

Xiu-Mei Mo

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Fabrication of chitosan/silk fibroin composite nanofibers for wound-dressing applications. <i>International Journal of Molecular Sciences</i> , 2010 , 11, 3529-39	6.3	248
216	Superabsorbent 3D Scaffold Based on Electrospun Nanofibers for Cartilage Tissue Engineering. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 24415-25	9.5	183
215	BMP-2 Derived Peptide and Dexamethasone Incorporated Mesoporous Silica Nanoparticles for Enhanced Osteogenic Differentiation of Bone Mesenchymal Stem Cells. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 15777-89	9.5	152
214	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. <i>Acta Biomaterialia</i> , 2017 , 50, 154-164	10.8	149
213	Preparation and characterization of coaxial electrospun thermoplastic polyurethane/collagen compound nanofibers for tissue engineering applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010 , 79, 315-25	6	147
212	Aligned natural-synthetic polyblend nanofibers for peripheral nerve regeneration. <i>Acta Biomaterialia</i> , 2011 , 7, 634-43	10.8	145
211	Electrospun tilapia collagen nanofibers accelerating wound healing via inducing keratinocytes proliferation and differentiation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 143, 415-422	6	115
210	In vitro and in vivo studies of electroactive reduced graphene oxide-modified nanofiber scaffolds for peripheral nerve regeneration. <i>Acta Biomaterialia</i> , 2019 , 84, 98-113	10.8	99
209	Electrospinning collagen/chitosan/poly(L-lactic acid-co-ε-caprolactone) to form a vascular graft: mechanical and biological characterization. <i>Journal of Biomedical Materials Research - Part A</i> , 2013 , 101, 1292-301	5.4	95
208	Vitamin E-loaded silk fibroin nanofibrous mats fabricated by green process for skin care application. <i>International Journal of Biological Macromolecules</i> , 2013 , 56, 49-56	7.9	89
207	Electrospun Nanofibers for Tissue Engineering with Drug Loading and Release. <i>Pharmaceutics</i> , 2019 , 11,	6.4	88
206	A Single Integrated 3D-Printing Process Customizes Elastic and Sustainable Triboelectric Nanogenerators for Wearable Electronics. <i>Advanced Functional Materials</i> , 2018 , 28, 1805108	15.6	87
205	Effects of plasma treatment to nanofibers on initial cell adhesion and cell morphology. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 113, 101-6	6	83
204	Fabrication of electrospun poly(L-lactide-co-ε-caprolactone)/collagen nanoyarn network as a novel, three-dimensional, macroporous, aligned scaffold for tendon tissue engineering. <i>Tissue Engineering - Part C: Methods</i> , 2013 , 19, 925-36	2.9	82
203	Soft tissue adhesive composed of modified gelatin and polysaccharides. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2000 , 11, 341-51	3.5	80
202	Electrophoretic Deposition of Dexamethasone-Loaded Mesoporous Silica Nanoparticles onto Poly(L-Lactic Acid)/Poly(ε-Caprolactone) Composite Scaffold for Bone Tissue Engineering. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 4137-48	9.5	79
201	Superelastic, superabsorbent and 3D nanofiber-assembled scaffold for tissue engineering. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 142, 165-172	6	78

200	A novel electrospun-aligned nanoyarn-reinforced nanofibrous scaffold for tendon tissue engineering. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 122, 270-276	6	77
199	Polypyrrole-coated poly(l-lactic acid-co-ε-caprolactone)/silk fibroin nanofibrous membranes promoting neural cell proliferation and differentiation with electrical stimulation. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 6670-6679	7.3	75
198	Engineering PCL/lignin nanofibers as an antioxidant scaffold for the growth of neuron and Schwann cell. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 169, 356-365	6	74
197	The effect of mechanical stimulation on the maturation of TDSCs-poly(L-lactide-co-ε-caprolactone)/collagen scaffold constructs for tendon tissue engineering. <i>Biomaterials</i> , 2014 , 35, 2760-72	15.6	74
196	Three-dimensional electrospun nanofibrous scaffolds displaying bone morphogenetic protein-2-derived peptides for the promotion of osteogenic differentiation of stem cells and bone regeneration. <i>Journal of Colloid and Interface Science</i> , 2019 , 534, 625-636	9.3	74
