Min Wang

List of Publications by Year
in descending order

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61	3,083	257450	168389
papers	citations	24 h-index	53 g-index

65	65	65	3845
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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, 2022, 140, 149-162.	8.3	22
2	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.	5.0	14
3	Hybrid ceramics-based cancer theranostics. Journal of the Korean Ceramic Society, 2022, 59, 401-426.	2.3	8
4	Three-dimensional endothelial cell incorporation within bioactive nanofibrous scaffolds through concurrent emulsion electrospinning and coaxial cell electrospraying. Acta Biomaterialia, 2021, 123, 312-324.	8.3	22
5	3D printing in biomedical engineering: Processes, materials, and applications. Applied Physics Reviews, 2021, 8, .	11.3	46
6	4D printing of highly printable and shape morphing hydrogels composed of alginate and methylcellulose. Materials and Design, 2021, 205, 109699.	7.0	77
7	4D Printing of Self-Folding Hydrogel Tubes for Potential Tissue Engineering Applications. Nano LIFE, 2021, 11, .	0.9	8
8	Cell-Incorporated Bioactive Tissue Engineering Scaffolds made by Concurrent Cell Electrospinning and Emulsion Electrospinning. Nano LIFE, 2021, 11, .	0.9	5
9	Multifunctional fibrous scaffolds for bone regeneration with enhanced vascularization. Journal of Materials Chemistry B, 2020, 8, 636-647.	5.8	16
10	Phase Inversion-Based Technique for Fabricating Bijels and Bijels-Derived Structures with Tunable Microstructures. Langmuir, 2020, 36, 14644-14655.	3.5	11
11	3D Printed porous tissue engineering scaffolds with the self-folding ability and controlled release of growth factor. MRS Communications, 2020, 10, 579-586.	1.8	12
12	Cryogenic 3D printing of heterogeneous scaffolds with gradient mechanical strengths and spatial delivery of osteogenic peptide/TGF-Î²1 for osteochondral tissue regeneration. Biofabrication, 2020, 12, 025030.	7.1	54
13	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.	7.1	68
14	3D printing of bone tissue engineering scaffolds. Bioactive Materials, 2020, 5, 82-91.	15.6	370
15	Advanced reconfigurable scaffolds fabricated by 4D printing for treating critical-size bone defects of irregular shapes. Biofabrication, 2020, 12, 045025.	7.1	49
16	Manufacture of Biomaterials. , 2019, , 116-134.		25
17	Materials and Their Biomedical Applications. , 2019, , 135-152.		9
18	Bulk Properties of Biomaterials and Testing Techniques. , 2019, , 53-64.		4

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19	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.	1.8	12
20	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, 1669.	3.8	55
21	Bicomponent nanofibrous scaffolds with dual release of anticancer drugs and biomacromolecules. MRS Communications, 2019, 9, 413-420.	1.8	7
22	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.	5.8	8
23	Regulation Effects of Biomimetic Hybrid Scaffolds on Vascular Endothelium Remodeling. ACS Applied Materials & Interfaces, 2018, 10, 23583-23594.	8.0	49
24	Electrospun multicomponent and multifunctional nanofibrous bone tissue engineering scaffolds. Journal of Materials Chemistry B, 2017, 5, 1388-1399.	5.8	45
25	Modulating the release of vascular endothelial growth factor by negative-voltage emulsion electrospinning for improved vascular regeneration. Materials Letters, 2017, 193, 1-4.	2.6	28
26	Cryogenic 3D printing for producing hierarchical porous and rhBMP-2-loaded Ca-P/PLLA nanocomposite scaffolds for bone tissue engineering. Biofabrication, 2017, 9, 025031.	7.1	83
27	Bicomponent fibrous scaffolds made through dualâ€source dualâ€power electrospinning: Dual delivery of rhBMPâ€2 and Caâ€P nanoparticles and enhanced biological performances. Journal of Biomedical Materials Research - Part A, 2017, 105, 2199-2209.	4.0	11
28	In situ delivery of rhBMP-2 in surface porous shape memory scaffolds developed through cryogenic 3D plotting. Materials Letters, 2017, 189, 140-143.	2.6	25
29	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.	2.6	18
30	Electrospun multifunctional tissue engineering scaffolds. Frontiers of Materials Science, 2014, 8, 3-19.	2.2	32
31	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.	2.6	26
32	Novel coreâ€“shell structured Paclitaxel-loaded PLGA@Agâ€“Au nanoparticles. Materials Letters, 2013, 92, 350-353.	2.6	22
33	Selective Laser Sintering and Its Biomedical Applications. Biological and Medical Physics Series, 2013, , 83-109.	0.4	7
34	Novel Electrospun Bicomponent Scaffolds for Bone Tissue Engineering: Fabrication, Characterization and Sustained Release of Growth Factor. Materials Research Society Symposia Proceedings, 2012, 1418, 151.	0.1	0
35	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	18
36	Dual-source dual-power electrospinning and characteristics of multifunctional scaffolds for bone tissue engineering. Journal of Materials Science: Materials in Medicine, 2012, 23, 2381-2397.	3.6	43

