Xiu-Mei Mo

List of Publications by Year in Descending Order

217 papers	6,780 citations	48 h-index	68 g-index
225 ext. papers	8,546 ext. citations	6.6 avg, IF	6.29 L-index

#	Paper	IF	Citations
217	Metronidazole Topically Immobilized Electrospun Nanofibrous Scaffold: Novel Secondary Intention Wound Healing Accelerator.. *Polymers*, **2022**, 14,	4.5	4
216	Chondroitin sulfate cross-linked three-dimensional tailored electrospun scaffolds for cartilage regeneration.. *Materials Science and Engineering C*, **2022**, 112643	8.3	1
215	Delivery of mRNA vaccines and anti-PDL1 siRNA through non-invasive transcutaneous route effectively inhibits tumor growth. *Composites Part B: Engineering*, **2022**, 233, 109648	10	4
214	Electrospun nanoyarn and exosomes of adipose-derived stem cells for urethral regeneration: Evaluations in vitro and in vivo. *Colloids and Surfaces B: Biointerfaces*, **2022**, 209, 112218	6	4
213	Astragalus and human mesenchymal stem cells promote wound healing by mediating immunomodulatory effects through paracrine signaling.. *Regenerative Medicine*, **2022**,	2.5	2
212	Review of the Recent Advances in Electrospun Nanofibers Applications in Water Purification.. *Polymers*, **2022**, 14,	4.5	9
211	Electrospun biodegradable nanofibers loaded with epigallocatechin gallate for guided bone regeneration. *Composites Part B: Engineering*, **2022**, 238, 109920	10	2
210	Reactive Oxygen Species-Based Biomaterials for Regenerative Medicine and Tissue Engineering Applications.. *Frontiers in Bioengineering and Biotechnology*, **2021**, 9, 821288	5.8	4
209	Biocompatibility, hemostatic properties, and wound healing evaluation of tilapia skin collagen sponges. *Journal of Bioactive and Compatible Polymers*, **2021**, 36, 44-58	2	3
208	Transcutaneous tumor vaccination combined with anti-programmed death-1 monoclonal antibody treatment produces a synergistic antitumor effect. *Acta Biomaterialia*, **2021**,	10.8	4
207	VEGF-Capturing Aligned Electrospun Polycaprolactone/Gelatin Nanofibers Promote Patellar Ligament Regeneration. *Acta Biomaterialia*, **2021**, 140, 233-233	10.8	5
206	Advances in electrospun scaffolds for meniscus tissue engineering and regeneration. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2021**,	3.5	1
205	Diethyldithiocarbamate/silk fibroin/polyethylene oxide nanofibrous for cancer therapy: Fabrication, characterization and in vitro evaluation. *International Journal of Biological Macromolecules*, **2021**, 193, 293-299	7.9	3
204	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
203	Silk fibroin/poly-(L-lactide-co-caprolactone) nanofiber scaffolds loaded with Huangbai Liniment to accelerate diabetic wound healing. *Colloids and Surfaces B: Biointerfaces*, **2021**, 199, 111557	6	9
202	Nanofiber Configuration of Electrospun Scaffolds Dictating Cell Behaviors and Cell-scaffold Interactions. *Chemical Research in Chinese Universities*, **2021**, 37, 456-463	2.2	1
201	Green Electrospun Silk Fibroin Nanofibers Loaded with Cationic Ethosomes for Transdermal Drug Delivery. *Chemical Research in Chinese Universities*, **2021**, 37, 488-495	2.2	2