195	Dual-Responsive Mesoporous Silica Nanoparticles Mediated Codelivery of Doxorubicin and Bcl-2 siRNA for Targeted Treatment of Breast Cancer. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 22375-22387 ^{2.8}	7.8	73
194	Three-dimensional polycaprolactone scaffold via needleless electrospinning promotes cell proliferation and infiltration. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 121, 432-43	6	69
193	Electrospun poly(L-lactic acid-co-ε-caprolactone) fibers loaded with heparin and vascular endothelial growth factor to improve blood compatibility and endothelial progenitor cell proliferation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 128, 106-114	6	67
192	Advanced fabrication for electrospun three-dimensional nanofiber aerogels and scaffolds. <i>Bioactive Materials</i> , 2020 , 5, 963-979	16.7	67
191	Synthesis of RGD-peptide modified poly(ester-urethane) urea electrospun nanofibers as a potential application for vascular tissue engineering. <i>Chemical Engineering Journal</i> , 2017 , 315, 177-190	14.7	65
190	Electrospinning nanofiber scaffolds for soft and hard tissue regeneration. <i>Journal of Materials Science and Technology</i> , 2020 , 59, 243-261	9.1	64
189	An interpenetrating network-strengthened and toughened hydrogel that supports cell-based nucleus pulposus regeneration. <i>Biomaterials</i> , 2017 , 136, 12-28	15.6	63
188	3D printing of biomimetic vasculature for tissue regeneration. <i>Materials Horizons</i> , 2019 , 6, 1197-1206	14.4	62
187	3D printing electrospinning fiber-reinforced decellularized extracellular matrix for cartilage regeneration. <i>Chemical Engineering Journal</i> , 2020 , 382, 122986	14.7	62
186	Fabrication and preliminary study of a biomimetic tri-layer tubular graft based on fibers and fiber yarns for vascular tissue engineering. <i>Materials Science and Engineering C</i> , 2018 , 82, 121-129	8.3	61
185	A general strategy of 3D printing thermosets for diverse applications. <i>Materials Horizons</i> , 2019 , 6, 394-404	14.4	60
184	Development of Nanofiber Sponges-Containing Nerve Guidance Conduit for Peripheral Nerve Regeneration in Vivo. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 26684-26696	9.5	58
183	Polymerizing Pyrrole Coated Poly (l-lactic acid-co-ε-caprolactone) (PLCL) Conductive Nanofibrous Conduit Combined with Electric Stimulation for Long-Range Peripheral Nerve Regeneration. <i>Frontiers in Molecular Neuroscience</i> , 2016 , 9, 117	6.1	56

182	Injectable photo crosslinked enhanced double-network hydrogels from modified sodium alginate and gelatin. <i>International Journal of Biological Macromolecules</i> , 2017 , 96, 569-577	7.9	54
181	Development of fish collagen/bioactive glass/chitosan composite nanofibers as a GTR/GBR membrane for inducing periodontal tissue regeneration. <i>Biomedical Materials (Bristol)</i> , 2017 , 12, 055004 ^{3.5}		54
180	Biodegradable poly(ester urethane)urea elastomers with variable amino content for subsequent functionalization with phosphorylcholine. <i>Acta Biomaterialia</i> , 2014 , 10, 4639-4649	10.8	53
179	Cell infiltration and vascularization in porous nanoyarn scaffolds prepared by dynamic liquid electrospinning. <i>Journal of Biomedical Nanotechnology</i> , 2014 , 10, 603-14	4	53
178	Multifunctional and biomimetic fish collagen/bioactive glass nanofibers: fabrication, antibacterial activity and inducing skin regeneration in vitro and in vivo. <i>International Journal of Nanomedicine</i> , 2017 , 12, 3495-3507	7.3	53
177	The cellular response of nerve cells on poly-L-lysine coated PLGA-MWCNTs aligned nanofibers under electrical stimulation. <i>Materials Science and Engineering C</i> , 2018 , 91, 715-726	8.3	52
176	Moist-Retaining, Self-Recoverable, Bioadhesive, and Transparent in Situ Forming Hydrogels To Accelerate Wound Healing. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 2023-2038	9.5	51
175	Three-dimensional printed electrospun fiber-based scaffold for cartilage regeneration. <i>Materials and Design</i> , 2019 , 179, 107886	8.1	50
174	Polypyrrole-coated poly(L-lactic acid-co-ε-caprolactone)/silk fibroin nanofibrous nerve guidance conduit induced nerve regeneration in rat. <i>Materials Science and Engineering C</i> , 2019 , 94, 190-199	8.3	50
