Xiu-Mei Mo

List of Publications by Year
in descending order

223 papers	10,438 citations	26630 56 h-index	54911 84 g-index
225 all docs	225 docs citations	225 times ranked	11081 citing authors

#	Article	IF	Citations
1	Advances in electrospun scaffolds for meniscus tissue engineering and regeneration. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2022, 110, 923-949.	3.4	10
2	Converging 3D Printing and Electrospinning: Effect of Poly(<scp>l</scp>â€lactide)/Gelatin Based Short Nanofibers Aerogels on Tracheal Regeneration. Macromolecular Bioscience, 2022, 22, e2100342.	4.1	14
3	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.	5.0	22
4	Transcutaneous tumor vaccination combined with anti-programmed death-1 monoclonal antibody treatment produces a synergistic antitumor effect. Acta Biomaterialia, 2022, 140, 247-260.	8.3	25
5	Vascular Endothelial Growth Factor-Capturing Aligned Electrospun Polycaprolactone/Gelatin Nanofibers Promote Patellar Ligament Regeneration. Acta Biomaterialia, 2022, 140, 233-246.	8.3	41
6	Metronidazole Topically Immobilized Electrospun Nanofibrous Scaffold: Novel Secondary Intention Wound Healing Accelerator. Polymers, 2022, 14, 454.	4.5	32
7	Chondroitin sulfate cross-linked three-dimensional tailored electrospun scaffolds for cartilage regeneration. Materials Science and Engineering C, 2022, 134, 112643.	7.3	15
8	Delivery of mRNA vaccines and anti-PDL1 siRNA through non-invasive transcutaneous route effectively inhibits tumor growth. Composites Part B: Engineering, 2022, 233, 109648.	12.0	17
9	Prodrug inspired biâ€layered electrospun membrane with properties of enhanced tissue integration for guided tissue regeneration. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2022, , .	3.4	1
10	Recent Progress and Potential Biomedical Applications of Electrospun Nanofibers in Regeneration of Tissues and Organs. Polymers, 2022, 14, 1508.	4.5	17
11	Astragalus and human mesenchymal stem cells promote wound healing by mediating immunomodulatory effects through paracrine signaling. Regenerative Medicine, 2022, 17, 219-232.	1.7	7
12	Incorporation of magnesium oxide nanoparticles into electrospun membranes improves pro-angiogenic activity and promotes diabetic wound healing. Materials Science and Engineering C, 2022, 133, 112609.	7.3	25
13	Review of the Recent Advances in Electrospun Nanofibers Applications in Water Purification. Polymers, 2022, 14, 1594.	4.5	33
14	Photothermal-Triggered Structural Change of Nanofiber Scaffold Integrating with Graded Mineralization to Promote Tendonâ€“Bone Healing. Advanced Fiber Materials, 2022, 4, 908-922.	16.1	11
15	Electrospun biodegradable nanofibers loaded with epigallocatechin gallate for guided bone regeneration. Composites Part B: Engineering, 2022, 238, 109920.	12.0	17
16	Recent Advancements on Three-Dimensional Electrospun Nanofiber Scaffolds for Tissue Engineering. Advanced Fiber Materials, 2022, 4, 959-986.	16.1	63
17	Composite Superelastic Aerogel Scaffolds Containing Flexible SiO₂ Nanofibers Promote Bone Regeneration. Advanced Healthcare Materials, 2022, 11, .	7.6	17
18	Synergistic effect of glucagon-like peptide-1 analogue liraglutide and ZnO on the antibacterial, hemostatic, and wound healing properties of nanofibrous dressings. Journal of Bioscience and Bioengineering, 2022, 134, 248-258.	2.2	10

