

Minhwan Chung

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/823275/publications.pdf>

Version: 2024-02-01

18
papers

1,708
citations

687363

13
h-index

888059

17
g-index

21
all docs

21
docs citations

21
times ranked

2269
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering of functional, perfusable 3D microvascular networks on a chip. Lab on A Chip, 2013, 13, 1489.	6.0	717
2	Interstitial flow regulates the angiogenic response and phenotype of endothelial cells in a 3D culture model. Lab on A Chip, 2016, 16, 4189-4199.	6.0	167
3	Three-dimensional biomimetic model to reconstitute sprouting lymphangiogenesis in vitro. Biomaterials, 2016, 78, 115-128.	11.4	125
4	Engineering of a Biomimetic Pericyte-Covered 3D Microvascular Network. PLoS ONE, 2015, 10, e0133880.	2.5	117
5	Biomimetic Model of Tumor Microenvironment on Microfluidic Platform. Advanced Healthcare Materials, 2017, 6, 1700196.	7.6	102
6	3D brain angiogenesis model to reconstitute functional human blood-brain barrier in vitro. Biotechnology and Bioengineering, 2020, 117, 748-762.	3.3	79
7	A bioengineered array of 3D microvessels for vascular permeability assay. Microvascular Research, 2014, 91, 90-98.	2.5	76
8	Microfluidic-based vascularized microphysiological systems. Lab on A Chip, 2018, 18, 2686-2709.	6.0	74
9	Microfluidics within a well: an injection-molded plastic array 3D culture platform. Lab on A Chip, 2018, 18, 2433-2440.	6.0	73
10	Wet AMD on a Chip: Modeling Outer Blood-Retinal Barrier In Vitro. Advanced Healthcare Materials, 2018, 7, 1700028.	7.6	54
11	Microvasculature: An essential component for organ-on-chip systems. MRS Bulletin, 2014, 39, 51-59.	3.5	38
12	Microfluidic platform for single cell analysis under dynamic spatial and temporal stimulation. Biosensors and Bioelectronics, 2018, 104, 58-64.	10.1	33
13	A mitochondrial contribution to anti-inflammatory shear stress signaling in vascular endothelial cells. Journal of Cell Biology, 2022, 221, .	5.2	23
14	From microchannels to microphysiological systems: Development of application specific devices. Microelectronic Engineering, 2018, 202, 9-18.	2.4	7
15	Relationship between Pericytes and Endothelial Cells in Retinal Neovascularization: A Histological and Immunofluorescent Study of Retinal Angiogenesis. Korean Journal of Ophthalmology: KJO, 2018, 32, 70.	1.1	7
16	Identification of the First Selective Activin Receptor-Like Kinase 1 Inhibitor, a Reversible Version of L-783277. Journal of Medicinal Chemistry, 2017, 60, 1495-1508.	6.4	4
17	BBB-on-a-Chip: Modeling Functional Human Blood-Brain Barrier by Mimicking 3D Brain Angiogenesis Using Microfluidic Chip. Methods in Molecular Biology, 2022, , 251-263.	0.9	2
18	Macular Degeneration: Wet AMD on a Chip: Modeling Outer Blood-Retinal Barrier In Vitro (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	7.6	