

Amir Monemian Esfahani

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

228
citations

1162889

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1058333

14
g-index

19
all docs

19
docs citations

19
times ranked

333
citing authors

#	ARTICLE	IF	CITATIONS
1	Rho/ROCK mechanosensor in adipocyte stiffness and traction force generation. <i>Biochemical and Biophysical Research Communications</i> , 2022, 606, 42-48.	1.0	2
2	Characterization of the strain-rate-dependent mechanical response of single cell-cell junctions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	25
3	Modulation of Mechanical Stress Mitigates Anti- α 3 Antibody-Induced Dissociation of Cell-Cell Adhesion. <i>Advanced Biology</i> , 2021, 5, 2000159.	1.4	4
4	Microfluidic Systems with Embedded Cell Culture Chambers for High-Throughput Biological Assays. <i>ACS Applied Bio Materials</i> , 2020, 3, 6661-6671.	2.3	13
5	Facile Production of Large-Area Cell Arrays Using Surface-Assembled Microdroplets. <i>Advanced Science</i> , 2020, 7, 2000769.	5.6	8
6	The LINC complex, mechanotransduction, and mesenchymal stem cell function and fate. <i>Journal of Biological Engineering</i> , 2019, 13, 68.	2.0	91
7	Tissue Regeneration from Mechanical Stretching of Cell-Cell Adhesion. <i>Tissue Engineering - Part C: Methods</i> , 2019, 25, 631-640.	1.1	20
8	Optimization of Protein-Protein Interaction Measurements for Drug Discovery Using AFM Force Spectroscopy. <i>IEEE Nanotechnology Magazine</i> , 2019, 18, 509-517.	1.1	4
9	Quantification of Cell Adhesion Strength using Energy Dissipation from Quartz Microbalance with Dissipation Monitoring. , 2019, , .		1
10	Forced transverse vibration analysis of a circular viscoelastic polymeric piezoelectric microplate with fluid interaction. <i>Australian Journal of Mechanical Engineering</i> , 2018, 16, 31-42.	1.5	2
11	On the Measurement of Energy Dissipation of Adhered Cells with the Quartz Microbalance with Dissipation Monitoring. <i>Analytical Chemistry</i> , 2018, 90, 10340-10349.	3.2	12
12	Single-cell membrane drug delivery using porous pen nanodeposition. <i>Nanoscale</i> , 2018, 10, 12704-12712.	2.8	8
13	Forced vibration analysis of a viscoelastic polymeric piezoelectric microplate with fluid interaction. <i>Micro and Nano Letters</i> , 2016, 11, 395-401.	0.6	4
14	Vibration analysis of a circular thin polymeric piezoelectric diaphragm with fluid interaction. <i>International Journal of Mechanics and Materials in Design</i> , 2016, 12, 401-411.	1.7	11
15	Calibration verification of a low-cost method for MEMS accelerometers. <i>Transactions of the Institute of Measurement and Control</i> , 2014, 36, 579-587.	1.1	9
16	A modeling and vibration analysis of a piezoelectric micro-pump diaphragm. <i>Comptes Rendus - Mecanique</i> , 2014, 342, 692-699.	2.1	14
17	Adaptive Control of a Macro/Micro Bilateral Teleoperation System Under Variable Time Delay. , 2010, , .		0
18	Robust Impedance Control of a Teleoperation System With Friction Compensation Under Time Delay. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
19	Nonlinear Disturbance Observer Based Impedance Control for a Teleoperation System Under Time Delay. , 2009, , .		0