173	Heparin loading and pre-endothelialization in enhancing the patency rate of electrospun small-diameter vascular grafts in a canine model. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 2220-6 ^{9.5}		49
172	Electrospun SF/PLCL nanofibrous membrane: a potential scaffold for retinal progenitor cell proliferation and differentiation. <i>Scientific Reports</i> , 2015 , 5, 14326	4.9	49
171	Electrospun nanoyarn scaffold and its application in tissue engineering. <i>Materials Letters</i> , 2012 , 89, 146-149	3.9	49
170	Fabrication of silk fibroin blended P(LLA-CL) nanofibrous scaffolds for tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2010 , 93, 984-93	5.4	49
169	A multi-layered vascular scaffold with symmetrical structure by bi-directional gradient electrospinning. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 133, 179-88	6	46
168	Hierarchically designed injectable hydrogel from oxidized dextran, amino gelatin and 4-arm poly(ethylene glycol)-acrylate for tissue engineering application. <i>Journal of Materials Chemistry</i> , 2012 , 22, 25130		45
167	Electrospun Polyvinyl Alcohol/ Pluronic F127 Blended Nanofibers Containing Titanium Dioxide for Antibacterial Wound Dressing. <i>Applied Biochemistry and Biotechnology</i> , 2016 , 178, 1488-502	3.2	44
166	Mesoporous silica nanoparticles/gelatin porous composite scaffolds with localized and sustained release of vancomycin for treatment of infected bone defects. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 740-752	7.3	43
165	Evaluation of the potential of rhTGF-β encapsulated P(LLA-CL)/collagen nanofibers for tracheal cartilage regeneration using mesenchymal stems cells derived from Wharton's jelly of human umbilical cord. <i>Materials Science and Engineering C</i> , 2017 , 70, 637-645	8.3	41

164	Laminin-coated nerve guidance conduits based on poly(l-lactide-co-glycolide) fibers and yarns for promoting Schwann cells proliferation and migration. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 3186-3194	7.3	40
163	Nerve conduits constructed by electrospun P(LLA-CL) nanofibers and PLLA nanofiber yarns. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 8823-8831	7.3	40
162	Dexamethasone loaded core-shell SF/PEO nanofibers via green electrospinning reduced endothelial cells inflammatory damage. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 126, 561-8	6	40
161	A biodegradable multifunctional nanofibrous membrane for periodontal tissue regeneration. <i>Acta Biomaterialia</i> , 2020 , 108, 207-222	10.8	39
160	Intra-articular injection of kartogenin-conjugated polyurethane nanoparticles attenuates the progression of osteoarthritis. <i>Drug Delivery</i> , 2018 , 25, 1004-1012	7	39
159	In situ forming hydrogel of natural polysaccharides through Schiff base reaction for soft tissue adhesive and hemostasis. <i>International Journal of Biological Macromolecules</i> , 2020 , 147, 653-666	7.9	39
158	Application of Wnt Pathway Inhibitor Delivering Scaffold for Inhibiting Fibrosis in Urethra Strictures: In Vitro and in Vivo Study. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 27659-76	6.3	38
157	Degradation of electrospun SF/P(LLA-CL) blended nanofibrous scaffolds in vitro. <i>Polymer Degradation and Stability</i> , 2011 , 96, 2266-2275	4.7	38
156	Green electrospun pantothenic acid/silk fibroin composite nanofibers: fabrication, characterization and biological activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 117, 14-20	6	37
155	Rapid mineralization of porous gelatin scaffolds by electrodeposition for bone tissue engineering. <i>Journal of Materials Chemistry</i> , 2012 , 22, 2111-2119		37
154	Heparin and Vascular Endothelial Growth Factor Loaded Poly(L-lactide-co-caprolactone) Nanofiber Covered Stent-Graft for Aneurysm Treatment. <i>Journal of Biomedical Nanotechnology</i> , 2015 , 11, 1947-60	4	36
153	Enhancement of Schwann Cells Function Using Graphene-Oxide-Modified Nanofiber Scaffolds for Peripheral Nerve Regeneration. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 2444-2456	5.5	35
152	Orientated Guidance of Peripheral Nerve Regeneration Using Conduits with a Microtube Array Sheet (MTAS). <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 8437-50	9.5	35
