

# Hesam Babahosseini

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8328008/publications.pdf>

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16  
papers

227  
citations

1307594

7  
h-index

1281871

11  
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16  
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16  
docs citations

16  
times ranked

372  
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-Cell Mechanical Characteristics Analyzed by Multiconstriction Microfluidic Channels. ACS Sensors, 2017, 2, 290-299.	7.8	48
2	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
3	Microfluidic on-demand droplet generation, storage, retrieval, and merging for single-cell pairing. Lab on A Chip, 2019, 19, 493-502.	6.0	38
4	Sub-cellular force microscopy in single normal and cancer cells. Biochemical and Biophysical Research Communications, 2015, 463, 587-592.	2.1	30
5	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
6	Microfluidic iterative mechanical characteristics (iMECH) analyzer for single-cell metastatic identification. Analytical Methods, 2017, 9, 847-855.	2.7	14
7	Single cell metastatic phenotyping using pulsed nanomechanical indentations. Nanotechnology, 2015, 26, 354004.	2.6	11
8	Roles of bioactive Sphingolipid metabolites in ovarian cancer cell biomechanics. , 2012, 2012, 2436-9.		5
9	Using nanotechnology and microfluidics in search of cell biomechanical cues for cancer progression. Nanomedicine, 2015, 10, 2635-2638.	3.3	5
10	A programmable microfluidic platform for multisample injection, discretization, and droplet manipulation. Biomicrofluidics, 2020, 14, 014112.	2.4	4
11	Microfluidic chip bio-sensor for detection of cancer cells. , 2012, , .		3
12	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
13	Active or Passive On-Demand Droplet Merging in a Microfluidic Valve-Based Trap*. , 2018, 2018, 5350-5353.		2
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	Deterministic assembly of chromosome ensembles in a programmable membrane trap array. Biofabrication, 2021, 13, 045005.	7.1	0
16	Dynamic Modeling of a Spherical Nanoparticle Manipulation by Atomic Force Microscope Probe. Journal of Nanoengineering and Nanomanufacturing, 2013, 3, 98-106.	0.3	0