

Lorena Redondo-Morata

List of Publications by Citations

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Version: 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

23
papers

906
citations

15
h-index

26
g-index

26
ext. papers

1,114
ext. citations

7.5
avg, IF

4.2
L-index

#	Paper	IF	Citations
23	Relaxation of Loaded ESCRT-III Spiral Springs Drives Membrane Deformation. <i>Cell</i> , 2015 , 163, 866-79	56.2	212
22	Dynamic subunit turnover in ESCRT-III assemblies is regulated by Vps4 to mediate membrane remodelling during cytokinesis. <i>Nature Cell Biology</i> , 2017 , 19, 787-798	23.4	145
21	Influence of cholesterol on the phase transition of lipid bilayers: a temperature-controlled force spectroscopy study. <i>Langmuir</i> , 2012 , 28, 12851-60	4	129
20	Nanomechanics of lipid bilayers: heads or tails?. <i>Journal of the American Chemical Society</i> , 2010 , 132, 12874-86	16.4	107
19	Force spectroscopy reveals the effect of different ions in the nanomechanical behavior of phospholipid model membranes: the case of potassium cation. <i>Biophysical Journal</i> , 2012 , 102, 66-74	2.9	41
18	Structural impact of cations on lipid bilayer models: nanomechanical properties by AFM-force spectroscopy. <i>Molecular Membrane Biology</i> , 2014 , 31, 17-28	3.4	36
17	Dynamic remodeling of the dynamin helix during membrane constriction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 5449-5454	11.5	31
16	AFM-based force-clamp monitors lipid bilayer failure kinetics. <i>Langmuir</i> , 2012 , 28, 6403-10	4	26
15	Atomic force microscopy characterization of supported planar bilayers that mimic the mitochondrial inner membrane. <i>Journal of Molecular Recognition</i> , 2007 , 20, 546-53	2.6	24
14	Effect of Statins on the Nanomechanical Properties of Supported Lipid Bilayers. <i>Biophysical Journal</i> , 2016 , 111, 363-372	2.9	24
13	Morphological and nanomechanical behavior of supported lipid bilayers on addition of cationic surfactants. <i>Langmuir</i> , 2013 , 29, 9352-61	4	20
12	Specific adsorption of cytochrome C on cardiolipin-glycerophospholipid monolayers and bilayers. <i>Langmuir</i> , 2007 , 23, 5651-6	4	20
11	Identification of a Membrane-bound Prepore Species Clarifies the Lytic Mechanism of Actinoporins. <i>Journal of Biological Chemistry</i> , 2016 , 291, 19210-19219	5.4	20
10	Temperature-Controlled High-Speed AFM: Real-Time Observation of Ripple Phase Transitions. <i>Small</i> , 2016 , 12, 6106-6113	11	16
9	In-plane molecular organization of hydrated single lipid bilayers: DPPC:cholesterol. <i>Nanoscale</i> , 2017 , 10, 87-92	7.7	15
8	Biological physics by high-speed atomic force microscopy. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020 , 378, 20190604	3	10
7	High-Resolution and High-Speed Atomic Force Microscope Imaging. <i>Methods in Molecular Biology</i> , 2018 , 1814, 181-200	1.4	8

6	Lipid bilayers: Phase behavior and nanomechanics. <i>Current Topics in Membranes</i> , 2020 , 86, 1-55	2.2	6
5	Cell monolayers sense curvature by exploiting active mechanics and nuclear mechanoadaptation. <i>Nature Physics</i> ,	16.2	5
4	Regulation of kinesin-1 activity by the effectors PipB2 and SifA. <i>Journal of Cell Science</i> , 2020 , 133,	5.3	4
3	Stability of Lipid Bilayers as Model Membranes: Atomic Force Microscopy and Spectroscopy Approach	259-284	4
2	Large-scale curvature sensing by epithelial monolayers depends on active cell mechanics and nuclear mechanoadaptation		2
1	High-Speed Atomic Force Microscopy and Nanomechanical Mapping as Tools for Studying Dynamic Membrane Remodeling Processes. <i>Microscopy and Microanalysis</i> , 2021 , 27, 55-56	0.5	