

Jungho Ahn

List of Publications by Year in descending order

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15
papers

958
citations

840776

11
h-index

996975

15
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15
all docs

15
docs citations

15
times ranked

1592
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of highly functional bioengineered human liver with perfusable vasculature. <i>Biomaterials</i> , 2021, 265, 120417.	11.4	24
2	3D High-Content Culturing and Drug Screening Platform to Study Vascularized Hepatocellular Carcinoma in Hypoxic Condition. <i>Advanced NanoBiomed Research</i> , 2021, 1, 2100078.	3.6	3
3	Pneumatically Actuated Microfluidic Platform for Reconstituting 3D Vascular Tissue Compression. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2027.	2.5	12
4	Polymeric Nanoparticles Controlled by On-Chip Self-Assembly Enhance Cancer Treatment Effectiveness. <i>Advanced Healthcare Materials</i> , 2020, 9, 2001633.	7.6	6
5	Tumor spheroid-on-a-chip: a standardized microfluidic culture platform for investigating tumor angiogenesis. <i>Lab on A Chip</i> , 2019, 19, 2822-2833.	6.0	135
6	3D Microfluidic Bone Tumor Microenvironment Comprised of Hydroxyapatite/Fibrin Composite. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 168.	4.1	49
7	Microfluidics in nanoparticle drug delivery; From synthesis to pre-clinical screening. <i>Advanced Drug Delivery Reviews</i> , 2018, 128, 29-53.	13.7	159
8	Detecting the functional complexities between high-density lipoprotein mimetics. <i>Biomaterials</i> , 2018, 170, 58-69.	11.4	17
9	Probing the Effect of Bioinspired Nanomaterials on Angiogenic Sprouting With a Microengineered Vascular System. <i>IEEE Nanotechnology Magazine</i> , 2018, 17, 393-397.	2.0	8
10	PDMS Sylgard 527-Based Freely Suspended Ultrathin Membranes Exhibiting Mechanistic Characteristics of Vascular Basement Membranes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 40388-40400.	8.0	6
11	Investigation on vascular cytotoxicity and extravascular transport of cationic polymer nanoparticles using perfusable 3D microvessel model. <i>Acta Biomaterialia</i> , 2018, 76, 154-163.	8.3	26
12	Biomimetic Model of Tumor Microenvironment on Microfluidic Platform. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700196.	7.6	102
13	A Low Permeability Microfluidic Blood-Brain Barrier Platform with Direct Contact between Perfusable Vascular Network and Astrocytes. <i>Scientific Reports</i> , 2017, 7, 8083.	3.3	188
14	Tumor Microenvironment on a Chip: The Progress and Future Perspective. <i>Bioengineering</i> , 2017, 4, 64.	3.5	56
15	Interstitial flow regulates the angiogenic response and phenotype of endothelial cells in a 3D culture model. <i>Lab on A Chip</i> , 2016, 16, 4189-4199.	6.0	167