

Romain Gautier

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

3,288
citations

394421
19
h-index

677142
22
g-index

25
all docs

25
docs citations

25
times ranked

4799
citing authors

#	ARTICLE	IF	CITATIONS
1	HELIQUEST: a web server to screen sequences with specific α -helical properties. Bioinformatics, 2008, 24, 2101-2102.	4.1	928
2	A general amphipathic α -helical motif for sensing membrane curvature. Nature Structural and Molecular Biology, 2007, 14, 138-146.	8.2	526
3	Polyunsaturated phospholipids facilitate membrane deformation and fission by endocytic proteins. Science, 2014, 345, 693-697.	12.6	291
4	A sub-nanometre view of how membrane curvature and composition modulate lipid packing and protein recruitment. Nature Communications, 2014, 5, 4916.	12.8	230
5	The Ubiquitous Distribution of Late Embryogenesis Abundant Proteins across Cell Compartments in <i>Arabidopsis</i> Offers Tailored Protection against Abiotic Stress. Plant Cell, 2014, 26, 3148-3166.	6.6	179
6	Amphipathic Lipid Packing Sensor Motifs: Probing Bilayer Defects with Hydrophobic Residues. Biophysical Journal, 2013, 104, 575-584.	0.5	171
7	Conical Lipids in Flat Bilayers Induce Packing Defects Similar to that Induced by Positive Curvature. Biophysical Journal, 2013, 104, 585-593.	0.5	149
8	A Hidden Markov Model Derived Structural Alphabet for Proteins. Journal of Molecular Biology, 2004, 339, 591-605.	4.2	137
9	Acyl chain asymmetry and polyunsaturation of brain phospholipids facilitate membrane vesiculation without leakage. ELife, 2018, 7, .	6.0	111
10	Interdigitation between Triglycerides and Lipids Modulates Surface Properties of Lipid Droplets. Biophysical Journal, 2017, 112, 1417-1430.	0.5	102
11	Kinetic Studies of the Arf Activator Arno on Model Membranes in the Presence of Arf Effectors Suggest Control by a Positive Feedback Loop. Journal of Biological Chemistry, 2011, 286, 3873-3883.	3.4	70
12	Kritâ€f1 interactions with microtubules and membranes are regulated by Rap1 and integrin cytoplasmic domain associated proteinâ€f1. FEBS Journal, 2007, 274, 5518-5532.	4.7	68
13	PackMem: A Versatile Tool to Compute and Visualize Interfacial Packing Defects in Lipid Bilayers. Biophysical Journal, 2018, 115, 436-444.	0.5	57
14	A filter at the entrance of the Golgi that selects vesicles according to size and bulk lipid composition. ELife, 2016, 5, .	6.0	57
15	Methyl-branched lipids promote the membrane adsorption of α -synuclein by enhancing shallow lipid-packing defects. Physical Chemistry Chemical Physics, 2015, 17, 15589-15597.	2.8	42
16	Amphipathic-Lipid-Packing-Sensor interactions with lipids assessed by atomistic molecular dynamics. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 2119-2127.	2.6	35
17	An electrostatic switching mechanism to control the lipid transfer activity of Osh6p. Nature Communications, 2019, 10, 3926.	12.8	32
18	Nanoscale architecture of a VAP-A-OSBP tethering complex at membrane contact sites. Nature Communications, 2021, 12, 3459.	12.8	29

#	ARTICLE	IF	CITATIONS
19	The transbilayer distribution of polyunsaturated phospholipids determines their facilitating effect on membrane deformation. <i>Soft Matter</i> , 2020, 16, 1722-1730.	2.7	27
20	Molecular and cellular dissection of the oxysterol-binding protein cycle through a fluorescent inhibitor. <i>Journal of Biological Chemistry</i> , 2020, 295, 4277-4288.	3.4	24
21	A comprehensive library of fluorescent constructs of SARS-CoV-2 proteins and their initial characterisation in different cell types. <i>Biology of the Cell</i> , 2021, 113, 311-328.	2.0	17
22	Critical assessment of side-chain conformational space sampling procedures designed for quantifying the effect of side-chain environment. <i>Journal of Computational Chemistry</i> , 2003, 24, 1950-1961.	3.3	4