Lorena Redondo-Morata

List of Publications by Year in Descending Order

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	High-Speed Atomic Force Microscopy and Nanomechanical Mapping as Tools for Studying Dynamic Membrane Remodeling Processes. *Microscopy and Microanalysis*, **2021**, 27, 55-56	0.5	
22	Regulation of kinesin-1 activity by the effectors PipB2 and SifA. *Journal of Cell Science*, **2020**, 133,	5.3	4
21	Biological physics by high-speed atomic force microscopy. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2020**, 378, 20190604	3	10
20	Lipid bilayers: Phase behavior and nanomechanics. *Current Topics in Membranes*, **2020**, 86, 1-55	2.2	6
19	High-Resolution and High-Speed Atomic Force Microscope Imaging. *Methods in Molecular Biology*, **2018**, 1814, 181-200	1.4	8
18	Dynamic remodeling of the dynamin helix during membrane constriction. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 5449-5454	11.5	31
17	Dynamic subunit turnover in ESCRT-III assemblies is regulated by Vps4 to mediate membrane remodelling during cytokinesis. *Nature Cell Biology*, **2017**, 19, 787-798	23.4	145
16	In-plane molecular organization of hydrated single lipid bilayers: DPPC:cholesterol. *Nanoscale*, **2017** , 10, 87-92	7.7	15
15	Temperature-Controlled High-Speed AFM: Real-Time Observation of Ripple Phase Transitions. *Small*, **2016**, 12, 6106-6113	11	16
14	Identification of a Membrane-bound Prepore Species Clarifies the Lytic Mechanism of Actinoporins. *Journal of Biological Chemistry*, **2016**, 291, 19210-19219	5.4	20
13	Effect of Statins on the Nanomechanical Properties of Supported Lipid Bilayers. *Biophysical Journal*, **2016**, 111, 363-372	2.9	24
12	Relaxation of Loaded ESCRT-III Spiral Springs Drives Membrane Deformation. *Cell*, **2015**, 163, 866-79	56.2	212
11	Structural impact of cations on lipid bilayer models: nanomechanical properties by AFM-force spectroscopy. *Molecular Membrane Biology*, **2014**, 31, 17-28	3.4	36
10	Morphological and nanomechanical behavior of supported lipid bilayers on addition of cationic surfactants. *Langmuir*, **2013**, 29, 9352-61	4	20
9	AFM-based force-clamp monitors lipid bilayer failure kinetics. *Langmuir*, **2012**, 28, 6403-10	4	26
8	Force spectroscopy reveals the effect of different ions in the nanomechanical behavior of phospholipid model membranes: the case of potassium cation. *Biophysical Journal*, **2012**, 102, 66-74	2.9	41
7	Influence of cholesterol on the phase transition of lipid bilayers: a temperature-controlled force spectroscopy study. *Langmuir*, **2012**, 28, 12851-60	4	129

6	Nanomechanics of lipid bilayers: heads or tails?. *Journal of the American Chemical Society*, **2010**, 132, 12874-86	16.4	107
5	Specific adsorption of cytochrome C on cardiolipin-glycerophospholipid monolayers and bilayers. *Langmuir*, **2007**, 23, 5651-6	4	20
4	Atomic force microscopy characterization of supported planar bilayers that mimic the mitochondrial inner membrane. *Journal of Molecular Recognition*, **2007**, 20, 546-53	2.6	24
3	Cell monolayers sense curvature by exploiting active mechanics and nuclear mechanoadaptation. *Nature Physics*,	16.2	5
2	Large-scale curvature sensing by epithelial monolayers depends on active cell mechanics and nuclear mechanoadaptation		2
1	Stability of Lipid Bilayers as Model Membranes: Atomic Force Microscopy and Spectroscopy Approach259-284		4