

Min Wang

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

61
papers

2,206
citations

21
h-index

46
g-index

65
ext. papers

2,601
ext. citations

5
avg. IF

5.59
L-index

#	Paper	IF	Citations
61	Developing bioactive composite materials for tissue replacement. <i>Biomaterials</i> , 2003 , 24, 2133-51	15.6	575
60	Three-dimensional nanocomposite scaffolds fabricated via selective laser sintering for bone tissue engineering. <i>Acta Biomaterialia</i> , 2010 , 6, 4495-505	10.8	319
59	3D printing of bone tissue engineering scaffolds. <i>Bioactive Materials</i> , 2020 , 5, 82-91	16.7	181
58	Fabrication of HA/PHBV composite scaffolds through the emulsion freezing/freeze-drying process and characterisation of the scaffolds. <i>Journal of Materials Science: Materials in Medicine</i> , 2008 , 19, 2555-61	4.5	123
57	Customized Ca-P/PHBV nanocomposite scaffolds for bone tissue engineering: design, fabrication, surface modification and sustained release of growth factor. <i>Journal of the Royal Society Interface</i> , 2010 , 7 Suppl 5, S615-29	4.1	112
56	Optimized fabrication of Ca-P/PHBV nanocomposite scaffolds via selective laser sintering for bone tissue engineering. <i>Biofabrication</i> , 2011 , 3, 015001	10.5	87
55	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	10.5	56
54	Encapsulation and release of biomolecules from Ca-P/PHBV nanocomposite microspheres and three-dimensional scaffolds fabricated by selective laser sintering. <i>Polymer Degradation and Stability</i> , 2010 , 95, 1655-1664	4.7	56
53	Selective laser sintering and its application in biomedical engineering. <i>MRS Bulletin</i> , 2011 , 36, 998-1005	3.2	55
52	An investigation into the influence of electrospinning parameters on the diameter and alignment of poly(hydroxybutyrate-co-hydroxyvalerate) fibers. <i>Journal of Applied Polymer Science</i> , 2011 , 120, 1694-1706	2.9	42
51	Electrospun multicomponent and multifunctional nanofibrous bone tissue engineering scaffolds. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 1388-1399	7.3	37
50	Cryogenic 3D printing of porous scaffolds for in situ delivery of 2D black phosphorus nanosheets, doxorubicin hydrochloride and osteogenic peptide for treating tumor resection-induced bone defects. <i>Biofabrication</i> , 2020 , 12, 035004	10.5	35
49	Regulation Effects of Biomimetic Hybrid Scaffolds on Vascular Endothelium Remodeling. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 23583-23594	9.5	35
48	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,	4.8	34
47	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, 2381-97	4.5	34
46	Electrospun multifunctional tissue engineering scaffolds. <i>Frontiers of Materials Science</i> , 2014 , 8, 3-19	2.5	29
45	Modulating the release of vascular endothelial growth factor by negative-voltage emulsion electrospinning for improved vascular regeneration. <i>Materials Letters</i> , 2017 , 193, 1-4	3.3	25

44	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	10.5	25
43	A new nanofiber fabrication technique based on coaxial electrospinning. <i>Materials Letters</i> , 2012 , 66, 257-260	3.5	25
42	A comparative study on titania layers formed on Ti, Ti-6Al-4V and NiTi shape memory alloy through a low temperature oxidation process. <i>Surface and Coatings Technology</i> , 2010 , 205, 92-101	4.4	25
41	A novel technique for the fabrication of 3D nanofibrous scaffolds using simultaneous positive voltage electrospinning and negative voltage electrospinning. <i>Materials Letters</i> , 2013 , 94, 116-120	3.3	22
40	Surface modification of three-dimensional Ca-P/PHBV nanocomposite scaffolds by physical entrapment of gelatin and its in vitro biological evaluation. <i>Frontiers of Materials Science</i> , 2011 , 5, 57-68	2.5	20
39	4D printing of highly printable and shape morphing hydrogels composed of alginate and methylcellulose. <i>Materials and Design</i> , 2021 , 205, 109699	8.1	19
38	Novel core-shell structured Paclitaxel-loaded PLGA@Ag@Au nanoparticles. <i>Materials Letters</i> , 2013 , 92, 350-353	3.3	18
37	In situ delivery of rhBMP-2 in surface porous shape memory scaffolds developed through cryogenic 3D plotting. <i>Materials Letters</i> , 2017 , 189, 140-143	3.3	17
36	(Ti, O)/Ti and (Ti, O, N)/Ti composite coatings fabricated via PIIID for the medical application of NiTi shape memory alloy. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2011 , 96, 249-60	3.5	17
35	Advanced reconfigurable scaffolds fabricated by 4D printing for treating critical-size bone defects of irregular shapes. <i>Biofabrication</i> , 2020 , 12, 045025	10.5	16
34	Electrospinning and evaluation of PHBV-based tissue engineering scaffolds with different fibre diameters, surface topography and compositions. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2012 , 23, 779-806	3.5	15
33	Strategies to incorporate polyelectrolyte in emulsion electrospun nanofibrous tissue engineering scaffolds for modulating growth factor release from the scaffolds. <i>Materials Letters</i> , 2016 , 162, 48-52	3.3	13
32	Nonisothermal melt-crystallization behavior of calcium phosphate/poly(3-hydroxybutyrate-co-3-hydroxyvalerate) nanocomposite microspheres. <i>Polymer Engineering and Science</i> , 2011 , 51, 1580-1591	2.3	12
31	Electrospun poly(hydroxybutyrate-co-hydroxyvalerate) fibrous membranes consisting of parallel-aligned fibers or cross-aligned fibers: characterization and biological evaluation. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2011 , 22, 2475-97	3.5	11
30	Electrospinning of poly(hydroxybutyrate-co-hydroxyvalerate) fibrous tissue engineering scaffolds in two different electric fields. <i>Polymer Engineering and Science</i> , 2011 , 51, 1325-1338	2.3	11
29	Manufacture of Biomaterials 2019 , 116-134		10
28	Surface characteristics, properties and in vitro biological assessment of a NiTi shape memory alloy after high temperature heat treatment or surface H ₂ O ₂ -oxidation: A comparative study. <i>Materials Chemistry and Physics</i> , 2011 , 130, 45-58	4.4	10
27	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	5.4	9

