

Christopher M Hale

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,874
citations

567281

15
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

2296
citing authors

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