151	Synthesis of hollow mesoporous silica nanoparticles with tunable shell thickness and pore size using amphiphilic block copolymers as core templates. <i>Dalton Transactions</i> , 2014 , 43, 11834-42	4.3	35
150	Effect of the Porous Microstructures of Poly(lactic-co-glycolic acid)/Carbon Nanotube Composites on the Growth of Fibroblast Cells. <i>Soft Materials</i> , 2010 , 8, 239-253	1.7	35
149	Modified alginate and gelatin cross-linked hydrogels for soft tissue adhesive. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017 , 45, 76-83	6.1	34
148	Electrospun poly(l-lactide-co-caprolactone)-collagen-chitosan vascular graft in a canine femoral artery model. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 5760-5768	7.3	33
147	Dual-layer aligned-random nanofibrous scaffolds for improving gradient microstructure of tendon-to-bone healing in a rabbit extra-articular model. <i>International Journal of Nanomedicine</i> , 2018 , 13, 3481-3492	7.3	33

- 146 Electrospinning for healthcare: recent advancements. *Journal of Materials Chemistry B*, **2021**, 9, 939-951 7.3 33
- 145 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
- 144 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
- 143 In vitro evaluation of electrospun gelatin-glutaraldehyde nanofibers. *Frontiers of Materials Science*, **2016**, 10, 90-100 2.5 32
- 142 A tissue adhesives evaluated in vitro and in vivo analysis. *Journal of Biomedical Materials Research - Part A*, **2010**, 94, 326-32 5.4 32
- 141 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
- 140 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
- 139 Current research on electrospinning of silk fibroin and its blends with natural and synthetic biodegradable polymers. *Frontiers of Materials Science*, **2013**, 7, 129-142 2.5 31
- 138 Encapsulation and Controlled Release of Heparin from Electrospun Poly(L-Lactide-co-ε-Caprolactone) Nanofibers. *Journal of Biomaterials Science, Polymer Edition*, **2011**, 22, 165-77 3.5 31
- 137 Electrospun nanofibers of collagen-chitosan and P(LLA-CL) for tissue engineering. *Frontiers of Materials Science in China*, **2007**, 1, 20-23 31
- 136 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
- 135 A comparison of nanoscale and multiscale PCL/gelatin scaffolds prepared by disc-electrospinning. *Colloids and Surfaces B: Biointerfaces*, **2016**, 146, 632-41 6 30
- 134 Fabrication of cell penetration enhanced poly (L-lactic acid-co-ε-caprolactone)/silk vascular scaffolds utilizing air-impedance electrospinning. *Colloids and Surfaces B: Biointerfaces*, **2014**, 120, 47-54⁶ 29
- 133 Hyaluronic acid/EDC/NHS-crosslinked green electrospun silk fibroin nanofibrous scaffolds for tissue engineering. *RSC Advances*, **2016**, 6, 99720-99728 3.7 28
- 132 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
- 131 Electrospun nanofibrous SF/P(LLA-CL) membrane: a potential substratum for endothelial keratoplasty. *International Journal of Nanomedicine*, **2015**, 10, 3337-50 7.3 28
- 130 Fabrication and characterization of curcumin-loaded silk fibroin/P(LLA-CL) nanofibrous scaffold. *Frontiers of Materials Science*, **2014**, 8, 354-362 2.5 28
- 129 Electrospinning of Heparin Encapsulated P(LLA-CL) Core/Shell Nanofibers. *Nano Biomedicine and Engineering*, **2010**, 2, 2.9 28

128	Thiol click modification of cyclic disulfide containing biodegradable polyurethane urea elastomers. <i>Biomacromolecules</i> , 2015 , 16, 1622-33	6.9	27
127	A novel approach via combination of electrospinning and FDM for tri-leaflet heart valve scaffold fabrication. <i>Frontiers of Materials Science in China</i> , 2009 , 3, 359-366		27
126	Lycium barbarum polysaccharide encapsulated Poly lactic-co-glycolic acid Nanofibers: cost effective herbal medicine for potential application in peripheral nerve tissue engineering. <i>Scientific Reports</i> , 2018 , 8, 8669	4.9	26
125	Electrospun polypyrrole-coated polycaprolactone nanoyarn nerve guidance conduits for nerve tissue engineering. <i>Frontiers of Materials Science</i> , 2018 , 12, 438-446	2.5	26
124	Incorporation of amoxicillin-loaded organic montmorillonite into poly(ester-urethane) urea nanofibers as a functional tissue engineering scaffold. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 151, 314-323	6	25
