Jesus Sot

List of Publications by Year
in descending order

56 papers	1,900 citations	236925 25 h-index	265206 42 g-index
58 all docs	58 docs citations	58 times ranked	2296 citing authors

#	Article	IF	Citations
1	Detergent-Resistant, Ceramide-Enriched Domains in Sphingomyelin/Ceramide Bilayers. Biophysical Journal, 2006, 90, 903-914.	0.5	141
2	Different Effects of Long- and Short-Chain Ceramides on the Gel-Fluid and Lamellar-Hexagonal Transitions of Phospholipids: A Calorimetric, NMR, and X-Ray Diffraction Study. Biophysical Journal, 2005, 88, 3368-3380.	0.5	102
3	Cholesterol displacement by ceramide in sphingomyelinâ€containing liquidâ€ordered domains, and generation of gel regions in giant lipidic vesicles. FEBS Letters, 2008, 582, 3230-3236.	2.8	96
4	Molecular associations and surface-active properties of short- and long-N-acyl chain ceramides. Biochimica Et Biophysica Acta - Biomembranes, 2005, 1711, 12-19.	2.6	79
5	Dihydrosphingomyelin Impairs HIV-1 Infection by Rigidifying Liquid-Ordered Membrane Domains. Chemistry and Biology, 2010, 17, 766-775.	6.0	76
6	Triton X-100-Resistant Bilayers:Â Effect of Lipid Composition and Relevance to the Raft Phenomenon. Langmuir, 2002, 18, 2828-2835.	3.5	74
7	Sphingomyelin organization is required for vesicle biogenesis at the Golgi complex. EMBO Journal, 2012, 31, 4535-4546.	7.8	74
8	A Trp-BODIPY cyclic peptide for fluorescence labelling of apoptotic bodies. Chemical Communications, 2017, 53, 945-948.	4.1	67
9	Sphingosine Increases the Permeability of Model and Cell Membranes. Biophysical Journal, 2006, 90, 4085-4092.	0.5	65
10	Coexistence of Immiscible Mixtures of Palmitoylsphingomyelin and Palmitoylceramide in Monolayers and Bilayers. Biophysical Journal, 2009, 97, 2717-2726.	0.5	59
11	Lipid bilayers containing sphingomyelins and ceramides of varying N-acyl lengths: A glimpse into sphingolipid complexity. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 456-464.	2.6	56
12	Ceramide-Enriched Membrane Domains in Red Blood Cells and the Mechanism of Sphingomyelinase-Induced Hotâ˘'Cold Hemolysis. Biochemistry, 2008, 47, 11222-11230.	2.5	55
13	Model Systems of Precursor Cellular Membranes: Long-Chain Alcohols Stabilize Spontaneously Formed Oleic Acid Vesicles. Biophysical Journal, 2012, 102, 278-286.	0.5	52
14	Biophysics (and sociology) of ceramides.. Biochemical Society Symposia, 2005, 72, 177-188.	2.7	51
15	Triton X-100 Partitioning into Sphingomyelin Bilayers at Subsolubilizing Detergent Concentrations: Effect of Lipid Phase and a Comparison with Dipalmitoylphosphatidylcholine. Biophysical Journal, 2007, 93, 3504-3514.	0.5	46
16	A fluorogenic cyclic peptide for imaging and quantification of drug-induced apoptosis. Nature Communications, 2020, 11, 4027.	12.8	45
17	Biophysical properties of sphingosine, ceramides and other simple sphingolipids. Biochemical Society Transactions, 2014, 42, 1401-1408.	3.4	44
18	N-Nervonoylsphingomyelin (C24:1) Prevents Lateral Heterogeneity in Cholesterol-Containing Membranes. Biophysical Journal, 2014, 106, 2606-2616.	0.5	44

