

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

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19
all docs

19
docs citations

19
times ranked

333
citing authors

#	ARTICLE	IF	CITATIONS
1	The LINC complex, mechanotransduction, and mesenchymal stem cell function and fate. Journal of Biological Engineering, 2019, 13, 68.	2.0	91
2	Characterization of the strain-rateâ€‘dependent mechanical response of single cellâ€‘cell junctions. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	25
3	Tissue Regeneration from Mechanical Stretching of Cellâ€‘Cell Adhesion. Tissue Engineering - Part C: Methods, 2019, 25, 631-640.	1.1	20
4	A modeling and vibration analysis of a piezoelectric micro-pump diaphragm. Comptes Rendus - Mecanique, 2014, 342, 692-699.	2.1	14
5	Microfluidic Systems with Embedded Cell Culture Chambers for High-Throughput Biological Assays. ACS Applied Bio Materials, 2020, 3, 6661-6671.	2.3	13
6	On the Measurement of Energy Dissipation of Adhered Cells with the Quartz Microbalance with Dissipation Monitoring. Analytical Chemistry, 2018, 90, 10340-10349.	3.2	12
7	Vibration analysis of a circular thin polymeric piezoelectric diaphragm with fluid interaction. International Journal of Mechanics and Materials in Design, 2016, 12, 401-411.	1.7	11
8	Calibration verification of a low-cost method for MEMS accelerometers. Transactions of the Institute of Measurement and Control, 2014, 36, 579-587.	1.1	9
9	Single-cell membrane drug delivery using porous pen nanodeposition. Nanoscale, 2018, 10, 12704-12712.	2.8	8
10	Facile Production of Largeâ€‘Area Cell Arrays Using Surfaceâ€‘Assembled Microdroplets. Advanced Science, 2020, 7, 2000769.	5.6	8
11	Forced vibration analysis of a viscoelastic polymeric piezoelectric microplate with fluid interaction. Micro and Nano Letters, 2016, 11, 395-401.	0.6	4
12	Optimization of Proteinâ€‘Protein Interaction Measurements for Drug Discovery Using AFM Force Spectroscopy. IEEE Nanotechnology Magazine, 2019, 18, 509-517.	1.1	4
13	Modulation of Mechanical Stress Mitigates Antiâ€‘Dsg3 Antibodyâ€‘Induced Dissociation of Cellâ€‘Cell Adhesion. Advanced Biology, 2021, 5, 2000159.	1.4	4
14	Forced transverse vibration analysis of a circular viscoelastic polymeric piezoelectric microplate with fluid interaction. Australian Journal of Mechanical Engineering, 2018, 16, 31-42.	1.5	2
15	Rho/ROCK mechanosensor in adipocyte stiffness and traction force generation. Biochemical and Biophysical Research Communications, 2022, 606, 42-48.	1.0	2
16	Quantification of Cell Adhesion Strength using Energy Dissipation from Quartz Microbalance with Dissipation Monitoring. , 2019, , .		1
17	Robust Impedance Control of a Teleoperation System With Friction Compensation Under Time Delay. , 2009, , .		0
18	Nonlinear Disturbance Observer Based Impedance Control for a Teleoperation System Under Time Delay. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
19	Adaptive Control of a Macro/Micro Bilateral Teleoperation System Under Variable Time Delay. , 2010, , .		0