

Joseph Lorent

List of Publications by Year in descending order

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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	Plasma membranes are asymmetric in lipid unsaturation, packing and protein shape. <i>Nature Chemical Biology</i> , 2020, 16, 644-652.	3.9	414
2	Structural determinants and functional consequences of protein affinity for membrane rafts. <i>Nature Communications</i> , 2017, 8, 1219.	5.8	231
3	The amphiphilic nature of saponins and their effects on artificial and biological membranes and potential consequences for red blood and cancer cells. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 8803-8822.	1.5	172
4	Polyunsaturated Lipids Regulate Membrane Domain Stability by Tuning Membrane Order. <i>Biophysical Journal</i> , 2016, 110, 1800-1810.	0.2	155
5	Structural determinants of protein partitioning into ordered membrane domains and lipid rafts. <i>Chemistry and Physics of Lipids</i> , 2015, 192, 23-32.	1.5	136
6	ω -3 polyunsaturated fatty acids direct differentiation of the membrane phenotype in mesenchymal stem cells to potentiate osteogenesis. <i>Science Advances</i> , 2017, 3, eaao1193.	4.7	105
7	Effects of surfactin on membrane models displaying lipid phase separation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 801-815.	1.4	88
8	Mode of action of teixobactins in cellular membranes. <i>Nature Communications</i> , 2020, 11, 2848.	5.8	57
9	Induction of Highly Curved Structures in Relation to Membrane Permeabilization and Budding by the Triterpenoid Saponins, $\hat{\pm}$ - and $\hat{\pm}$ -Hederin. <i>Journal of Biological Chemistry</i> , 2013, 288, 14000-14017.	1.6	55
10	Domain Stability in Biomimetic Membranes Driven by Lipid Polyunsaturation. <i>Journal of Physical Chemistry B</i> , 2016, 120, 11930-11941.	1.2	52
11	Domain Formation and Permeabilization Induced by the Saponin $\hat{\pm}$ -Hederin and Its Aglycone Hederagenin in a Cholesterol-Containing Bilayer. <i>Langmuir</i> , 2014, 30, 4556-4569.	1.6	42
12	$\hat{\pm}$ -Hederin Induces Apoptosis, Membrane Permeabilization and Morphologic Changes in Two Cancer Cell Lines Through a Cholesterol-Dependent Mechanism. <i>Planta Medica</i> , 2016, 82, 1532-1539.	0.7	30
13	Myelin-Associated MAL and PLP Are Unusual among Multipass Transmembrane Proteins in Preferring Ordered Membrane Domains. <i>Journal of Physical Chemistry B</i> , 2020, 124, 5930-5939.	1.2	21
14	Shortening of membrane lipid acyl chains compensates for phosphatidylcholine deficiency in choline auxotroph yeast. <i>EMBO Journal</i> , 2021, 40, e107966.	3.5	12
15	Structural Modifications Controlling Membrane Raft Partitioning and Curvature in Human and Viral Proteins. <i>Journal of Physical Chemistry B</i> , 2020, 124, 7574-7585.	1.2	11
16	Lipid Membranes as Key Targets for the Pharmacological Actions of Ginsenosides. <i>Frontiers in Pharmacology</i> , 2020, 11, 576887.	1.6	10
17	Multifaceted Activities of Seven Nanobodies against Complement C4b. <i>Journal of Immunology</i> , 2022, 208, 2207-2219.	0.4	5
18	Structural Determinants and Functional Consequences of Protein Association with Membrane Domains. <i>Biophysical Journal</i> , 2018, 114, 380a.	0.2	2

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19	Structural Determinants of Raft Partitioning for Single-Pass Transmembrane Proteins. Biophysical Journal, 2016, 110, 205a.	0.2	1
20	The Action of Alpha Hederin, a Triperpenoid Saponin, on Membranes. Biophysical Journal, 2012, 102, 85a.	0.2	0
21	Elucidation of a Raft-Partitioning Motif in Transmembrane Proteins. Biophysical Journal, 2015, 108, 556a.	0.2	0
22	Dietary Fats Remodel Plasma Membrane Lipidome and Physical Properties to Regulate Phase Separation in Biological Membranes. Biophysical Journal, 2016, 110, 584a.	0.2	0
23	Order Differences between Coexisting Liquid Phases Driven by Lipid Unsaturation Determine Phase Separation in Biomimetic Membranes. Biophysical Journal, 2016, 110, 71a.	0.2	0
24	Oligomerization and Raft Partitioning Increase Plasma Membrane Localization of Transmembrane Proteins. Biophysical Journal, 2017, 112, 505a.	0.2	0
25	The Biophysical Asymmetry of Mammalian Plasma Membranes. Biophysical Journal, 2018, 114, 550a-551a.	0.2	0
26	Phosphatidylserine (PS) Externalization Facilitates Membrane Vesiculation through Decreasing Membrane Stiffness. Biophysical Journal, 2019, 116, 93a.	0.2	0
27	Pathways and Molecular Mechanisms of Microdomain-Dependent Membrane Trafficking. Biophysical Journal, 2019, 116, 218a-219a.	0.2	0
28	Lipid Phase Asymmetry in Mammalian Bilayer Membranes. Biophysical Journal, 2019, 116, 225a.	0.2	0
29	All Atom Simulations of the Inner and Outer Leaflet of the Erythrocyte Plasma Membrane. Biophysical Journal, 2019, 116, 89a.	0.2	0
30	Effects of Cold Atmospheric Plasmas on Membranes. Biophysical Journal, 2020, 118, 235a.	0.2	0
31	Plasma Membrane Packing Asymmetry Drives Transmembrane Protein Localization. Biophysical Journal, 2020, 118, 90a.	0.2	0