

Chong Wang

List of Publications by Year in descending order

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27
papers

1,182
citations

516215

16
h-index

580395

25
g-index

27
all docs

27
docs citations

27
times ranked

1586
citing authors

#	ARTICLE	IF	CITATIONS
1	3D printing of bone tissue engineering scaffolds. <i>Bioactive Materials</i> , 2020, 5, 82-91.	8.6	370
2	Cryogenic 3D printing for producing hierarchical porous and rhBMP-2-loaded Ca-P/PLLA nanocomposite scaffolds for bone tissue engineering. <i>Biofabrication</i> , 2017, 9, 025031.	3.7	83
3	Cryogenic 3D printing of dual-delivery scaffolds for improved bone regeneration with enhanced vascularization. <i>Bioactive Materials</i> , 2021, 6, 137-145.	8.6	81
4	Cryogenic 3D printing of porous scaffolds for <i>in situ</i> delivery of 2D black phosphorus nanosheets, doxorubicin hydrochloride and osteogenic peptide for treating tumor resection-induced bone defects. <i>Biofabrication</i> , 2020, 12, 035004.	3.7	68
5	Nano-Modified Titanium Implant Materials: A Way Toward Improved Antibacterial Properties. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 576969.	2.0	67
6	Fabrication and Application of Novel Porous Scaffold in Situ-Loaded Graphene Oxide and Osteogenic Peptide by Cryogenic 3D Printing for Repairing Critical-Sized Bone Defect. <i>Molecules</i> , 2019, 24, 1669.	1.7	55
7	Cryogenic 3D printing of heterogeneous scaffolds with gradient mechanical strengths and spatial delivery of osteogenic peptide/TGF- β 1 for osteochondral tissue regeneration. <i>Biofabrication</i> , 2020, 12, 025030.	3.7	54
8	Advanced reconfigurable scaffolds fabricated by 4D printing for treating critical-size bone defects of irregular shapes. <i>Biofabrication</i> , 2020, 12, 045025.	3.7	49
9	3D printing in biomedical engineering: Processes, materials, and applications. <i>Applied Physics Reviews</i> , 2021, 8, .	5.5	46
10	Electrospun multicomponent and multifunctional nanofibrous bone tissue engineering scaffolds. <i>Journal of Materials Chemistry B</i> , 2017, 5, 1388-1399.	2.9	45
11	Dual-source dual-power electrospinning and characteristics of multifunctional scaffolds for bone tissue engineering. <i>Journal of Materials Science: Materials in Medicine</i> , 2012, 23, 2381-2397.	1.7	43
12	Vascularized neural constructs for ex-vivo reconstitution of blood-brain barrier function. <i>Biomaterials</i> , 2020, 245, 119980.	5.7	36
13	Fibronectin 1 activates WNT/ β -catenin signaling to induce osteogenic differentiation via integrin β 1 interaction. <i>Laboratory Investigation</i> , 2020, 100, 1494-1502.	1.7	35
14	Electrospun multifunctional tissue engineering scaffolds. <i>Frontiers of Materials Science</i> , 2014, 8, 3-19.	1.1	32
15	Scaffold 3D-Printed from Metallic Nanoparticles Containing Ink Simultaneously Eradicates Tumor and Repairs Tumor-Associated Bone Defects. <i>Small Methods</i> , 2021, 5, e2100536.	4.6	27
16	3D-printed HA15-loaded β -Tricalcium Phosphate/ Poly (Lactic-co-glycolic acid) Bone Tissue Scaffold Promotes Bone Regeneration in Rabbit Radial Defects. <i>International Journal of Bioprinting</i> , 2020, 7, 317.	1.7	18
17	Multifunctional fibrous scaffolds for bone regeneration with enhanced vascularization. <i>Journal of Materials Chemistry B</i> , 2020, 8, 636-647.	2.9	16
18	Bicomponent fibrous scaffolds made through dual-source dual-power electrospinning: Dual delivery of rhBMP-2 and Ca-P nanoparticles and enhanced biological performances. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 2199-2209.	2.1	11

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19	Agrimonia pilosa polysaccharide and its sulfate derivatives facilitate cell proliferation and osteogenic differentiation of MC3T3-E1 cells by targeting miR-107. <i>International Journal of Biological Macromolecules</i> , 2020, 157, 616-625.	3.6	11
20	DLP printing of a flexible micropattern Si/PEDOT:PSS/PEG electrode for lithium-ion batteries. <i>Chemical Communications</i> , 2022, 58, 7642-7645.	2.2	9
21	Injectable Black Phosphorus Nanosheets for Wireless Nongenetic Neural Stimulation. <i>Small</i> , 2022, 18, e2105388.	5.2	8
22	Sequential Production of Levulinic Acid and Porous Carbon Material from Cellulose. <i>Materials</i> , 2018, 11, 1408.	1.3	7
23	Carfilzomib alleviated osteoporosis by targeting PSME1/2 to activate Wnt/ β^2 -catenin signaling. <i>Molecular and Cellular Endocrinology</i> , 2022, 540, 111520.	1.6	6
24	3D Printing of Tricalcium Phosphate/Poly Lactic-co-glycolic Acid Scaffolds Loaded with Carfilzomib for Treating Critical-sized Rabbit Radial Bone Defects. <i>International Journal of Bioprinting</i> , 2021, 7, 405.	1.7	3
25	Cryogenic 3D Printing of β -TCP/PLGA Composite Scaffolds Incorporated With BpV (Pic) for Treating Early Avascular Necrosis of Femoral Head. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 748151.	2.0	2
26	Novel Electrospun Bicomponent Scaffolds for Bone Tissue Engineering: Fabrication, Characterization and Sustained Release of Growth Factor. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1418, 151.	0.1	0
27	Near-Field Direct Write Microfiber-Reinforced Collagen Hydrogel Scaffolds for Articular Cartilage Regeneration. <i>Nano LIFE</i> , 0, , 2141002.	0.6	0