

Yang Wu

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,051
citations

361045

20
h-index

610482

24
g-index

27
all docs

27
docs citations

27
times ranked

1429
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioprinting functional tissues. <i>Acta Biomaterialia</i> , 2019, 95, 32-49.	4.1	114
2	Essential steps in bioprinting: From pre- to post-bioprinting. <i>Biotechnology Advances</i> , 2018, 36, 1481-1504.	6.0	105
3	3D Bioprinting of Carbohydrazide-Modified Gelatin into Microparticle-Suspended Oxidized Alginate for the Fabrication of Complex-Shaped Tissue Constructs. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 20295-20306.	4.0	65
4	Aspiration-assisted freeform bioprinting of pre-fabricated tissue spheroids in a yield-stress gel. <i>Communications Physics</i> , 2020, 3, .	2.0	62
5	Intraoperative Bioprinting: Repairing Tissues and Organs in a Surgical Setting. <i>Trends in Biotechnology</i> , 2020, 38, 594-605.	4.9	62
6	Fibre-based scaffolding techniques for tendon tissue engineering. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, 1798-1821.	1.3	61
7	Direct E-jet printing of three-dimensional fibrous scaffold for tendon tissue engineering. , 2017, 105, 616-627.		50
8	3D bioprinting for modelling vasculature. <i>Microphysiological Systems</i> , 2018, 1, 1-1.	2.0	48
9	Three-Dimensional Bioprinting of Articular Cartilage: A Systematic Review. <i>Cartilage</i> , 2021, 12, 76-92.	1.4	46
10	Aspiration-assisted bioprinting of the osteochondral interface. <i>Scientific Reports</i> , 2020, 10, 13148.	1.6	45
11	Biological physically unclonable function. <i>Communications Physics</i> , 2019, 2, .	2.0	44
12	Crimped fiber with controllable patterns fabricated via electrohydrodynamic jet printing. <i>Materials and Design</i> , 2017, 131, 384-393.	3.3	36
13	Fabrication and evaluation of electrohydrodynamic jet 3D printed polycaprolactone/chitosan cell carriers using human embryonic stem cell-derived fibroblasts. <i>Journal of Biomaterials Applications</i> , 2016, 31, 181-192.	1.2	35
14	Developments with 3D bioprinting for novel drug discovery. <i>Expert Opinion on Drug Discovery</i> , 2018, 13, 1115-1129.	2.5	35
15	Mechanically-enhanced three-dimensional scaffold with anisotropic morphology for tendon regeneration. <i>Journal of Materials Science: Materials in Medicine</i> , 2016, 27, 115.	1.7	33
16	Electrohydrodynamic jet 3D printing in biomedical applications. <i>Acta Biomaterialia</i> , 2021, 128, 21-41.	4.1	30
17	Challenges in Bio-fabrication of Organoid Cultures. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1107, 53-71.	0.8	29
18	Hybrid Bioprinting of Zonally Stratified Human Articular Cartilage Using Scaffold-Free Tissue Strands as Building Blocks. <i>Advanced Healthcare Materials</i> , 2020, 9, e2001657.	3.9	29

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19	Degradation behaviors of geometric cues and mechanical properties in a 3D scaffold for tendon repair. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 1138-1149.	2.1	27
20	Pluronic F127 blended polycaprolactone scaffolds via e-jetting for esophageal tissue engineering. <i>Journal of Materials Science: Materials in Medicine</i> , 2018, 29, 140.	1.7	25
21	Porous tissue strands: avascular building blocks for scalable tissue fabrication. <i>Biofabrication</i> , 2019, 11, 015009.	3.7	22
22	Fabrication of dentin-like scaffolds through combined 3D printing and bio-mineralisation. <i>Cogent Engineering</i> , 2016, 3, 1222777.	1.1	15
23	A hybrid electrospinning and electrospraying 3D printing for tissue engineered scaffolds. <i>Rapid Prototyping Journal</i> , 2017, 23, 1011-1019.	1.6	12
24	Biological One-Way Functions for Secure Key Generation. <i>Advanced Theory and Simulations</i> , 2019, 2, 1800154.	1.3	11
25	3D Coaxial Bioprinting of Vasculature. <i>Methods in Molecular Biology</i> , 2020, 2140, 171-181.	0.4	8
26	Crimped Fiber Printing via E-Jetting for Tissue Engineering. , 2017, , .		2
27	A Scaffold Free 3D Bioprinted Cartilage Model for In Vitro Toxicology. <i>Methods in Molecular Biology</i> , 2021, 2147, 175-183.	0.4	0