

Matthew A Caporizzo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7180027/publications.pdf>

Version: 2024-02-01

18
papers

1,021
citations

759233

12
h-index

839539

18
g-index

20
all docs

20
docs citations

20
times ranked

1641
citing authors

#	ARTICLE	IF	CITATIONS
1	Detyrosinated microtubules buckle and bear load in contracting cardiomyocytes. <i>Science</i> , 2016, 352, aaf0659.	12.6	251
2	Suppression of detyrosinated microtubules improves cardiomyocyte function in human heart failure. <i>Nature Medicine</i> , 2018, 24, 1225-1233.	30.7	191
3	Nano-rheology of hydrogels using direct drive force modulation atomic force microscopy. <i>Soft Matter</i> , 2015, 11, 8165-8178.	2.7	78
4	Cardiac microtubules in health and heart disease. <i>Experimental Biology and Medicine</i> , 2019, 244, 1255-1272.	2.4	72
5	Microtubules Increase Diastolic Stiffness in Failing Human Cardiomyocytes and Myocardium. <i>Circulation</i> , 2020, 141, 902-915.	1.6	63
6	Pathogenic LMNA variants disrupt cardiac lamina-chromatin interactions and de-repress alternative fate genes. <i>Cell Stem Cell</i> , 2021, 28, 938-954.e9.	11.1	61
7	Network confinement and heterogeneity slows nanoparticle diffusion in polymer gels. <i>Journal of Chemical Physics</i> , 2017, 146, 203318.	3.0	58
8	Gold Nanorod Linking to Control Plasmonic Properties in Solution and Polymer Nanocomposites. <i>Langmuir</i> , 2014, 30, 1906-1914.	3.5	47
9	Intracellular nanoparticle dynamics affected by cytoskeletal integrity. <i>Soft Matter</i> , 2017, 13, 1873-1880.	2.7	44
10	Truncated titin proteins in dilated cardiomyopathy. <i>Science Translational Medicine</i> , 2021, 13, eabd7287.	12.4	39
11	Depletion of Vasohibin 1 Speeds Contraction and Relaxation in Failing Human Cardiomyocytes. <i>Circulation Research</i> , 2020, 127, e14-e27.	4.5	32
12	Cochlear supporting cells require GAS2 for cytoskeletal architecture and hearing. <i>Developmental Cell</i> , 2021, 56, 1526-1540.e7.	7.0	18
13	Competitive Adsorption of Polyelectrolytes onto and into Pellicle-Coated Hydroxyapatite Investigated by QCM-D and Force Spectroscopy. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 13079-13091.	8.0	16
14	Need for Speed: The Importance of Physiological Strain Rates in Determining Myocardial Stiffness. <i>Frontiers in Physiology</i> , 2021, 12, 696694.	2.8	16
15	The Antiparallel Dimerization of Myosin X Imparts Bundle Selectivity for Processive Motility. <i>Biophysical Journal</i> , 2018, 114, 1400-1410.	0.5	12
16	Nanoscale Topography Mediates the Adhesion of F-Actin. <i>Langmuir</i> , 2012, 28, 12216-12224.	3.5	8
17	Transcriptional, Post-Transcriptional, and Post-Translational Mechanisms Rewrite the Tubulin Code During Cardiac Hypertrophy and Failure. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 837486.	3.7	8
18	Processivity and Velocity for Motors Stepping on Periodic Tracks. <i>Biophysical Journal</i> , 2020, 118, 1537-1551.	0.5	6