Wenguo Cui

List of Publications by Year
in descending order

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289	15,430	15504 65	29157 104
papers	citations	h-index	g-index

309	309	309	14310
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photocrosslinkable Gelatin Hydrogel for Epidermal Tissue Engineering. Advanced Healthcare Materials, 2016, 5, 108-118.	7.6	595
2	Vascularized 3D printed scaffolds for promoting bone regeneration. Biomaterials, 2019, 190-191, 97-110.	11.4	345
3	Electrospun Fibrous Mats with High Porosity as Potential Scaffolds for Skin Tissue Engineering. Biomacromolecules, 2008, 9, 1795-1801.	5.4	343
4	Investigation of Drug Release and Matrix Degradation of Electrospun Poly(dl-lactide) Fibers with Paracetanol Inoculation. Biomacromolecules, 2006, 7, 1623-1629.	5.4	318
5	Injectable Stem Cellâ€Laden Photocrosslinkable Microspheres Fabricated Using Microfluidics for Rapid Generation of Osteogenic Tissue Constructs. Advanced Functional Materials, 2016, 26, 2809-2819.	14.9	309
6	Investigation on process parameters of electrospinning system through orthogonal experimental design. Journal of Applied Polymer Science, 2007, 103, 3105-3112.	2.6	282
7	An injectable self-healing coordinative hydrogel with antibacterial and angiogenic properties for diabetic skin wound repair. NPG Asia Materials, 2019, 11, .	7.9	260
8	Reduced Risk of Colorectal Cancer With Metformin Therapy in Patients With Type 2 Diabetes. Diabetes Care, 2011, 34, 2323-2328.	8.6	255
9	Cell infiltrative hydrogel fibrous scaffolds for accelerated wound healing. Acta Biomaterialia, 2017, 49, 66-77.	8.3	244
10	Advanced Collagenâ€Based Biomaterials for Regenerative Biomedicine. Advanced Functional Materials, 2019, 29, 1804943.	14.9	219
11	Injectable Polypeptideâ€Protein Hydrogels for Promoting Infected Wound Healing. Advanced Functional Materials, 2020, 30, 2001196.	14.9	186
12	Hierarchical micro/nanofibrous membranes of sustained releasing VEGF for periosteal regeneration. Biomaterials, 2020, 227, 119555.	11.4	185
13	Pharmaceutical electrospinning and 3D printing scaffold design for bone regeneration. Advanced Drug Delivery Reviews, 2021, 174, 504-534.	13.7	163
14	Hydroxyapatite nucleation and growth mechanism on electrospun fibers functionalized with different chemical groups and their combinations. Biomaterials, 2010, 31, 4620-4629.	11.4	155
15	Electrospun Photocrosslinkable Hydrogel Fibrous Scaffolds for Rapid In Vivo Vascularized Skin Flap Regeneration. Advanced Functional Materials, 2017, 27, 1604617.	14.9	154
16	Selfâ€Healing and Injectable Hydrogel for Matching Skin Flap Regeneration. Advanced Science, 2019, 6, 1801555.	11.2	140
17	Tendon healing and anti-adhesion properties of electrospun fibrous membranes containing bFGF loaded nanoparticles. Biomaterials, 2013, 34, 4690-4701.	11.4	139
18	Biomimetic Design of Mussel-Derived Bioactive Peptides for Dual-Functionalization of Titanium-Based Biomaterials. Journal of the American Chemical Society, 2016, 138, 15078-15086.	13.7	139

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19	Capturing Magnesium Ions via Microfluidic Hydrogel Microspheres for Promoting Cancellous Bone Regeneration. ACS Nano, 2021, 15, 13041-13054.	14.6	133
20	Melatonin reverses H₂O₂â€induced premature senescence in mesenchymal stem cells via the <scp>SIRT</scp>1â€dependent pathway. Journal of Pineal Research, 2015, 59, 190-205.	7.4	127
