, 1159, 79-108 | 3.6 | 7 |
| 47 | Meeting Report - The 2019 FEBS special meeting on sphingolipid biology: sphingolipids in physiology and pathology. *Journal of Cell Science*, **2019**, 132, | 5.3 | 1 |
| 46 | 1-Deoxysphingolipids. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2019**, 1864, 512-521 | 5 | 42 |
| 45 | Cisplatin-Membrane Interactions and Their Influence on Platinum Complexes Activity and Toxicity. *Frontiers in Physiology*, **2018**, 9, 1898 | 4.6 | 38 |
| 44 | Functional Moieties for Intracellular Traffic of Nanomaterials **2018**, 399-448 | | 3 |
| 43 | N,O-Iminoboronates: Reversible Iminoboronates with Improved Stability for Cancer Cells Targeted Delivery. *Chemistry - A European Journal*, **2018**, 24, 12495-12499 | 4.8 | 12 |

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| 42 | The molecular mechanism of Nystatin action is dependent on the membrane biophysical properties and lipid composition. *Physical Chemistry Chemical Physics*, **2017**, 19, 30078-30088 | 3.6 | 17 |
| 41 | Practical computational toolkits for dendrimers and dendrons structure design. *Journal of Computer-Aided Molecular Design*, **2017**, 31, 817-827 | 4.2 | 7 |
| 40 | Poly-glutamic dendrimer-based conjugates for cancer vaccination - a computational design for targeted delivery of antigens. *Journal of Drug Targeting*, **2017**, 25, 873-880 | 5.4 | 7 |
| 39 | Changes in membrane biophysical properties induced by the Budesonide/Hydroxypropyl-□yclodextrin complex. *Biochimica Et Biophysica Acta - Biomembranes*, **2017**, 1859, 1930-1940 | 3.8 | 13 |
| 38 | Development of lysosome-mimicking vesicles to study the effect of abnormal accumulation of sphingosine on membrane properties. *Scientific Reports*, **2017**, 7, 3949 | 4.9 | 17 |
| 37 | Regulatory Development of Nanotechnology-Based Vaccines **2017**, 393-410 | | 2 |
| 36 | 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**, 12, 7053-7073 | 7.3 | 11 |
| 35 | Pathological levels of glucosylceramide change the biophysical properties of artificial and cell membranes. *Physical Chemistry Chemical Physics*, **2016**, 19, 340-346 | 3.6 | 20 |
| 34 | A Three-Component Assembly Promoted by Boronic Acids Delivers a Modular Fluorophore Platform (BASHY Dyes). *Chemistry - A European Journal*, **2016**, 22, 1631-7 | 4.8 | 46 |
| 33 | Glucosylceramide Reorganizes Cholesterol-Containing Domains in a Fluid Phospholipid Membrane. *Biophysical Journal*, **2016**, 110, 612-622 | 2.9 | 16 |
| 32 | A Three-Component Assembly Promoted by Boronic Acids Delivers a Modular Fluorophore Platform (BASHY Dyes). *Chemistry - A European Journal*, **2016**, 22, 1537-1537 | 4.8 | |
| 31 | Tackling the biophysical properties of sphingolipids to decipher their biological roles. *Biological Chemistry*, **2015**, 396, 597-609 | 4.5 | 16 |
| 30 | Regulatory aspects on nanomedicines. *Biochemical and Biophysical Research Communications*, **2015**, 468, 504-10 | 3.4 | 196 |
| 29 | Ceramide: a simple sphingolipid with unique biophysical properties. *Progress in Lipid Research*, **2014** , 54, 53-67 | 14.3 | 207 |
| 28 | Influence of intracellular membrane pH on sphingolipid organization and membrane biophysical properties. *Langmuir*, **2014**, 30, 4094-104 | 4 | 10 |
| 27 | Biophysical implications of sphingosine accumulation in membrane properties at neutral and acidic pH. *Journal of Physical Chemistry B*, **2014**, 118, 4858-66 | 3.4 | 16 |
| 26 | Changes in membrane biophysical properties induced by sphingomyelinase depend on the sphingolipid N-acyl chain. *Journal of Lipid Research*, **2014**, 55, 53-61 | 6.3 | 43 |
| 25 | Cancer immunotherapy: nanodelivery approaches for immune cell targeting and tracking. *Frontiers in Chemistry*, **2014**, 2, 105 | 5 | 125 |

