Bugra Ayan

List of Publications by Year in descending order

22 papers	1,456 citations	430843 18 h-index	677123 22 g-index
24 all docs	24 docs citations	24 times ranked	2189 citing authors

#	Article	IF	Citations
1	Comparative Effects of Basic Fibroblast Growth Factor Delivery or Voluntary Exercise on Muscle Regeneration after Volumetric Muscle Loss. Bioengineering, 2022, 9, 37.	3.5	7
2	Advances in three-dimensional bioprinted stem cell-based tissue engineering for cardiovascular regeneration. Journal of Molecular and Cellular Cardiology, 2022, 169, 13-27.	1.9	8
3	Fabrication of PDMS microfluidic devices using nanoclay-reinforced Pluronic F-127 as a sacrificial ink. Biomedical Materials (Bristol), 2021, 16, 045005.	3.3	18
4	Studying Tumor Angiogenesis and Cancer Invasion in a Threeâ€Dimensional Vascularized Breast Cancer Microâ€Environment. Advanced Biology, 2021, 5, e2100090.	2.5	27
5	Recent advances in bioprinting technologies for engineering cardiac tissue. Materials Science and Engineering C, 2021, 124, 112057.	7.3	35
6	Aspiration-assisted bioprinting of co-cultured osteogenic spheroids for bone tissue engineering. Biofabrication, 2021, 13, 015013.	7.1	34
7	Hybrid Bioprinting of Zonally Stratified Human Articular Cartilage Using Scaffoldâ€Free Tissue Strands as Building Blocks. Advanced Healthcare Materials, 2020, 9, e2001657.	7.6	29
8	Aspiration-assisted bioprinting of the osteochondral interface. Scientific Reports, 2020, 10, 13148.	3.3	45
9	Aspiration-assisted freeform bioprinting of pre-fabricated tissue spheroids in a yield-stress gel. Communications Physics, 2020, 3, .	5.3	62
10	Aspiration-assisted bioprinting for precise positioning of biologics. Science Advances, 2020, 6, eaaw5111.	10.3	170
11	3D Bioprinting of Carbohydrazide-Modified Gelatin into Microparticle-Suspended Oxidized Alginate for the Fabrication of Complex-Shaped Tissue Constructs. ACS Applied Materials & Interfaces, 2020, 12, 20295-20306.	8.0	65
12	Extrusion-based printing of sacrificial Carbopol ink for fabrication of microfluidic devices. Biofabrication, 2019, 11, 034101.	7.1	30
13	Sprouting angiogenesis in engineered pseudo islets. Biofabrication, 2018, 10, 035003.	7.1	24
14	3D Printing of PDMS Improves Its Mechanical and Cell Adhesion Properties. ACS Biomaterials Science and Engineering, 2018, 4, 682-693.	5.2	119
15	Squid Ring Teethâ€“coated Mesh Improves Abdominal Wall Repair. Plastic and Reconstructive Surgery - Global Open, 2018, 6, e1881.	0.6	8
16	Developments with 3D bioprinting for novel drug discovery. Expert Opinion on Drug Discovery, 2018, 13, 1115-1129.	5.0	35
17	Challenges in Bio-fabrication of Organoid Cultures. Advances in Experimental Medicine and Biology, 2018, 1107, 53-71.	1.6	29
18	Bioprinting for vascular and vascularized tissue biofabrication. Acta Biomaterialia, 2017, 51, 1-20.	8.3	327

#	Article	IF	Citations
19	3D bioprinting for drug discovery and development in pharmaceutics. Acta Biomaterialia, 2017, 57, 26-46.	8.3	229
20	Bone tissue bioprinting for craniofacial reconstruction. Biotechnology and Bioengineering, 2017, 114, 2424-2431.	3.3	40
21	Onâ€Chip Production of Sizeâ€Controllable Liquid Metal Microdroplets Using Acoustic Waves. Small, 2016, 12, 3861-3869.	10.0	84
22	Acoustofluidic coating of particles and cells. Lab on A Chip, 2016, 16, 4366-4372.	6.0	27