Xiumei Mo

List of Publications by Citations

55 papers	1,739 citations	25 h-index	41 g-index
55 ext. papers	2,247 ext. citations	6.6 avg, IF	4.93 L-index

#	Paper	IF	Citations
55	Superabsorbent 3D Scaffold Based on Electrospun Nanofibers for Cartilage Tissue Engineering. *ACS Applied Materials & Interfaces*, **2016**, 8, 24415-25	9.5	183
54	The aligned core-sheath nanofibers with electrical conductivity for neural tissue engineering. *Journal of Materials Chemistry B*, **2014**, 2, 7945-7954	7.3	105
53	In vitro and in vivo studies of electroactive reduced graphene oxide-modified nanofiber scaffolds for peripheral nerve regeneration. *Acta Biomaterialia*, **2019**, 84, 98-113	10.8	99
52	Superelastic, superabsorbent and 3D nanofiber-assembled scaffold for tissue engineering. *Colloids and Surfaces B: Biointerfaces*, **2016**, 142, 165-172	6	78
51	Polypyrrole-coated poly(l-lactic acid-co-ε-caprolactone)/silk fibroin nanofibrous membranes promoting neural cell proliferation and differentiation with electrical stimulation. *Journal of Materials Chemistry B*, **2016**, 4, 6670-6679	7.3	75
50	Three-dimensional electrospun nanofibrous scaffolds displaying bone morphogenetic protein-2-derived peptides for the promotion of osteogenic differentiation of stem cells and bone regeneration. *Journal of Colloid and Interface Science*, **2019**, 534, 625-636	9.3	74
49	Electrospinning nanofiber scaffolds for soft and hard tissue regeneration. *Journal of Materials Science and Technology*, **2020**, 59, 243-261	9.1	64
48	3D printing of biomimetic vasculature for tissue regeneration. *Materials Horizons*, **2019**, 6, 1197-1206	14.4	62
47	Fabrication and preliminary study of a biomimetic tri-layer tubular graft based on fibers and fiber yarns for vascular tissue engineering. *Materials Science and Engineering C*, **2018**, 82, 121-129	8.3	61
46	Development of Nanofiber Sponges-Containing Nerve Guidance Conduit for Peripheral Nerve Regeneration in Vivo. *ACS Applied Materials & Interfaces*, **2017**, 9, 26684-26696	9.5	58
45	Polymerizing Pyrrole Coated Poly (l-lactic acid-co-ε-caprolactone) (PLCL) Conductive Nanofibrous Conduit Combined with Electric Stimulation for Long-Range Peripheral Nerve Regeneration. *Frontiers in Molecular Neuroscience*, **2016**, 9, 117	6.1	56
44	Polypyrrole-coated poly(l-lactic acid-co-ε-caprolactone)/silk fibroin nanofibrous nerve guidance conduit induced nerve regeneration in rat. *Materials Science and Engineering C*, **2019**, 94, 190-199	8.3	50
43	Electrospun nanoyarn scaffold and its application in tissue engineering. *Materials Letters*, **2012**, 89, 146-149	3.5	49
42	Fabrication of silk fibroin blended P(LLA-CL) nanofibrous scaffolds for tissue engineering. *Journal of Biomedical Materials Research - Part A*, **2010**, 93, 984-93	5.4	49
41	Green electrospun grape seed extract-loaded silk fibroin nanofibrous mats with excellent cytocompatibility and antioxidant effect. *Colloids and Surfaces B: Biointerfaces*, **2016**, 139, 156-63	6	46
40	Evaluation of the potential of rhTGF-β3 encapsulated P(LLA-CL)/collagen nanofibers for tracheal cartilage regeneration using mesenchymal stems cells derived from Wharton's jelly of human umbilical cord. *Materials Science and Engineering C*, **2017**, 70, 637-645	8.3	41
39	Laminin-coated nerve guidance conduits based on poly(l-lactide-co-glycolide) fibers and yarns for promoting Schwann cells' proliferation and migration. *Journal of Materials Chemistry B*, **2017**, 5, 3186-3194	7.3	40

