

Boyang Huang

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

809
citations

623188

14
h-index

794141

19
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all docs

21
docs citations

21
times ranked

1080
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel 3D Bioglass Scaffolds for Bone Tissue Regeneration. <i>Polymers</i> , 2022, 14, 445.	2.0	20
2	Bone Bricks: The Effect of Architecture and Material Composition on the Mechanical and Biological Performance of Bone Scaffolds. <i>ACS Omega</i> , 2022, 7, 7515-7530.	1.6	11
3	In Vivo Investigation of Polymer-Ceramic PCL/HA and PCL/ β -TCP 3D Composite Scaffolds and Electrical Stimulation for Bone Regeneration. <i>Polymers</i> , 2022, 14, 65.	2.0	12
4	3D printing of silk microparticle reinforced polycaprolactone scaffolds for tissue engineering applications. <i>Materials Science and Engineering C</i> , 2021, 118, 111433.	3.8	66
5	Additive Biomanufacturing Processes to Fabricate Scaffolds for Tissue Engineering. , 2021, , 95-124.		0
6	In vivo study of conductive 3D printed PCL/MWCNTs scaffolds with electrical stimulation for bone tissue engineering. <i>Bio-Design and Manufacturing</i> , 2021, 4, 190-202.	3.9	46
7	Investigating the Influence of Architecture and Material Composition of 3D Printed Anatomical Design Scaffolds for Large Bone Defects. <i>International Journal of Bioprinting</i> , 2021, 7, 268.	1.7	14
8	Novel insights into the reoxidation of direct reduced iron (DRI) during ball-mill treatment: A combined experimental and computational study. <i>Applied Surface Science</i> , 2021, 552, 149485.	3.1	8
9	Aligned multi-walled carbon nanotubes with nanohydroxyapatite in a 3D printed polycaprolactone scaffold stimulates osteogenic differentiation. <i>Materials Science and Engineering C</i> , 2020, 108, 110374.	3.8	70
10	Carbon nanotubes and their polymeric composites: the applications in tissue engineering. <i>Biomanufacturing Reviews</i> , 2020, 5, 1.	4.8	51
11	Engineered dual-scale poly (β -caprolactone) scaffolds using 3D printing and rotational electrospinning for bone tissue regeneration. <i>Additive Manufacturing</i> , 2020, 36, 101452.	1.7	38
12	The Potential of Polyethylene Terephthalate Glycol as Biomaterial for Bone Tissue Engineering. <i>Polymers</i> , 2020, 12, 3045.	2.0	33
13	Three-Dimensional Printing and Electrospinning Dual-Scale Polycaprolactone Scaffolds with Low-Density and Oriented Fibers to Promote Cell Alignment. <i>3D Printing and Additive Manufacturing</i> , 2020, 7, 105-113.	1.4	46
14	Topology optimised metallic bone plates produced by electron beam melting: a mechanical and biological study. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 104, 195-210.	1.5	23
15	A Novel and Green Metallurgical Technique of Highly Efficient Iron Recovery from Refractory Low-Grade Iron Ores. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 18726-18737.	3.2	18
16	Assessment of PCL/carbon material scaffolds for bone regeneration. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 93, 52-60.	1.5	53
17	Fabrication and characterisation of 3D printed MWCNT composite porous scaffolds for bone regeneration. <i>Materials Science and Engineering C</i> , 2019, 98, 266-278.	3.8	89
18	Rheological characterization of polymer/ceramic blends for 3D printing of bone scaffolds. <i>Polymer Testing</i> , 2018, 68, 365-378.	2.3	40

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19	Polymer-Ceramic Composite Scaffolds: The Effect of Hydroxyapatite and β -tri-Calcium Phosphate. <i>Materials</i> , 2018, 11, 129.	1.3	121
20	Engineering the vasculature with additive manufacturing. <i>Current Opinion in Biomedical Engineering</i> , 2017, 2, 1-13.	1.8	46