

# John Manzi

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

1,950  
citations

471509

17  
h-index

610901

24  
g-index

32  
all docs

32  
docs citations

32  
times ranked

2999  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparing physical mechanisms for membrane curvature-driven sorting of BAR-domain proteins. <i>Soft Matter</i> , 2021, 17, 4254-4265.	2.7	16
2	Full assembly of HIV-1 particles requires assistance of the membrane curvature factor IRSp53. <i>ELife</i> , 2021, 10, .	6.0	23
3	Nanoscale architecture of a VAP-A-OSBP tethering complex at membrane contact sites. <i>Nature Communications</i> , 2021, 12, 3459.	12.8	29
4	Capping protein is dispensable for polarized actin network growth and actin-based motility. <i>Journal of Biological Chemistry</i> , 2020, 295, 15366-15375.	3.4	0
5	Actin modulates shape and mechanics of tubular membranes. <i>Science Advances</i> , 2020, 6, eaaz3050.	10.3	14
6	Interplay between the Conformational Dynamics of a Bacterial ABC-Transporter and Surrounding Membrane Mechanical Properties. <i>Biophysical Journal</i> , 2019, 116, 206a.	0.5	1
7	Actin dynamics drive cell-like membrane deformation. <i>Nature Physics</i> , 2019, 15, 602-609.	16.7	73
8	Nanoplasmonic Sensor Detects Preferential Binding of IRSp53 to Negative Membrane Curvature. <i>Frontiers in Chemistry</i> , 2019, 7, 1.	3.6	439
9	Caveolin-Assisted Sphingolipid Transport to the Plasma Membrane. <i>Biophysical Journal</i> , 2018, 114, 198a.	0.5	0
10	Functional and Structural Studies of Interplay between an ABC Transporter and its Surrounding Membrane Environment. <i>Biophysical Journal</i> , 2018, 114, 188a-189a.	0.5	1
11	Forces drive basement membrane invasion in <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 11537-11542.	7.1	27
12	Ezrin enrichment on curved membranes requires a specific conformation or interaction with a curvature-sensitive partner. <i>ELife</i> , 2018, 7, .	6.0	51
13	Engineered Ferritin for Magnetogenetic Manipulation of Proteins and Organelles Inside Living Cells. <i>Advanced Materials</i> , 2017, 29, 1700189.	21.0	42
14	Adaptive Response of Actin Bundles under Mechanical Stress. <i>Biophysical Journal</i> , 2017, 113, 1072-1079.	0.5	27
15	Cell-sized liposome doublets reveal active tension build-up driven by acto-myosin dynamics. <i>Soft Matter</i> , 2016, 12, 6223-6231.	2.7	21
16	IRSp53 senses negative membrane curvature and phase separates along membrane tubules. <i>Nature Communications</i> , 2015, 6, 8529.	12.8	180
17	Mechanics of Biomimetic Liposomes Encapsulating an Actin Shell. <i>Biophysical Journal</i> , 2015, 109, 2471-2479.	0.5	50
18	A balance between membrane elasticity and polymerization energy sets the shape of spherical clathrin coats. <i>Nature Communications</i> , 2015, 6, 6249.	12.8	165

#	ARTICLE	IF	CITATIONS
19	WAVE binds Ena/VASP for enhanced Arp2/3 complex-based actin assembly. <i>Molecular Biology of the Cell</i> , 2015, 26, 55-65.	2.1	58
20	In Vitro Reconstitution of Transcellular Tunnels Closure. <i>Biophysical Journal</i> , 2014, 106, 248a.	0.5	0
21	Actin polymerization or myosin contraction: two ways to build up cortical tension for symmetry breaking. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20130005.	4.0	73
22	How actin network dynamics control the onset of actin-based motility. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 14440-14445.	7.1	42
23	Membrane Shape at the Edge of the Dynamin Helix Sets Location and Duration of the Fission Reaction. <i>Cell</i> , 2012, 151, 619-629.	28.9	164
24	Proteins Shaping Membranes : Quantitative Measurements. <i>Biophysical Journal</i> , 2012, 102, 234a.	0.5	1
25	Nature of curvature coupling of amphiphysin with membranes depends on its bound density. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 173-178.	7.1	266
26	Modeling Detergent Organization around Aquaporin-0 Using Small-Angle X-ray Scattering. <i>Journal of the American Chemical Society</i> , 2012, 134, 10080-10088.	13.7	78
27	The Mechanical Role of VASP in an Arp2/3-Complex-Based Motility Assay. <i>Journal of Molecular Biology</i> , 2011, 413, 573-583.	4.2	8
28	Functional Reconstitution of a Voltage-Gated Potassium Channel in Giant Unilamellar Vesicles. <i>PLoS ONE</i> , 2011, 6, e25529.	2.5	96