200	Electrospun fibrous sponge via short fiber for mimicking 3D ECM. *Journal of Nanobiotechnology*, **2021**, 19, 131	9.4	12
199	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
198	A woven scaffold with continuous mineral gradients for tendon-to-bone tissue engineering. *Composites Part B: Engineering*, **2021**, 212, 108679	10	13
197	Fabrication of scaffold based on gelatin and polycaprolactone (PCL) for wound dressing application. *Journal of Drug Delivery Science and Technology*, **2021**, 63, 102501	4.5	15
196	A bilayer vascular scaffold with spatially controlled release of growth factors to enhance in situ rapid endothelialization and smooth muscle regeneration. *Materials and Design*, **2021**, 204, 109649	8.1	2
195	Conjugate Electrospun 3D Gelatin Nanofiber Sponge for Rapid Hemostasis. *Advanced Healthcare Materials*, **2021**, 10, e2100918	10.1	16
194	Macroporous 3D Scaffold with Self-Fitting Capability for Effectively Repairing Massive Rotator Cuff Tear. *ACS Biomaterials Science and Engineering*, **2021**, 7, 904-915	5.5	2
193	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
192	Chondroitin sulfate modified 3D porous electrospun nanofiber scaffolds promote cartilage regeneration. *Materials Science and Engineering C*, **2021**, 118, 111312	8.3	18
191	A 3D-Bioprinted dual growth factor-releasing intervertebral disc scaffold induces nucleus pulposus and annulus fibrosus reconstruction. *Bioactive Materials*, **2021**, 6, 179-190	16.7	18
190	Electrodeposition of calcium phosphate onto polyethylene terephthalate artificial ligament enhances graft-bone integration. *Bioactive Materials*, **2021**, 6, 783-793	16.7	12
189	Covalent grafting of PEG and heparin improves biological performance of electrospun vascular grafts for carotid artery replacement. *Acta Biomaterialia*, **2021**, 119, 211-224	10.8	15
188	Electrospinning for healthcare: recent advancements. *Journal of Materials Chemistry B*, **2021**, 9, 939-951	7.3	33
187	Tenogenic adipose-derived stem cell sheets with nanoyarn scaffolds for tendon regeneration. *Materials Science and Engineering C*, **2021**, 119, 111506	8.3	8
186	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
185	Electrospinning: An emerging technology to construct polymer-based nanofibrous scaffolds for diabetic wound healing. *Frontiers of Materials Science*, **2021**, 15, 10-35	2.5	6
184	Evaluation of a novel tilapia-skin acellular dermis matrix rationally processed for enhanced wound healing. *Materials Science and Engineering C*, **2021**, 127, 112202	8.3	5
183	An injectable double cross-linked hydrogel adhesive inspired by synergistic effects of mussel foot proteins for biomedical application. *Colloids and Surfaces B: Biointerfaces*, **2021**, 204, 111782	6	5

182	Multifunctional bioactive core-shell electrospun membrane capable to terminate inflammatory cycle and promote angiogenesis in diabetic wound. *Bioactive Materials*, **2021**, 6, 2783-2800	16.7	23
181	The evaluation of functional small intestinal submucosa for abdominal wall defect repair in a rat model: Potent effect of sequential release of VEGF and TGF-β1 on host integration. *Biomaterials*, **2021**, 276, 120999	15.6	5
180	Nanofiber configuration affects biological performance of decellularized meniscus extracellular matrix incorporated electrospun scaffolds. *Biomedical Materials (Bristol)*, **2021**, 16,	3.5	1
179	Three-dimensional porous gas-foamed electrospun nanofiber scaffold for cartilage regeneration. *Journal of Colloid and Interface Science*, **2021**, 603, 94-109	9.3	12
178	A multifunctional green antibacterial rapid hemostasis composite wound dressing for wound healing. *Biomaterials Science*, **2021**, 9, 7124-7133	7.4	4
177	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
176	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
175	Electrospinning nanofiber scaffolds for soft and hard tissue regeneration. *Journal of Materials Science and Technology*, **2020**, 59, 243-261	9.1	64
174	Polyvinyl Alcohol/Hydroxyethylcellulose Containing Ethosomes as a Scaffold for Transdermal Drug Delivery Applications. *Applied Biochemistry and Biotechnology*, **2020**, 191, 1624-1637	3.2	8
173	Advanced fabrication for electrospun three-dimensional nanofiber aerogels and scaffolds. *Bioactive Materials*, **2020**, 5, 963-979	16.7	67
172	A novel knitted scaffold made of microfiber/nanofiber core-sheath yarns for tendon tissue engineering. *Biomaterials Science*, **2020**, 8, 4413-4425	7.4	18
171	Moving Electrospun Nanofibers and Bioprinted Scaffolds toward Translational Applications. *Advanced Healthcare Materials*, **2020**, 9, e1901761	10.1	19
170	Injectable double-crosslinked hydrogels with kartogenin-conjugated polyurethane nano-particles and transforming growth factor β for in-situ cartilage regeneration. *Materials Science and Engineering C*, **2020**, 110, 110705	8.3	16
169	A biodegradable multifunctional nanofibrous membrane for periodontal tissue regeneration. *Acta Biomaterialia*, **2020**, 108, 207-222	10.8	39
168	An atorvastatin calcium and poly(L-lactide-co-caprolactone) core-shell nanofiber-covered stent to treat aneurysms and promote reendothelialization. *Acta Biomaterialia*, **2020**, 111, 102-117	10.8	14
167	In situ forming hydrogel of natural polysaccharides through Schiff base reaction for soft tissue adhesive and hemostasis. *International Journal of Biological Macromolecules*, **2020**, 147, 653-666	7.9	39
166	Moist-Retaining, Self-Recoverable, Bioadhesive, and Transparent in Situ Forming Hydrogels To Accelerate Wound Healing. *ACS Applied Materials & Interfaces*, **2020**, 12, 2023-2038	9.5	51
165	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

