Christopher M Hale

List of Publications by Year
in descending order

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18	1,874	567281 15	888059 17
papers	citations	h-index	g-index

18	18	18	2296
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A perinuclear actin cap regulates nuclear shape. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 19017-19022.	7.1	511
2	Nuclear Lamin A/C Deficiency Induces Defects in Cell Mechanics, Polarization, and Migration. Biophysical Journal, 2007, 93, 2542-2552.	0.5	271
3	Structural requirements for the assembly of LINC complexes and their function in cellular mechanical stiffness. Experimental Cell Research, 2008, 314, 1892-1905.	2.6	248
4	Dysfunctional Connections Between the Nucleus and the Actin and Microtubule Networks in Laminopathic Models. Biophysical Journal, 2008, 95, 5462-5475.	0.5	181
5	The distinct roles of the nucleus and nucleus-cytoskeleton connections in three-dimensional cell migration. Scientific Reports, 2012, 2, 488.	3.3	136
6	Ballistic intracellular nanorheology reveals ROCK-hard cytoplasmic stiffening response to fluid flow. Journal of Cell Science, 2006, 119, 1760-1768.	2.0	101
7	The perinuclear actin cap in health and disease. Nucleus, 2010, 1, 337-342.	2.2	64
8	Magnetic Manipulation of Nanorods in the Nucleus of Living Cells. Biophysical Journal, 2011, 101, 1880-1886.	0.5	64
9	Resolving the Role of Actoymyosin Contractility in Cell Microrheology. PLoS ONE, 2009, 4, e7054.	2.5	55
10	High-throughput ballistic injection nanorheology to measure cell mechanics. Nature Protocols, 2012, 7, 155-170.	12.0	52
11	SMRT analysis of MTOC and nuclear positioning reveals the role of EB1 and LIC1 in single-cell polarization. Journal of Cell Science, 2011, 124, 4267-4285.	2.0	40
12	Parallel Fourier ptychographic microscopy for high-throughput screening with 96 cameras (96 Eyes). Scientific Reports, 2019, 9, 11114.	3.3	37
13	Differences in the Microrheology of Human Embryonic Stem Cells and Human Induced Pluripotent Stem Cells. Biophysical Journal, 2010, 99, 3563-3570.	0.5	34
14	Functional arrays of human pluripotent stem cell-derived cardiac microtissues. Scientific Reports, 2020, 10, 6919.	3.3	32
15	Particle tracking microrheology of cancer cells in living subjects. Materials Today, 2020, 39, 98-109.	14.2	20
16	Novel Small-Molecule Troponin Activator Increases Cardiac Contractile Function Without Negative Impact on Energetics. Circulation: Heart Failure, 2022, 15, .	3.9	17
17	Cellular analysis using label-free parallel array microscopy with Fourier ptychography. Biomedical Optics Express, 2022, 13, 1312.	2.9	10
18	Intra- and Extracellular Microrheology of Endothelial Cells in a 3D Matrix. Biological and Medical Physics Series, 2011, , 69-87.	0.4	1