Jiongyu Ren

List of Publications by Year in descending order

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LIONCYLL REN

#	Article	IF	CITATIONS
1	Meltâ€electrospun polycaprolactone strontiumâ€substituted bioactive glass scaffolds for bone regeneration. Journal of Biomedical Materials Research - Part A, 2014, 102, 3140-3153.	4.0	77
2	A preclinical large-animal model for the assessment of critical-size load-bearing bone defect reconstruction. Nature Protocols, 2020, 15, 877-924.	12.0	75
3	Improved fabrication of melt electrospun tissue engineering scaffolds using direct writing and advanced electric field control. Biointerphases, 2015, 10, 011006.	1.6	67
4	Rheological Characterization of Biomaterials Directs Additive Manufacturing of Strontium‣ubstituted Bioactive Class/Polycaprolactone Microfibers. Macromolecular Rapid Communications, 2019, 40, e1900019.	3.9	38
5	Microenvironment engineering of osteoblastic bone metastases reveals osteomimicry of patient-derived prostate cancer xenografts. Biomaterials, 2019, 220, 119402.	11.4	28
6	Development of Mechanically Enhanced Polycaprolactone Composites by a Functionalized Titanate Nanofiller for Melt Electrowriting in 3D Printing. ACS Applied Materials & Interfaces, 2020, 12, 47993-48006.	8.0	20
7	In vitro and in vivo investigation of a zonal microstructured scaffold for osteochondral defect repair. Biomaterials, 2022, 286, 121548.	11.4	19
8	Investigation of Sustained BMP Delivery in the Prevention of Medicationâ€Related Osteonecrosis of the Jaw (MRONJ) in a Rat Model. Macromolecular Bioscience, 2019, 19, e1900226.	4.1	16
9	Highly substituted calcium silicates 3D printed with complex architectures to produce stiff, strong and bioactive scaffolds for bone regeneration. Applied Materials Today, 2021, 25, 101230.	4.3	12
10	Enzymeâ€Ðegradable 3D Multiâ€Material Microstructures. Advanced Functional Materials, 2021, 31, 2006998.	14.9	11
11	Additive manufacturing enables personalised porous high-density polyethylene surgical implant manufacturing with improved tissue and vascular ingrowth. Applied Materials Today, 2021, 22, 100965.	4.3	10
12	Poly-ε-Caprolactone/Fibrin-Alginate Scaffold: A New Pro-Angiogenic Composite Biomaterial for the Treatment of Bone Defects. Polymers, 2021, 13, 3399.	4.5	10
13	Development of 3D Printed Biodegradable Mesh with Antimicrobial Properties for Pelvic Organ Prolapse. Polymers, 2022, 14, 763.	4.5	10
14	Using melt-electrowritten microfibres for tailoring scaffold mechanics of 3D bioprinted chondrocyte-laden constructs. Bioprinting, 2021, 23, e00158.	5.8	7
15	The Patenting and Technological Trends in Hernia Mesh Implants. Tissue Engineering - Part B: Reviews, 2021, 27, 48-73.	4.8	5
16	Melt-electrospun polycaprolactone-strontium substituted bioactive glass scaffolds for bone regeneration. Journal of Biomedical Materials Research - Part A, 2013, 102, n/a-n/a.	4.0	2
17	Ultrasound Imaging Offers Promising Alternative to Create 3-D Models for Personalised Auricular Implants. Ultrasound in Medicine and Biology, 2022, 48, 450-459.	1.5	2