

Romain Gautier

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

3,288
citations

393982

19
h-index

676716

22
g-index

25
all docs

25
docs citations

25
times ranked

4799
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	0.7	17
2	Nanoscale architecture of a VAP-A-OSBP tethering complex at membrane contact sites. <i>Nature Communications</i> , 2021, 12, 3459.	5.8	29
3	The transbilayer distribution of polyunsaturated phospholipids determines their facilitating effect on membrane deformation. <i>Soft Matter</i> , 2020, 16, 1722-1730.	1.2	27
4	Molecular and cellular dissection of the oxysterol-binding protein cycle through a fluorescent inhibitor. <i>Journal of Biological Chemistry</i> , 2020, 295, 4277-4288.	1.6	24
5	An electrostatic switching mechanism to control the lipid transfer activity of Osh6p. <i>Nature Communications</i> , 2019, 10, 3926.	5.8	32
6	Acyl chain asymmetry and polyunsaturation of brain phospholipids facilitate membrane vesiculation without leakage. <i>ELife</i> , 2018, 7, .	2.8	111
7	PackMem: A Versatile Tool to Compute and Visualize Interfacial Packing Defects in Lipid Bilayers. <i>Biophysical Journal</i> , 2018, 115, 436-444.	0.2	57
8	Interdigitation between Triglycerides and Lipids Modulates Surface Properties of Lipid Droplets. <i>Biophysical Journal</i> , 2017, 112, 1417-1430.	0.2	102
9	A filter at the entrance of the Golgi that selects vesicles according to size and bulk lipid composition. <i>ELife</i> , 2016, 5, .	2.8	57
10	Methyl-branched lipids promote the membrane adsorption of α -synuclein by enhancing shallow lipid-packing defects. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 15589-15597.	1.3	42
11	A sub-nanometre view of how membrane curvature and composition modulate lipid packing and protein recruitment. <i>Nature Communications</i> , 2014, 5, 4916.	5.8	230
12	The Ubiquitous Distribution of Late Embryogenesis Abundant Proteins across Cell Compartments in <i>Arabidopsis</i> Offers Tailored Protection against Abiotic Stress. <i>Plant Cell</i> , 2014, 26, 3148-3166.	3.1	179
13	Polyunsaturated phospholipids facilitate membrane deformation and fission by endocytic proteins. <i>Science</i> , 2014, 345, 693-697.	6.0	291
14	Conical Lipids in Flat Bilayers Induce Packing Defects Similar to that Induced by Positive Curvature. <i>Biophysical Journal</i> , 2013, 104, 585-593.	0.2	149
15	Amphipathic Lipid Packing Sensor Motifs: Probing Bilayer Defects with Hydrophobic Residues. <i>Biophysical Journal</i> , 2013, 104, 575-584.	0.2	171
16	Amphipathic-Lipid-Packing-Sensor interactions with lipids assessed by atomistic molecular dynamics. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 2119-2127.	1.4	35
17	Kinetic Studies of the Arf Activator Arno on Model Membranes in the Presence of Arf Effectors Suggest Control by a Positive Feedback Loop. <i>Journal of Biological Chemistry</i> , 2011, 286, 3873-3883.	1.6	70
18	HELIQUEST: a web server to screen sequences with specific α -helical properties. <i>Bioinformatics</i> , 2008, 24, 2101-2102.	1.8	928

#	ARTICLE	IF	CITATIONS
19	A general amphipathic α -helical motif for sensing membrane curvature. <i>Nature Structural and Molecular Biology</i> , 2007, 14, 138-146.	3.6	526
20	K α 1 interactions with microtubules and membranes are regulated by Rap1 and integrin cytoplasmic domain associated protein. <i>FEBS Journal</i> , 2007, 274, 5518-5532.	2.2	68
21	A Hidden Markov Model Derived Structural Alphabet for Proteins. <i>Journal of Molecular Biology</i> , 2004, 339, 591-605.	2.0	137
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.	1.5	4