

Qingqiang Yao

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42
papers

752
citations

17
h-index

26
g-index

48
ext. papers

1,118
ext. citations

6.8
avg, IF

4.46
L-index

#	Paper	IF	Citations
42	3D printing of a lithium-calcium-silicate crystal bioscaffold with dual bioactivities for osteochondral interface reconstruction. <i>Biomaterials</i> , 2019 , 196, 138-150	15.6	93
41	Micro/Nanometer-Structured Scaffolds for Regeneration of Both Cartilage and Subchondral Bone. <i>Advanced Functional Materials</i> , 2019 , 29, 1806068	15.6	51
40	Copper-incorporated bioactive glass-ceramics inducing anti-inflammatory phenotype and regeneration of cartilage/bone interface. <i>Theranostics</i> , 2019 , 9, 6300-6313	12.1	50
39	3D Molecularly Functionalized Cell-Free Biomimetic Scaffolds for Osteochondral Regeneration. <i>Advanced Functional Materials</i> , 2019 , 29, 1807356	15.6	49
38	3D-printed navigation template in proximal femoral osteotomy for older children with developmental dysplasia of the hip. <i>Scientific Reports</i> , 2017 , 7, 44993	4.9	31
37	Chondrogenic regeneration using bone marrow clots and a porous polycaprolactone-hydroxyapatite scaffold by three-dimensional printing. <i>Tissue Engineering - Part A</i> , 2015 , 21, 1388-97	3.9	31
36	A multifunctional anti-inflammatory drug that can specifically target activated macrophages, massively deplete intracellular HO, and produce large amounts CO for a highly efficient treatment of osteoarthritis. <i>Biomaterials</i> , 2020 , 255, 120155	15.6	30
35	Application of computer-aided design and 3D-printed navigation template in Locking Compression Pediatric Hip Plate placement for pediatric hip disease. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2017 , 12, 865-871	3.9	28
34	Adhesion, proliferation and osteogenic differentiation of mesenchymal stem cells in 3D printed poly-ε-caprolactone/hydroxyapatite scaffolds combined with bone marrow clots. <i>Molecular Medicine Reports</i> , 2017 , 16, 5078-5084	2.9	23
33	Antimicrobial Activity of 3D-Printed Poly(ε-Caprolactone) (PCL) Composite Scaffolds Presenting Vancomycin-Loaded Poly(lactic Acid-Glycolic Acid) (PLGA) Microspheres. <i>Medical Science Monitor</i> , 2018 , 24, 6934-6945	3.2	23
32	3D printed dual-functional biomaterial with self-assembly micro-nano surface and enriched nano argentine for antibacterial and bone regeneration. <i>Applied Materials Today</i> , 2019 , 17, 206-215	6.6	20
31	Percutaneous kyphoplasty assisted with/without mixed reality technology in treatment of OVCF with IVC: a prospective study. <i>Journal of Orthopaedic Surgery and Research</i> , 2019 , 14, 255	2.8	20
30	IGF-1-releasing PLGA nanoparticles modified 3D printed PCL scaffolds for cartilage tissue engineering. <i>Drug Delivery</i> , 2020 , 27, 1106-1114	7	20
29	Co-inspired hydroxyapatite-based scaffolds for vascularized bone regeneration. <i>Acta Biomaterialia</i> , 2021 , 119, 419-431	10.8	19
28	3D printing of Mo-containing scaffolds with activated anabolic responses and bi-lineage bioactivities. <i>Theranostics</i> , 2018 , 8, 4372-4392	12.1	19
27	Three-dimensional polycaprolactone-hydroxyapatite scaffolds combined with bone marrow cells for cartilage tissue engineering. <i>Journal of Biomaterials Applications</i> , 2015 , 30, 160-70	2.9	18
26	An all-silk-derived functional nanosphere matrix for sequential biomolecule delivery and osteochondral regeneration. <i>Bioactive Materials</i> , 2020 , 5, 832-843	16.7	17

