

Hesam Babahosseini

List of Publications by Year in descending order

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papers

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1307594

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372
citing authors

#	ARTICLE	IF	CITATIONS
1	Unbalanced bidirectional radial stiffness gradients within the organ of Corti promoted by TRIOBP. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	3
2	Deterministic assembly of chromosome ensembles in a programmable membrane trap array. Biofabrication, 2021, 13, 045005.	7.1	0
3	A programmable microfluidic platform for multisample injection, discretization, and droplet manipulation. Biomicrofluidics, 2020, 14, 014112.	2.4	4
4	Microfluidic on-demand droplet generation, storage, retrieval, and merging for single-cell pairing. Lab on A Chip, 2019, 19, 493-502.	6.0	38
5	Active or Passive On-Demand Droplet Merging in a Microfluidic Valve-Based Trap*. , 2018, 2018, 5350-5353.		2
6	Microfluidic iterative mechanical characteristics (iMECH) analyzer for single-cell metastatic identification. Analytical Methods, 2017, 9, 847-855.	2.7	14
7	Single-Cell Mechanical Characteristics Analyzed by Multiconstriction Microfluidic Channels. ACS Sensors, 2017, 2, 290-299.	7.8	48
8	The impact of sphingosine kinase inhibitor-loaded nanoparticles on bioelectrical and biomechanical properties of cancer cells. Lab on A Chip, 2016, 16, 188-198.	6.0	22
9	Sub-cellular force microscopy in single normal and cancer cells. Biochemical and Biophysical Research Communications, 2015, 463, 587-592.	2.1	30
10	Single cell metastatic phenotyping using pulsed nanomechanical indentations. Nanotechnology, 2015, 26, 354004.	2.6	11
11	Using nanotechnology and microfluidics in search of cell biomechanical cues for cancer progression. Nanomedicine, 2015, 10, 2635-2638.	3.3	5
12	Biomechanical profile of cancer stem-like/tumor-initiating cells derived from a progressive ovarian cancer model. Nanomedicine: Nanotechnology, Biology, and Medicine, 2014, 10, e1013-e1019.	3.3	41
13	Dynamic Modeling of a Spherical Nanoparticle Manipulation by Atomic Force Microscope Probe. Journal of Nanoengineering and Nanomanufacturing, 2013, 3, 98-106.	0.3	0
14	Dynamic Modeling and Sensitivity Analysis of Atomic Force Microscope Pushing Force in Nanoparticle Manipulation on a Rough Substrate. Advanced Science, Engineering and Medicine, 2013, 5, 801-810.	0.3	1
15	Roles of bioactive Sphingolipid metabolites in ovarian cancer cell biomechanics. , 2012, 2012, 2436-9.		5
16	Microfluidic chip bio-sensor for detection of cancer cells. , 2012, , .		3