21	Advanced liposome-loaded scaffolds for therapeutic and tissue engineering applications. Biomaterials, 2020, 232, 119706.	11.4	127
22	Microenvironment-responsive immunoregulatory electrospun fibers for promoting nerve function recovery. Nature Communications, 2020, 11, 4504.	12.8	127
23	Inorganic Strengthened Hydrogel Membrane as Regenerative Periosteum. ACS Applied Materials & Interfaces, 2017, 9, 41168-41180.	8.0	126
24	Evaluation of electrospun fibrous scaffolds of poly(dl-lactide) and poly(ethylene glycol) for skin tissue engineering. Materials Science and Engineering C, 2009, 29, 1869-1876.	7.3	122
25	Long-term drug release from electrospun fibers for in vivo inflammation prevention in the prevention of peritendinous adhesions. Acta Biomaterialia, 2013, 9, 7381-7388.	8.3	122
26	Surface biofunctional drug-loaded electrospun fibrous scaffolds for comprehensive repairing hypertrophic scars. Biomaterials, 2016, 83, 169-181.	11.4	122
27	Biomimetic injectable hydrogel microspheres with enhanced lubrication and controllable drug release for the treatment of osteoarthritis. Bioactive Materials, 2021, 6, 3596-3607.	15.6	122
28	Dynamic Introduction of Cell Adhesive Factor via Reversible Multicovalent Phenylboronic Acid/cis-Diol Polymeric Complexes. Journal of the American Chemical Society, 2014, 136, 6203-6206.	13.7	120
29	Bioinspired Hydrogel Electrospun Fibers for Spinal Cord Regeneration. Advanced Functional Materials, 2019, 29, 1806899.	14.9	118
30	Injectable Microfluidic Hydrogel Microspheres for Cell and Drug Delivery. Advanced Functional Materials, 2021, 31, 2103339.	14.9	117
31	Advances in biomaterials for preventing tissue adhesion. Journal of Controlled Release, 2017, 261, 318-336.	9.9	115
32	Gelatin Templated Polypeptide Coâ€Crossâ€Linked Hydrogel for Bone Regeneration. Advanced Healthcare Materials, 2020, 9, e1901239.	7.6	112
33	Upregulating Hifâ€1Î± by Hydrogel Nanofibrous Scaffolds for Rapidly Recruiting Angiogenesis Relative Cells in Diabetic Wound. Advanced Healthcare Materials, 2016, 5, 907-918.	7.6	110
34	Biologically modified nanoparticles as theranostic bionanomaterials. Progress in Materials Science, 2021, 118, 100768.	32.8	108
35	Prevention of Peritendinous Adhesions with Electrospun Ibuprofen-Loaded Poly(<scp>l</scp>-Lactic) Tj ETQq1 1 0.784314 rgBT /Over	3.1	106
36	Functional Electrospun Fibers for Local Therapy of Cancer. Advanced Fiber Materials, 2020, 2, 229-245.	16.1	105

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37	Biological augmentation of rotator cuff repair using bFGF-loaded electrospun poly(lactide-co-glycolide) fibrous membranes. International Journal of Nanomedicine, 2014, 9, 2373.	6.7	104
38	Flexible bipolar nanofibrous membranes for improving gradient microstructure in tendon-to-bone healing. Acta Biomaterialia, 2017, 61, 204-216.	8.3	104
39	Metal Speciesâ€"Encapsulated Mesoporous Silica Nanoparticles: Current Advancements and Latest Breakthroughs. Advanced Functional Materials, 2019, 29, 1902652.	14.9	104
40	Bone remodeling-inspired dual delivery electrospun nanofibers for promoting bone regeneration. Nanoscale, 2019, 11, 60-71.	5.6	103
41	bFGF-grafted electrospun fibrous scaffolds via poly(dopamine) for skin wound healing. Journal of Materials Chemistry B, 2014, 2, 3636-3645.	5.8	102
42	Modulation of Local Overactive Inflammation via Injectable Hydrogel Microspheres. Nano Letters, 2021, 21, 2690-2698.	9.1	101
