Sihong Wang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5220820/publications.pdf

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17	661	840585 11	940416 16
papers	citations	h-index	g-index

18	18	18	1113
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tuning Thermal Dosage to Facilitate Mesenchymal Stem Cell Osteogenesis in Pro-Inflammatory Environment. Journal of Biomechanical Engineering, 2021, 143, .	0.6	2
2	Highâ€Throughput Tumorâ€onâ€aâ€Chip Platform to Study Tumorâ€“Stroma Interactions and Drug Pharmacokinetics. Advanced Healthcare Materials, 2020, 9, e2000880.	3.9	31
3	CRISPR/Cas9â€mediated mutagenesis to validate the synergy between PARP1 inhibition and chemotherapy in BRCA1â€mutated breast cancer cells. Bioengineering and Translational Medicine, 2020, 5, e10152.	3.9	31
4	Apoptosis detection via automated algorithms to analyze biomarker translocation in reporter cells. Biotechnology and Bioengineering, 2020, 117, 1470-1482.	1.7	1
5	Downregulation of Heat Shock Protein 70 Impairs Osteogenic and Chondrogenic Differentiation in Human Mesenchymal Stem Cells. Scientific Reports, 2018, 8, 553.	1.6	37
6	A multifunctional microfluidic platform for generation, trapping and release of droplets in a double laminar flow. Journal of Biotechnology, 2017, 251, 106-111.	1.9	7
7	Microfluidic cell chips for high-throughput drug screening. Bioanalysis, 2016, 8, 921-937.	0.6	59
8	Periodic Heat Shock Accelerated the Chondrogenic Differentiation of Human Mesenchymal Stem Cells in Pellet Culture. PLoS ONE, 2014, 9, e91561.	1.1	25
9	Three Dimensional Microfluidic Cell Arrays for ex Vivo Drug Screening with Mimicked Vascular Flow. Analytical Chemistry, 2014, 86, 2997-3004.	3.2	51
10	Enhanced Osteogenesis of Human Mesenchymal Stem Cells by Periodic Heat Shock in Self-Assembling Peptide Hydrogel. Tissue Engineering - Part A, 2013, 19, 716-728.	1.6	111
11	Realâ€time detection of cellular death receptorâ€4 activation by fluorescence resonance energy transfer. Biotechnology and Bioengineering, 2013, 110, 1396-1404.	1.7	3
12	Simulation and Analysis of a Flow Profile and Reaction Rate Within a 3D Microfluidic Cell Culture Array. , 2013, , .		1
13	Dynamic Effect of Heat Shock Pretreatment on Apoptotic Responses to TNF-Î± in Liver Cells. Journal of Biomechanical Engineering, 2009, 131, 071003.	0.6	1
14	HSP70 kinetics study by continuous observation of HSPâ€“GFP fusion protein expression on a perfusion heating stage. Biotechnology and Bioengineering, 2008, 99, 146-154.	1.7	42
15	Three-Dimensional Primary Hepatocyte Culture in Synthetic Self-Assembling Peptide Hydrogel. Tissue Engineering - Part A, 2008, 14, 227-236.	1.6	144
16	Correlation of HSP70 Expression and Cell Viability Following Thermal Stimulation of Bovine Aortic Endothelial Cells. Journal of Biomechanical Engineering, 2005, 127, 751-757.	0.6	40
17	Kinetics Study of Endogenous Heat Shock Protein 70 Expression. Journal of Biomechanical Engineering, 2003, 125, 794-797.	0.6	75