

Yoojin Shin

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

2,909
citations

361413

20
h-index

454955

30
g-index

33
all docs

33
docs citations

33
times ranked

4445
citing authors

#	ARTICLE	IF	CITATIONS
1	Physiologic flow-conditioning limits vascular dysfunction in engineered human capillaries. <i>Biomaterials</i> , 2022, 280, 121248.	11.4	23
2	Engineered human blood-brain barrier microfluidic model for vascular permeability analyses. <i>Nature Protocols</i> , 2022, 17, 95-128.	12.0	79
3	Microheart: A microfluidic pump for functional vascular culture in microphysiological systems. <i>Journal of Biomechanics</i> , 2021, 119, 110330.	2.1	21
4	The CCL2-CCR2 astrocyte-cancer cell axis in tumor extravasation at the brain. <i>Science Advances</i> , 2021, 7, .	10.3	40
5	Microphysiological models of neurological disorders for drug development. <i>Current Opinion in Biomedical Engineering</i> , 2020, 13, 119-126.	3.4	18
6	Blood-brain Barrier Dysfunction in a 3D In Vitro Model of Alzheimer's Disease. <i>Advanced Science</i> , 2019, 6, 1900962.	11.2	168
7	Pre-Metastatic Niches: Macrophages-Triggered Sequential Remodeling of Endothelium-Interstitial Matrix to Form Pre-Metastatic Niche in Microfluidic Tumor Microenvironment (<i>Adv. Sci.</i> 11/2019). <i>Advanced Science</i> , 2019, 6, 1970068.	11.2	2
8	Macrophages-triggered Sequential Remodeling of Endothelium-Interstitial Matrix to Form Pre-Metastatic Niche in Microfluidic Tumor Microenvironment. <i>Advanced Science</i> , 2019, 6, 1900195.	11.2	74
9	In Vitro Microfluidic Models for Neurodegenerative Disorders. <i>Advanced Healthcare Materials</i> , 2018, 7, 1700489.	7.6	98
10	3D self-organized microvascular model of the human blood-brain barrier with endothelial cells, pericytes and astrocytes. <i>Biomaterials</i> , 2018, 180, 117-129.	11.4	499
11	On-chip human microvasculature assay for visualization and quantification of tumor cell extravasation dynamics. <i>Nature Protocols</i> , 2017, 12, 865-880.	12.0	297
12	Ethanol-dispersed and antibody-conjugated polymer nanofibers for the selective capture and 3-dimensional culture of EpCAM-positive cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 1617-1625.	3.3	16
13	Convective exosome-tracing microfluidics for analysis of cell-non-autonomous neurogenesis. <i>Biomaterials</i> , 2017, 112, 82-94.	11.4	39
14	Co-Culture of Tumor Spheroids and Fibroblasts in a Collagen Matrix-Incorporated Microfluidic Chip Mimics Reciprocal Activation in Solid Tumor Microenvironment. <i>PLoS ONE</i> , 2016, 11, e0159013.	2.5	205
15	Constructive remodeling of a synthetic endothelial extracellular matrix. <i>Scientific Reports</i> , 2016, 5, 18290.	3.3	28
16	Application of single-cell RNA sequencing in optimizing a combinatorial therapeutic strategy in metastatic renal cell carcinoma. <i>Genome Biology</i> , 2016, 17, 80.	8.8	170
17	Integrated Vascular Engineering: Vascularization of Reconstructed Tissue. , 2016, , 297-332.		3
18	<i>Clonorchis sinensis</i> Infestation Promotes Three-Dimensional Aggregation and Invasion of Cholangiocarcinoma Cells. <i>PLoS ONE</i> , 2014, 9, e110705.	2.5	19

#	ARTICLE	IF	CITATIONS
19	Reconstituting Vascular Microenvironment of Neural Stem Cell Niche in Three-dimensional Extracellular Matrix. <i>Advanced Healthcare Materials</i> , 2014, 3, 1457-1464.	7.6	58
20	Intratumoral phenotypic heterogeneity as an encourager of cancer invasion. <i>Integrative Biology (United Kingdom)</i> , 2014, 6, 654-661.	1.3	25
21	Implantable microfluidic device for the formation of three-dimensional vasculature by human endothelial progenitor cells. <i>Biotechnology and Bioprocess Engineering</i> , 2014, 19, 379-385.	2.6	16
22	Extracellular Matrix Heterogeneity Regulates Three-dimensional Morphologies of Breast Adenocarcinoma Cell Invasion. <i>Advanced Healthcare Materials</i> , 2013, 2, 790-794.	7.6	33
23	Hydrogels: Extracellular Matrix Heterogeneity Regulates Three-dimensional Morphologies of Breast Adenocarcinoma Cell Invasion (<i>Adv. Healthcare Mater.</i> 6/2013). <i>Advanced Healthcare Materials</i> , 2013, 2, 920-920.	7.6	1
24	A microfluidic array for quantitative analysis of human neural stem cell self-renewal and differentiation in three-dimensional hypoxic microenvironment. <i>Biomaterials</i> , 2013, 34, 6607-6614.	11.4	44
25	Three-dimensional extracellular matrix-mediated neural stem cell differentiation in a microfluidic device. <i>Lab on A Chip</i> , 2012, 12, 2305.	6.0	61
26	Microfluidic assay for simultaneous culture of multiple cell types on surfaces or within hydrogels. <i>Nature Protocols</i> , 2012, 7, 1247-1259.	12.0	518
27	A versatile assay for monitoring in vivo-like transendothelial migration of neutrophils. <i>Lab on A Chip</i> , 2012, 12, 3861.	6.0	93
28	Microfluidic platforms for the study of cancer metastasis. <i>Biomedical Engineering Letters</i> , 2012, 2, 72-77.	4.1	13
29	Sprouting Angiogenesis under a Chemical Gradient Regulated by Interactions with an Endothelial Monolayer in a Microfluidic Platform. <i>Analytical Chemistry</i> , 2011, 83, 8454-8459.	6.5	102
30	In vitro 3D collective sprouting angiogenesis under orchestrated ANG-1 and VEGF gradients. <i>Lab on A Chip</i> , 2011, 11, 2175.	6.0	142
31	Study of tumor angiogenesis using microfluidic approaches. , 0, , 330-346.		0