43	Development of a biomimetic liver tumor-on-a-chip model based on decellularized liver matrix for toxicity testing. Lab on A Chip, 2018, 18, 3379-3392.	6.0	99
44	Optimization of intrinsic and extrinsic tendon healing through controllable water-soluble mitomycin-C release from electrospun fibers by mediating adhesion-related gene expression. Biomaterials, 2015, 61, 61-74.	11.4	95
45	Down-regulating ERK1/2 and SMAD2/3 phosphorylation by physical barrier of celecoxib-loaded electrospun fibrous membranes prevents tendon adhesions. Biomaterials, 2014, 35, 9920-9929.	11.4	94
46	Microfluidic liposomes-anchored microgels as extended delivery platform for treatment of osteoarthritis. Chemical Engineering Journal, 2020, 400, 126004.	12.7	94
47	Preparation and Characterization of a Novel Electrospun Spider Silk Fibroin/Poly(<scp>d</scp>,<scp>l</scp>-lactide) Composite Fiber. Journal of Physical Chemistry B, 2008, 112, 11209-11216.	2.6	91
48	Colonâ€Targeted Adhesive Hydrogel Microsphere for Regulation of Gut Immunity and Flora. Advanced Science, 2021, 8, e2101619.	11.2	91
49	Quickly promoting angiogenesis by using a DFO-loaded photo-crosslinked gelatin hydrogel for diabetic skin regeneration. Journal of Materials Chemistry B, 2016, 4, 3770-3781.	5.8	90
50	Injectable hydrogel microspheres with self-renewable hydration layers alleviate osteoarthritis. Science Advances, 2022, 8, eabl6449.	10.3	90
51	Electrospun Composite Mats of Poly[(<scp>D,L</scp>â€lactide)â€coâ€glycolide] and Collagen with High Porosity as Potential Scaffolds for Skin Tissue Engineering. Macromolecular Materials and Engineering, 2009, 294, 611-619.	3.6	86
52	Preparation of hydrophilic poly(l-lactide) electrospun fibrous scaffolds modified with chitosan for enhanced cell biocompatibility. Polymer, 2012, 53, 2298-2305.	3.8	85
53	Photothermal-responsive nanosized hybrid polymersome as versatile therapeutics codelivery nanovehicle for effective tumor suppression. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7744-7749.	7.1	85
54	Immunopolarization-regulated 3D printed-electrospun fibrous scaffolds for bone regeneration. Biomaterials, 2021, 276, 121037.	11.4	85

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55	Biomimetic Sheath Membrane via Electrospinning for Antiadhesion of Repaired Tendon. Biomacromolecules, 2012, 13, 3611-3619.	5.4	83
56	Gradient bimetallic ionâ€“based hydrogels for tissue microstructure reconstruction of tendon-to-bone insertion. Science Advances, 2021, 7, .	10.3	83
57	Advanced electrospun hydrogel fibers for wound healing. Composites Part B: Engineering, 2021, 223, 109101.	12.0	81
58	Euryale Ferox Seedâ€Inspired Superlubricated Nanoparticles for Treatment of Osteoarthritis. Advanced Functional Materials, 2019, 29, 1807559.	14.9	80
59	Tumorâ€Triggered Controlled Drug Release from Electrospun Fibers Using Inorganic Caps for Inhibiting Cancer Relapse. Small, 2015, 11, 4284-4291.	10.0	79
60	ECM-inspired micro/nanofibers for modulating cell function and tissue generation. Science Advances, 2020, 6, .	10.3	78
61	Microenvironmentâ€Protected Exosomeâ€Hydrogel for Facilitating Endometrial Regeneration, Fertility Restoration, and Live Birth of Offspring. Small, 2021, 17, e2007235.	10.0	78
62	Mechanically enhanced lipo-hydrogel with controlled release of multi-type drugs for bone regeneration. Applied Materials Today, 2018, 12, 294-308.	4.3	77
63	Cartilage matrix-inspired biomimetic superlubricated nanospheres for treatment of osteoarthritis. Biomaterials, 2020, 242, 119931.	11.4	77
