

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