

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	Patient-derived lung cancer organoids as in vitro cancer models for therapeutic screening. Nature Communications, 2019, 10, 3991.	12.8	409
2	Digitally tunable physicochemical coding of material composition and topography in continuous microfibrils. Nature Materials, 2011, 10, 877-883.	27.5	397
3	Three-dimensional brain-on-a-chip with an interstitial level of flow and its application as an in vitro model of Alzheimer's disease. Lab on A Chip, 2015, 15, 141-150.	6.0	283
4	Cell encapsulation via microtechnologies. Biomaterials, 2014, 35, 2651-2663.	11.4	209
5	Solderable and electroplatable flexible electronic circuit on a porous stretchable elastomer. Nature Communications, 2012, 3, 977.	12.8	199
6	Applications of micromixing technology. Analyst, The, 2010, 135, 460.	3.5	192
7	Sprouting Angiogenesis under a Chemical Gradient Regulated by Interactions with an Endothelial Monolayer in a Microfluidic Platform. Analytical Chemistry, 2011, 83, 8454-8459.	6.5	102
8	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
9	3D co-culturing model of primary pancreatic islets and hepatocytes in hybrid spheroid to overcome pancreatic cell shortage. Biomaterials, 2013, 34, 3784-3794.	11.4	63
10	Large-scale, Ultrapliable, and Free-standing Nanomembranes. Advanced Materials, 2013, 25, 2167-2173.	21.0	53
11	Networked neural spheroid by neuro-bundle mimicking nervous system created by topology effect. Molecular Brain, 2015, 8, 17.	2.6	52
12	Fibroblast-associated tumour microenvironment induces vascular structure-networked tumouroid. Scientific Reports, 2018, 8, 2365.	3.3	49
13	Surface Tension-mediated, Concave Microwell Arrays for Large-scale, Simultaneous Production of Homogeneously Sized Embryoid Bodies. Advanced Healthcare Materials, 2013, 2, 119-125.	7.6	48
14	Microfluidic assay of endothelial cell migration in 3D interpenetrating polymer semi-network HA-Collagen hydrogel. Biomedical Microdevices, 2011, 13, 717-723.	2.8	46
15	Siphon-driven microfluidic passive pump with a yarn flow resistance controller. Lab on A Chip, 2014, 14, 4213-4219.	6.0	43
16	Meniscus induced self organization of multiple deep concave wells in a microchannel for embryoid bodies generation. Lab on A Chip, 2012, 12, 159-166.	6.0	42
17	A low-energy-consumption electroactive valveless hydrogel micropump for long-term biomedical applications. Lab on A Chip, 2011, 11, 2910.	6.0	38
18	Viscoelastic lithography for fabricating self-organizing soft micro-honeycomb structures with ultra-high aspect ratios. Nature Communications, 2016, 7, 11269.	12.8	38

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19	Immune-protected xenogeneic bioartificial livers with liver-specific microarchitecture and hydrogel-encapsulated cells. <i>Biomaterials</i> , 2014, 35, 8983-8991.	11.4	37
20	In vitro lung cancer multicellular tumor spheroid formation using a microfluidic device. <i>Biotechnology and Bioengineering</i> , 2019, 116, 3041-3052.	3.3	36
21	Directional migration of mesenchymal stem cells under an SDF-1 α gradient on a microfluidic device. <i>PLoS ONE</i> , 2017, 12, e0184595.	2.5	32
22	Establishment and Long-Term Expansion of Small Cell Lung Cancer Patient-Derived Tumor Organoids. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1349.	4.1	23
23	Verteporfin inhibits gastric cancer cell growth by suppressing adhesion molecule FAT1. <i>Oncotarget</i> , 2017, 8, 98887-98897.	1.8	22
24	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
25	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
26	A cell-loss-free concave microwell array based size-controlled multi-cellular tumoroid generation for anti-cancer drug screening. <i>PLoS ONE</i> , 2019, 14, e0219834.	2.5	13
27	Gaining New Biological and Therapeutic Applications into the Liver with 3D In Vitro Liver Models. <i>Tissue Engineering and Regenerative Medicine</i> , 2020, 17, 731-745.	3.7	13
28	Development of a Closed Air Loop Electropneumatic Actuator for Driving a Pneumatic Blood Pump. <i>Artificial Organs</i> , 2009, 33, 657-662.	1.9	11
29	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. <i>BMJ Open Diabetes Research and Care</i> , 2020, 8, e001128.	2.8	6
30	Evaluation of Bystander Infection of Oncolytic Virus using a Medium Flow Integrated 3D In Vitro Microphysiological System. <i>Advanced Biology</i> , 2020, 4, 1900143.	3.0	6
31	Flow enhances phenotypic and maturation of adult rat liver organoids. <i>Biofabrication</i> , 2020, 12, 045035.	7.1	6
32	Optimal Pressure Regulation of the Pneumatic Ventricular Assist Device With Bellows-Type Driver. <i>Artificial Organs</i> , 2009, 33, 627-633.	1.9	4
33	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
34	Sporadic cell death in macroscale 3D tumor grafts with high drug resistance by activating cell-ECM interactions. <i>Biofabrication</i> , 2021, 13, 045022.	7.1	4
35	Computational analysis of the three-dimensional hemodynamics of the blood sac in the twin-pulse life-support system. <i>Journal of Artificial Organs</i> , 2005, 7, 174-180.	0.9	2
36	Multidimensional assembly using layer-by-layer deposition for synchronized cardiac macro tissues. <i>RSC Advances</i> , 2020, 10, 18806-18815.	3.6	2

#	ARTICLE	IF	CITATIONS
37	A Durability Study of a Paracorporeal Pulsatile Electro-Mechanical Pneumatic Biventricular Assist Device. <i>Artificial Organs</i> , 2011, 35, 614-624.	1.9	1
38	Real-time monitoring of oncolytic VSV properties in a novel in vitro microphysiological system containing 3D multicellular tumor spheroids. <i>PLoS ONE</i> , 2020, 15, e0235356.	2.5	1
39	THE ULTRASONIC SENSOR SYSTEM FOR ESTIMATION OF FILLING AND EJECTION RATIO OF BLOOD SAC IN THE ELECTRO-PNEUMATIC BLOOD PUMP. <i>ASAIO Journal</i> , 2006, 52, 26A.	1.6	0
40	Title is missing!. , 2020, 15, e0235356.		0
41	Title is missing!. , 2020, 15, e0235356.		0
42	Title is missing!. , 2020, 15, e0235356.		0