64	Endogenous Electricâ€Fieldâ€Coupled Electrospun Short Fiber via Collecting Wound Exudation. Advanced Materials, 2022, 34, e2108325.	21.0	75
65	Hierarchical Structure of Electrospun Composite Fibers for Longâ€Term Controlled Drug Release Carriers. Advanced Healthcare Materials, 2012, 1, 809-814.	7.6	73
66	Ballâ€Bearingâ€Inspired Polyampholyteâ€Modified Microspheres as Bioâ€Lubricants Attenuate Osteoarthritis. Small, 2020, 16, e2004519.	10.0	73
67	Stem cell-laden injectable hydrogel microspheres for cancellous bone regeneration. Chemical Engineering Journal, 2020, 393, 124715.	12.7	71
68	Doxorubicin-loaded mesoporous silica nanoparticle composite nanofibers for long-term adjustments of tumor apoptosis. Nanotechnology, 2016, 27, 245101.	2.6	70
69	Lotus seedpod-inspired internal vascularized 3D printed scaffold for bone tissue repair. Bioactive Materials, 2021, 6, 1639-1652.	15.6	70
70	In situ growth of hydroxyapatite within electrospun poly(DL-lactide) fibers. Journal of Biomedical Materials Research - Part A, 2007, 82A, 831-841.	4.0	68
71	Advanced Biomaterials for Regulating Polarization of Macrophages in Wound Healing. Advanced Functional Materials, 2022, 32, .	14.9	68
72	Advanced biomaterials for repairing and reconstruction of mandibular defects. Materials Science and Engineering C, 2019, 103, 109858.	7.3	67

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73	Geneâ€Hydrogel Microenvironment Regulates Extracellular Matrix Metabolism Balance in Nucleus Pulposus. Advanced Science, 2020, 7, 1902099.	11.2	67
74	Biomimetic organic-inorganic hybrid hydrogel electrospinning periosteum for accelerating bone regeneration. Materials Science and Engineering C, 2020, 110, 110670.	7.3	67
75	Engineering immunomodulatory and osteoinductive implant surfaces via mussel adhesion-mediated ion coordination and molecular clicking. Nature Communications, 2022, 13, 160.	12.8	66
76	Electrospun fibers of acid-labile biodegradable polymers with acetal groups as potential drug carriers. International Journal of Pharmaceutics, 2008, 361, 47-55.	5.2	65
77	Programmed Sustained Release of Recombinant Human Bone Morphogenetic Protein-2 and Inorganic Ion Composite Hydrogel as Artificial Periosteum. ACS Applied Materials & Interfaces, 2020, 12, 6840-6851.	8.0	64
78	Hydration-Enhanced Lubricating Electrospun Nanofibrous Membranes Prevent Tissue Adhesion. Research, 2020, 2020, 4907185.	5.7	64
79	Microâ€Nanometer Rough Structure of a Superhydrophobic Biodegradable Coating by Electrospraying for Initial Antiâ€Bioadhesion. Advanced Healthcare Materials, 2013, 2, 1314-1321.	7.6	63
80	Enhanced Osteogenesis of Bone Marrowâ€Derived Mesenchymal Stem Cells by a Functionalized Silk Fibroin Hydrogel for Bone Defect Repair. Advanced Healthcare Materials, 2019, 8, e1801043.	7.6	63
81	Photo-crosslinkable amniotic membrane hydrogel for skin defect healing. Acta Biomaterialia, 2021, 125, 197-207.	8.3	63
82	Chargeâ€Guided Micro/Nanoâ€Hydrogel Microsphere for Penetrating Cartilage Matrix. Advanced Functional Materials, 2021, 31, 2107678.	14.9	63
83	Antibacterial and anti-adhesion effects of the silver nanoparticles-loaded poly(l-lactide) fibrous membrane. Materials Science and Engineering C, 2013, 33, 1176-1182.	7.3	62
84	The current status of biodegradable stent to treat benign luminal disease. Materials Today, 2017, 20, 516-529.	14.2	62