164	Fabrication of Multilayered Nanofiber Scaffolds with a Highly Aligned Nanofiber Yarn for Anisotropic Tissue Regeneration. *ACS Omega*, **2020**, 5, 24340-24350	3.9	15
163	Mechanically-reinforced 3D scaffold constructed by silk nonwoven fabric and silk fibroin sponge. *Colloids and Surfaces B: Biointerfaces*, **2020**, 196, 111361	6	5
162	Biomimetic and hierarchical nerve conduits from multifunctional nanofibers for guided peripheral nerve regeneration. *Acta Biomaterialia*, **2020**, 117, 180-191	10.8	12
161	A bi-layered tubular scaffold for effective anti-coagulant in vascular tissue engineering. *Materials and Design*, **2020**, 194, 108943	8.1	7
160	Galactosylated chitosan-modified ethosomes combined with silk fibroin nanofibers is useful in transcutaneous immunization. *Journal of Controlled Release*, **2020**, 327, 88-99	11.7	12
159	Effective Reconstruction of Functional Urethra Promoted With ICG-001 Delivery Using Core-Shell Collagen/Poly(Llactide-co-caprolactone) [P(LLA-CL)] Nanoyarn-Based Scaffold: A Study in Dog Model. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 774	5.8	2
158	Construction and performance evaluation of Hep/silk-PLCL composite nanofiber small-caliber artificial blood vessel graft. *Biomaterials*, **2020**, 259, 120288	15.6	16
157	Reduced Graphene Oxide-Encapsulated Microfiber Patterns Enable Controllable Formation of Neuronal-Like Networks. *Advanced Materials*, **2020**, 32, e2004555	24	22
156	3D printing electrospinning fiber-reinforced decellularized extracellular matrix for cartilage regeneration. *Chemical Engineering Journal*, **2020**, 382, 122986	14.7	62
155	Polyethylenimine and sodium cholate-modified ethosomes complex as multidrug carriers for the treatment of melanoma through transdermal delivery. *Nanomedicine*, **2019**, 14, 2395-2408	5.6	16
154	Ribosomal Protein-A2 Peptide/Silk Fibroin Nanofibrous Composites as Potential Wound Dressing. *Journal of Biomedical Nanotechnology*, **2019**, 15, 507-517	4	15
153	Evaluation of biocompatibility and immunogenicity of micro/nanofiber materials based on tilapia skin collagen. *Journal of Biomaterials Applications*, **2019**, 33, 1118-1127	2.9	15
152	Three-dimensional printed electrospun fiber-based scaffold for cartilage regeneration. *Materials and Design*, **2019**, 179, 107886	8.1	50
151	Electrospun Nanofibers for Tissue Engineering with Drug Loading and Release. *Pharmaceutics*, **2019**, 11,	6.4	88
150	Silk fibroin/poly(L-lactic acid-co-caprolactone) electrospun nanofibrous scaffolds exert a protective effect following myocardial infarction. *Experimental and Therapeutic Medicine*, **2019**, 17, 3989-3998	2.1	5
149	Enhancement of Schwann Cells Function Using Graphene-Oxide-Modified Nanofiber Scaffolds for Peripheral Nerve Regeneration. *ACS Biomaterials Science and Engineering*, **2019**, 5, 2444-2456	5.5	35
148	Photothermal Welding, Melting, and Patterned Expansion of Nonwoven Mats of Polymer Nanofibers for Biomedical and Printing Applications. *Angewandte Chemie - International Edition*, **2019**, 58, 16416-16421	16.4	21
147	Photothermal Welding, Melting, and Patterned Expansion of Nonwoven Mats of Polymer Nanofibers for Biomedical and Printing Applications. *Angewandte Chemie*, **2019**, 131, 16568-16573	3.6	8

