Min Wang

List of Publications by Year in Descending Order

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	Double-crosslinked bifunctional hydrogels with encapsulated anti-cancer drug for bone tumor cell ablation and bone tissue regeneration.. *Colloids and Surfaces B: Biointerfaces*, **2022**, 213, 112364	6	1
60	Controlled pVEGF Delivery via a Gene-Activated Matrix Comprised of a Peptide-Modified Non-viral Vector and a Nanofibrous Scaffold for Skin Wound Healing. *Acta Biomaterialia*, **2021**, 140, 149-149	10.8	3
59	Three-dimensional endothelial cell incorporation within bioactive nanofibrous scaffolds through concurrent emulsion electrospinning and coaxial cell electrospraying. *Acta Biomaterialia*, **2021**, 123, 312-324	10.8	9
58	3D printing in biomedical engineering: Processes, materials, and applications. *Applied Physics Reviews*, **2021**, 8, 021322	17.3	9
57	4D printing of highly printable and shape morphing hydrogels composed of alginate and methylcellulose. *Materials and Design*, **2021**, 205, 109699	8.1	19
56	Cryogenic 3D printing of heterogeneous scaffolds with gradient mechanical strengths and spatial delivery of osteogenic peptide/TGF-1 for osteochondral tissue regeneration. *Biofabrication*, **2020**, 12, 025030	10.5	25
55	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. *Biofabrication*, **2020**, 12, 035004	10.5	35
54	3D printing of bone tissue engineering scaffolds. *Bioactive Materials*, **2020**, 5, 82-91	16.7	181
53	Advanced reconfigurable scaffolds fabricated by 4D printing for treating critical-size bone defects of irregular shapes. *Biofabrication*, **2020**, 12, 045025	10.5	16
52	Multifunctional fibrous scaffolds for bone regeneration with enhanced vascularization. *Journal of Materials Chemistry B*, **2020**, 8, 636-647	7.3	5
51	Phase Inversion-Based Technique for Fabricating Bijels and Bijels-Derived Structures with Tunable Microstructures. *Langmuir*, **2020**, 36, 14644-14655	4	5
50	3D Printed porous tissue engineering scaffolds with the self-folding ability and controlled release of growth factor. *MRS Communications*, **2020**, 10, 579-586	2.7	5
49	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. *Molecules*, **2019**, 24,	4.8	34
48	Bicomponent nanofibrous scaffolds with dual release of anticancer drugs and biomacromolecules. *MRS Communications*, **2019**, 9, 413-420	2.7	4
47	Manufacture of Biomaterials **2019**, 116-134		10
46	Materials and Their Biomedical Applications **2019**, 135-152		3
45	Bulk Properties of Biomaterials and Testing Techniques **2019**, 53-64		1