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37	Editorial: Biomaterials at PacRim9. Journal of Materials Science: Materials in Medicine, 2012, 23, 2315-2316.	3.6	0
38	A new nanofiber fabrication technique based on coaxial electrospinning. Materials Letters, 2012, 66, 257-260.	2.6	32
39	Customized Nanocomposite Scaffolds Fabricated via Selective Laser Sintering for Bone Tissue Engineering. , 2012, , 925-953.		2
40	Nanocomposite Scaffolds for Bone Tissue Engineering: Design, Fabrication, Surface Modification and Sustained Release of Growth Factor. Materials Research Society Symposia Proceedings, 2011, 1301, 99.	0.1	4
41	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.	4.0	13
42	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, 2475-2497.	3.5	13
43	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.	2.2	21
44	Electrospinning of poly(hydroxybutyrateâ€coâ€hydroxyvalerate) fibrous tissue engineering scaffolds in two different electric fields. Polymer Engineering and Science, 2011, 51, 1325-1338.	3.1	13
45	Nonisothermal meltâ€crystallization behavior of calcium phosphate/poly(3â€hydroxybutyrateâ€coâ€3â€hydroxyvalerate) nanocomposite microspheres. Polymer Engineering and Science, 2011, 51, 1580-1591.	3.1	13
46	(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, 96B, 249-260.	3.4	22
47	An investigation into the influence of electrospinning parameters on the diameter and alignment of poly(hydroxybutyrateâ€coâ€hydroxyvalerate) fibers. Journal of Applied Polymer Science, 2011, 120, 1694-1706.	2.6	48
48	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.	1.8	8
49	Selective laser sintering and its application in biomedical engineering. MRS Bulletin, 2011, 36, 998-1005.	3.5	69
50	Optimized fabrication of Caâ€“P/PHBV nanocomposite scaffolds via selective laser sintering for bone tissue engineering. Biofabrication, 2011, 3, 015001.	7.1	108
51	Encapsulation and release of biomolecules from Caâ€“P/PHBV nanocomposite microspheres and three-dimensional scaffolds fabricated by selective laser sintering. Polymer Degradation and Stability, 2010, 95, 1655-1664.	5.8	69
52	Three-dimensional nanocomposite scaffolds fabricated via selective laser sintering for bone tissue engineering. Acta Biomaterialia, 2010, 6, 4495-4505.	8.3	366
53	Customized Caâ€“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, S615-29.	3.4	131
54	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.	4.8	32

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55	Electrochemical Deposition of Apatite/Collagen Composite Coating on NiTi Shape Memory Alloy and Coating Properties. Materials Research Society Symposia Proceedings, 2009, 1239, 1.	0.1	1
56	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.	0.1	1
57	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, 2555-2561.	3.6	150
58	Guest Editorial: Composites in medicine (Special Issue for the Symposium on Composites in Medicine at) Tj ETQq0 0 0 rgBT /Overlock 10	3.6	0
59	Developing bioactive composite materials for tissue replacement. Biomaterials, 2003, 24, 2133-2151.	11.4	654
60	Electrospinning and Electrospraying with Cells for Applications in Biomanufacturing. Nano LIFE, 0, , 2141003.	0.9	1
61	Core-Shell Structured Theranotics. Nano LIFE, 0, , 2141004.	0.9	2