146	Physico-Chemical and Biological Evaluation of PLCL/SF Nanofibers Loaded with Oregano Essential Oil. *Pharmaceutics*, **2019**, 11,	6.4	19
145	Evaluation of a simple off-the-shelf bi-layered vascular scaffold based on poly(L-lactide-co-□caprolactone)/silk fibroin in vitro and in vivo. *International Journal of Nanomedicine*, **2019**, 14, 4261-4276	7.3	19
144	3D printing of biomimetic vasculature for tissue regeneration. *Materials Horizons*, **2019**, 6, 1197-1206	14.4	62
143	Leptin-Induced Angiogenesis of EA.Hy926 Endothelial Cells the Akt and Wnt Signaling Pathways and. *Frontiers in Pharmacology*, **2019**, 10, 1275	5.6	7
142	Polypyrrole-coated poly(l-lactic acid-co-□caprolactone)/silk fibroin nanofibrous nerve guidance conduit induced nerve regeneration in rat. *Materials Science and Engineering C*, **2019**, 94, 190-199	8.3	50
141	Facile preparation of a controlled-release tubular scaffold for blood vessel implantation. *Journal of Colloid and Interface Science*, **2019**, 539, 351-360	9.3	20
140	Molecularly engineered metal-based bioactive soft materials - Neuroactive magnesium ion/polymer hybrids. *Acta Biomaterialia*, **2019**, 85, 310-319	10.8	23
139	A general strategy of 3D printing thermosets for diverse applications. *Materials Horizons*, **2019**, 6, 394-404	14.4	60
138	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
137	Versatile Nanocarrier Based on Functionalized Mesoporous Silica Nanoparticles to Codeliver Osteogenic Gene and Drug for Enhanced Osteodifferentiation. *ACS Biomaterials Science and Engineering*, **2019**, 5, 710-723	5.5	18
136	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
135	Intra-articular injection of kartogenin-conjugated polyurethane nanoparticles attenuates the progression of osteoarthritis. *Drug Delivery*, **2018**, 25, 1004-1012	7	39
134	Cirsium Japonicum DC ingredients-loaded silk fibroin nanofibrous matrices with excellent hemostatic activity. *Biomedical Physics and Engineering Express*, **2018**, 4, 025035	1.5	3
133	Restoring tracheal defects in a rabbit model with tissue engineered patches based on TGF-□-encapsulating electrospun poly(l-lactic acid-co-□caprolactone)/collagen scaffolds. *Artificial Cells, Nanomedicine and Biotechnology*, **2018**, 46, 985-995	6.1	5
132	General Method for Generating Circular Gradients of Active Proteins on Nanofiber Scaffolds Sought for Wound Closure and Related Applications. *ACS Applied Materials & Interfaces*, **2018**, 10, 8536-8545	9.5	31
131	Evaluation of hydrogels for soft tissue adhesives in vitro and in vivo analyses. *Frontiers of Materials Science*, **2018**, 12, 95-104	2.5	6
130	Mesoporous silica nanoparticles/gelatin porous composite scaffolds with localized and sustained release of vancomycin for treatment of infected bone defects. *Journal of Materials Chemistry B*, **2018**, 6, 740-752	7.3	43
129	A Method to Control Curcumin Release from PELA Fibers by Heat Treatment. *Advances in Polymer Technology*, **2018**, 37, 647-653	1.9	5

