

Bugra Ayan

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,456
citations

489802

18
h-index

759306

22
g-index

24
all docs

24
docs citations

24
times ranked

2471
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative Effects of Basic Fibroblast Growth Factor Delivery or Voluntary Exercise on Muscle Regeneration after Volumetric Muscle Loss. <i>Bioengineering</i> , 2022, 9, 37.	1.6	7
2	Advances in three-dimensional bioprinted stem cell-based tissue engineering for cardiovascular regeneration. <i>Journal of Molecular and Cellular Cardiology</i> , 2022, 169, 13-27.	0.9	8
3	Fabrication of PDMS microfluidic devices using nanoclay-reinforced Pluronic F-127 as a sacrificial ink. <i>Biomedical Materials (Bristol)</i> , 2021, 16, 045005.	1.7	18
4	Studying Tumor Angiogenesis and Cancer Invasion in a Three-dimensional Vascularized Breast Cancer Microenvironment. <i>Advanced Biology</i> , 2021, 5, e2100090.	1.4	27
5	Recent advances in bioprinting technologies for engineering cardiac tissue. <i>Materials Science and Engineering C</i> , 2021, 124, 112057.	3.8	35
6	Aspiration-assisted bioprinting of co-cultured osteogenic spheroids for bone tissue engineering. <i>Biofabrication</i> , 2021, 13, 015013.	3.7	34
7	Hybrid Bioprinting of Zonally Stratified Human Articular Cartilage Using Scaffold-free Tissue Strands as Building Blocks. <i>Advanced Healthcare Materials</i> , 2020, 9, e2001657.	3.9	29
8	Aspiration-assisted bioprinting of the osteochondral interface. <i>Scientific Reports</i> , 2020, 10, 13148.	1.6	45
9	Aspiration-assisted freeform bioprinting of pre-fabricated tissue spheroids in a yield-stress gel. <i>Communications Physics</i> , 2020, 3, .	2.0	62
10	Aspiration-assisted bioprinting for precise positioning of biologics. <i>Science Advances</i> , 2020, 6, eaaw5111.	4.7	170
11	3D Bioprinting of Carbohydrazide-Modified Gelatin into Microparticle-Suspended Oxidized Alginate for the Fabrication of Complex-Shaped Tissue Constructs. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 20295-20306.	4.0	65
12	Extrusion-based printing of sacrificial Carbopol ink for fabrication of microfluidic devices. <i>Biofabrication</i> , 2019, 11, 034101.	3.7	30
13	Sprouting angiogenesis in engineered pseudo islets. <i>Biofabrication</i> , 2018, 10, 035003.	3.7	24
14	3D Printing of PDMS Improves Its Mechanical and Cell Adhesion Properties. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 682-693.	2.6	119
15	Squid Ring Teeth-coated Mesh Improves Abdominal Wall Repair. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2018, 6, e1881.	0.3	8
16	Developments with 3D bioprinting for novel drug discovery. <i>Expert Opinion on Drug Discovery</i> , 2018, 13, 1115-1129.	2.5	35
17	Challenges in Bio-fabrication of Organoid Cultures. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1107, 53-71.	0.8	29
18	Bioprinting for vascular and vascularized tissue biofabrication. <i>Acta Biomaterialia</i> , 2017, 51, 1-20.	4.1	327

#	ARTICLE	IF	CITATIONS
19	3D bioprinting for drug discovery and development in pharmaceuticals. <i>Acta Biomaterialia</i> , 2017, 57, 26-46.	4.1	229
20	Bone tissue bioprinting for craniofacial reconstruction. <i>Biotechnology and Bioengineering</i> , 2017, 114, 2424-2431.	1.7	40
21	On-Chip Production of Size-Controlled Liquid Metal Microdroplets Using Acoustic Waves. <i>Small</i> , 2016, 12, 3861-3869.	5.2	84
22	Acoustofluidic coating of particles and cells. <i>Lab on A Chip</i> , 2016, 16, 4366-4372.	3.1	27