

Hee-Gyeong Yi

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,790
citations

471371

17
h-index

610775

24
g-index

24
all docs

24
docs citations

24
times ranked

2755
citing authors

#	ARTICLE	IF	CITATIONS
1	A bioprinted human-glioblastoma-on-a-chip for the identification of patient-specific responses to chemoradiotherapy. <i>Nature Biomedical Engineering</i> , 2019, 3, 509-519.	11.6	403
2	3D Cell Printing of Functional Skeletal Muscle Constructs Using Skeletal Muscle-Derived Bioink. <i>Advanced Healthcare Materials</i> , 2016, 5, 2636-2645.	3.9	227
3	A 3D cell printed muscle construct with tissue-derived bioink for the treatment of volumetric muscle loss. <i>Biomaterials</i> , 2019, 206, 160-169.	5.7	213
4	A 3D-printed local drug delivery patch for pancreatic cancer growth suppression. <i>Journal of Controlled Release</i> , 2016, 238, 231-241.	4.8	192
5	3D Printing of Organs-On-Chips. <i>Bioengineering</i> , 2017, 4, 10.	1.6	140
6	3D Printed Tissue Models: Present and Future. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 1722-1731.	2.6	119
7	3D Cell Printed Tissue Analogues: A New Platform for Theranostics. <i>Theranostics</i> , 2017, 7, 3118-3137.	4.6	99
8	Three-dimensional printing of a patient-specific engineered nasal cartilage for augmentative rhinoplasty. <i>Journal of Tissue Engineering</i> , 2019, 10, 204173141882479.	2.3	59
9	Application of 3D bioprinting in the prevention and the therapy for human diseases. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 177.	7.1	55
10	3D Bioprinting of In Vitro Models Using Hydrogel-Based Bioinks. <i>Polymers</i> , 2021, 13, 366.	2.0	45
11	Evaluation of the Effective Diffusivity of a Freeform Fabricated Scaffold Using Computational Simulation. <i>Journal of Biomechanical Engineering</i> , 2013, 135, 84501.	0.6	29
12	Electromagnetically controllable osteoclast activity. <i>Bone</i> , 2014, 62, 99-107.	1.4	29
13	Muscle-derived extracellular matrix on sinusoidal wavy surfaces synergistically promotes myogenic differentiation and maturation. <i>Journal of Materials Chemistry B</i> , 2018, 6, 5530-5539.	2.9	28
14	Effect of an oxygen-generating scaffold on the viability and insulin secretion function of porcine neonatal pancreatic cell clusters. <i>Xenotransplantation</i> , 2018, 25, e12378.	1.6	26
15	Neural stem cell delivery using brain-derived tissue-specific bioink for recovering from traumatic brain injury. <i>Biofabrication</i> , 2021, 13, 044110.	3.7	24
16	A cell-laden hybrid fiber/hydrogel composite for ligament regeneration with improved cell delivery and infiltration. <i>Biomedical Materials (Bristol)</i> , 2017, 12, 055010.	1.7	20
17	Locally-applied 5-fluorouracil-loaded slow-release patch prevents pancreatic cancer growth in an orthotopic mouse model. <i>Oncotarget</i> , 2017, 8, 40140-40151.	0.8	18
18	Effects of electromagnetic field frequencies on chondrocytes in 3D cell-printed composite constructs. <i>Journal of Biomedical Materials Research - Part A</i> , 2016, 104, 1797-1804.	2.1	17

#	ARTICLE	IF	CITATIONS
19	Promoting Long-Term Cultivation of Motor Neurons for 3D Neuromuscular Junction Formation of 3D In Vitro Using Central Nervous Tissue-Derived Bioink. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100581.	3.9	14
20	Microphysiological Systems for Neurodegenerative Diseases in Central Nervous System. <i>Micromachines</i> , 2020, 11, 855.	1.4	10
21	3D Bioprinting of an In Vitro Model of a Biomimetic Urinary Bladder with a Contract-Release System. <i>Micromachines</i> , 2022, 13, 277.	1.4	9
22	3D Cell-Printed Hypoxic Cancer-on-a-Chip for Recapitulating Pathologic Progression of Solid Cancer. <i>Journal of Visualized Experiments</i> , 2021, , .	0.2	6
23	Introduction to bioprinting of <i>in vitro</i> cancer models. <i>Essays in Biochemistry</i> , 2021, 65, 603-610.	2.1	4