26	Three-dimensional endothelial cell incorporation within bioactive nanofibrous scaffolds through concurrent emulsion electrospinning and coaxial cell electrospinning. <i>Acta Biomaterialia</i> , 2021 , 123, 312-324	10.8	9
25	3D printing in biomedical engineering: Processes, materials, and applications. <i>Applied Physics Reviews</i> , 2021 , 8, 021322	17.3	9
24	Dual release of VEGF and PDGF from emulsion electrospun bilayer scaffolds consisting of orthogonally aligned nanofibers for gastrointestinal tract regeneration. <i>MRS Communications</i> , 2019 , 9, 1098-1104	2.7	8
23	Characteristics and in vitro biological assessment of (Ti, O, N)/Ti composite coating formed on NiTi shape memory alloy. <i>Thin Solid Films</i> , 2011 , 519, 4623-4628	2.2	8
22	Multifunctional fibrous scaffolds for bone regeneration with enhanced vascularization. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 636-647	7.3	5
21	Phase Inversion-Based Technique for Fabricating Bijels and Bijels-Derived Structures with Tunable Microstructures. <i>Langmuir</i> , 2020 , 36, 14644-14655	4	5
20	3D Printed porous tissue engineering scaffolds with the self-folding ability and controlled release of growth factor. <i>MRS Communications</i> , 2020 , 10, 579-586	2.7	5
19	Bicomponent nanofibrous scaffolds with dual release of anticancer drugs and biomacromolecules. <i>MRS Communications</i> , 2019 , 9, 413-420	2.7	4
18	Manipulating the release of growth factors from biodegradable microspheres for potentially different therapeutic effects by using two different electro spray techniques for microsphere fabrication. <i>Polymer Degradation and Stability</i> , 2019 , 162, 169-179	4.7	4
17	Materials and Their Biomedical Applications 2019 , 135-152		3
16	Selective Laser Sintering and Its Biomedical Applications 2013 , 83-109		3
15	Controlled pVEGF Delivery via a Gene-Activated Matrix Comprised of a Peptide-Modified Non-viral Vector and a Nanofibrous Scaffold for Skin Wound Healing. <i>Acta Biomaterialia</i> , 2021 , 140, 149-149	10.8	3
14	Nanocomposite Scaffolds for Bone Tissue Engineering: Design, Fabrication, Surface Modification and Sustained Release of Growth Factor. <i>Materials Research Society Symposia Proceedings</i> , 2011 , 1301, 99		2
13	4D Printing of Self-Folding Hydrogel Tubes for Potential Tissue Engineering Applications. <i>Nano LIFE</i> , 2021 , 14, 1001	10.1	2
12	Bulk Properties of Biomaterials and Testing Techniques 2019 , 53-64		1
11	Electrochemical Deposition of Apatite/Collagen Composite Coating on NiTi Shape Memory Alloy and Coating Properties. <i>Materials Research Society Symposia Proceedings</i> , 2009 , 1239, 1		1
10	Double-crosslinked bifunctional hydrogels with encapsulated anti-cancer drug for bone tumor cell ablation and bone tissue regeneration.. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022 , 213, 112364	6	1
9	Customized Nanocomposite Scaffolds Fabricated via Selective Laser Sintering for Bone Tissue Engineering 2012 , 925-953		1

8	Selective Laser Sintered Ca-P/PHBV Nanocomposite Scaffolds with Sustained Release of rhBMP-2 for Bone Tissue Engineering. <i>Ceramic Engineering and Science Proceedings</i> ,37-48	0.1	1
7	Core-Shell Structured Theranotics. <i>Nano LIFE</i> ,2141004	0.9	0
6	Fabrication of (Ti-O-N-Si)/Ti Composite Coating on NiTi Shape Memory Alloy Using PIIID and Coating Evaluation. <i>Materials Research Society Symposia Proceedings</i> , 2009 , 1239, 1		
5	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		
4	Bioactive Calcium Phosphates and Nanocomposite Scaffolds for Bone Tissue Engineering. <i>Ceramic Transactions</i> ,175-183	0.1	
3	Immobilization of Heparin on Gelatin Modified Three-Dimensional Osteoconductive Ca-P/PHBV Nanocomposite Scaffolds. <i>Ceramic Transactions</i> ,43-51	0.1	
2	Electrospinning of Nanocomposite Scaffolds for Bone Tissue Engineering: Emitting Electrode Polarity and Charge Retention. <i>Ceramic Engineering and Science Proceedings</i> ,127-136	0.1	
1	Electrospinning and Electrospaying with Cells for Applications in Biomanufacturing. <i>Nano LIFE</i> ,2141003	0.9	