Joshua Tashman

List of Publications by Citations

14 papers	891 citations	9 h-index	18 g-index
18 ext. papers	1,358 ext. citations	9.8 avg, IF	4.68 L-index

#	Paper	IF	Citations
14	3D bioprinting of collagen to rebuild components of the human heart. *Science*, **2019**, 365, 482-487	33.3	629
13	FRESH 3D Bioprinting a Full-Size Model of the Human Heart. *ACS Biomaterials Science and Engineering*, **2020**, 6, 6453-6459	5.5	66
12	Organ-on-e-chip: Three-dimensional self-rolled biosensor array for electrical interrogations of human electrogenic spheroids. *Science Advances*, **2019**, 5, eaax0729	14.3	60
11	Epitaxial growth of VO2 by periodic annealing. *Applied Physics Letters*, **2014**, 104, 063104	3.4	44
10	Emergence of FRESH 3D printing as a platform for advanced tissue biofabrication. *APL Bioengineering*, **2021**, 5, 010904	6.6	30
9	Dynamic loading of human engineered heart tissue enhances contractile function and drives a desmosome-linked disease phenotype. *Science Translational Medicine*, **2021**, 13,	17.5	14
8	3D Bioprinting using UNIversal Orthogonal Network (UNION) Bioinks. *Advanced Functional Materials*, **2021**, 31, 2007983	15.6	13
7	3D printed biaxial stretcher compatible with live fluorescence microscopy.. *HardwareX*, **2020**, 7,	2.7	9
6	Fibronectin-based nanomechanical biosensors to map 3D surface strains in live cells and tissue. *Nature Communications*, **2020**, 11, 5883	17.4	9
5	A high performance open-source syringe extruder optimized for extrusion and retraction during FRESH 3D bioprinting. *HardwareX*, **2021**, 9,	2.7	9
4	FRESH 3D bioprinting a contractile heart tube using human stem cell-derived cardiomyocytes.. *Biofabrication*, **2022**,	10.5	3
3	Dynamic Loading of Human Engineered Heart Tissue Enhances Contractile Function and Drives Desmosome-linked Disease Phenotype		1
2	Fibronectin-Based Nanomechanical Biosensors to Map 3D Strains in Live Cells and Tissues		1
1	Endothelial superoxide dismutase 2 is decreased in sickle cell disease and regulates fibronectin processing.. *Function*, **2022**, 3, zqac005	6.1	0