123	Fabrication of Silk Fibroin/P(LLA-CL) Aligned Nanofibrous Scaffolds for Nerve Tissue Engineering. <i>Macromolecular Materials and Engineering</i> , 2013 , 298, 565-574	3.9	25
122	A novel electrospun-aligned nanoyarn/three-dimensional porous nanofibrous hybrid scaffold for annulus fibrosus tissue engineering. <i>International Journal of Nanomedicine</i> , 2018 , 13, 1553-1567	7.3	24
121	A Controlled Release Codelivery System of MSCs Encapsulated in Dextran/Gelatin Hydrogel with TGF-3-Loaded Nanoparticles for Nucleus Pulposus Regeneration. <i>Stem Cells International</i> , 2016 , 2016, 9042019	5	24
120	An in situ forming tissue adhesive based on poly(ethylene glycol)-dimethacrylate and thiolated chitosan through the Michael reaction. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 5585-5592	7.3	24
119	Electrospun nanofibers incorporating self-decomposable silica nanoparticles as carriers for controlled delivery of anticancer drug. <i>RSC Advances</i> , 2015 , 5, 65897-65904	3.7	23
118	Evaluation of the potential of kartogenin encapsulated poly(L-lactic acid-co-caprolactone)/collagen nanofibers for tracheal cartilage regeneration. <i>Journal of Biomaterials Applications</i> , 2017 , 32, 331-341	2.9	23
117	Molecularly engineered metal-based bioactive soft materials - Neuroactive magnesium ion/polymer hybrids. <i>Acta Biomaterialia</i> , 2019 , 85, 310-319	10.8	23
116	Multifunctional bioactive core-shell electrospun membrane capable to terminate inflammatory cycle and promote angiogenesis in diabetic wound. <i>Bioactive Materials</i> , 2021 , 6, 2783-2800	16.7	23
115	Fabrication and characterization of TGF- β -loaded electrospun poly (lactic-co-glycolic acid) core-sheath sutures. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 161, 331-338	6	22
114	Reduced Graphene Oxide-Encapsulated Microfiber Patterns Enable Controllable Formation of Neuronal-Like Networks. <i>Advanced Materials</i> , 2020 , 32, e2004555	24	22
113	Fabrication and characterization of vitamin B5 loaded poly (l-lactide-co-caprolactone)/silk fiber aligned electrospun nanofibers for schwann cell proliferation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 144, 108-117	6	22
112	Exploration of the antibacterial and wound healing potential of a PLGA/silk fibroin based electrospun membrane loaded with zinc oxide nanoparticles. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 1452-1465	7.3	22
111	Photothermal Welding, Melting, and Patterned Expansion of Nonwoven Mats of Polymer Nanofibers for Biomedical and Printing Applications. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 16416-16421	16.4	21

110	PLCL/Silk fibroin based antibacterial nano wound dressing encapsulating oregano essential oil: Fabrication, characterization and biological evaluation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 196, 111352	6	21
109	Sorbitan monooleate and poly(L-lactide-co-epsilon-caprolactone) electrospun nanofibers for endothelial cell interactions. <i>Journal of Biomedical Materials Research - Part A</i> , 2009 , 91, 878-85	5.4	20
108	Facile preparation of a controlled-release tubular scaffold for blood vessel implantation. <i>Journal of Colloid and Interface Science</i> , 2019 , 539, 351-360	9.3	20
107	Coaxial electrospinning multicomponent functional controlled-release vascular graft: Optimization of graft properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 152, 432-439	6	19
106	Moving Electrospun Nanofibers and Bioprinted Scaffolds toward Translational Applications. <i>Advanced Healthcare Materials</i> , 2020 , 9, e1901761	10.1	19
105	Physico-Chemical and Biological Evaluation of PLCL/SF Nanofibers Loaded with Oregano Essential Oil. <i>Pharmaceutics</i> , 2019 , 11,	6.4	19
104	Evaluation of a simple off-the-shelf bi-layered vascular scaffold based on poly(L-lactide-co-epsilon-caprolactone)/silk fibroin in vitro and in vivo. <i>International Journal of Nanomedicine</i> , 2019 , 14, 4261-4276	7.3	19
103	The Effect of Plasma Treated PLGA/MWCNTs-COOH Composite Nanofibers on Nerve Cell Behavior. <i>Polymers</i> , 2017 , 9,	4.5	19
