Gheorghe Cojoc

List of Publications by Year
in descending order

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

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20	844	687363 13	752698 20
papers	citations	h-index	g-index

22	22	22	1300
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mechanical Mapping of Spinal Cord Growth and Repair in Living Zebrafish Larvae by Brillouin Imaging. Biophysical Journal, 2018, 115, 911-923.	0.5	133
2	Overlap microtubules link sister k-fibres and balance the forces on bi-oriented kinetochores. Nature Communications, 2016, 7, 10298.	12.8	127
3	Micro-Optics Fabrication on Top of Optical Fibers Using Two-Photon Lithography. IEEE Photonics Technology Letters, 2010, 22, 474-476.	2.5	102
4	Threeâ€dimensional correlative singleâ€cell imaging utilizing fluorescence and refractive index tomography. Journal of Biophotonics, 2018, 11, e201700145.	2.3	75
5	Mechanical deformation induces depolarization of neutrophils. Science Advances, 2017, 3, e1602536.	10.3	68
6	Differential Cell Adhesion on Mesoporous Silicon Substrates. ACS Applied Materials & Interfaces, 2012, 4, 2903-2911.	8.0	63
7	Selective on site separation and detection of molecules in diluted solutions with super-hydrophobic clusters of plasmonic nanoparticles. Nanoscale, 2014, 6, 8208-8225.	5.6	48
8	Correlative all-optical quantification of mass density and mechanics of subcellular compartments with fluorescence specificity. ELife, 2022, 11, .	6.0	37
9	Volume Transitions of Isolated Cell Nuclei Induced by Rapid Temperature Increase. Biophysical Journal, 2017, 112, 1063-1076.	0.5	32
10	Droplet-Assisted Microfluidic Fabrication and Characterization of Multifunctional Polysaccharide Microgels Formed by Multicomponent Reactions. Polymers, 2018, 10, 1055.	4.5	32
11	Microfluidic Devices Modulate Tumor Cell Line Susceptibility to NK Cell Recognition. Small, 2012, 8, 2886-2894.	10.0	29
12	Laser microsurgery reveals conserved viscoelastic behavior of the kinetochore. Journal of Cell Biology, 2016, 212, 767-776.	5.2	25
13	Accurate evaluation of size and refractive index for spherical objects in quantitative phase imaging. Optics Express, 2018, 26, 10729.	3.4	19
14	Paired arrangement of kinetochores together with microtubule pivoting and dynamics drive kinetochore capture in meiosis I. Scientific Reports, 2016, 6, 25736.	3.3	13
15	DryMass: handling and analyzing quantitative phase microscopy images of spherical, cell-sized objects. BMC Bioinformatics, 2020, 21, 226.	2.6	11
16	Mechanical Stress Downregulates MHC Class I Expression on Human Cancer Cell Membrane. PLoS ONE, 2014, 9, e111758.	2.5	6
17	PNIPAAm microgels with defined network architecture as temperature sensors in optical stretchers. Materials Advances, 2022, 3, 6179-6190.	5.4	5
18	Real-Time Imaging of DNA Damage in Yeast Cells Using Ultra-Short Near-Infrared Pulsed Laser Irradiation. PLoS ONE, 2014, 9, e113325.	2.5	4

#	Article	IF	Citations
19	Stretching and heating cells with lightâ€"nonlinear photothermal cell rheology. New Journal of Physics, 2020, 22, 085003.	2.9	4
20	Miniaturized Optical Tweezers Through Fiber-End Microfabrication. Springer Series in Surface Sciences, 2015, , 159-180.	0.3	1