44	Dual release of VEGF and PDGF from emulsion electrospun bilayer scaffolds consisting of orthogonally aligned nanofibers for gastrointestinal tract regeneration. *MRS Communications*, **2019**, 9, 1098-1104	2.7	8
43	Manipulating the release of growth factors from biodegradable microspheres for potentially different therapeutic effects by using two different electrospray techniques for microsphere fabrication. *Polymer Degradation and Stability*, **2019**, 162, 169-179	4.7	4
42	Regulation Effects of Biomimetic Hybrid Scaffolds on Vascular Endothelium Remodeling. *ACS Applied Materials & Interfaces*, **2018**, 10, 23583-23594	9.5	35
41	Electrospun multicomponent and multifunctional nanofibrous bone tissue engineering scaffolds. *Journal of Materials Chemistry B*, **2017**, 5, 1388-1399	7.3	37
40	Modulating the release of vascular endothelial growth factor by negative-voltage emulsion electrospinning for improved vascular regeneration. *Materials Letters*, **2017**, 193, 1-4	3.3	25
39	Cryogenic 3D printing for producing hierarchical porous and rhBMP-2-loaded Ca-P/PLLA nanocomposite scaffolds for bone tissue engineering. *Biofabrication*, **2017**, 9, 025031	10.5	56
38	Bicomponent fibrous scaffolds made through dual-source dual-power electrospinning: Dual delivery of rhBMP-2 and Ca-P nanoparticles and enhanced biological performances. *Journal of Biomedical Materials Research - Part A*, **2017**, 105, 2199-2209	5.4	9
37	In situ delivery of rhBMP-2 in surface porous shape memory scaffolds developed through cryogenic 3D plotting. *Materials Letters*, **2017**, 189, 140-143	3.3	17
36	Strategies to incorporate polyelectrolyte in emulsion electrospun nanofibrous tissue engineering scaffolds for modulating growth factor release from the scaffolds. *Materials Letters*, **2016**, 162, 48-52	3.3	13
35	Electrospun multifunctional tissue engineering scaffolds. *Frontiers of Materials Science*, **2014**, 8, 3-19	2.5	29
34	A novel technique for the fabrication of 3D nanofibrous scaffolds using simultaneous positive voltage electrospinning and negative voltage electrospinning. *Materials Letters*, **2013**, 94, 116-120	3.3	22
33	Novel core□shell structured Paclitaxel-loaded PLGA@Ag□Au nanoparticles. *Materials Letters*, **2013**, 92, 350-353	3.3	18
32	Selective Laser Sintering and Its Biomedical Applications **2013**, 83-109		3
31	A new nanofiber fabrication technique based on coaxial electrospinning. *Materials Letters*, **2012**, 66, 257-260	3.3	25
30	Electrospinning and evaluation of PHBV-based tissue engineering scaffolds with different fibre diameters, surface topography and compositions. *Journal of Biomaterials Science, Polymer Edition*, **2012**, 23, 779-806	3.5	15
29	Dual-source dual-power electrospinning and characteristics of multifunctional scaffolds for bone tissue engineering. *Journal of Materials Science: Materials in Medicine*, **2012**, 23, 2381-97	4.5	34
28	Novel Electrospun Bicomponent Scaffolds for Bone Tissue Engineering: Fabrication, Characterization and Sustained Release of Growth Factor. *Materials Research Society Symposia Proceedings*, **2012**, 1418, 151		
27	Customized Nanocomposite Scaffolds Fabricated via Selective Laser Sintering for Bone Tissue Engineering **2012**, 925-953		1