38	Nerve conduits constructed by electrospun P(LLA-CL) nanofibers and PLLA nanofiber yarns. *Journal of Materials Chemistry B*, **2015**, 3, 8823-8831	7.3	40
37	Bi-layered electrospun nanofibrous membrane with osteogenic and antibacterial properties for guided bone regeneration. *Colloids and Surfaces B: Biointerfaces*, **2019**, 176, 219-229	6	38
36	Heparin and Vascular Endothelial Growth Factor Loaded Poly(L-lactide-co-caprolactone) Nanofiber Covered Stent-Graft for Aneurysm Treatment. *Journal of Biomedical Nanotechnology*, **2015**, 11, 1947-60	4	36
35	Bioinspired stratified electrowritten fiber-reinforced hydrogel constructs with layer-specific induction capacity for functional osteochondral regeneration. *Biomaterials*, **2021**, 266, 120385	15.6	36
34	Application of a bilayer tubular scaffold based on electrospun poly(l-lactide-co-caprolactone)/collagen fibers and yarns for tracheal tissue engineering. *Journal of Materials Chemistry B*, **2017**, 5, 139-150	7.3	31
33	A comparison of nanoscale and multiscale PCL/gelatin scaffolds prepared by disc-electrospinning. *Colloids and Surfaces B: Biointerfaces*, **2016**, 146, 632-41	6	30
32	Three Dimensional Printing Bilayer Membrane Scaffold Promotes Wound Healing. *Frontiers in Bioengineering and Biotechnology*, **2019**, 7, 348	5.8	30
31	Electrospun polypyrrole-coated polycaprolactone nanoyarn nerve guidance conduits for nerve tissue engineering. *Frontiers of Materials Science*, **2018**, 12, 438-446	2.5	26
30	The enhanced atorvastatin hepatotoxicity in diabetic rats was partly attributed to the upregulated hepatic Cyp3a and SLCO1B1. *Scientific Reports*, **2016**, 6, 33072	4.9	22
29	Fabrication and characterization of vitamin B5 loaded poly (l-lactide-co-caprolactone)/silk fiber aligned electrospun nanofibers for schwann cell proliferation. *Colloids and Surfaces B: Biointerfaces*, **2016**, 144, 108-117	6	22
28	Moving Electrospun Nanofibers and Bioprinted Scaffolds toward Translational Applications. *Advanced Healthcare Materials*, **2020**, 9, e1901761	10.1	19
27	A low-temperature-printed hierarchical porous sponge-like scaffold that promotes cell-material interaction and modulates paracrine activity of MSCs for vascularized bone regeneration. *Biomaterials*, **2021**, 274, 120841	15.6	19
26	Stem cell homing-based tissue engineering using bioactive materials. *Frontiers of Materials Science*, **2017**, 11, 93-105	2.5	16
25	Fabrication of Multilayered Nanofiber Scaffolds with a Highly Aligned Nanofiber Yarn for Anisotropic Tissue Regeneration. *ACS Omega*, **2020**, 5, 24340-24350	3.9	15
24	Fabrication and characterization of Antheraea pernyi silk fibroin-blended P(LLA-CL) nanofibrous scaffolds for peripheral nerve tissue engineering. *Frontiers of Materials Science*, **2017**, 11, 22-32	2.5	13
23	Fabrication and characterization of mineralized P(LLA-CL)/SF three-dimensional nanoyarn scaffolds. *Iranian Polymer Journal (English Edition)*, **2015**, 24, 29-40	2.3	13
22	Development of poly (L-lactide-co-caprolactone) multichannel nerve conduit with aligned electrospun nanofibers for Schwann cell proliferation. *International Journal of Polymeric Materials and Polymeric Biomaterials*, **2016**, 65, 323-329	3	13
21	Biomimetic and hierarchical nerve conduits from multifunctional nanofibers for guided peripheral nerve regeneration. *Acta Biomaterialia*, **2020**, 117, 180-191	10.8	12