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19	Binary ethosomes-based transdermal patches assisted by metal microneedles significantly improve the bioavailability of carvedilol. Journal of Drug Delivery Science and Technology, 2022, 74, 103498.	3.0	3
20	A photocrosslinking antibacterial decellularized matrix hydrogel with nanofiber for cutaneous wound healing. Colloids and Surfaces B: Biointerfaces, 2022, 217, 112691.	5.0	9
21	Macroporous 3D Scaffold with Self-Fitting Capability for Effectively Repairing Massive Rotator Cuff Tear. ACS Biomaterials Science and Engineering, 2021, 7, 904-915.	5.2	4
22	Harnessing electrospun nanofibers to recapitulate hierarchical fibrous structures of meniscus. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2021, 109, 201-213.	3.4	23
23	Chondroitin sulfate modified 3D porous electrospun nanofiber scaffolds promote cartilage regeneration. Materials Science and Engineering C, 2021, 118, 111312.	7.3	40
24	A 3D-Bioprinted dual growth factor-releasing intervertebral disc scaffold induces nucleus pulposus and annulus fibrosus reconstruction. Bioactive Materials, 2021, 6, 179-190.	15.6	57
25	Electrodeposition of calcium phosphate onto polyethylene terephthalate artificial ligament enhances graft-bone integration after anterior cruciate ligament reconstruction. Bioactive Materials, 2021, 6, 783-793.	15.6	28
26	Covalent grafting of PEG and heparin improves biological performance of electrospun vascular grafts for carotid artery replacement. Acta Biomaterialia, 2021, 119, 211-224.	8.3	54
27	Electrospinning for healthcare: recent advancements. Journal of Materials Chemistry B, 2021, 9, 939-951.	5.8	81
28	Tenogenic adipose-derived stem cell sheets with nanoyarn scaffolds for tendon regeneration. Materials Science and Engineering C, 2021, 119, 111506.	7.3	25
29	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.	5.8	78
30	Electrospinning: An emerging technology to construct polymer-based nanofibrous scaffolds for diabetic wound healing. Frontiers of Materials Science, 2021, 15, 10-35.	2.2	12
31	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.	5.0	26
32	Nanofiber Configuration of Electrospun Scaffolds Dictating Cell Behaviors and Cell-scaffold Interactions. Chemical Research in Chinese Universities, 2021, 37, 456-463.	2.6	4
33	Green Electrospun Silk Fibroin Nanofibers Loaded with Cationic Ethosomes for Transdermal Drug Delivery. Chemical Research in Chinese Universities, 2021, 37, 488-495.	2.6	7
34	Electrospun fibrous sponge via short fiber for mimicking 3D ECM. Journal of Nanobiotechnology, 2021, 19, 131.	9.1	43
35	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.	5.0	41
36	A woven scaffold with continuous mineral gradients for tendon-to-bone tissue engineering. Composites Part B: Engineering, 2021, 212, 108679.	12.0	31

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37	Fabrication of scaffold based on gelatin and polycaprolactone (PCL) for wound dressing application. Journal of Drug Delivery Science and Technology, 2021, 63, 102501.	3.0	41
38	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.	7.0	17
39	Conjugate Electrospun 3D Gelatin Nanofiber Sponge for Rapid Hemostasis. Advanced Healthcare Materials, 2021, 10, e2100918.	7.6	79
40	Evaluation of a novel tilapia-skin acellular dermis matrix rationally processed for enhanced wound healing. Materials Science and Engineering C, 2021, 127, 112202.	7.3	26
41	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.	5.0	10
42	Multifunctional bioactive core-shell electrospun membrane capable to terminate inflammatory cycle and promote angiogenesis in diabetic wound. Bioactive Materials, 2021, 6, 2783-2800.	15.6	71
43	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-Î²1 on host integration. Biomaterials, 2021, 276, 120999.	11.4	16
44	Nanofiber configuration affects biological performance of decellularized meniscus extracellular matrix incorporated electrospun scaffolds. Biomedical Materials (Bristol), 2021, 16, 065013.	3.3	11
45	Three-dimensional porous gas-foamed electrospun nanofiber scaffold for cartilage regeneration. Journal of Colloid and Interface Science, 2021, 603, 94-109.	9.4	41
46	A multifunctional green antibacterial rapid hemostasis composite wound dressing for wound healing. Biomaterials Science, 2021, 9, 7124-7133.	5.4	24
47	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.	5.8	39
48	Biocompatibility, hemostatic properties, and wound healing evaluation of tilapia skin collagen sponges. Journal of Bioactive and Compatible Polymers, 2021, 36, 44-58.	2.1	9
49	Diethyldithiocarbamate/silk fibroin/polyethylene oxide nanofibrous for cancer therapy: Fabrication, characterization and in vitro evaluation. International Journal of Biological Macromolecules, 2021, 193, 293-299.	7.5	13
50	Reactive Oxygen Species-Based Biomaterials for Regenerative Medicine and Tissue Engineering Applications. Frontiers in Bioengineering and Biotechnology, 2021, 9, 821288.	4.1	37
51	3D printing electrospinning fiber-reinforced decellularized extracellular matrix for cartilage regeneration. Chemical Engineering Journal, 2020, 382, 122986.	12.7	121
52	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.	7.5	93
53	Moist-Retaining, Self-Recoverable, Bioadhesive, and Transparent in Situ Forming Hydrogels To Accelerate Wound Healing. ACS Applied Materials & Interfaces, 2020, 12, 2023-2038.	8.0	110
54	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.	5.0	40