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19	Biophysical Properties of Novel 1-Deoxy-(Dihydro)ceramides Occurring in Mammalian Cells. Biophysical Journal, 2014, 107, 2850-2859.	0.5	42
20	Membrane Organization and Ionization Behavior of the Minor but Crucial Lipid Ceramide-1-Phosphate. Biophysical Journal, 2008, 94, 4320-4330.	0.5	41
21	Cholesterol Displaces Palmitoylceramide from Its Tight Packing with Palmitoylsphingomyelin in the Absence of a Liquid-Disordered Phase. Biophysical Journal, 2010, 99, 1119-1128.	0.5	41
22	Lamellar Gel (LÎ²) Phases of Ternary Lipid Composition Containing Ceramide and Cholesterol. Biophysical Journal, 2014, 106, 621-630.	0.5	41
23	Sphingosine-1-Phosphate as an Amphipathic Metabolite: Its Properties in Aqueous and Membrane Environments. Biophysical Journal, 2009, 97, 1398-1407.	0.5	30
24	The extent of protein hydration dictates the preference for heterogeneous or homogeneous nucleation generating either parallel or antiparallel Î²-sheet Î±-synuclein aggregates. Chemical Science, 2020, 11, 11902-11914.	7.4	30
25	Surface-active properties of the antitumour ether lipid 1-O-octadecyl-2-O-methyl-rac-glycero-3-phosphocholine (edelfosine). Biochimica Et Biophysica Acta - Biomembranes, 2007, 1768, 1855-1860.	2.6	28
26	Ether- versus Ester-Linked Phospholipid Bilayers Containing either Linear or Branched Apolar Chains. Biophysical Journal, 2014, 107, 1364-1374.	0.5	27
27	The fatty acids of sphingomyelins and ceramides in mammalian tissues and cultured cells: Biophysical and physiological implications. Chemistry and Physics of Lipids, 2018, 217, 29-34.	3.2	26
28	Pb(II) Induces Scramblase Activation and Ceramide-Domain Generation in Red Blood Cells. Scientific Reports, 2018, 8, 7456.	3.3	26
29	Electroformation of Giant Unilamellar Vesicles from Native Membranes and Organic Lipid Mixtures for the Study of Lipid Domains under Physiological Ionic-Strength Conditions. Methods in Molecular Biology, 2010, 606, 105-114.	0.9	25
30	Identification of a Membrane-bound Prepore Species Clarifies the Lytic Mechanism of Actinoporins. Journal of Biological Chemistry, 2016, 291, 19210-19219.	3.4	23
31	Interaction of Clostridium perfringens epsilon-toxin with biological and model membranes: A putative protein receptor in cells. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 797-804.	2.6	22
32	Membrane Permeabilization Induced by Sphingosine: Effect of Negatively Charged Lipids. Biophysical Journal, 2014, 106, 2577-2584.	0.5	21
33	Ceramide-Induced Lamellar Gel Phases in Fluid Cell Lipid Extracts. Langmuir, 2016, 32, 9053-9063.	3.5	20
34	Coating Graphene Oxide with Lipid Bilayers Greatly Decreases Its Hemolytic Properties. Langmuir, 2017, 33, 8181-8191.	3.5	20
35	Cholesterolâ€"Ceramide Interactions in Phospholipid and Sphingolipid Bilayers As Observed by Positron Annihilation Lifetime Spectroscopy and Molecular Dynamics Simulations. Langmuir, 2016, 32, 5434-5444.	3.5	17
36	Complex Effects of 24:1 Sphingolipids in Membranes Containing Dioleoylphosphatidylcholine and Cholesterol. Langmuir, 2017, 33, 5545-5554.	3.5	17

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37	Omega-3 polyunsaturated fatty acids do not fluidify bilayers in the liquid-crystalline state. Scientific Reports, 2018, 8, 16240.	3.3	17
38	Type I phosphatidylinositol 4â€phosphate 5â€kinase homoâ€•and heterodimerization determines its membrane localization and activity. FASEB Journal, 2015, 29, 2371-2385.	0.5	15
39	Fast and slow biomembrane solubilizing detergents: Insights into their mechanism of action. Colloids and Surfaces B: Biointerfaces, 2019, 183, 110430.	5.0	14
40	Imaging the early stages of phospholipase C/sphingomyelinase activity on vesicles containing coexisting ordered-disordered and gel-fluid domains. Journal of Lipid Research, 2011, 52, 635-645.	4.2	13
41	High-Melting Lipid Mixtures and the Origin of Detergent-Resistant Membranes Studied with Temperature-Solubilization Diagrams. Biophysical Journal, 2014, 107, 2828-2837.	0.5	11
42	Alkanes are not innocuous vehicles for hydrophobic reagents in membrane studies. Chemistry and Physics of Lipids, 2006, 139, 107-114.	3.2	10
43	Phase-selective staining of model and cell membranes, lipid droplets and lipoproteins with fluorescent solvatochromic pyrene probes. Biochimica Et Biophysica Acta - Biomembranes, 2021, 1863, 183470.	2.6	10
44	End-Product Diacylglycerol Enhances the Activity of PI-PLC through Changes in Membrane Domain Structure. Biophysical Journal, 2015, 108, 1672-1682.	0.5	9
45	C24:0 and C24:1 sphingolipids in cholesterol-containing, five- and six-component lipid membranes. Scientific Reports, 2020, 10, 14085.	3.3	9
46	Fluorescent Polyene Ceramide Analogues as Membrane Probes. Langmuir, 2015, 31, 2484-2492.	3.5	8
47	Erythrocyte Membrane Nanomechanical Rigidity Is Decreased in Obese Patients. International Journal of Molecular Sciences, 2022, 23, 1920.	4.1	8
48	Recruitment of a phospholipase C/sphingomyelinase into non-lamellar lipid droplets during hydrolysis of lipid bilayers. Chemistry and Physics of Lipids, 2013, 166, 12-17.	3.2	7
49	Histones and DNA Compete for Binding Polyphosphoinositides in Bilayers. Biophysical Journal, 2014, 106, 1092-1100.	0.5	7
50	Histones Cause Aggregation and Fusion of Lipid Vesicles Containing Phosphatidylinositol-4-Phosphate. Biophysical Journal, 2015, 108, 863-871.	0.5	7
51	Clearly Detectable, Kinetically Restricted Solidâ€"Solid Phase Transition in cis-Ceramide Monolayers. Langmuir, 2018, 34, 11749-11758.	3.5	6
52	The onset of Triton X-100 solubilization of sphingomyelin/ceramide bilayers: effects of temperature and composition. Chemistry and Physics of Lipids, 2013, 167-168, 57-61.	3.2	5
53	The interaction of lipid-liganded gold clusters (Aurora â„¢) with lipid bilayers. Chemistry and Physics of Lipids, 2019, 218, 40-46.	3.2	5
54	Characterization of monolayers and liposomes that mimic lipid composition of HeLa cells. Colloids and Surfaces B: Biointerfaces, 2020, 196, 111288.	5.0	5

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55	Engineering and development of model lipid membranes mimicking the HeLa cell membrane. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 630, 127663.	4.7	5
56	Calcium inhibits diacylglycerol uptake by serum albumin. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 701-707.	2.6	3