20	A multifunctional electrowritten bi-layered scaffold for guided bone regeneration. *Acta Biomaterialia*, **2020**, 118, 83-99	10.8	12
19	Fabrication and characterization of metal stent coating with drug-loaded nanofiber film for gallstone dissolution. *Journal of Biomaterials Applications*, **2016**, 31, 784-796	2.9	12
18	Development of Dynamic Liquid and Conjugated Electrospun Poly(L-lactide-co-caprolactone)/Collagen Nanoyarns for Regulating Vascular Smooth Muscle Cells Growth. *Journal of Biomedical Nanotechnology*, **2017**, 13, 303-12	4	11
17	High-precision, gelatin-based, hybrid, bilayer scaffolds using melt electro-writing to repair cartilage injury. *Bioactive Materials*, **2021**, 6, 2173-2186	16.7	11
16	Electrospun nanoyarn seeded with myoblasts induced from placental stem cells for the application of stress urinary incontinence sling: An in vitro study. *Colloids and Surfaces B: Biointerfaces*, **2016**, 144, 21-32	6	11
15	Electrospun Nanofibers for Tissue Engineering **2019**, 719-734		9
14	Preparation of high precision multilayer scaffolds based on Melt Electro-Writing to repair cartilage injury. *Theranostics*, **2020**, 10, 10214-10230	12.1	9
13	Groove fibers based porous scaffold for cartilage tissue engineering application. *Materials Letters*, **2017**, 192, 44-47	3.3	8
12	Development of Dual Neurotrophins-Encapsulated Electrosupun Nanofibrous Scaffolds for Peripheral Nerve Regeneration. *Journal of Biomedical Nanotechnology*, **2016**, 12, 1987-2000	4	7
11	Evaluation of PLGA microspheres with triple regimen on long-term survival of vascularized composite allograft - an experimental study. *Transplant International*, **2020**, 33, 450-461	3	5
10	Mechanically-reinforced 3D scaffold constructed by silk nonwoven fabric and silk fibroin sponge. *Colloids and Surfaces B: Biointerfaces*, **2020**, 196, 111361	6	5
9	Three-Dimensional Tendon Scaffold Loaded with Gene Silencing Plasmid Prevents Tendon Adhesion and Promotes Tendon Repair. *ACS Biomaterials Science and Engineering*, **2021**,	5.5	4
8	Effect of Pore Size on Cell Behavior Using Melt Electrowritten Scaffolds. *Frontiers in Bioengineering and Biotechnology*, **2021**, 9, 629270	5.8	4
7	Exosomes From M2 Macrophage Promote Peritendinous Fibrosis Posterior Tendon Injury via the MiR-15b-5p/FGF-1/7/9 Pathway by Delivery of circRNA-Ep400. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 595911	5.7	4
6	Converging 3D Printing and Electrospinning: Effect of Poly(l-lactide)/Gelatin Based Short Nanofibers Aerogels on Tracheal Regeneration. *Macromolecular Bioscience*, **2021**, e2100342	5.5	3
5	Anti-CD133 antibody loaded bilayer tubular scaffold based on poly(L-lactide-co-caprolactone)/collagen nanofibers and nanoyarns for vascular tissue engineering. *Journal of Controlled Release*, **2017**, 259, e129	11.7	1
4	Chondroitin sulfate cross-linked three-dimensional tailored electrospun scaffolds for cartilage regeneration.. *Materials Science and Engineering C*, **2022**, 112643	8.3	1
3	Formability of Printing Ink for Melt Electrowriting. *Journal of Shanghai Jiaotong University (Science)*, **2021**, 26, 411-415	0.6	1

2	Use of Electrospun Phenylalanine/Poly-Caprolactone Chiral Hybrid Scaffolds to Promote Endothelial Remodeling.. *Frontiers in Bioengineering and Biotechnology*, **2021**, 9, 773635	5.8	0
1	3D Printing Bioink Preparation and Application in Cartilage Tissue Reconstruction in Vitro. *Journal of Shanghai Jiaotong University (Science)*, **2021**, 26, 267-271	0.6	0