

Ramin Omidvar

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

314
citations

1163117

8
h-index

1058476

14
g-index

17
all docs

17
docs citations

17
times ranked

562
citing authors

#	ARTICLE	IF	CITATIONS
1	Atomic force microscope-based single cell force spectroscopy of breast cancer cell lines: An approach for evaluating cellular invasion. <i>Journal of Biomechanics</i> , 2014, 47, 3373-3379.	2.1	75
2	Regulation of Endothelial Cell Adherence and Elastic Modulus by Substrate Stiffness. <i>Cell Communication and Adhesion</i> , 2015, 22, 79-89.	1.0	52
3	Quantification of effects of cancer on elastic properties of breast tissue by Atomic Force Microscopy. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016, 60, 234-242.	3.1	42
4	Structural and functional changes of silk fibroin scaffold due to hydrolytic degradation. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	32
5	Glycan-decorated protocells: novel features for rebuilding cellular processes. <i>Interface Focus</i> , 2019, 9, 20180084.	3.0	21
6	<p>An AFM-Based Nanomechanical Study of Ovarian Tissues with Pathological Conditions</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 4333-4350.	6.7	19
7	Differential recognition of lipid domains by two Gb3-binding lectins. <i>Scientific Reports</i> , 2020, 10, 9752.	3.3	18
8	Epidermal growth factor receptor targeting alters gene expression and restores the adhesion function of cancerous cells as measured by single cell force spectroscopy. <i>Molecular and Cellular Biochemistry</i> , 2016, 423, 129-139.	3.1	10
9	Quantification of nanoscale forces in lectin-mediated bacterial attachment and uptake into giant liposomes. <i>Nanoscale</i> , 2021, 13, 4016-4028.	5.6	10
10	The Lectin LecA Sensitizes the Human Stretch-Activated Channel TREK-1 but Not Piezo1 and Binds Selectively to Cardiac Non-myocytes. <i>Frontiers in Physiology</i> , 2020, 11, 457.	2.8	8
11	The effect of fibronectin on structural and biological properties of single walled carbon nanotube. <i>Applied Surface Science</i> , 2015, 339, 85-93.	6.1	7
12	Quantifying effects of cyclic stretch on cellâ€œcollagen substrate adhesiveness of vascular endothelial cells. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2018, 232, 531-541.	1.8	7
13	GUV-AP: multifunctional Fiji-based tool for quantitative image analysis of Giant Unilamellar Vesicles. <i>Bioinformatics</i> , 2019, 35, 2340-2342.	4.1	7
14	Evaluation of elastic properties of breast cancer stem-like/tumor initiating cells using Atomic Force Microscopy. , 2014, , .		4
15	Cancer Mutation Alters Mechanical Stiffness of Epithelial Cadherin Domains: A Molecular Dynamics Study. <i>Journal of Computational and Theoretical Nanoscience</i> , 2014, 11, 2228-2236.	0.4	1
16	Restoring elastic properties of breast cancer cells by EGFR targeting: Atomic force microscopy measurement. , 2016, , .		0