26	Nanocomposite Scaffolds for Bone Tissue Engineering: Design, Fabrication, Surface Modification and Sustained Release of Growth Factor. *Materials Research Society Symposia Proceedings*, **2011**, 1301, 99		2
25	Surface characteristics, properties and in vitro biological assessment of a NiTi shape memory alloy after high temperature heat treatment or surface H2O2-oxidation: A comparative study. *Materials Chemistry and Physics*, **2011**, 130, 45-58	4.4	10
24	Electrospun poly(hydroxybutyrate-co-hydroxyvalerate) fibrous membranes consisting of parallel-aligned fibers or cross-aligned fibers: characterization and biological evaluation. *Journal of Biomaterials Science, Polymer Edition*, **2011**, 22, 2475-97	3.5	11
23	Surface modification of three-dimensional Ca-P/PHBV nanocomposite scaffolds by physical entrapment of gelatin and its in vitro biological evaluation. *Frontiers of Materials Science*, **2011**, 5, 57-68	2.5	20
22	Electrospinning of poly(hydroxybutyrate-co-hydroxyvalerate) fibrous tissue engineering scaffolds in two different electric fields. *Polymer Engineering and Science*, **2011**, 51, 1325-1338	2.3	11
21	Nonisothermal melt-crystallization behavior of calcium phosphate/poly(3-hydroxybutyrate-co-3-hydroxyvalerate) nanocomposite microspheres. *Polymer Engineering and Science*, **2011**, 51, 1580-1591	2.3	12
20	(Ti, O)/Ti and (Ti, O, N)/Ti composite coatings fabricated via PIIID for the medical application of NiTi shape memory alloy. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2011**, 96, 249-60	3.5	17
19	An investigation into the influence of electrospinning parameters on the diameter and alignment of poly(hydroxybutyrate-co-hydroxyvalerate) fibers. *Journal of Applied Polymer Science*, **2011**, 120, 1694-1706	2.9	42
18	Characteristics and in vitro biological assessment of (Ti, O, N)/Ti composite coating formed on NiTi shape memory alloy. *Thin Solid Films*, **2011**, 519, 4623-4628	2.2	8
17	Selective laser sintering and its application in biomedical engineering. *MRS Bulletin*, **2011**, 36, 998-1005	3.2	55
16	Optimized fabrication of Ca-P/PHBV nanocomposite scaffolds via selective laser sintering for bone tissue engineering. *Biofabrication*, **2011**, 3, 015001	10.5	87
15	Customized Ca-P/PHBV nanocomposite scaffolds for bone tissue engineering: design, fabrication, surface modification and sustained release of growth factor. *Journal of the Royal Society Interface*, **2010**, 7 Suppl 5, S615-29	4.1	112
14	A comparative study on titania layers formed on Ti, Ti-6Al-4V and NiTi shape memory alloy through a low temperature oxidation process. *Surface and Coatings Technology*, **2010**, 205, 92-101	4.4	25
13	Encapsulation and release of biomolecules from Ca-P/PHBV nanocomposite microspheres and three-dimensional scaffolds fabricated by selective laser sintering. *Polymer Degradation and Stability*, **2010**, 95, 1655-1664	4.7	56
12	Three-dimensional nanocomposite scaffolds fabricated via selective laser sintering for bone tissue engineering. *Acta Biomaterialia*, **2010**, 6, 4495-505	10.8	319
11	Electrochemical Deposition of Apatite/Collagen Composite Coating on NiTi Shape Memory Alloy and Coating Properties. *Materials Research Society Symposia Proceedings*, **2009**, 1239, 1		1
10	Fabrication of (Ti-O-N-Si)/Ti Composite Coating on NiTi Shape Memory Alloy Using PIIID and Coating Evaluation. *Materials Research Society Symposia Proceedings*, **2009**, 1239, 1		
9	Fabrication of HA/PHBV composite scaffolds through the emulsion freezing/freeze-drying process and characterisation of the scaffolds. *Journal of Materials Science: Materials in Medicine*, **2008**, 19, 2555-61	4.5	123

8	Developing bioactive composite materials for tissue replacement. *Biomaterials*, **2003**, 24, 2133-51	15.6	575
7	Bioactive Calcium Phosphates and Nanocomposite Scaffolds for Bone Tissue Engineering. *Ceramic Transactions*,175-183	0.1	
6	Immobilization of Heparin on Gelatin Modified Three-Dimensional Osteoconductive Ca-P/PHBV Nanocomposite Scaffolds. *Ceramic Transactions*,43-51	0.1	
5	Electrospinning of Nanocomposite Scaffolds for Bone Tissue Engineering: Emitting Electrode Polarity and Charge Retention. *Ceramic Engineering and Science Proceedings*,127-136	0.1	
4	4D Printing of Self-Folding Hydrogel Tubes for Potential Tissue Engineering Applications. *Nano LIFE*,2141001	0.9	2
3	Electrospinning and Electrospraying with Cells for Applications in Biomanufacturing. *Nano LIFE*,2141003	0.9	
2	Core-Shell Structured Theranotics. *Nano LIFE*,2141004	0.9	0
1	Selective Laser Sintered Ca-P/PHBV Nanocomposite Scaffolds with Sustained Release of rhBMP-2 for Bone Tissue Engineering. *Ceramic Engineering and Science Proceedings*,37-48	0.1	1