102	Electrospun scaffolds from silk fibroin and their cellular compatibility. <i>Journal of Biomedical Materials Research - Part A</i> , 2010 , 93, 976-83	5.4	19
101	A novel knitted scaffold made of microfiber/nanofiber core-sheath yarns for tendon tissue engineering. <i>Biomaterials Science</i> , 2020 , 8, 4413-4425	7.4	18
100	Fabrication of poly(ester-urethane)urea elastomer/gelatin electrospun nanofibrous membranes for potential applications in skin tissue engineering. <i>RSC Advances</i> , 2016 , 6, 73636-73644	3.7	18
99	A soft tissue adhesive based on aldehyde-sodium alginate and amino-carboxymethyl chitosan preparation through the Schiff reaction. <i>Frontiers of Materials Science</i> , 2017 , 11, 215-222	2.5	18
98	Versatile Nanocarrier Based on Functionalized Mesoporous Silica Nanoparticles to Codeliver Osteogenic Gene and Drug for Enhanced Osteodifferentiation. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 710-723	5.5	18
97	Chondroitin sulfate modified 3D porous electrospun nanofiber scaffolds promote cartilage regeneration. <i>Materials Science and Engineering C</i> , 2021 , 118, 111312	8.3	18
96	A 3D-Bioprinted dual growth factor-releasing intervertebral disc scaffold induces nucleus pulposus and annulus fibrosus reconstruction. <i>Bioactive Materials</i> , 2021 , 6, 179-190	16.7	18
95	Electrospun silk fibroin/poly (L-lactide-epsilon-caprolactone) graft with platelet-rich growth factor for inducing smooth muscle cell growth and infiltration. <i>International Journal of Energy Production and Management</i> , 2016 , 3, 239-45	5.3	17
94	Stem cell homing-based tissue engineering using bioactive materials. <i>Frontiers of Materials Science</i> , 2017 , 11, 93-105	2.5	16
93	Polyethylenimine and sodium cholate-modified ethosomes complex as multidrug carriers for the treatment of melanoma through transdermal delivery. <i>Nanomedicine</i> , 2019 , 14, 2395-2408	5.6	16

92	One-step cross-linked injectable hydrogels with tunable properties for space-filling scaffolds in tissue engineering. <i>RSC Advances</i> , 2015 , 5, 40820-40830	3.7	16
91	Injectable double-crosslinked hydrogels with kartogenin-conjugated polyurethane nano-particles and transforming growth factor β for in-situ cartilage regeneration. <i>Materials Science and Engineering C</i> , 2020 , 110, 110705	8.3	16
90	A novel heparin loaded poly(L-lactide-co-caprolactone) covered stent for aneurysm therapy. <i>Materials Letters</i> , 2014 , 116, 39-42	3.3	16
89	Construction and performance evaluation of Hep/silk-PLCL composite nanofiber small-caliber artificial blood vessel graft. <i>Biomaterials</i> , 2020 , 259, 120288	15.6	16
88	Conjugate Electrospun 3D Gelatin Nanofiber Sponge for Rapid Hemostasis. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2100918	10.1	16
87	Macroporous nanofibrous vascular scaffold with improved biodegradability and smooth muscle cells infiltration prepared by dual phase separation technique. <i>International Journal of Nanomedicine</i> , 2018 , 13, 7003-7018	7.3	16
86	Ribosomal Protein-A2 Peptide/Silk Fibroin Nanofibrous Composites as Potential Wound Dressing. <i>Journal of Biomedical Nanotechnology</i> , 2019 , 15, 507-517	4	15
85	Evaluation of biocompatibility and immunogenicity of micro/nanofiber materials based on tilapia skin collagen. <i>Journal of Biomaterials Applications</i> , 2019 , 33, 1118-1127	2.9	15
84	Fabrication of Multilayered Nanofiber Scaffolds with a Highly Aligned Nanofiber Yarn for Anisotropic Tissue Regeneration. <i>ACS Omega</i> , 2020 , 5, 24340-24350	3.9	15
83	Fabrication of scaffold based on gelatin and polycaprolactone (PCL) for wound dressing application. <i>Journal of Drug Delivery Science and Technology</i> , 2021 , 63, 102501	4.5	15
82	Covalent grafting of PEG and heparin improves biological performance of electrospun vascular grafts for carotid artery replacement. <i>Acta Biomaterialia</i> , 2021 , 119, 211-224	10.8	15
81	Diameter control of electrospun chitosan-collagen fibers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2009 , 47, 1949-1955	2.6	14
80	An atorvastatin calcium and poly(L-lactide-co-caprolactone) core-shell nanofiber-covered stent to treat aneurysms and promote reendothelialization. <i>Acta Biomaterialia</i> , 2020 , 111, 102-117	10.8	14
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