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| 24 | Molecular Modeling to Study Dendrimers for Biomedical Applications. *Molecules*, **2014**, 19, 20424-20467 | 4.8 | 52 |
| 23 | Development of functionalized nanoparticles for vaccine delivery to dendritic cells: a mechanistic approach. *Nanomedicine*, **2014**, 9, 2639-56 | 5.6 | 31 |
| 22 | Regulatory Aspects of Oncologicals: Nanosystems Main Challenges. *Advances in Delivery Science and Technology*, **2014**, 425-452 | | 8 |
| 21 | 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, 2099-110 | 3.8 | 37 |
| 20 | Effect of glucosylceramide on the biophysical properties of fluid membranes. *Biochimica Et Biophysica Acta - Biomembranes*, **2013**, 1828, 1122-30 | 3.8 | 30 |
| 19 | Methylation of glycosylated sphingolipid modulates membrane lipid topography and pathogenicity of Cryptococcus neoformans. *Cellular Microbiology*, **2012**, 14, 500-16 | 3.9 | 51 |
| 18 | Ablation of ceramide synthase 2 strongly affects biophysical properties of membranes. *Journal of Lipid Research*, **2012**, 53, 430-436 | 6.3 | 57 |
| 17 | Effect of ceramide structure on membrane biophysical properties: the role of acyl chain length and unsaturation. *Biochimica Et Biophysica Acta - Biomembranes*, **2011**, 1808, 2753-60 | 3.8 | 140 |
| 16 | A critical role for ceramide synthase 2 in liver homeostasis: I. alterations in lipid metabolic pathways. *Journal of Biological Chemistry*, **2010**, 285, 10902-10 | 5.4 | 171 |
| 15 | Cholesterol-Rich Fluid Membranes Solubilize Ceramide Gel Domains. Implications for the Organization of Mammalian Membranes. *Biophysical Journal*, **2010**, 98, 230a | 2.9 | 1 |
| 14 | Cholesterol-rich fluid membranes solubilize ceramide domains: implications for the structure and dynamics of mammalian intracellular and plasma membranes. *Journal of Biological Chemistry*, **2009**, 284, 22978-87 | 5.4 | 116 |
| 13 | FRET analysis of domain formation and properties in complex membrane systems. *Biochimica Et Biophysica Acta - Biomembranes*, **2009**, 1788, 209-24 | 3.8 | 44 |
| 12 | Lipid raft composition modulates sphingomyelinase activity and ceramide-induced membrane physical alterations. *Biophysical Journal*, **2009**, 96, 3210-22 | 2.9 | 79 |
| 11 | Interactions of Ceramide and Sphingomyelin Quantified in Mixtures with an Unsaturated Phosphatidylcholine. *Biophysical Journal*, **2009**, 96, 355a-356a | 2.9 | |
| 10 | Membrane domain formation, interdigitation, and morphological alterations induced by the very long chain asymmetric C24:1 ceramide. *Biophysical Journal*, **2008**, 95, 2867-79 | 2.9 | 96 |
| 9 | Ceramide-containing membranes: the interface between biophysics and biology. *Trends in Glycoscience and Glycotechnology*, **2008**, 20, 297-313 | 0.1 | 6 |
| 8 | Ceramide-domain formation and collapse in lipid rafts: membrane reorganization by an apoptotic lipid. *Biophysical Journal*, **2007**, 92, 502-16 | 2.9 | 152 |
| 7 | Formation of ceramide/sphingomyelin gel domains in the presence of an unsaturated phospholipid: a quantitative multiprobe approach. *Biophysical Journal*, **2007**, 93, 1639-50 | 2.9 | 109 |

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| 6 | Ceramide-platform formation and -induced biophysical changes in a fluid phospholipid membrane. *Molecular Membrane Biology*, **2006**, 23, 137-48 | 3.4 | 109 |
| 5 | Competitive binding of cholesterol and ergosterol to the polyene antibiotic nystatin. A fluorescence study. *Biophysical Journal*, **2006**, 90, 3625-31 | 2.9 | 37 |
| 4 | Nystatin-induced lipid vesicles permeabilization is strongly dependent on sterol structure. *Biochimica Et Biophysica Acta - Biomembranes*, **2006**, 1758, 452-9 | 3.8 | 24 |
| 3 | Cholesterol and ergosterol influence nystatin surface aggregation: relation to pore formation. *Biophysical Journal*, **2004**, 87, 3264-76 | 2.9 | 51 |
| 2 | 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 | 6.7 | 3 |
| 1 | Conformation and self-assembly of a nystatin nitrobenzoxadiazole derivative in lipid membranes. *Biochimica Et Biophysica Acta - Biomembranes*, **2003**, 1617, 69-79 | 3.8 | 8 |