85	Use of ginsenoside Rg3-loaded electrospun PLGA fibrous membranes as wound cover induces healing and inhibits hypertrophic scar formation of the skin. Colloids and Surfaces B: Biointerfaces, 2014, 115, 61-70.	5.0	61
86	Adhesive liposomes loaded onto an injectable, self-healing and antibacterial hydrogel for promoting bone reconstruction. NPG Asia Materials, 2019, 11, .	7.9	61
87	Self-coated interfacial layer at organic/inorganic phase for temporally controlling dual-drug delivery from electrospun fibers. Colloids and Surfaces B: Biointerfaces, 2015, 130, 1-9.	5.0	60
88	Electrospun nanosilicates-based organic/inorganic nanofibers for potential bone tissue engineering. Colloids and Surfaces B: Biointerfaces, 2018, 172, 90-97.	5.0	60
89	Black phosphorus-based 2D materials for bone therapy. Bioactive Materials, 2020, 5, 1026-1043.	15.6	60
90	Fabrication of Antibacterial and Antiwear Hydroxyapatite Coatings via In Situ Chitosan-Mediated Pulse Electrochemical Deposition. ACS Applied Materials & Interfaces, 2017, 9, 5023-5030.	8.0	59

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91	Release modulation and cytotoxicity of hydroxycamptothecin-loaded electrospun fibers with 2-hydroxypropyl-Î²-cyclodextrin inoculations. International Journal of Pharmaceutics, 2010, 391, 55-64.	5.2	58
92	A highly flexible paclitaxel-loaded poly(Îµ-caprolactone) electrospun fibrous-membrane-covered stent for benign cardia stricture. Acta Biomaterialia, 2013, 9, 8328-8336.	8.3	58
93	Bioinspired Hyaluronic Acid/Phosphorylcholine Polymer with Enhanced Lubrication and Anti-Inflammation. Biomacromolecules, 2019, 20, 4135-4142.	5.4	58
94	Injectable â€œnano-micronâ€•combined gene-hydrogel microspheres for local treatment of osteoarthritis. NPG Asia Materials, 2022, 14, .	7.9	58
95	Bioinspired Functional Black Phosphorus Electrospun Fibers Achieving Recruitment and Biomineralization for Staged Bone Regeneration. Small, 2020, 16, e2005433.	10.0	57
96	In Situ Growth Kinetics of Hydroxyapatite on Electrospun Poly(<scp>dl</scp>-lactide) Fibers with Gelatin Grafted. Crystal Growth and Design, 2008, 8, 4576-4582.	3.0	56
97	Biodegradable electrospun PLLA/chitosan membrane as guided tissue regeneration membrane for treating periodontitis. Journal of Materials Science, 2013, 48, 6567-6577.	3.7	55
98	Electrospun fibrous membranes featuring sustained release of ibuprofen reduce adhesion and improve neurological function following lumbar laminectomy. Journal of Controlled Release, 2017, 264, 1-13.	9.9	55
99	Biomedical application of photo-crosslinked gelatin hydrogels. Journal of Leather Science and Engineering, 2021, 3, .	6.0	54
100	Biomaterial-based delivery of nucleic acids for tissue regeneration. Advanced Drug Delivery Reviews, 2021, 176, 113885.	13.7	53
101	An orthobiologics-free strategy for synergistic photocatalytic antibacterial and osseointegration. Biomaterials, 2021, 274, 120853.	11.4	52
102	Saccharides and temperature dual-responsive hydrogel layers for harvesting cell sheets. Chemical Communications, 2015, 51, 644-647.	4.1	51
103	An electrospun fiber-covered stent with programmable dual drug release for endothelialization acceleration and lumen stenosis prevention. Acta Biomaterialia, 2019, 94, 295-305.	8.3	50
104	Controllable growth of hydroxyapatite on electrospun poly(dl-lactide) fibers grafted with chitosan as potential tissue engineering scaffolds. Polymer, 2010, 51, 2320-2328.	3.8	49
105	Hierarchical Micro/Nanofibrous Bioscaffolds for Structural Tissue Regeneration. Advanced Healthcare Materials, 2017, 6, 1601457.	7.6	49