25	In vitro behavior of tendon stem/progenitor cells on bioactive electrospun nanofiber membranes for tendon-bone tissue engineering applications. <i>International Journal of Nanomedicine</i> , 2019 , 14, 5831-5848	7.3	15
24	Copper-based biomaterials for bone and cartilage tissue engineering. <i>Journal of Orthopaedic Translation</i> , 2021 , 29, 60-71	4.2	14
23	3D-printed Mg-incorporated PCL-based scaffolds: A promising approach for bone healing. <i>Materials Science and Engineering C</i> , 2021 , 129, 112372	8.3	14
22	Loss of Klotho contributes to cartilage damage by derepression of canonical Wnt/ β -catenin signaling in osteoarthritis mice. <i>Aging</i> , 2019 , 11, 12793-12809	5.6	11
21	Use of quantitative MRI for the detection of progressive cartilage degeneration in a mini-pig model of osteoarthritis caused by anterior cruciate ligament transection. <i>Journal of Magnetic Resonance Imaging</i> , 2015 , 42, 1032-8	5.6	9
20	Cartilage matrix changes in contralateral mobile knees in a rabbit model of osteoarthritis induced by immobilization. <i>BMC Musculoskeletal Disorders</i> , 2015 , 16, 224	2.8	8
19	Enzymatically crosslinked silk-nanosilicate reinforced hydrogel with dual-lineage bioactivity for osteochondral tissue engineering. <i>Materials Science and Engineering C</i> , 2021 , 127, 112215	8.3	8
18	Using 7.0T MRI T2 mapping to detect early changes of the cartilage matrix caused by immobilization in a rabbit model of immobilization-induced osteoarthritis. <i>Magnetic Resonance Imaging</i> , 2015 , 33, 1000-6	3.3	7
17	Cell-Free Biomimetic Scaffold with Cartilage Extracellular Matrix-Like Architectures for Inductive Regeneration of Osteochondral Defects. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 6917-6925	5.5	7
16	Composite scaffolds composed of bone marrow mesenchymal stem cell-derived extracellular matrix and marrow clots promote marrow cell retention and proliferation. <i>Journal of Biomedical Materials Research - Part A</i> , 2015 , 103, 2374-82	5.4	6
15	Lithium Chloride-Releasing 3D Printed Scaffold for Enhanced Cartilage Regeneration. <i>Medical Science Monitor</i> , 2019 , 25, 4041-4050	3.2	5
14	Randomized trial of 3-drug combination for lumbar nerve root epidural injections with a TNF- α inhibitor in treatment of lumbar stenosis. <i>British Journal of Neurosurgery</i> , 2020 , 34, 168-171	1	4
13	Investigations of Cartilage Matrix Degeneration in Patients with Early-Stage Femoral Head Necrosis. <i>Medical Science Monitor</i> , 2017 , 23, 5783-5792	3.2	4
12	Conservative vs Surgical Treatment of Impacted Femoral Neck Fracture in Patients 75 Years and Older. <i>Journal of the American Geriatrics Society</i> , 2020 , 68, 2214-2221	5.6	3
11	The effects of a semiconstrained integrated artificial disc on zygapophyseal joint pressure and displacement. <i>Spine</i> , 2014 , 39, E1510-7	3.3	3
10	Rg1 in combination with mannitol protects neurons against glutamate-induced ER stress via the PERK-eIF2 β -ATF4 signaling pathway. <i>Life Sciences</i> , 2020 , 263, 118559	6.8	3
9	Mechanical effect on the evolution of bone formation during bone ingrowth into a 3D-printed Ti-alloy scaffold. <i>Materials Letters</i> , 2020 , 273, 127921	3.3	2
8	Reconstruction of compressively sampled MR images based on a local shrinkage thresholding algorithm with curvelet transform. <i>Medical and Biological Engineering and Computing</i> , 2019 , 57, 2145-2158	3.1	2

7	Enhanced recovery after surgery protocols in total knee arthroplasty via midvastus approach: a randomized controlled trial. <i>BMC Musculoskeletal Disorders</i> , 2021 , 22, 856	2.8	2
6	Three-Dimensional-Printed Guiding Template for Unicompartmental Knee Arthroplasty. <i>BioMed Research International</i> , 2020 , 2020, 7019794	3	2
5	Analysis of Recombinant Human Bone Morphogenetic Protein-2 Use in the Treatment of Lumbar Degenerative Spondylolisthesis. <i>Global Spine Journal</i> , 2016 , 6, 749-755	2.7	2
4	3D Printing of Black Bioceramic Scaffolds with Micro/Nanostructure for Bone Tumor-Induced Tissue Therapy. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2101181	10.1	2
3	Biomimetic Scaffolds: 3D Molecularly Functionalized Cell-Free Biomimetic Scaffolds for Osteochondral Regeneration (Adv. Funct. Mater. 6/2019). <i>Advanced Functional Materials</i> , 2019 , 29, 1970036	15.6	1
2	A feasibility study of individual 3D-printed navigation template for the deep external fixator pin position on the iliac crest. <i>BMC Musculoskeletal Disorders</i> , 2020 , 21, 478	2.8	1
1	Multifunctional polyphenol-based silk hydrogel alleviates oxidative stress and enhances endogenous regeneration of osteochondral defects.. <i>Materials Today Bio</i> , 2022 , 14, 100251	9.9	0