John Manzi

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8413794/publications.pdf

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28	1,950	471509	610901
papers	citations	17 h-index	24 g-index

32	32	32	2999
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nanoplasmonic Sensor Detects Preferential Binding of IRSp53 to Negative Membrane Curvature. Frontiers in Chemistry, 2019, 7, 1.	3.6	439
2	Nature of curvature coupling of amphiphysin with membranes depends on its bound density. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 173-178.	7.1	266
3	IRSp53 senses negative membrane curvature and phase separates along membrane tubules. Nature Communications, 2015, 6, 8529.	12.8	180
4	A balance between membrane elasticity and polymerization energy sets the shape of spherical clathrin coats. Nature Communications, 2015, 6, 6249.	12.8	165
5	Membrane Shape at the Edge of the Dynamin Helix Sets Location and Duration of the Fission Reaction. Cell, 2012, 151, 619-629.	28.9	164
6	Functional Reconstitution of a Voltage-Gated Potassium Channel in Giant Unilamellar Vesicles. PLoS ONE, 2011, 6, e25529.	2.5	96
7	Modeling Detergent Organization around Aquaporin-0 Using Small-Angle X-ray Scattering. Journal of the American Chemical Society, 2012, 134, 10080-10088.	13.7	78
8	Actin polymerization or myosin contraction: two ways to build up cortical tension for symmetry breaking. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20130005.	4.0	73
9	Actin dynamics drive cell-like membrane deformation. Nature Physics, 2019, 15, 602-609.	16.7	73
10	WAVE binds Ena/VASP for enhanced Arp2/3 complexâ€“based actin assembly. Molecular Biology of the Cell, 2015, 26, 55-65.	2.1	58
11	Ezrin enrichment on curved membranes requires a specific conformation or interaction with a curvature-sensitive partner. ELife, 2018, 7, .	6.0	51
12	Mechanics of Biomimetic Liposomes Encapsulating an Actin Shell. Biophysical Journal, 2015, 109, 2471-2479.	0.5	50
13	How actin network dynamics control the onset of actin-based motility. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14440-14445.	7.1	42
14	Engineered Ferritin for Magnetogenetic Manipulation of Proteins and Organelles Inside Living Cells. Advanced Materials, 2017, 29, 1700189.	21.0	42
15	Nanoscale architecture of a VAP-A-OSBP tethering complex at membrane contact sites. Nature Communications, 2021, 12, 3459.	12.8	29
16	Adaptive Response of Actin Bundles under Mechanical Stress. Biophysical Journal, 2017, 113, 1072-1079.	0.5	27
17	Forces drive basement membrane invasion in Caenorhabditis elegans. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 11537-11542.	7.1	27
18	Full assembly of HIV-1 particles requires assistance of the membrane curvature factor IRSp53. ELife, 2021, 10, .	6.0	23

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19	Cell-sized liposome doublets reveal active tension build-up driven by acto-myosin dynamics. Soft Matter, 2016, 12, 6223-6231.	2.7	21
20	Comparing physical mechanisms for membrane curvature-driven sorting of BAR-domain proteins. Soft Matter, 2021, 17, 4254-4265.	2.7	16
21	Actin modulates shape and mechanics of tubular membranes. Science Advances, 2020, 6, eaaz3050.	10.3	14
22	The Mechanical Role of VASP in an Arp2/3-Complex-Based Motility Assay. Journal of Molecular Biology, 2011, 413, 573-583.	4.2	8
23	Proteins Shaping Membranes : Quantitative Measurements. Biophysical Journal, 2012, 102, 234a.	0.5	1
24	Functional and Structural Studies of Interplay between an ABC Transporter and its Surrounding Membrane Environment. Biophysical Journal, 2018, 114, 188a-189a.	0.5	1
25	Interplay between the Conformational Dynamics of a Bacterial ABC-Transporter and Surrounding Membrane Mechanical Properties. Biophysical Journal, 2019, 116, 206a.	0.5	1
26	In Vitro Reconstitution of Transcellular Tunnels Closure. Biophysical Journal, 2014, 106, 248a.	0.5	0
27	Caveolin-Assisted Sphingolipid Transport to the Plasma Membrane. Biophysical Journal, 2018, 114, 198a.	0.5	0
28	Capping protein is dispensable for polarized actin network growth and actin-based motility. Journal of Biological Chemistry, 2020, 295, 15366-15375.	3.4	0