Joseph Lorent

List of Publications by Year
in descending order

31 papers	1,614 citations	686830 13 h-index	713013 21 g-index
34 all docs	34 docs citations	34 times ranked	2190 citing authors

#	Article	IF	Citations
1	Multifaceted Activities of Seven Nanobodies against Complement C4b. Journal of Immunology, 2022, 208, 2207-2219.	0.4	5
2	Shortening of membrane lipid acyl chains compensates for phosphatidylcholine deficiency in cholineâ€auxotroph yeast. EMBO Journal, 2021, 40, e107966.	3.5	12
3	Lipid Membranes as Key Targets for the Pharmacological Actions of Ginsenosides. Frontiers in Pharmacology, 2020, 11, 576887.	1.6	10
4	Structural Modifications Controlling Membrane Raft Partitioning and Curvature in Human and Viral Proteins. Journal of Physical Chemistry B, 2020, 124, 7574-7585.	1.2	11
5	Plasma membranes are asymmetric in lipid unsaturation, packing and protein shape. Nature Chemical Biology, 2020, 16, 644-652.	3.9	414
6	Myelin-Associated MAL and PLP Are Unusual among Multipass Transmembrane Proteins in Preferring Ordered Membrane Domains. Journal of Physical Chemistry B, 2020, 124, 5930-5939.	1.2	21
7	Mode of action of teixobactins in cellular membranes. Nature Communications, 2020, 11, 2848.	5.8	57
8	Effects of Cold Atmospheric Plasmas on Membranes. Biophysical Journal, 2020, 118, 235a.	0.2	0
9	Plasma Membrane Packing Asymmetry Drives Transmembrane Protein Localization. Biophysical Journal, 2020, 118, 90a.	0.2	0
10	Phosphatidylserine (PS) Externalization Facilitates Membrane Vesiculation through Decreasing Membrane Stiffness. Biophysical Journal, 2019, 116, 93a.	0.2	0
11	Pathways and Molecular Mechanisms of Microdomain-Dependent Membrane Trafficking. Biophysical Journal, 2019, 116, 218a-219a.	0.2	0
12	Lipid Phase Asymmetry in Mammalian Bilayer Membranes. Biophysical Journal, 2019, 116, 225a.	0.2	0
13	All Atom Simulations of the Inner and Outer Leaflet of the Erythrocyte Plasma Membrane. Biophysical Journal, 2019, 116, 89a.	0.2	0
14	The Biophysical Asymmetry of Mammalian Plasma Membranes. Biophysical Journal, 2018, 114, 550a-551a.	0.2	0
15	Structural Determinants and Functional Consequences of Protein Association with Membrane Domains. Biophysical Journal, 2018, 114, 380a.	0.2	2
16	Oligomerization and Raft Partitioning Increase Plasma Membrane Localization of Transmembrane Proteins. Biophysical Journal, 2017, 112, 505a.	0.2	0
17	Structural determinants and functional consequences of protein affinity for membrane rafts. Nature Communications, 2017, 8, 1219.	5.8	231
18	Ï‰-3 polyunsaturated fatty acids direct differentiation of the membrane phenotype in mesenchymal stem cells to potentiate osteogenesis. Science Advances, 2017, 3, eaao1193.	4.7	105

#	Article	IF	Citations
19	Dietary Fats Remodel Plasma Membrane Lipidome and Physical Properties to Regulate Phase Separation in Biological Membranes. Biophysical Journal, 2016, 110, 584a.	0.2	0
20	Order Differences between Coexisting Liquid Phases Driven by Lipid Unsaturation Determine Phase Separation in Biomimetic Membranes. Biophysical Journal, 2016, 110, 71a.	0.2	0
21	Polyunsaturated Lipids Regulate Membrane Domain Stability by Tuning Membrane Order. Biophysical Journal, 2016, 110, 1800-1810.	0.2	155
22	Î±-Hederin Induces Apoptosis, Membrane Permeabilization and Morphologic Changes in Two Cancer Cell Lines Through a Cholesterol-Dependent Mechanism. Planta Medica, 2016, 82, 1532-1539.	0.7	30
23	Domain Stability in Biomimetic Membranes Driven by Lipid Polyunsaturation. Journal of Physical Chemistry B, 2016, 120, 11930-11941.	1.2	52
24	Structural Determinants of Raft Partitioning for Single-Pass Transmembrane Proteins. Biophysical Journal, 2016, 110, 205a.	0.2	1
25	Structural determinants of protein partitioning into ordered membrane domains and lipid rafts. Chemistry and Physics of Lipids, 2015, 192, 23-32.	1.5	136
26	Elucidation of a Raft-Partitioning Motif in Transmembrane Proteins. Biophysical Journal, 2015, 108, 556a.	0.2	0
27	The amphiphilic nature of saponins and their effects on artificial and biological membranes and potential consequences for red blood and cancer cells. Organic and Biomolecular Chemistry, 2014, 12, 8803-8822.	1.5	172
28	Domain Formation and Permeabilization Induced by the Saponin Î±-Hederin and Its Aglycone Hederagenin in a Cholesterol-Containing Bilayer. Langmuir, 2014, 30, 4556-4569.	1.6	42
29	Effects of surfactin on membrane models displaying lipid phase separation. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 801-815.	1.4	88
30	Induction of Highly Curved Structures in Relation to Membrane Permeabilization and Budding by the Triterpenoid Saponins, Î±- and Î´-Hederin. Journal of Biological Chemistry, 2013, 288, 14000-14017.	1.6	55
31	The Action of Alpha Hederin, a Triperpenoid Saponin, on Membranes. Biophysical Journal, 2012, 102, 85a.	0.2	0