# Liana C Silva

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7808486/publications.pdf

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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 | 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. | 1.7 | 8 |
| 2 | 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. | 2.0 | 11 |
| 3 | Sphingolipid-Enriched Domains in Yeast: Biophysical Properties and Antifungal Interaction. Biophysical Journal, 2021, 120, 45a. | 0.2 | 0 |
| 4 | 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. | 1.4 | 4 |
| 5 | 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. | 1.2 | 1 |
| 6 | Biophysical Analysis of Lipid Domains in Mammalian and Yeast Membranes by Fluorescence Spectroscopy. Methods in Molecular Biology, 2021, 2187, 247-269. | 0.4 | 2 |
| 7 | Biophysical Analysis of Lipid Domains by Fluorescence Microscopy. Methods in Molecular Biology, 2021, 2187, 223-245. | 0.4 | 2 |
| 8 | The role of ceramide in regulating endoplasmic reticulum function. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2020, 1865, 158489. | 1.2 | 29 |
| 9 | Sphingolipid metabolism and signaling: embracing diversity. FEBS Letters, 2020, 594, 3579-3582. | 1.3 | 4 |
| 10 | Canonical and 1-Deoxy(methyl) Sphingoid Bases: Tackling the Effect of the Lipid Structure on Membrane Biophysical Properties. Langmuir, 2020, 36, 6007-6016. | 1.6 | 5 |
| 11 | Lipid domain formation and membrane shaping by C24-ceramide. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183400. | 1.4 | 11 |
| 12 | Mammalian sphingoid bases: Biophysical, physiological and pathological properties. Progress in Lipid Research, 2019, 75, 100988. | 5.3 | 24 |
| 13 | Meeting Report â€“ The 2019 FEBS special meeting on sphingolipid biology: sphingolipids in physiology and pathology. Journal of Cell Science, 2019, 132, . | 1.2 | 1 |
| 14 | 1-Deoxysphingolipids. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2019, 1864, 512-521. | 1.2 | 69 |
| 15 | Ceramide Domains in Health and Disease: A Biophysical Perspective. Advances in Experimental Medicine and Biology, 2019, 1159, 79-108. | 0.8 | 11 |
| 16 | Functional Moieties for Intracellular Traffic of Nanomaterials. , 2018, , 399-448. | | 4 |
| 17 | N,Oâ€iminoboronates: Reversible Iminoboronates with Improved Stability for Cancer Cells Targeted Delivery. Chemistry - A European Journal, 2018, 24, 12495-12499. | 1.7 | 12 |
| 18 | Cisplatin-Membrane Interactions and Their Influence on Platinum Complexes Activity and Toxicity. Frontiers in Physiology, 2018, 9, 1898. | 1.3 | 78 |

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|---|---|---|---|
| 19 | Pathological levels of glucosylceramide change the biophysical properties of artificial and cell membranes. Physical Chemistry Chemical Physics, 2017, 19, 340-346. | 1.3 | 28 |
| 20 | The molecular mechanism of Nystatin action is dependent on the membrane biophysical properties and lipid composition. Physical Chemistry Chemical Physics, 2017, 19, 30078-30088. | 1.3 | 28 |
| 21 | Practical computational toolkits for dendrimers and dendrons structure design. Journal of Computer-Aided Molecular Design, 2017, 31, 817-827. | 1.3 | 8 |
| 22 | 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. | 2.1 | 9 |
| 23 | Changes in membrane biophysical properties induced by the Budesonide/Hydroxypropyl-Î²-cyclodextrin complex. Biochimica Et Biophysica Acta - Biomembranes, 2017, 1859, 1930-1940. | 1.4 | 17 |
| 24 | Development of lysosome-mimicking vesicles to study the effect of abnormal accumulation of sphingosine on membrane properties. Scientific Reports, 2017, 7, 3949. | 1.6 | 23 |
| 25 | Regulatory Development of Nanotechnology-Based Vaccines. , 2017, , 393-410. | | 5 |
| 26 | 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. | 3.3 | 15 |
| 27 | A Three-Component Assembly Promoted by Boronic Acids Delivers a Modular Fluorophore Platform (BASHY Dyes). Chemistry - A European Journal, 2016, 22, 1537-1537. | 1.7 | 0 |
| 28 | Spotlights on our sister journals: Chem. Eur. J. 44/2016. Chemistry - A European Journal, 2016, 22, 15564-15567. | 1.7 | 0 |
| 29 | A Threeâ€€Component Assembly Promoted by Boronic Acids Delivers a Modular Fluorophore Platform (BASHY Dyes). Chemistry - A European Journal, 2016, 22, 1631-1637. | 1.7 | 56 |
| 30 | Glucosylceramide Reorganizes Cholesterol-Containing Domains in a Fluid Phospholipid Membrane. Biophysical Journal, 2016, 110, 612-622. | 0.2 | 24 |
| 31 | Tackling the biophysical properties of sphingolipids to decipher their biological roles. Biological Chemistry, 2015, 396, 597-609. | 1.2 | 20 |
| 32 | Regulatory aspects on nanomedicines. Biochemical and Biophysical Research Communications, 2015, 468, 504-510. | 1.0 | 256 |
| 33 | Molecular Modeling to Study Dendrimers for Biomedical Applications. Molecules, 2014, 19, 20424-20467. | 1.7 | 66 |
| 34 | Development of functionalized nanoparticles for vaccine delivery to dendritic cells: a mechanistic approach. Nanomedicine, 2014, 9, 2639-2656. | 1.7 | 37 |
| 35 | Regulatory Aspects of Oncologicals: Nanosystems Main Challenges. Advances in Delivery Science and Technology, 2014, , 425-452. | 0.4 | 14 |
| 36 | Ceramide: A simple sphingolipid with unique biophysical properties. Progress in Lipid Research, 2014, 54, 53-67. | 5.3 | 290 |

