

Gheorghe Cojoc

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10607933/publications.pdf>

Version: 2024-02-01

20
papers

844
citations

687363

13
h-index

752698

20
g-index

22
all docs

22
docs citations

22
times ranked

1300
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Correlative all-optical quantification of mass density and mechanics of subcellular compartments with fluorescence specificity. <i>ELife</i> , 2022, 11, . | 6.0 | 37 |
| 2 | PNIPAAm microgels with defined network architecture as temperature sensors in optical stretchers. <i>Materials Advances</i> , 2022, 3, 6179-6190. | 5.4 | 5 |
| 3 | DryMass: handling and analyzing quantitative phase microscopy images of spherical, cell-sized objects. <i>BMC Bioinformatics</i> , 2020, 21, 226. | 2.6 | 11 |
| 4 | Stretching and heating cells with lightâ€”nonlinear photothermal cell rheology. <i>New Journal of Physics</i> , 2020, 22, 085003. | 2.9 | 4 |
| 5 | Threeâ€”dimensional correlative singleâ€”cell imaging utilizing fluorescence and refractive index tomography. <i>Journal of Biophotonics</i> , 2018, 11, e201700145. | 2.3 | 75 |
| 6 | Droplet-Assisted Microfluidic Fabrication and Characterization of Multifunctional Polysaccharide Microgels Formed by Multicomponent Reactions. <i>Polymers</i> , 2018, 10, 1055. | 4.5 | 32 |
| 7 | Accurate evaluation of size and refractive index for spherical objects in quantitative phase imaging. <i>Optics Express</i> , 2018, 26, 10729. | 3.4 | 19 |
| 8 | Mechanical Mapping of Spinal Cord Growth and Repair in Living Zebrafish Larvae by Brillouin Imaging. <i>Biophysical Journal</i> , 2018, 115, 911-923. | 0.5 | 133 |
| 9 | Volume Transitions of Isolated Cell Nuclei Induced by Rapid Temperature Increase. <i>Biophysical Journal</i> , 2017, 112, 1063-1076. | 0.5 | 32 |
| 10 | Mechanical deformation induces depolarization of neutrophils. <i>Science Advances</i> , 2017, 3, e1602536. | 10.3 | 68 |
| 11 | Paired arrangement of kinetochores together with microtubule pivoting and dynamics drive kinetochore capture in meiosis I. <i>Scientific Reports</i> , 2016, 6, 25736. | 3.3 | 13 |
| 12 | Laser microsurgery reveals conserved viscoelastic behavior of the kinetochore. <i>Journal of Cell Biology</i> , 2016, 212, 767-776. | 5.2 | 25 |
| 13 | Overlap microtubules link sister k-fibres and balance the forces on bi-oriented kinetochores. <i>Nature Communications</i> , 2016, 7, 10298. | 12.8 | 127 |
| 14 | Miniaturized Optical Tweezers Through Fiber-End Microfabrication. <i>Springer Series in Surface Sciences</i> , 2015, , 159-180. | 0.3 | 1 |
| 15 | Mechanical Stress Downregulates MHC Class I Expression on Human Cancer Cell Membrane. <i>PLoS ONE</i> , 2014, 9, e111758. | 2.5 | 6 |
| 16 | Real-Time Imaging of DNA Damage in Yeast Cells Using Ultra-Short Near-Infrared Pulsed Laser Irradiation. <i>PLoS ONE</i> , 2014, 9, e113325. | 2.5 | 4 |
| 17 | Selective on site separation and detection of molecules in diluted solutions with super-hydrophobic clusters of plasmonic nanoparticles. <i>Nanoscale</i> , 2014, 6, 8208-8225. | 5.6 | 48 |
| 18 | Differential Cell Adhesion on Mesoporous Silicon Substrates. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 2903-2911. | 8.0 | 63 |

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|----|---|------|-----------|
| 19 | Microfluidic Devices Modulate Tumor Cell Line Susceptibility to NK Cell Recognition. <i>Small</i> , 2012, 8, 2886-2894. | 10.0 | 29 |
| 20 | Micro-Optics Fabrication on Top of Optical Fibers Using Two-Photon Lithography. <i>IEEE Photonics Technology Letters</i> , 2010, 22, 474-476. | 2.5 | 102 |