128	Synthesis and characterization of incorporating mussel mimetic moieties into photoactive hydrogel adhesive. *Colloids and Surfaces B: Biointerfaces*, **2018**, 161, 94-102	6	12
127	The fabrication of 3D surface scaffold of collagen/poly (L-lactide-co-caprolactone) with dynamic liquid system and its application in urinary incontinence treatment as a tissue engineered sub-urethral sling: In vitro and in vivo study. *Neurourology and Urodynamics*, **2018**, 37, 978-985	2.3	7
126	Fabrication and characterization of TGF-β1-loaded electrospun poly (lactic-co-glycolic acid) core-sheath sutures. *Colloids and Surfaces B: Biointerfaces*, **2018**, 161, 331-338	6	22
125	A novel electrospun-aligned nanoyarn/three-dimensional porous nanofibrous hybrid scaffold for annulus fibrosus tissue engineering. *International Journal of Nanomedicine*, **2018**, 13, 1553-1567	7.3	24
124	Engineering PCL/lignin nanofibers as an antioxidant scaffold for the growth of neuron and Schwann cell. *Colloids and Surfaces B: Biointerfaces*, **2018**, 169, 356-365	6	74
123	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
122	Lycium barbarum polysaccharide encapsulated Poly lactic-co-glycolic acid Nanofibers: cost effective herbal medicine for potential application in peripheral nerve tissue engineering. *Scientific Reports*, **2018**, 8, 8669	4.9	26
121	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
120	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
119	Wearable Electronics: A Single Integrated 3D-Printing Process Customizes Elastic and Sustainable Triboelectric Nanogenerators for Wearable Electronics (Adv. Funct. Mater. 46/2018). *Advanced Functional Materials*, **2018**, 28, 1870331	15.6	1
118	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
117	Macroporous nanofibrous vascular scaffold with improved biodegradability and smooth muscle cells infiltration prepared by dual phase separation technique. *International Journal of Nanomedicine*, **2018**, 13, 7003-7018	7.3	16
116	Electrospun polypyrrole-coated polycaprolactone nanoyarn nerve guidance conduits for nerve tissue engineering. *Frontiers of Materials Science*, **2018**, 12, 438-446	2.5	26
115	A Single Integrated 3D-Printing Process Customizes Elastic and Sustainable Triboelectric Nanogenerators for Wearable Electronics. *Advanced Functional Materials*, **2018**, 28, 1805108	15.6	87
114	Design and Fabrication of a Biomimetic Vascular Scaffold Promoting in Situ Endothelialization and Tunica Media Regeneration.. *ACS Applied Bio Materials*, **2018**, 1, 833-844	4.1	13
113	A Method for Preparation of an Internal Layer of Artificial Vascular Graft Co-Modified with Salvianolic Acid B and Heparin. *ACS Applied Materials & Interfaces*, **2018**, 10, 19365-19372	9.5	31
112	The cellular response of nerve cells on poly-l-lysine coated PLGA-MWCNTs aligned nanofibers under electrical stimulation. *Materials Science and Engineering C*, **2018**, 91, 715-726	8.3	52
111	Modified alginate and gelatin cross-linked hydrogels for soft tissue adhesive. *Artificial Cells, Nanomedicine and Biotechnology*, **2017**, 45, 76-83	6.1	34

110	Coaxial electrospinning multicomponent functional controlled-release vascular graft: Optimization of graft properties. *Colloids and Surfaces B: Biointerfaces*, **2017**, 152, 432-439	6	19
109	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
108	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
107	An interpenetrating network-strengthened and toughened hydrogel that supports cell-based nucleus pulposus regeneration. *Biomaterials*, **2017**, 136, 12-28	15.6	63
106	Two-phase electrospinning to incorporate growth factors loaded chitosan nanoparticles into electrospun fibrous scaffolds for bioactivity retention and cartilage regeneration. *Materials Science and Engineering C*, **2017**, 79, 507-515	8.3	32
105	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
104	Surface heparinization and blood compatibility modification of small intestinal submucosa (SIS) for small-caliber vascular regeneration. *Bio-Medical Materials and Engineering*, **2017**, 28, 213-222	1	6
103	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
102	Stem cell homing-based tissue engineering using bioactive materials. *Frontiers of Materials Science*, **2017**, 11, 93-105	2.5	16
101	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
100	Injectable photo crosslinked enhanced double-network hydrogels from modified sodium alginate and gelatin. *International Journal of Biological Macromolecules*, **2017**, 96, 569-577	7.9	54
99	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
98	3D bioprinting of urethra with PCL/PLCL blend and dual autologous cells in fibrin hydrogel: An in vitro evaluation of biomimetic mechanical property and cell growth environment. *Acta Biomaterialia*, **2017**, 50, 154-164	10.8	149
97	Mechanical enhancement and in vitro biocompatibility of nanofibrous collagen-chitosan scaffolds for tissue engineering. *Journal of Biomaterials Science, Polymer Edition*, **2017**, 28, 2255-2270	3.5	13
96	Development of fish collagen/bioactive glass/chitosan composite nanofibers as a GTR/GBR membrane for inducing periodontal tissue regeneration. *Biomedical Materials (Bristol)*, **2017**, 12, 055004	3.5	54
95	A soft tissue adhesive based on aldehyde-sodium alginate and amino-carboxymethyl chitosan preparation through the Schiff reaction. *Frontiers of Materials Science*, **2017**, 11, 215-222	2.5	18
94	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
93	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

