

Gi Seok Jeong

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

2,616
citations

304743

22
h-index

315739

38
g-index

45
all docs

45
docs citations

45
times ranked

4698
citing authors

#	ARTICLE	IF	CITATIONS
1	Establishment and Long-Term Expansion of Small Cell Lung Cancer Patient-Derived Tumor Organoids. International Journal of Molecular Sciences, 2021, 22, 1349.	4.1	23
2	Sporadic cell death in macroscale 3D tumor grafts with high drug resistance by activating cell-ECM interactions. Biofabrication, 2021, 13, 045022.	7.1	4
3	Long-term reversal of diabetes by subcutaneous transplantation of pancreatic islet cells and adipose-derived stem cell sheet using surface-immobilized heparin and engineered collagen scaffold. BMJ Open Diabetes Research and Care, 2020, 8, e001128.	2.8	6
4	Gaining New Biological and Therapeutic Applications into the Liver with 3D In Vitro Liver Models. Tissue Engineering and Regenerative Medicine, 2020, 17, 731-745.	3.7	13
5	Real-time monitoring of oncolytic VSV properties in a novel in vitro microphysiological system containing 3D multicellular tumor spheroids. PLoS ONE, 2020, 15, e0235356.	2.5	1
6	Multidimensional assembly using layer-by-layer deposition for synchronized cardiac macro tissues. RSC Advances, 2020, 10, 18806-18815.	3.6	2
7	Evaluation of Bystander Infection of Oncolytic Virus using a Medium Flow Integrated 3D In Vitro Microphysiological System. Advanced Biology, 2020, 4, 1900143.	3.0	6
8	Flow enhances phenotypic and maturation of adult rat liver organoids. Biofabrication, 2020, 12, 045035.	7.1	6
9	Title is missing!. , 2020, 15, e0235356.		0
10	Title is missing!. , 2020, 15, e0235356.		0
11	Title is missing!. , 2020, 15, e0235356.		0
12	A one-stop microfluidic-based lung cancer organoid culture platform for testing drug sensitivity. Lab on A Chip, 2019, 19, 2854-2865.	6.0	97
13	In vitro lung cancer multicellular tumor spheroid formation using a microfluidic device. Biotechnology and Bioengineering, 2019, 116, 3041-3052.	3.3	36
14	A cell-loss-free concave microwell array based size-controlled multi-cellular tumoroid generation for anti-cancer drug screening. PLoS ONE, 2019, 14, e0219834.	2.5	13
15	Patient-derived lung cancer organoids as in vitro cancer models for therapeutic screening. Nature Communications, 2019, 10, 3991.	12.8	409
16	Fibroblast-associated tumour microenvironment induces vascular structure-networked tumouroid. Scientific Reports, 2018, 8, 2365.	3.3	49
17	Directional migration of mesenchymal stem cells under an SDF-1 α gradient on a microfluidic device. PLoS ONE, 2017, 12, e0184595.	2.5	32
18	Verteporfin inhibits gastric cancer cell growth by suppressing adhesion molecule FAT1. Oncotarget, 2017, 8, 98887-98897.	1.8	22

#	ARTICLE	IF	CITATIONS
19	Viscoelastic lithography for fabricating self-organizing soft micro-honeycomb structures with ultra-high aspect ratios. <i>Nature Communications</i> , 2016, 7, 11269.	12.8	38
20	Networked neural spheroid by neuro-bundle mimicking nervous system created by topology effect. <i>Molecular Brain</i> , 2015, 8, 17.	2.6	52
21	Three-dimensional brain-on-a-chip with an interstitial level of flow and its application as an in vitro model of Alzheimer's disease. <i>Lab on A Chip</i> , 2015, 15, 141-150.	6.0	283
22	Cell encapsulation via microtechnologies. <i>Biomaterials</i> , 2014, 35, 2651-2663.	11.4	209
23	Microfluidic spinning of grooved microfiber for guided neuronal cell culture using surface tension mediated grooved round channel. <i>Tissue Engineering and Regenerative Medicine</i> , 2014, 11, 291-296.	3.7	16
24	Networked neuro-spheres formed by topological attractants for engineering of 3-dimensional nervous system. <i>Tissue Engineering and Regenerative Medicine</i> , 2014, 11, 297-303.	3.7	15
25	Immune-protected xenogeneic bioartificial livers with liver-specific microarchitecture and hydrogel-encapsulated cells. <i>Biomaterials</i> , 2014, 35, 8983-8991.	11.4	37
26	Siphon-driven microfluidic passive pump with a yarn flow resistance controller. <i>Lab on A Chip</i> , 2014, 14, 4213-4219.	6.0	43
27	Surface Tension-Mediated, Concave-Microwell Arrays for Large-Scale, Simultaneous Production of Homogeneously Sized Embryoid Bodies. <i>Advanced Healthcare Materials</i> , 2013, 2, 119-125.	7.6	48
28	Large-Scale, Ultrapliable, and Free-Standing Nanomembranes. <i>Advanced Materials</i> , 2013, 25, 2167-2173.	21.0	53
29	Single-step UV diffraction lithography to define a hydrophobic SU-8 interconnected hoodoo structure. <i>Microsystem Technologies</i> , 2013, 19, 1025-1032.	2.0	4
30	3D co-culturing model of primary pancreatic islets and hepatocytes in hybrid spheroid to overcome pancreatic cell shortage. <i>Biomaterials</i> , 2013, 34, 3784-3794.	11.4	63
31	Solderable and electroplatable flexible electronic circuit on a porous stretchable elastomer. <i>Nature Communications</i> , 2012, 3, 977.	12.8	199
32	Meniscus induced self organization of multiple deep concave wells in a microchannel for embryoid bodies generation. <i>Lab on A Chip</i> , 2012, 12, 159-166.	6.0	42
33	A low-energy-consumption electroactive valveless hydrogel micropump for long-term biomedical applications. <i>Lab on A Chip</i> , 2011, 11, 2910.	6.0	38
34	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
35	Digitally tunable physicochemical coding of material composition and topography in continuous microfibrils. <i>Nature Materials</i> , 2011, 10, 877-883.	27.5	397
36	A Durability Study of a Paracorporeal Pulsatile Electro-Mechanical Pneumatic Biventricular Assist Device. <i>Artificial Organs</i> , 2011, 35, 614-624.	1.9	1

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37	Microfluidic assay of endothelial cell migration in 3D interpenetrating polymer semi-network HA-Collagen hydrogel. Biomedical Microdevices, 2011, 13, 717-723.	2.8	46
38	Applications of micromixing technology. Analyst, The, 2010, 135, 460.	3.5	192
39	Optimal Pressure Regulation of the Pneumatic Ventricular Assist Device With Bellowsâ€™type Driver. Artificial Organs, 2009, 33, 627-633.	1.9	4
40	Development of a Closed Air Loop Electropneumatic Actuator for Driving a Pneumatic Blood Pump. Artificial Organs, 2009, 33, 657-662.	1.9	11
41	THE ULTRASONIC SENSOR SYSTEM FOR ESTIMATION OF FILLING AND EJECTION RATIO OF BLOOD SAC IN THE ELECTRO-PNEUMATIC BLOOD PUMP. ASAIO Journal, 2006, 52, 26A.	1.6	0
42	Computational analysis of the three-dimensional hemodynamics of the blood sac in the twin-pulse life-support system. Journal of Artificial Organs, 2005, 7, 174-180.	0.9	2