106	Fullerol-hydrogel microfluidic spheres for in situ redox regulation of stem cell fate and refractory bone healing. Bioactive Materials, 2021, 6, 4801-4815.	15.6	49
107	Stem Cellâ€Recruiting Injectable Microgels for Repairing Osteoarthritis. Advanced Functional Materials, 2021, 31, 2105084.	14.9	48
108	Openâ€Shell Nanosensitizers for Glutathione Responsive Cancer Sonodynamic Therapy. Advanced Materials, 2022, 34, e2110283.	21.0	48

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109	Ibuprofen-loaded electrospun fibrous scaffold doped with sodium bicarbonate for responsively inhibiting inflammation and promoting muscle wound healing in vivo. Biomaterials Science, 2014, 2, 502-511.	5.4	46
110	Release of celecoxib from a bi-layer biomimetic tendon sheath to prevent tissue adhesion. Materials Science and Engineering C, 2016, 61, 220-226.	7.3	46
111	A Biomimetic 3Dâ€Selfâ€Forming Approach for Microvascular Scaffolds. Advanced Science, 2020, 7, 1903553.	11.2	46
112	Culturing on decellularized extracellular matrix enhances antioxidant properties of human umbilical cord-derived mesenchymal stem cells. Materials Science and Engineering C, 2016, 61, 437-448.	7.3	45
113	Tissue-specific engineering: 3D bioprinting in regenerative medicine. Journal of Controlled Release, 2021, 329, 237-256.	9.9	45
114	Tumor cell-activated CARD9 signaling contributes to metastasis-associated macrophage polarization. Cell Death and Differentiation, 2014, 21, 1290-1302.	11.2	44
115	Cell Membrane-Inspired Polymeric Vesicles for Combined Photothermal and Photodynamic Prostate Cancer Therapy. ACS Applied Materials & Interfaces, 2020, 12, 42511-42520.	8.0	43
116	Conditioned medium-electrospun fiber biomaterials for skin regeneration. Bioactive Materials, 2021, 6, 361-374.	15.6	43
117	Electrospun fibrous sponge via short fiber for mimicking 3D ECM. Journal of Nanobiotechnology, 2021, 19, 131.	9.1	43
118	Secretory Fluidâ€Aggregated Janus Electrospun Short Fiber Scaffold for Wound Healing. Small, 2022, 18, e2200799.	10.0	43
119	Biomaterials based strategies for rotator cuff repair. Colloids and Surfaces B: Biointerfaces, 2017, 157, 407-416.	5.0	42
120	Adjustable hardness of hydrogel for promoting vascularization and maintaining stemness of stem cells in skin flap regeneration. Applied Materials Today, 2018, 13, 54-63.	4.3	42
121	In situ inflammatory-regulated drug-loaded hydrogels for promoting pelvic floor repair. Journal of Controlled Release, 2020, 322, 375-389.	9.9	42
122	Bacteria-specific phototoxic reactions triggered by blue light and phytochemical carvacrol. Science Translational Medicine, 2021, 13, .	12.4	42
123	Programmable immune activating electrospun fibers for skin regeneration. Bioactive Materials, 2021, 6, 3218-3230.	15.6	42
124	Electrospun Poly(L-Lactide) Fiber with Ginsenoside Rg3 for Inhibiting Scar Hyperplasia of Skin. PLoS ONE, 2013, 8, e68771.	2.5	41
125	Metabolism Balance Regulation via Antagonistâ€Functionalized Injectable Microsphere for Nucleus Pulposus Regeneration. Advanced Functional Materials, 2020, 30, 2006333.	14.9	40
126	Flexible Osteogenic Glue as an Allâ€Inâ€One Solution to Assist Fracture Fixation and Healing. Advanced Functional Materials, 2021, 31, 2102465.	14.9	40

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127	Electrospun nanofibrous scaffolds of poly (l-lactic acid)-dicalcium silicate composite via ultrasonic-aging technique for bone regeneration. Materials Science and Engineering C, 2014, 35, 426-433.	7.3	39
