Rodrigo F M De Almeida

List of Publications by Year
in descending order

54 papers	3,442 citations	186265 28 h-index	161849 54 g-index
54 all docs	54 docs citations	54 times ranked	3625 citing authors

#	Article	IF	Citations
1	Sphingomyelin/Phosphatidylcholine/Cholesterol Phase Diagram: Boundaries and Composition of Lipid Rafts. Biophysical Journal, 2003, 85, 2406-2416.	0.5	796
2	Lipid Rafts have Different Sizes Depending on Membrane Composition: A Time-resolved Fluorescence Resonance Energy Transfer Study. Journal of Molecular Biology, 2005, 346, 1109-1120.	4.2	288
3	Ceramide-Domain Formation and Collapse in Lipid Rafts: Membrane Reorganization by an Apoptotic Lipid. Biophysical Journal, 2007, 92, 502-516.	0.5	169
4	Sphingomyelin and sphingomyelin synthase (SMS) in the malignant transformation of glioma cells and in 2-hydroxyoleic acid therapy. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 19569-19574.	7.1	142
5	Cholesterol-rich Fluid Membranes Solubilize Ceramide Domains. Journal of Biological Chemistry, 2009, 284, 22978-22987.	3.4	127
6	Complexity of Lipid Domains and Rafts in Giant Unilamellar Vesicles Revealed by Combining Imaging and Microscopic and Macroscopic Time-Resolved Fluorescence. Biophysical Journal, 2007, 93, 539-553.	0.5	125
7	Membrane lipid domains and rafts: current applications of fluorescence lifetime spectroscopy and imaging. Chemistry and Physics of Lipids, 2009, 157, 61-77.	3.2	125
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	Gel Domains in the Plasma Membrane of Saccharomyces cerevisiae. Journal of Biological Chemistry, 2011, 286, 5043-5054.	3.4	94
12	Screening organometallic binuclear thiosemicarbazone ruthenium complexes as potential anti-tumour agents: cytotoxic activity and human serum albumin binding mechanism. Dalton Transactions, 2013, 42, 7131.	3.3	83
13	Nonequilibrium Phenomena in the Phase Separation of a Two-Component Lipid Bilayer. Biophysical Journal, 2002, 82, 823-834.	0.5	76
14	Lateral Distribution of the Transmembrane Domain of Influenza Virus Hemagglutinin Revealed by Time-resolved Fluorescence Imaging. Journal of Biological Chemistry, 2009, 284, 15708-15716.	3.4	73
15	[RuII(Î·5-C5H5)(bipy)(PPh3)]+, a promising large spectrum antitumor agent: Cytotoxic activity and interaction with human serum albumin. Journal of Inorganic Biochemistry, 2012, 117, 261-269.	3.5	72
16	Modulation of plasma membrane lipid profile and microdomains by H2O2 in Saccharomyces cerevisiae. Free Radical Biology and Medicine, 2009, 46, 289-298.	2.9	49
17	Ethanol effects on binary and ternary supported lipid bilayers with gel/fluid domains and lipid rafts. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 405-414.	2.6	49
18	Cholesterol Modulates the Organization of the Î³M4 Transmembrane Domain of the Muscle Nicotinic Acetylcholine Receptor. Biophysical Journal, 2004, 86, 2261-2272.	0.5	46