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55	Fabrication of Multilayered Nanofiber Scaffolds with a Highly Aligned Nanofiber Yarn for Anisotropic Tissue Regeneration. ACS Omega, 2020, 5, 24340-24350.	3.5	24
56	Mechanically-reinforced 3D scaffold constructed by silk nonwoven fabric and silk fibroin sponge. Colloids and Surfaces B: Biointerfaces, 2020, 196, 111361.	5.0	14
57	Biomimetic and hierarchical nerve conduits from multifunctional nanofibers for guided peripheral nerve regeneration. Acta Biomaterialia, 2020, 117, 180-191.	8.3	50
58	A bi-layered tubular scaffold for effective anti-coagulant in vascular tissue engineering. Materials and Design, 2020, 194, 108943.	7.0	20
59	Galactosylated chitosan-modified ethosomes combined with silk fibroin nanofibers is useful in transcutaneous immunization. Journal of Controlled Release, 2020, 327, 88-99.	9.9	28
60	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.	4.1	8
61	Construction and performance evaluation of Hep/silk-PLCL composite nanofiber small-caliber artificial blood vessel graft. Biomaterials, 2020, 259, 120288.	11.4	51
62	Reduced Graphene Oxideâ€Encapsulated Microfiber Patterns Enable Controllable Formation of Neuronalâ€Like Networks. Advanced Materials, 2020, 32, e2004555.	21.0	49
63	Electrospinning nanofiber scaffolds for soft and hard tissue regeneration. Journal of Materials Science and Technology, 2020, 59, 243-261.	10.7	135
64	Polyvinyl Alcohol/Hydroxyethylcellulose Containing Ethosomes as a Scaffold for Transdermal Drug Delivery Applications. Applied Biochemistry and Biotechnology, 2020, 191, 1624-1637.	2.9	18
65	Advanced fabrication for electrospun three-dimensional nanofiber aerogels and scaffolds. Bioactive Materials, 2020, 5, 963-979.	15.6	121
66	A novel knitted scaffold made of microfiber/nanofiber coreâ€"sheath yarns for tendon tissue engineering. Biomaterials Science, 2020, 8, 4413-4425.	5.4	43
67	Moving Electrospun Nanofibers and Bioprinted Scaffolds toward Translational Applications. Advanced Healthcare Materials, 2020, 9, e1901761.	7.6	33
68	Injectable double-crosslinked hydrogels with kartogenin-conjugated polyurethane nano-particles and transforming growth factor Î²3 for in-situ cartilage regeneration. Materials Science and Engineering C, 2020, 110, 110705.	7.3	39
69	A biodegradable multifunctional nanofibrous membrane for periodontal tissue regeneration. Acta Biomaterialia, 2020, 108, 207-222.	8.3	96
70	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.	8.3	20
71	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.	13.8	39
72	Photothermal Welding, Melting, and Patterned Expansion of Nonwoven Mats of Polymer Nanofibers for Biomedical and Printing Applications. Angewandte Chemie, 2019, 131, 16568-16573.	2.0	8

