Xiumei Mo

List of Publications by Citations

55 papers	1,825 citations	25 h-index	41 g-index
56 ext. papers	2,356 ext. citations	6.9 avg, IF	5.05 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	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
53	Electrospun Nanofibers for Tissue Engineering with Drug Loading and Release. *Pharmaceutics*, **2019** , 11,	6.4	88
52	A Single Integrated 3D-Printing Process Customizes Elastic and Sustainable Triboelectric Nanogenerators for Wearable Electronics. *Advanced Functional Materials*, **2018**, 28, 1805108	15.6	87
51	A novel electrospun-aligned nanoyarn-reinforced nanofibrous scaffold for tendon tissue engineering. *Colloids and Surfaces B: Biointerfaces*, **2014**, 122, 270-276	6	77
50	The effect of mechanical stimulation on the maturation of TDSCs-poly(L-lactide-co-e-caprolactone)/collagen scaffold constructs for tendon tissue engineering. *Biomaterials*, **2014**, 35, 2760-72	15.6	74
49	Advanced fabrication for electrospun three-dimensional nanofiber aerogels and scaffolds. *Bioactive Materials*, **2020**, 5, 963-979	16.7	67
48	Synthesis of RGD-peptide modified poly(ester-urethane) urea electrospun nanofibers as a potential application for vascular tissue engineering. *Chemical Engineering Journal*, **2017**, 315, 177-190	14.7	65
47	3D printing of biomimetic vasculature for tissue regeneration. *Materials Horizons*, **2019**, 6, 1197-1206	14.4	62
46	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
45	A general strategy of 3D printing thermosets for diverse applications. *Materials Horizons*, **2019**, 6, 394-404	14.4	60
44	Biodegradable poly(ester urethane)urea elastomers with variable amino content for subsequent functionalization with phosphorylcholine. *Acta Biomaterialia*, **2014**, 10, 4639-4649	10.8	53
43	Cell infiltration and vascularization in porous nanoyarn scaffolds prepared by dynamic liquid electrospinning. *Journal of Biomedical Nanotechnology*, **2014**, 10, 603-14	4	53
42	A multi-layered vascular scaffold with symmetrical structure by bi-directional gradient electrospinning. *Colloids and Surfaces B: Biointerfaces*, **2015**, 133, 179-88	6	46
41	Dual-drug encapsulation and release from core-shell nanofibers. *Journal of Biomaterials Science, Polymer Edition*, **2012**, 23, 861-71	3.5	40
40	A biodegradable multifunctional nanofibrous membrane for periodontal tissue regeneration. *Acta Biomaterialia*, **2020**, 108, 207-222	10.8	39
39	Degradation of electrospun SF/P(LLA-CL) blended nanofibrous scaffolds in vitro. *Polymer Degradation and Stability*, **2011**, 96, 2266-2275	4.7	38

38	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
37	Dual-layer aligned-random nanofibrous scaffolds for improving gradient microstructure of tendon-to-bone healing in a rabbit extra-articular model. *International Journal of Nanomedicine*, **2018**, 13, 3481-3492	7.3	33
36	Electrospinning for healthcare: recent advancements. *Journal of Materials Chemistry B*, **2021**, 9, 939-951	7.3	33
35	Orthogonally Functionalizable Polyurethane with Subsequent Modification with Heparin and Endothelium-Inducing Peptide Aiming for Vascular Reconstruction. *ACS Applied Materials & Interfaces*, **2016**, 8, 14442-52	9.5	32
34	Encapsulation and Controlled Release of Heparin from Electrospun Poly(L-Lactide-co-□Caprolactone) Nanofibers. *Journal of Biomaterials Science, Polymer Edition*, **2011** , 22, 165-77	3.5	31
33	Hyaluronic acid/EDC/NHS-crosslinked green electrospun silk fibroin nanofibrous scaffolds for tissue engineering. *RSC Advances*, **2016**, 6, 99720-99728	3.7	28
32	Electrospinning of Heparin Encapsulated P(LLA-CL) Core/Shell Nanofibers. *Nano Biomedicine and Engineering*, **2010**, 2,	2.9	28
31	Thiol click modification of cyclic disulfide containing biodegradable polyurethane urea elastomers. *Biomacromolecules*, **2015**, 16, 1622-33	6.9	27
30	Incorporation of amoxicillin-loaded organic montmorillonite into poly(ester-urethane) urea nanofibers as a functional tissue engineering scaffold. *Colloids and Surfaces B: Biointerfaces*, **2017**, 151, 314-323	6	25
29	Fabrication of Silk Fibroin/P(LLA-CL) Aligned Nanofibrous Scaffolds for Nerve Tissue Engineering. *Macromolecular Materials and Engineering*, **2013**, 298, 565-574	3.9	25
28	Mechanical matching nanofibrous vascular scaffold with effective anticoagulation for vascular tissue engineering. *Composites Part B: Engineering*, **2020**, 186, 107788	10	24
27	Synthesis of cellulose diacetate based copolymer electrospun nanofibers for tissues scaffold. *Applied Surface Science*, **2018**, 443, 374-381	6.7	22
26	Fabrication and characterization of TGF-□1-loaded electrospun poly (lactic-co-glycolic acid) core-sheath sutures. *Colloids and Surfaces B: Biointerfaces*, **2018**, 161, 331-338	6	22
25	Exploration of the antibacterial and wound healing potential of a PLGA/silk fibroin based electrospun membrane loaded with zinc oxide nanoparticles. *Journal of Materials Chemistry B*, **2021** , 9, 1452-1465	7.3	22
24	PLCL/Silk fibroin based antibacterial nano wound dressing encapsulating oregano essential oil: Fabrication, characterization and biological evaluation. *Colloids and Surfaces B: Biointerfaces*, **2020**, 196, 111352	6	21
23	Sorbitan monooleate and poly(L-lactide-co-epsilon-caprolactone) electrospun nanofibers for endothelial cell interactions. *Journal of Biomedical Materials Research - Part A*, **2009**, 91, 878-85	5.4	20
22	Physico-Chemical and Biological Evaluation of PLCL/SF Nanofibers Loaded with Oregano Essential Oil. *Pharmaceutics*, **2019**, 11,	6.4	19
21	A novel knitted scaffold made of microfiber/nanofiber core-sheath yarns for tendon tissue engineering. *Biomaterials Science*, **2020**, 8, 4413-4425	7.4	18