128	Gene Silencing via PDA/ERK2â€siRNAâ€Mediated Electrospun Fibers for Peritendinous Antiadhesion. Advanced Science, 2019, 6, 1801217.	11.2	39
129	Host Defense Peptide Mimicking Peptide Polymer Exerting Fast, Broad Spectrum, and Potent Activities toward Clinically Isolated Multidrug-Resistant Bacteria. ACS Infectious Diseases, 2020, 6, 479-488.	3.8	39
130	Inhaled ACE2-engineered microfluidic microsphere for intratracheal neutralization of COVID-19 and calming of the cytokine storm. Matter, 2022, 5, 336-362.	10.0	39
131	Microfluidic Encapsulation of Prickly Zincâ€Doped Copper Oxide Nanoparticles with VD1142 Modified Spermine Acetalated Dextran for Efficient Cancer Therapy. Advanced Healthcare Materials, 2017, 6, 1601406.	7.6	38
132	Mussel-Inspired Peptide Coatings on Titanium Implant to Improve Osseointegration in Osteoporotic Condition. ACS Biomaterials Science and Engineering, 2018, 4, 2505-2515.	5.2	38
133	Endovascular Metal Devices for the Treatment of Cerebrovascular Diseases. Advanced Materials, 2019, 31, e1805452.	21.0	38
134	Peritumoral Microgel Reservoir for Longâ€Term Lightâ€Controlled Tripleâ€Synergistic Treatment of Osteosarcoma with Single Ultraâ€Low Dose. Small, 2021, 17, e2100479.	10.0	38
135	ECM Decorated Electrospun Nanofiber for Improving Bone Tissue Regeneration. Polymers, 2018, 10, 272.	4.5	37
136	Local release of gemcitabine viain situUV-crosslinked lipid-strengthened hydrogel for inhibiting osteosarcoma. Drug Delivery, 2018, 25, 1642-1651.	5.7	37
137	Adhesive nanoparticles with inflammation regulation for promoting skin flap regeneration. Journal of Controlled Release, 2019, 297, 91-101.	9.9	37
138	Healing improvement after rotator cuff repair using gelatin-grafted poly(L-lactide) electrospun fibrous membranes. Journal of Surgical Research, 2015, 193, 33-42.	1.6	36
139	Capturing dynamic biological signals via bio-mimicking hydrogel for precise remodeling of soft tissue. Bioactive Materials, 2021, 6, 4506-4516.	15.6	36
140	Localized Controlled Delivery of Gemcitabine via Microsol Electrospun Fibers to Prevent Pancreatic Cancer Recurrence. Advanced Healthcare Materials, 2018, 7, e1800593.	7.6	35
141	Advanced microfluidic devices for fabricating multiâ€structural hydrogel microsphere. Exploration, 2021, 1, .	11.0	35
142	In vivo inhibition of hypertrophic scars by implantable ginsenoside-Rg3-loaded electrospun fibrous membranes. Acta Biomaterialia, 2013, 9, 9461-9473.	8.3	34
143	Extracellular matrix modulates the biological effects of melatonin in mesenchymal stem cells. Journal of Endocrinology, 2014, 223, 167-180.	2.6	34
144	Full-course inhibition of biodegradation-induced inflammation inÂfibrous scaffold by loading enzyme-sensitive prodrug. Biomaterials, 2015, 53, 202-210.	11.4	34

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145	Responsive drug-delivery microcarriers based on the silk fibroin inverse opal scaffolds for controllable drug release. Applied Materials Today, 2020, 19, 100540.	4.3	34
146	Silver Nanoparticles/Ibuprofen-Loaded Poly(l-lactide) Fibrous Membrane: Anti-Infection and Anti-Adhesion Effects. International Journal of Molecular Sciences, 2014, 15, 14014-14025.	4.1	33
147	Nanoparticleâ€Embedded Electrospun Fiberâ€“Covered Stent to Assist Intraluminal Photodynamic Treatment of Oesophageal Cancer. Small, 2019, 15, e1904979.	10.0	33