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73	Physico-Chemical and Biological Evaluation of PLCL/SF Nanofibers Loaded with Oregano Essential Oil. Pharmaceutics, 2019, 11, 386.	4.5	35
74	Evaluation of a simple off-the-shelf bi-layered vascular scaffold based on poly(L-lactide-co-Îµ-caprolactone)/silk fibroin in vitro and in vivo . International Journal of Nanomedicine, 2019, Volume 14, 4261-4276.	6.7	37
75	Polyethylenimine and sodium cholate-modified ethosomes complex as multidrug carriers for theÂtreatment of melanoma through transdermal delivery. Nanomedicine, 2019, 14, 2395-2408.	3.3	26
76	<i>Helicobacter pylori</i> Ribosomal Protein-A2 Peptide/Silk Fibroin Nanofibrous Composites as Potential Wound Dressing. Journal of Biomedical Nanotechnology, 2019, 15, 507-517.	1.1	23
77	Evaluation of biocompatibility and immunogenicity of micro/nanofiber materials based on tilapia skin collagen. Journal of Biomaterials Applications, 2019, 33, 1118-1127.	2.4	26
78	Three-dimensional printed electrospun fiber-based scaffold for cartilage regeneration. Materials and Design, 2019, 179, 107886.	7.0	89
79	Electrospun Nanofibers for Tissue Engineering with Drug Loading and Release. Pharmaceutics, 2019, 11, 182.	4.5	151
80	Silk fibroin/poly(Lâ€‘lactic acidâ€‘coâ€‘Îµâ€‘caprolactone) electrospun nanofibrous scaffolds exert a protective effect following myocardial infarction. Experimental and Therapeutic Medicine, 2019, 17, 3989-3998.	1.8	6
81	Enhancement of Schwann Cells Function Using Graphene-Oxide-Modified Nanofiber Scaffolds for Peripheral Nerve Regeneration. ACS Biomaterials Science and Engineering, 2019, 5, 2444-2456.	5.2	54
82	3D printing of biomimetic vasculature for tissue regeneration. Materials Horizons, 2019, 6, 1197-1206.	12.2	88
83	Leptin-Induced Angiogenesis of EA.Hy926 Endothelial Cells via the Akt and Wnt Signaling Pathways In Vitro and In Vivo. Frontiers in Pharmacology, 2019, 10, 1275.	3.5	15
84	Polypyrrole-coated poly(l-lactic acid-co-Îµ-caprolactone)/silk fibroin nanofibrous nerve guidance conduit induced nerve regeneration in rat. Materials Science and Engineering C, 2019, 94, 190-199.	7.3	73
85	Facile preparation of a controlled-release tubular scaffold for blood vessel implantation. Journal of Colloid and Interface Science, 2019, 539, 351-360.	9.4	28
86	Molecularly engineered metal-based bioactive soft materials â€“ Neuroactive magnesium ion/polymer hybrids. Acta Biomaterialia, 2019, 85, 310-319.	8.3	32
87	A general strategy of 3D printing thermosets for diverse applications. Materials Horizons, 2019, 6, 394-404.	12.2	89
88	In vitro and in vivo studies of electroactive reduced graphene oxide-modified nanofiber scaffolds for peripheral nerve regeneration. Acta Biomaterialia, 2019, 84, 98-113.	8.3	174
89	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.	5.2	25
90	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.	9.4	106

