

Jiongyu Ren

List of Publications by Year in descending order

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17
papers

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933410

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593
citing authors

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