Yang Wu

List of Publications by Year
in descending order

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	Three-Dimensional Bioprinting of Articular Cartilage: A Systematic Review. Cartilage, 2021, 12, 76-92.	1.4	46
2	Electrohydrodynamic jet 3D printing in biomedical applications. Acta Biomaterialia, 2021, 128, 21-41.	4.1	30
3	A Scaffold Free 3D Bioprinted Cartilage Model for In Vitro Toxicology. Methods in Molecular Biology, 2021, 2147, 175-183.	0.4	0
4	Hybrid Bioprinting of Zonally Stratified Human Articular Cartilage Using Scaffoldâ€Free Tissue Strands as Building Blocks. Advanced Healthcare Materials, 2020, 9, e2001657.	3.9	29
5	Aspiration-assisted bioprinting of the osteochondral interface. Scientific Reports, 2020, 10, 13148.	1.6	45
6	Aspiration-assisted freeform bioprinting of pre-fabricated tissue spheroids in a yield-stress gel. Communications Physics, 2020, 3, .	2.0	62
7	Intraoperative Bioprinting: Repairing Tissues and Organs in a Surgical Setting. Trends in Biotechnology, 2020, 38, 594-605.	4.9	62
8	3D Bioprinting of Carbohydrazide-Modified Gelatin into Microparticle-Suspended Oxidized Alginate for the Fabrication of Complex-Shaped Tissue Constructs. ACS Applied Materials & Interfaces, 2020, 12, 20295-20306.	4.0	65
9	3D Coaxial Bioprinting of Vasculature. Methods in Molecular Biology, 2020, 2140, 171-181.	0.4	8
10	Bioprinting functional tissues. Acta Biomaterialia, 2019, 95, 32-49.	4.1	114
11	Biological physically unclonable function. Communications Physics, 2019, 2, .	2.0	44
12	Biological Oneâ€Way Functions for Secure Key Generation. Advanced Theory and Simulations, 2019, 2, 1800154.	1.3	11
13	Porous tissue strands: avascular building blocks for scalable tissue fabrication. Biofabrication, 2019, 11, 015009.	3.7	22
14	3D bioprinting for modelling vasculature. Microphysiological Systems, 2018, 1, 1-1.	2.0	48
15	Developments with 3D bioprinting for novel drug discovery. Expert Opinion on Drug Discovery, 2018, 13, 1115-1129.	2.5	35
16	Challenges in Bio-fabrication of Organoid Cultures. Advances in Experimental Medicine and Biology, 2018, 1107, 53-71.	0.8	29
17	Essential steps in bioprinting: From pre- to post-bioprinting. Biotechnology Advances, 2018, 36, 1481-1504.	6.0	105
18	Fibre-based scaffolding techniques for tendon tissue engineering. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, 1798-1821.	1.3	61

#	Article	IF	Citations
19	Pluronic F127 blended polycaprolactone scaffolds via e-jetting for esophageal tissue engineering. Journal of Materials Science: Materials in Medicine, 2018, 29, 140.	1.7	25
20	Direct E-jet printing of three-dimensional fibrous scaffold for tendon tissue engineering. , 2017, 105, 616-627.		50
21	Crimped fiber with controllable patterns fabricated via electrohydrodynamic jet printing. Materials and Design, 2017, 131, 384-393.	3.3	36
22	A hybrid electrospinning and electrospraying 3D printing for tissue engineered scaffolds. Rapid Prototyping Journal, 2017, 23, 1011-1019.	1.6	12
23	Crimped Fiber Printing via E-Jetting for Tissue Engineering. , 2017, , .		2
24	Degradation behaviors of geometric cues and mechanical properties in a 3D scaffold for tendon repair. Journal of Biomedical Materials Research - Part A, 2017, 105, 1138-1149.	2.1	27
25	Fabrication of dentin-like scaffolds through combined 3D printing and bio-mineralisation. Cogent Engineering, 2016, 3, 1222777.	1.1	15
26	Mechanically-enhanced three-dimensional scaffold with anisotropic morphology for tendon regeneration. Journal of Materials Science: Materials in Medicine, 2016, 27, 115.	1.7	33
27	Fabrication and evaluation of electrohydrodynamic jet 3D printed polycaprolactone/chitosan cell carriers using human embryonic stem cell-derived fibroblasts. Journal of Biomaterials Applications, 2016, 31, 181-192.	1.2	35