

Yimu Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,593
citations

516710

16
h-index

677142

22
g-index

25
all docs

25
docs citations

25
times ranked

2100
citing authors

#	ARTICLE	IF	CITATIONS
1	A Platform for Generation of Chamber-Specific Cardiac Tissues and Disease Modeling. <i>Cell</i> , 2019, 176, 913-927.e18.	28.9	398
2	Organ-on-a-Chip Platforms: A Convergence of Advanced Materials, Cells, and Microscale Technologies. <i>Advanced Healthcare Materials</i> , 2018, 7, 1700506.	7.6	227
3	A multi-organ chip with matured tissue niches linked by vascular flow. <i>Nature Biomedical Engineering</i> , 2022, 6, 351-371.	22.5	162
4	Cardiovascular disease models: A game changing paradigm in drug discovery and screening. <i>Biomaterials</i> , 2019, 198, 3-26.	11.4	149
5	Biomaterial based cardiac tissue engineering and its applications. <i>Biomedical Materials (Bristol)</i> , 2015, 10, 034004.	3.3	79
6	Highly Elastic and Moldable Polyester Biomaterial for Cardiac Tissue Engineering Applications. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 780-788.	5.2	79
7	Biowire Model of Interstitial and Focal Cardiac Fibrosis. <i>ACS Central Science</i> , 2019, 5, 1146-1158.	11.3	78
8	Engineering microenvironment for human cardiac tissue assembly in heart-on-a-chip platform. <i>Matrix Biology</i> , 2020, 85-86, 189-204.	3.6	70
9	Towards chamber specific heart-on-a-chip for drug testing applications. <i>Advanced Drug Delivery Reviews</i> , 2020, 165-166, 60-76.	13.7	52
10	The Role of Tissue Engineering and Biomaterials in Cardiac Regenerative Medicine. <i>Canadian Journal of Cardiology</i> , 2014, 30, 1307-1322.	1.7	49
11	The Effect of Serial Passaging on the Proliferation and Differentiation of Bovine Adipose-Derived Stem Cells. <i>Cells Tissues Organs</i> , 2012, 195, 414-427.	2.3	33
12	Biomaterials and Culture Systems for Development of Organoid and Organ-on-a-Chip Models. <i>Annals of Biomedical Engineering</i> , 2020, 48, 2002-2027.	2.5	33
13	A Multimaterial Microphysiological Platform Enabled by Rapid Casting of Elastic Microwires. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801187.	7.6	26
14	Kinase inhibitor screening using artificial neural networks and engineered cardiac biowires. <i>Scientific Reports</i> , 2017, 7, 11807.	3.3	25
15	A framework for developing sex-specific engineered heart models. <i>Nature Reviews Materials</i> , 2022, 7, 295-313.	48.7	22
16	Mapping signalling perturbations in myocardial fibrosis via the integrative phosphoproteomic profiling of tissue from diverse sources. <i>Nature Biomedical Engineering</i> , 2020, 4, 889-900.	22.5	17
17	Human pluripotent stem cell-derived cardiomyocyte based models for cardiotoxicity and drug discovery. <i>Expert Opinion on Drug Safety</i> , 2016, 15, 1455-1458.	2.4	16
18	milliPillar: A Platform for the Generation and Real-Time Assessment of Human Engineered Cardiac Tissues. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 5215-5229.	5.2	14

#	ARTICLE	IF	CITATIONS
19	Multilineage co-culture of adipose-derived stem cells for tissue engineering. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015, 9, 826-837.	2.7	7
20	Changes in extracellular matrix in failing human non-ischemic and ischemic hearts with mechanical unloading. <i>Journal of Molecular and Cellular Cardiology</i> , 2022, 166, 137-151.	1.9	4