148	Regulation of the inflammatory cycle by a controllable release hydrogel for eliminating postoperative inflammation after discectomy. Bioactive Materials, 2021, 6, 146-157.	15.6	33
149	Macrophage infiltration of electrospun polyester fibers. Biomaterials Science, 2017, 5, 1579-1587.	5.4	32
150	Electrospun Ginsenoside Rg3/poly(lactic-co-glycolic acid) fibers coated with hyaluronic acid for repairing and inhibiting hypertrophic scars. Journal of Materials Chemistry B, 2013, 1, 4428.	5.8	31
151	An immunological electrospun scaffold for tumor cell killing and healthy tissue regeneration. Materials Horizons, 2018, 5, 1082-1091.	12.2	31
152	Biodegradable dual-crosslinked adhesive glue for fixation and promotion of osteogenesis. Chemical Engineering Journal, 2022, 427, 132000.	12.7	31
153	Transcriptome Analysis Revealed the Symbiosis Niche of 3D Scaffolds to Accelerate Bone Defect Healing. Advanced Science, 2022, 9, e2105194.	11.2	31
154	Shear-responsive boundary-lubricated hydrogels attenuate osteoarthritis. Bioactive Materials, 2022, 16, 472-484.	15.6	31
155	Evaluation of oriented electrospun fibers for periosteal flap regeneration in biomimetic triphasic osteochondral implant. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2014, 102, 1407-1414.	3.4	30
156	A hierarchical, stretchable and stiff fibrous biotemplate engineered using stagger-electrospinning for augmentation of rotator cuff tendon-healing. Journal of Materials Chemistry B, 2015, 3, 990-1000.	5.8	30
157	Synergistic mediation of tumor signaling pathways in hepatocellular carcinoma therapy via dual-drug-loaded pH-responsive electrospun fibrous scaffolds. Journal of Materials Chemistry B, 2015, 3, 3436-3446.	5.8	30
158	Cell Therapeutic Strategies for Spinal Cord Injury. Advances in Wound Care, 2019, 8, 585-605.	5.1	30
159	Biomimicry, biomineralization, and bioregeneration of bone using advanced three-dimensional fibrous hydroxyapatite scaffold. Materials Today Advances, 2019, 3, 100014.	5.2	30
160	MMPâ€2 Responsive Unidirectional Hydrogelâ€Electrospun Patch Loading TGFâ€Î²1 siRNA Polyplexes for Peritendinous Antiâ€Adhesion. Advanced Functional Materials, 2021, 31, 2008364.	14.9	30
161	Spatioâ€Design of Multidimensional Prickly Znâ€Doped CuO Nanoparticle for Efficient Bacterial Killing. Advanced Materials Interfaces, 2016, 3, 1600472.	3.7	29
162	Immunomodulated electrospun fibrous scaffolds via bFGF camouflage for pelvic regeneration. Applied Materials Today, 2019, 15, 570-581.	4.3	29

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163	Ice-Inspired Superlubricated Electrospun Nanofibrous Membrane for Preventing Tissue Adhesion. Nano Letters, 2020, 20, 6420-6428.	9.1	29
164	Thermoâ€Sensitive Dualâ€Functional Nanospheres with Enhanced Lubrication and Drug Delivery for the Treatment of Osteoarthritis. Chemistry - A European Journal, 2020, 26, 10564-10574.	3.3	29
165	Regulating Macrophage Polarization in High Glucose Microenvironment Using Lithiumâ€Modified Bioglassâ€Hydrogel for Diabetic Bone Regeneration. Advanced Healthcare Materials, 2022, 11, e2200298.	7.6	29
166	Fabrication of patterned PDLLA/PCL composite scaffold by electrospinning. Journal of Applied Polymer Science, 2013, 127, 1550-1554.	2.6	28
167	Development of a visible light, cross-linked GelMA hydrogel containing decellularized human amniotic particles as a soft tissue replacement for oral mucosa repair. RSC Advances, 2019, 9, 18344-18352.	3.6	28
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