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91	Coaxial electrospinning of P(LLAâ€CL)/heparin biodegradable polymer nanofibers: potential vascular graft for substitution of femoral artery. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2019, 107, 471-478.	3.4	17
92	Intra-articular injection of kartogenin-conjugated polyurethane nanoparticles attenuates the progression of osteoarthritis. Drug Delivery, 2018, 25, 1004-1012.	5.7	55
93	Cirsium Japonicum DC ingredients-loaded silk fibroin nanofibrous matrices with excellent hemostatic activity. Biomedical Physics and Engineering Express, 2018, 4, 025035.	1.2	5
94	Restoring tracheal defects in a rabbit model with tissue engineered patches based on TGF-Î²3-encapsulating electrospun poly(l-lactic acid-co-Îµ-caprolactone)/collagen scaffolds. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 985-995.	2.8	6
95	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.	8.0	43
96	Evaluation of hydrogels for soft tissue adhesives in vitro and in vivo analyses. Frontiers of Materials Science, 2018, 12, 95-104.	2.2	8
97	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.	5.8	62
98	A Method to Control Curcumin Release from <scp>PELA</scp> Fibers by Heat Treatment. Advances in Polymer Technology, 2018, 37, 647-653.	1.7	6
99	Synthesis and characterization of incorporating mussel mimetic moieties into photoactive hydrogel adhesive. Colloids and Surfaces B: Biointerfaces, 2018, 161, 94-102.	5.0	16
100	The fabrication of 3D surface scaffold of collagen/poly (Lâ€lactideâ€coâ€caprolactone) with dynamic liquid system and its application in urinary incontinence treatment as a tissue engineered subâ€urethral sling: In vitro and in vivo study. Neurourology and Urodynamics, 2018, 37, 978-985.	1.5	10
101	Fabrication and characterization of TGF-Î²1-loaded electrospun poly (lactic-co-glycolic acid) core-sheath sutures. Colloids and Surfaces B: Biointerfaces, 2018, 161, 331-338.	5.0	28
102	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.	7.3	87
103	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.	3.6	7
104	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.	14.9	2
105	Rosuvastatin- and Heparin-Loaded Poly(<scp>l</scp>-lactide-<i>co</i>-caprolactone) Nanofiber Aneurysm Stent Promotes Endothelialization via Vascular Endothelial Growth Factor Type A Modulation. ACS Applied Materials & Interfaces, 2018, 10, 41012-41018.	8.0	23
106	Macroporous nanofibrous vascular scaffold with improved biodegradability and smooth muscle cells infiltration prepared by dual phase separation technique. International Journal of Nanomedicine, 2018, Volume 13, 7003-7018.	6.7	27
107	Electrospun polypyrrole-coated polycaprolactone nanoyarn nerve guidance conduits for nerve tissue engineering. Frontiers of Materials Science, 2018, 12, 438-446.	2.2	34
108	A Single Integrated 3Dâ€Printing Process Customizes Elastic and Sustainable Triboelectric Nanogenerators for Wearable Electronics. Advanced Functional Materials, 2018, 28, 1805108.	14.9	126

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109	Design and Fabrication of a Biomimetic Vascular Scaffold Promoting in Situ Endothelialization and Tunica Media Regeneration. ACS Applied Bio Materials, 2018, 1, 833-844.	4.6	23
110	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.	8.0	42
111	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.	7.3	79
112	A novel electrospun-aligned nanoyarn/three-dimensional porous nanofibrous hybrid scaffold for annulus fibrosus tissue engineering. International Journal of Nanomedicine, 2018, Volume 13, 1553-1567.	6.7	42
113	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.	5.0	121
114	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, Volume 13, 3481-3492.	6.7	57
115	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.	3.3	60
116	Modified alginate and gelatin cross-linked hydrogels for soft tissue adhesive. Artificial Cells, Nanomedicine and Biotechnology, 2017, 45, 76-83.	2.8	65
117	Coaxial electrospinning multicomponent functional controlled-release vascular graft: Optimization of graft properties. Colloids and Surfaces B: Biointerfaces, 2017, 152, 432-439.	5.0	37
118	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.	12.7	77
119	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, 303-312.	1.1	17
120	An interpenetrating network-strengthened and toughened hydrogel that supports cell-based nucleus pulposus regeneration. Biomaterials, 2017, 136, 12-28.	11.4	93
121	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.	7.3	48
122	Application of a bilayer tubular scaffold based on electrospun poly(<scp>l</scp>-lactide-co-caprolactone)/collagen fibers and yarns for tracheal tissue engineering. Journal of Materials Chemistry B, 2017, 5, 139-150.	5.8	38
123	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.	0.6	6
124	Laminin-coated nerve guidance conduits based on poly(<scp>l</scp>-lactide-co-glycolide) fibers and yarns for promoting Schwann cellsâ€™ proliferation and migration. Journal of Materials Chemistry B, 2017, 5, 3186-3194.	5.8	50
125	Stem cell homing-based tissue engineering using bioactive materials. Frontiers of Materials Science, 2017, 11, 93-105.	2.2	21
126	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.	2.2	17

