

Materials design for bone-tissue engineering

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Micro-Architectural Investigation of Teleost Fish Rib Inducing Pliant Mechanical Property. <i>Materials</i> , 2020, 13, 5099.	1.3	5
2	Electrochemically Enabled Embedded Three-Dimensional Printing of Freestanding Gallium Wire-like Structures. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 53966-53972.	4.0	30
3	Tooth-Supporting Hard Tissue Regeneration Using Biopolymeric Material Fabrication Strategies. <i>Molecules</i> , 2020, 25, 4802.	1.7	12
4	Machine Learning-Guided Three-Dimensional Printing of Tissue Engineering Scaffolds. <i>Tissue Engineering - Part A</i> , 2020, 26, 1359-1368.	1.6	52
5	Strategies for Using Polydopamine to Induce Biomineralization of Hydroxyapatite on Implant Materials for Bone Tissue Engineering. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6544.	1.8	43
6	Extreme biomineralization: the case of the hypermineralized ear bone of gray whale (<i>Eschrichtius</i>) Tj ETQq1 1 0.784314 rgBT /Overload	1.1	12
7	Composite Fiber Networks Based on Polycaprolactone and Bioactive Glass-Ceramics for Tissue Engineering Applications. <i>Polymers</i> , 2020, 12, 1806.	2.0	15
8	Melt-based, solvent-free additive manufacturing of biodegradable polymeric scaffolds with designer microstructures for tailored mechanical/biological properties and clinical applications. <i>Virtual and Physical Prototyping</i> , 2020, 15, 417-444.	5.3	21
9	Gelatin Methacryloyl (GelMA) Nanocomposite Hydrogels Embedding Bioactive Naringin Liposomes. <i>Polymers</i> , 2020, 12, 2944.	2.0	23
10	Regenerative Approaches for the Treatment of Large Bone Defects. <i>Tissue Engineering - Part B: Reviews</i> , 2021, 27, 539-547.	2.5	50
11	Corneal endothelium tissue engineering: An evolution of signaling molecules, cells, and scaffolds toward 3D bioprinting and cell sheets. <i>Journal of Cellular Physiology</i> , 2021, 236, 3275-3303.	2.0	20
12	Measurement methods for the mechanical testing and biocompatibility assessment of polymer-ceramic connective tissue replacements. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 171, 108733.	2.5	11
13	Honeycomb Scaffolds Fabricated Using Extrusion Molding and the Sphere-Packing Theory for Bone Regeneration. <i>ACS Applied Bio Materials</i> , 2021, 4, 721-730.	2.3	22
14	Hierarchical and heterogeneous hydrogel system as a promising strategy for diversified interfacial tissue regeneration. <i>Biomaterials Science</i> , 2021, 9, 1547-1573.	2.6	17
15	In vitro and 48 weeks in vivo performances of 3D printed porous Fe-30Mn biodegradable scaffolds. <i>Acta Biomaterialia</i> , 2021, 121, 724-740.	4.1	28
16	Graphene-Based Biomaterials for Bone Regenerative Engineering: A Comprehensive Review of the Field and Considerations Regarding Biocompatibility and Biodegradation. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001414.	3.9	50
17	Applications of Hydrogel with Special Physical Properties in Bone and Cartilage Regeneration. <i>Materials</i> , 2021, 14, 235.	1.3	33
18	Combining Sclerostin Neutralization with Tissue Engineering: An Improved Strategy for Craniofacial Bone Repair. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0

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20	Bioceramic-Starch Paste Design for Additive Manufacturing and Alternative Fabrication Methods Applied for Developing Biomedical Scaffolds. <i>Gels Horizons: From Science To Smart Materials</i> , 2021, , 261-296.	0.3	0
21	Anionic diketopiperazine induces osteogenic differentiation and supports osteogenesis in a 3D cryogel microenvironment. <i>Chemical Communications</i> , 2021, 57, 7422-7425.	2.2	3
22	Engineering next-generation bioinks with nanoparticles: moving from reinforcement fillers to multifunctional nanoelements. <i>Journal of Materials Chemistry B</i> , 2021, 9, 5025-5038.	2.9	25
23	Trabecular bone organoid model for studying the regulation of localized bone remodeling. <i>Science Advances</i> , 2021, 7, .	4.7	48
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25	Highly porous and elastic aerogel based on ultralong hydroxyapatite nanowires for high-performance bone regeneration and neovascularization. <i>Journal of Materials Chemistry B</i> , 2021, 9, 1277-1287.	2.9	33
26	3D printing of Cu-doped bioactive glass composite scaffolds promotes bone regeneration through activating the HIF-1 α and TNF- α pathway of hUVECs. <i>Biomaterials Science</i> , 2021, 9, 5519-5532.	2.6	43
27	Demineralized and decellularized bone extracellular matrix-incorporated electrospun nanofibrous scaffold for bone regeneration. <i>Journal of Materials Chemistry B</i> , 2021, 9, 6881-6894.	2.9	25
28	Magnetic Nanocomposite Hydrogels for Tissue Engineering: Design Concepts and Remote Actuation Strategies to Control Cell Fate. <i>ACS Nano</i> , 2021, 15, 175-209.	7.3	119
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36	Osteoinductive 3D printed scaffold healed 5Âcm segmental bone defects in the ovine metatarsus. <i>Scientific Reports</i> , 2021, 11, 6704.	1.6	16

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38	Osteogenic differentiation of hBMSCs on porous photo-crosslinked poly(trimethylene carbonate) and nano-hydroxyapatite composites. <i>European Polymer Journal</i> , 2021, 147, 110335.	2.6	10
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69	Bone biomaterials for overcoming antimicrobial resistance: Advances in non-antibiotic antimicrobial approaches for regeneration of infected osseous tissue. <i>Materials Today</i> , 2021, 46, 136-154.	8.3	53
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71	Periosteum-Mimicking Tissue-Engineered Composite for Treating Periosteum Damage in Critical-Sized Bone Defects. <i>Biomacromolecules</i> , 2021, 22, 3237-3250.	2.6	23
72	Biofabrication of Cell-Laden Gelatin Methacryloyl Hydrogels with Incorporation of Silanized Hydroxyapatite by Visible Light Projection. <i>Polymers</i> , 2021, 13, 2354.	2.0	10
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