20	Fabrication of poly(ester-urethane)urea elastomer/gelatin electrospun nanofibrous membranes for potential applications in skin tissue engineering. *RSC Advances*, **2016**, 6, 73636-73644	3.7	18
19	Chondroitin sulfate modified 3D porous electrospun nanofiber scaffolds promote cartilage regeneration. *Materials Science and Engineering C*, **2021**, 118, 111312	8.3	18
18	A novel heparin loaded poly(l-lactide-co-caprolactone) covered stent for aneurysm therapy. *Materials Letters*, **2014**, 116, 39-42	3.3	16
17	Rosuvastatin- and Heparin-Loaded Poly(l-lactide- co-caprolactone) Nanofiber Aneurysm Stent Promotes Endothelialization via Vascular Endothelial Growth Factor Type A Modulation. *ACS Applied Materials & Interfaces*, **2018**, 10, 41012-41018	9.5	14
16	A woven scaffold with continuous mineral gradients for tendon-to-bone tissue engineering. *Composites Part B: Engineering*, **2021**, 212, 108679	10	13
15	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
14	Heparin and rosuvastatin calcium-loaded poly(L-lactide-co-caprolactone) nanofiber-covered stent-grafts for aneurysm treatment. *New Journal of Chemistry*, **2017**, 41, 9014-9023	3.6	11
13	Electrospun silk fibroin□poly (lactic-co-glycolic acid) membrane for nerve tissue engineering. *Journal of Bioactive and Compatible Polymers*, **2016**, 31, 208-224	2	9
12	Gas foaming of electrospun poly(L-lactide-co-caprolactone)/silk fibroin nanofiber scaffolds to promote cellular infiltration and tissue regeneration. *Colloids and Surfaces B: Biointerfaces*, **2021**, 201, 111637	6	9
11	Harnessing electrospun nanofibers to recapitulate hierarchical fibrous structures of meniscus. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2021**, 109, 201-213	3.5	9
10	Magnesium oxide-incorporated electrospun membranes inhibit bacterial infections and promote the healing process of infected wounds. *Journal of Materials Chemistry B*, **2021**, 9, 3727-3744	7.3	9
9	A facile approach for the fabrication of nano-attapulgite/poly(vinyl pyrrolidone)/biopolymers core□sheath ultrafine fibrous mats for drug controlled release. *RSC Advances*, **2016**, 6, 49817-49823	3.7	8
8	VEGF-Capturing Aligned Electrospun Polycaprolactone/Gelatin Nanofibers Promote Patellar Ligament Regeneration. *Acta Biomaterialia*, **2021**, 140, 233-233	10.8	5
7	Preparation and evaluation of poly(ester-urethane) urea/gelatin nanofibers based on different crosslinking strategies for potential applications in vascular tissue engineering.. *RSC Advances*, **2018** , 8, 35917-35927	3.7	5
6	A multifunctional green antibacterial rapid hemostasis composite wound dressing for wound healing. *Biomaterials Science*, **2021**, 9, 7124-7133	7.4	4
5	Incorporation of magnesium oxide nanoparticles into electrospun membranes improves pro-angiogenic activity and promotes diabetic wound healing.. *Materials Science and Engineering C*, **2021**, 112609	8.3	2
4	Electrospun biodegradable nanofibers loaded with epigallocatechin gallate for guided bone regeneration. *Composites Part B: Engineering*, **2022**, 238, 109920	10	2
3	Advances in electrospun scaffolds for meniscus tissue engineering and regeneration. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2021**,	3.5	1

2	Nanofiber Configuration of Electrospun Scaffolds Dictating Cell Behaviors and Cell-scaffold Interactions. *Chemical Research in Chinese Universities*, **2021**, 37, 456-463	2.2	1
1	Nanofiber configuration affects biological performance of decellularized meniscus extracellular matrix incorporated electrospun scaffolds. *Biomedical Materials (Bristol)*, **2021**, 16,	3.5	1