

Joshua Tashman

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1529581/publications.pdf>

Version: 2024-02-01

14
papers

1,799
citations

840119

11
h-index

1058022

14
g-index

18
all docs

18
docs citations

18
times ranked

2588
citing authors

#	ARTICLE	IF	CITATIONS
1	3D bioprinting of collagen to rebuild components of the human heart. <i>Science</i> , 2019, 365, 482-487.	6.0	1,116
2	FRESH 3D Bioprinting a Full-Size Model of the Human Heart. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 6453-6459.	2.6	163
3	Organ-on-a-chip: Three-dimensional self-rolled biosensor array for electrical interrogations of human electrogenic spheroids. <i>Science Advances</i> , 2019, 5, eaax0729.	4.7	132
4	Emergence of FRESH 3D printing as a platform for advanced tissue biofabrication. <i>APL Bioengineering</i> , 2021, 5, 010904.	3.3	115
5	3D Bioprinting using UNiversal Orthogonal Network (UNION) Bioinks. <i>Advanced Functional Materials</i> , 2021, 31, 2007983.	7.8	55
6	Epitaxial growth of VO ₂ by periodic annealing. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	52
7	Dynamic loading of human engineered heart tissue enhances contractile function and drives a desmosome-linked disease phenotype. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	48
8	A high performance open-source syringe extruder optimized for extrusion and retraction during FRESH 3D bioprinting. <i>HardwareX</i> , 2021, 9, e00170.	1.1	36
9	FRESH 3D bioprinting a contractile heart tube using human stem cell-derived cardiomyocytes. <i>Biofabrication</i> , 2022, 14, 024106.	3.7	20
10	Fibronectin-based nanomechanical biosensors to map 3D surface strains in live cells and tissue. <i>Nature Communications</i> , 2020, 11, 5883.	5.8	18
11	3D printed biaxial stretcher compatible with live fluorescence microscopy. <i>HardwareX</i> , 2020, 7, e00095.	1.1	16
12	Long-Fiber Embedded Hydrogel 3D Printing for Structural Reinforcement. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 303-313.	2.6	10
13	Endothelial superoxide dismutase 2 is decreased in sickle cell disease and regulates fibronectin processing. <i>Function</i> , 2022, 3, zqac005.	1.1	3
14	FRESH 3D Bioprinted Collagen-based Resistance Vessels and Multiscale Vascular Microfluidics. <i>FASEB Journal</i> , 2022, 36, .	0.2	1