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19	FRET analysis of domain formation and properties in complex membrane systems. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 209-224.	2.6	46
20	Sphingolipid hydroxylation in mammals, yeast and plants â€“ An integrated view. Progress in Lipid Research, 2018, 71, 18-42.	11.6	45
21	Differential targeting of membrane lipid domains by caffeic acid and its ester derivatives. Free Radical Biology and Medicine, 2018, 115, 232-245.	2.9	42
22	Crystallization around solid-like nanosized docks can explain the specificity, diversity, and stability of membrane microdomains. Frontiers in Plant Science, 2014, 5, 72.	3.6	41
23	The role of membrane fatty acid remodeling in the antitumor mechanism of action of 2-hydroxyoleic acid. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 1405-1413.	2.6	39
24	Interaction of peptides with binary phospholipid membranes: application of fluorescence methodologies. Chemistry and Physics of Lipids, 2003, 122, 77-96.	3.2	34
25	Biomimetic membrane rafts stably supported on unmodified gold. Soft Matter, 2012, 8, 2007-2016.	2.7	30
26	The photophysics of a Rhodamine head labeled phospholipid in the identification and characterization of membrane lipid phases. Chemistry and Physics of Lipids, 2012, 165, 311-319.	3.2	30
27	Detection and Characterization of Membrane Microheterogeneity by Resonance Energy Transfer. Journal of Fluorescence, 2001, 11, 197-209.	2.5	29
28	Structural and Dynamic Characterization of the Interaction of the Putative Fusion Peptide of the S2 SARS-CoV Virus Protein with Lipid Membranes. Journal of Physical Chemistry B, 2008, 112, 6997-7007.	2.6	29
29	Applications of Fluorescence Lifetime Spectroscopy and Imaging to Lipid Domains In Vivo. Methods in Enzymology, 2012, 504, 57-81.	1.0	28
30	Quercetin dual interaction at the membrane level. Chemical Communications, 2019, 55, 1750-1753.	4.1	27
31	Is There a Preferential Interaction between Cholesterol and Tryptophan Residues in Membrane Proteins?. Biochemistry, 2008, 47, 2638-2649.	2.5	26
32	Biophysical properties of ergosterol-enriched lipid rafts in yeast and tools for their study: characterization of ergosterol/phosphatidylcholine membranes with three fluorescent membrane probes. Chemistry and Physics of Lipids, 2012, 165, 577-588.	3.2	26
33	Changes in Membrane Organization upon Spontaneous Insertion of 2-Hydroxylated Unsaturated Fatty Acids in the Lipid Bilayer. Langmuir, 2014, 30, 2117-2128.	3.5	26
34	Organization and Dynamics of Fas Transmembrane Domain in Raft Membranes and Modulation by Ceramide. Biophysical Journal, 2011, 101, 1632-1641.	0.5	23
35	Studies on the mechanism of action of antitumor bis(aminophenolate) ruthenium(III) complexes. Journal of Inorganic Biochemistry, 2017, 168, 27-37.	3.5	23
36	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

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37	Structure and dynamics of the Î³M4 transmembrane domain of the acetylcholine receptor in lipid bilayers: insights into receptor assembly and function. Molecular Membrane Biology, 2006, 23, 305-315.	2.0	21
38	The extracellular matrix modulates H2O2 degradation and redox signaling in endothelial cells. Redox Biology, 2015, 6, 454-460.	9.0	21
39	Formation and Properties of Membrane-Ordered Domains by Phytoceramide: Role of Sphingoid Base Hydroxylation. Langmuir, 2015, 31, 9410-9421.	3.5	20
40	Liquid-Ordered Phase Formation by Mammalian and Yeast Sterols: A Common Feature With Organizational Differences. Frontiers in Cell and Developmental Biology, 2020, 8, 337.	3.7	20
41	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
42	Sphingolipidâ€enriched domains in fungi. FEBS Letters, 2020, 594, 3698-3718.	2.8	19
43	A Biomimetic Platform to Study the Interactions of Bioelectroactive Molecules with Lipid Nanodomains. Langmuir, 2014, 30, 12627-12637.	3.5	16
44	Interaction with Blood Proteins of a Ruthenium(II) Nitrofuryl Semicarbazone Complex: Effect on the Antitumoral Activity. Molecules, 2019, 24, 2861.	3.8	15
45	Reorganization of plasma membrane lipid domains during conidial germination. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2017, 1862, 156-166.	2.4	12
46	C-Glucosylation as a tool for the prevention of PAINS-induced membrane dipole potential alterations. Scientific Reports, 2021, 11, 4443.	3.3	12
47	Changes in the Biophysical Properties of the Cell Membrane Are Involved in the Response of Neurospora crassa to Staurosporine. Frontiers in Physiology, 2018, 9, 1375.	2.8	10
48	A route to understanding yeast cellular envelope â€" plasma membrane lipids interplaying in cell wall integrity. FEBS Journal, 2018, 285, 2402-2404.	4.7	10
49	Interaction of a peptide corresponding to the loop domain of the S2 SARS-CoV virus protein with model membranes. Molecular Membrane Biology, 2009, 26, 236-248.	2.0	9
50	Yeast Sphingolipid-Enriched Domains and Membrane Compartments in the Absence of Mannosyldiinositolphosphorylceramide. Biomolecules, 2020, 10, 871.	4.0	9
51	Application of Fluorescence to Understand the Interaction of Peptides with Binary Lipid Membranes. Reviews in Fluorescence, 2005, , 271-323.	0.5	2
52	Biophysical Analysis of Lipid Domains in Mammalian and Yeast Membranes by Fluorescence Spectroscopy. Methods in Molecular Biology, 2021, 2187, 247-269.	0.9	2
53	Biophysical Analysis of Lipid Domains by Fluorescence Microscopy. Methods in Molecular Biology, 2021, 2187, 223-245.	0.9	2
54	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