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|---|---|---|---|
| 37 | Influence of Intracellular Membrane pH on Sphingolipid Organization and Membrane Biophysical Properties. Langmuir, 2014, 30, 4094-4104. | 1.6 | 12 |
| 38 | Biophysical Implications of Sphingosine Accumulation in Membrane Properties at Neutral and Acidic pH. Journal of Physical Chemistry B, 2014, 118, 4858-4866. | 1.2 | 19 |
| 39 | Changes in membrane biophysical properties induced by sphingomyelinase depend on the sphingolipid N-acyl chain. Journal of Lipid Research, 2014, 55, 53-61. | 2.0 | 51 |
| 40 | Cancer immunotherapy: nanodelivery approaches for immune cell targeting and tracking. Frontiers in Chemistry, 2014, 2, 105. | 1.8 | 147 |
| 41 | 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. | 1.4 | 38 |
| 42 | Effect of glucosylceramide on the biophysical properties of fluid membranes. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 1122-1130. | 1.4 | 32 |
| 43 | Ablation of ceramide synthase 2 strongly affects biophysical properties of membranes. Journal of Lipid Research, 2012, 53, 430-436. | 2.0 | 62 |
| 44 | Methylation of glycosylated sphingolipid modulates membrane lipid topography and pathogenicity of Cryptococcus neoformans. Cellular Microbiology, 2012, 14, 500-516. | 1.1 | 67 |
| 45 | 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. | 1.4 | 172 |
| 46 | A Critical Role for Ceramide Synthase 2 in Liver Homeostasis. Journal of Biological Chemistry, 2010, 285, 10902-10910. | 1.6 | 213 |
| 47 | Cholesterol-Rich Fluid Membranes Solubilize Ceramide Gel Domains. Implications for the Organization of Mammalian Membranes. Biophysical Journal, 2010, 98, 230a. | 0.2 | 1 |
| 48 | Lipid Raft Composition Modulates Sphingomyelinase Activity and Ceramide-Induced Membrane Physical Alterations. Biophysical Journal, 2010, 98, 205a. | 0.2 | 0 |
| 49 | Cholesterol-rich Fluid Membranes Solubilize Ceramide Domains. Journal of Biological Chemistry, 2009, 284, 22978-22987. | 1.6 | 127 |
| 50 | FRET analysis of domain formation and properties in complex membrane systems. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 209-224. | 1.4 | 46 |
| 51 | Lipid Raft Composition Modulates Sphingomyelinase Activity and Ceramide-Induced Membrane Physical Alterations. Biophysical Journal, 2009, 96, 3210-3222. | 0.2 | 87 |
| 52 | Interdigitation, Domains and Morphology, in Membranes of the Chain Asymmetric C24:1 Ceramide. Biophysical Journal, 2009, 96, 355a. | 0.2 | 0 |
| 53 | Interactions of Ceramide and Sphingomyelin Quantified in Mixtures with an Unsaturated Phosphatidylcholine. Biophysical Journal, 2009, 96, 355a-356a. | 0.2 | 0 |
| 54 | Membrane Domain Formation, Interdigitation, and Morphological Alterations Induced by the Very Long Chain Asymmetric C24:1 Ceramide. Biophysical Journal, 2008, 95, 2867-2879. | 0.2 | 104 |

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|---|---|---|---|
| 55 | Ceramide-containing membranes: the interface between biophysics and biology. Trends in Glycoscience and Glycotechnology, 2008, 20, 297-313. | 0.0 | 8 |
| 56 | Ceramide-Domain Formation and Collapse in Lipid Rafts: Membrane Reorganization by an Apoptotic Lipid. Biophysical Journal, 2007, 92, 502-516. | 0.2 | 169 |
| 57 | Formation of Ceramide/Sphingomyelin Gel Domains in the Presence of an Unsaturated Phospholipid: A Quantitative Multiprobe Approach. Biophysical Journal, 2007, 93, 1639-1650. | 0.2 | 118 |
| 58 | Ceramide-platform formation and -induced biophysical changes in a fluid phospholipid membrane. Molecular Membrane Biology, 2006, 23, 137-148. | 2.0 | 119 |
| 59 | Competitive Binding of Cholesterol and Ergosterol to the Polyene Antibiotic Nystatin. A Fluorescence Study. Biophysical Journal, 2006, 90, 3625-3631. | 0.2 | 47 |
| 60 | Nystatin-induced lipid vesicles permeabilization is strongly dependent on sterol structure. Biochimica Et Biophysica Acta - Biomembranes, 2006, 1758, 452-459. | 1.4 | 31 |
| 61 | Cholesterol and Ergosterol Influence Nystatin Surface Aggregation: Relation to Pore Formation. Biophysical Journal, 2004, 87, 3264-3276. | 0.2 | 59 |
| 62 | 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. | 1.7 | 3 |
| 63 | Conformation and self-assembly of a nystatin nitrobenzoxadiazole derivative in lipid membranes. Biochimica Et Biophysica Acta - Biomembranes, 2003, 1617, 69-79. | 1.4 | 9 |