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127	Injectable photo crosslinked enhanced double-network hydrogels from modified sodium alginate and gelatin. International Journal of Biological Macromolecules, 2017, 96, 569-577.	7.5	91
128	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.	5.0	35
129	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.	8.3	201
130	Mechanical enhancement and <i>in vitro</i> biocompatibility of nanofibrous collagen-chitosan scaffolds for tissue engineering. Journal of Biomaterials Science, Polymer Edition, 2017, 28, 2255-2270.	3.5	16
131	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.	3.3	77
132	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.	2.2	30
133	Development of Nanofiber Sponges-Containing Nerve Guidance Conduit for Peripheral Nerve Regeneration in Vivo. ACS Applied Materials & Interfaces, 2017, 9, 26684-26696.	8.0	77
134	Heparin and rosuvastatin calcium-loaded poly(<scp>l</scp>-lactide-co-caprolactone) nanofiber-covered stent-grafts for aneurysm treatment. New Journal of Chemistry, 2017, 41, 9014-9023.	2.8	15
135	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.	2.4	18
136	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.	2.4	29
137	Evaluation of the potential of rhTGF- Î²3 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.	7.3	53
138	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, Volume 12, 3495-3507.	6.7	81
139	The Effect of Plasma Treated PLGA/MWCNTs-COOH Composite Nanofibers on Nerve Cell Behavior. Polymers, 2017, 9, 713.	4.5	30
140	A Controlled Release Codelivery System of MSCs Encapsulated in Dextran/Gelatin Hydrogel with TGF-<i>Î²</i>3-Loaded Nanoparticles for Nucleus Pulposus Regeneration. Stem Cells International, 2016, 2016, 1-14.	2.5	31
141	Polymerizing Pyrrole Coated Poly (l-lactic acid-co-Îµ-caprolactone) (PLCL) Conductive Nanofibrous Conduit Combined with Electric Stimulation for Long-Range Peripheral Nerve Regeneration. Frontiers in Molecular Neuroscience, 2016, 9, 117.	2.9	83
142	Natural Non-Mulberry Silk Nanoparticles for Potential-Controlled Drug Release. International Journal of Molecular Sciences, 2016, 17, 2012.	4.1	17
143	The use of SHP-2 gene transduced bone marrow mesenchymal stem cells to promote osteogenic differentiation and bone defect repair in rat. Journal of Biomedical Materials Research - Part A, 2016, 104, 1871-1881.	4.0	12
144	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.	5.0	19

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145	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.	5.0	34
146	A facile approach for the fabrication of nano-attapulgite/poly(vinyl pyrrolidone)/biopolymers coreâ€“sheath ultrafine fibrous mats for drug controlled release. RSC Advances, 2016, 6, 49817-49823.	3.6	12
147	Polypyrrole-coated poly(<scp>l</scp>-lactic acid-co-Îµ-caprolactone)/silk fibroin nanofibrous membranes promoting neural cell proliferation and differentiation with electrical stimulation. Journal of Materials Chemistry B, 2016, 4, 6670-6679.	5.8	94
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