92	Rapid in situ cross-linking of hydrogel adhesives based on thiol-grafted bio-inspired catechol-conjugated chitosan. *Journal of Biomaterials Applications*, **2017**, 32, 612-621	2.9	13
91	Evaluation of the potential of kartogenin encapsulated poly(L-lactic acid-co-caprolactone)/collagen nanofibers for tracheal cartilage regeneration. *Journal of Biomaterials Applications*, **2017**, 32, 331-341	2.9	23
90	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
89	Multifunctional and biomimetic fish collagen/bioactive glass nanofibers: fabrication, antibacterial activity and inducing skin regeneration in vitro and in vivo. *International Journal of Nanomedicine*, **2017**, 12, 3495-3507	7.3	53
88	The Effect of Plasma Treated PLGA/MWCNTs-COOH Composite Nanofibers on Nerve Cell Behavior. *Polymers*, **2017**, 9,	4.5	19
87	Superabsorbent 3D Scaffold Based on Electrospun Nanofibers for Cartilage Tissue Engineering. *ACS Applied Materials & Interfaces*, **2016**, 8, 24415-25	9.5	183
86	Dual-Responsive Mesoporous Silica Nanoparticles Mediated Codelivery of Doxorubicin and Bcl-2 SiRNA for Targeted Treatment of Breast Cancer. *Journal of Physical Chemistry C*, **2016**, 120, 22375-22387	3.8	73
85	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
84	A comparison of nanoscale and multiscale PCL/gelatin scaffolds prepared by disc-electrospinning. *Colloids and Surfaces B: Biointerfaces*, **2016**, 146, 632-41	6	30
83	The comparison of the Wnt signaling pathway inhibitor delivered electrospun nanoyarn fabricated with two methods for the application of urethroplasty. *Frontiers of Materials Science*, **2016**, 10, 346-357	2.5	1
82	Hyaluronic acid/EDC/NHS-crosslinked green electrospun silk fibroin nanofibrous scaffolds for tissue engineering. *RSC Advances*, **2016**, 6, 99720-99728	3.7	28
81	Preliminary study of a novel nanofiber-based valve integrated tubular graft as an alternative for a pulmonary valved artery. *RSC Advances*, **2016**, 6, 84837-84846	3.7	4
80	Development of Porous Alginate Microbeads Containing Silver Nanoparticles and Their Antibacterial Efficacy. *Advances in Polymer Technology*, **2016**, 35, 298-306	1.9	4
79	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
78	Enhancement of chondrogenic differentiation of rabbit mesenchymal stem cells by oriented nanofiber yarn-collagen type I/hyaluronate hybrid. *Materials Science and Engineering C*, **2016**, 58, 1071-6	8.3	28
77	Electrospun tilapia collagen nanofibers accelerating wound healing via inducing keratinocytes proliferation and differentiation. *Colloids and Surfaces B: Biointerfaces*, **2016**, 143, 415-422	6	115
76	In vitro evaluation of electrospun gelatin–glutaraldehyde nanofibers. *Frontiers of Materials Science*, **2016**, 10, 90-100	2.5	32
75	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

74	Superelastic, superabsorbent and 3D nanofiber-assembled scaffold for tissue engineering. *Colloids and Surfaces B: Biointerfaces*, **2016**, 142, 165-172	6	78
73	Electrophoretic Deposition of Dexamethasone-Loaded Mesoporous Silica Nanoparticles onto Poly(L-Lactic Acid)/Poly(ε-Caprolactone) Composite Scaffold for Bone Tissue Engineering. *ACS Applied Materials & Interfaces*, **2016**, 8, 4137-48	9.5	79
72	Electrospun Polyvinyl Alcohol/ Pluronic F127 Blended Nanofibers Containing Titanium Dioxide for Antibacterial Wound Dressing. *Applied Biochemistry and Biotechnology*, **2016**, 178, 1488-502	3.2	44
71	Preparation and characterization of electrospun in-situ cross-linked gelatin-graphite oxide nanofibers. *Journal of Biomaterials Science, Polymer Edition*, **2016**, 27, 385-402	3.5	9
70	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
69	A Controlled Release Codelivery System of MSCs Encapsulated in Dextran/Gelatin Hydrogel with TGF-3-Loaded Nanoparticles for Nucleus Pulposus Regeneration. *Stem Cells International*, **2016**, 2016, 9042019	5	24
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