

# Sihong Wang

## List of Publications by Year in descending order

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

Version: 2024-02-01

17  
papers

661  
citations

840585

11  
h-index

940416

16  
g-index

18  
all docs

18  
docs citations

18  
times ranked

1113  
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-Dimensional Primary Hepatocyte Culture in Synthetic Self-Assembling Peptide Hydrogel. <i>Tissue Engineering - Part A</i> , 2008, 14, 227-236.	1.6	144
2	Enhanced Osteogenesis of Human Mesenchymal Stem Cells by Periodic Heat Shock in Self-Assembling Peptide Hydrogel. <i>Tissue Engineering - Part A</i> , 2013, 19, 716-728.	1.6	111
3	Kinetics Study of Endogenous Heat Shock Protein 70 Expression. <i>Journal of Biomechanical Engineering</i> , 2003, 125, 794-797.	0.6	75
4	Microfluidic cell chips for high-throughput drug screening. <i>Bioanalysis</i> , 2016, 8, 921-937.	0.6	59
5	Three Dimensional Microfluidic Cell Arrays for <i>ex Vivo</i> Drug Screening with Mimicked Vascular Flow. <i>Analytical Chemistry</i> , 2014, 86, 2997-3004.	3.2	51
6	HSP70 kinetics study by continuous observation of HSP-GFP fusion protein expression on a perfusion heating stage. <i>Biotechnology and Bioengineering</i> , 2008, 99, 146-154.	1.7	42
7	Correlation of HSP70 Expression and Cell Viability Following Thermal Stimulation of Bovine Aortic Endothelial Cells. <i>Journal of Biomechanical Engineering</i> , 2005, 127, 751-757.	0.6	40
8	Downregulation of Heat Shock Protein 70 Impairs Osteogenic and Chondrogenic Differentiation in Human Mesenchymal Stem Cells. <i>Scientific Reports</i> , 2018, 8, 553.	1.6	37
9	High-Throughput Tumor-on-a-Chip Platform to Study Tumor-Stroma Interactions and Drug Pharmacokinetics. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000880.	3.9	31
10	CRISPR/Cas9-mediated mutagenesis to validate the synergy between PARP1 inhibition and chemotherapy in BRCA1-mutated breast cancer cells. <i>Bioengineering and Translational Medicine</i> , 2020, 5, e10152.	3.9	31
11	Periodic Heat Shock Accelerated the Chondrogenic Differentiation of Human Mesenchymal Stem Cells in Pellet Culture. <i>PLoS ONE</i> , 2014, 9, e91561.	1.1	25
12	A multifunctional microfluidic platform for generation, trapping and release of droplets in a double laminar flow. <i>Journal of Biotechnology</i> , 2017, 251, 106-111.	1.9	7
13	Real-time detection of cellular death receptor4 activation by fluorescence resonance energy transfer. <i>Biotechnology and Bioengineering</i> , 2013, 110, 1396-1404.	1.7	3
14	Tuning Thermal Dosage to Facilitate Mesenchymal Stem Cell Osteogenesis in Pro-Inflammatory Environment. <i>Journal of Biomechanical Engineering</i> , 2021, 143, .	0.6	2
15	Dynamic Effect of Heat Shock Pretreatment on Apoptotic Responses to TNF- $\alpha$ in Liver Cells. <i>Journal of Biomechanical Engineering</i> , 2009, 131, 071003.	0.6	1
16	Simulation and Analysis of a Flow Profile and Reaction Rate Within a 3D Microfluidic Cell Culture Array. , 2013, , .		1
17	Apoptosis detection via automated algorithms to analyze biomarker translocation in reporter cells. <i>Biotechnology and Bioengineering</i> , 2020, 117, 1470-1482.	1.7	1