

# Joshua Tashman

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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