# Wenguo Cui

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/5716563/publications.pdf

Version: 2024-02-01

| 289 | 15,430 | 17776 65 | 33145 104 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 309 | 309 | 309 | 15813 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Regulated macrophage immune microenvironment in 3D printed scaffolds for bone tumor postoperative treatment. Bioactive Materials, 2023, 19, 474-485. | 8.6 | 11 |
| 2 | Click chemistry extracellular vesicle/peptide/chemokine nanocarriers for treating central nervous system injuries. Acta Pharmaceutica Sinica B, 2023, 13, 2202-2218. | 5.7 | 17 |
| 3 | Gelatin-based composite hydrogels with biomimetic lubrication and sustained drug release. Friction, 2022, 10, 232-246. | 3.4 | 23 |
| 4 | Biodegradable dual-crosslinked adhesive glue for fixation and promotion of osteogenesis. Chemical Engineering Journal, 2022, 427, 132000. | 6.6 | 31 |
| 5 | Metformin-hydrogel with glucose responsiveness for chronic inflammatory suppression. Chemical Engineering Journal, 2022, 428, 131064. | 6.6 | 26 |
| 6 | Local bone metabolism balance regulation via double-adhesive hydrogel for fixing orthopedic implants. Bioactive Materials, 2022, 12, 169-184. | 8.6 | 8 |
| 7 | Inhaled ACE2-engineered microfluidic microsphere for intratracheal neutralization of COVID-19 and calming of the cytokine storm. Matter, 2022, 5, 336-362. | 5.0 | 39 |
| 8 | Biomaterials for microfluidic technology. Materials Futures, 2022, 1, 012401. | 3.1 | 11 |
| 9 | Engineering immunomodulatory and osteoinductive implant surfaces via mussel adhesion-mediated ion coordination and molecular clicking. Nature Communications, 2022, 13, 160. | 5.8 | 66 |
| 10 | Silencing Geneâ€Engineered Injectable Hydrogel Microsphere for Regulation of Extracellular Matrix Metabolism Balance. Small Methods, 2022, 6, e2101201. | 4.6 | 24 |
| 11 | Functional biomaterials. APL Bioengineering, 2022, 6, 010401. | 3.3 | 4 |
| 12 | Transcriptome Analysis Revealed the Symbiosis Niche of 3D Scaffolds to Accelerate Bone Defect Healing. Advanced Science, 2022, 9, e2105194. | 5.6 | 31 |
| 13 | Injectable â€œnano-microâ€•combined gene-hydrogel microspheres for local treatment of osteoarthritis. NPG Asia Materials, 2022, 14, . | 3.8 | 58 |
| 14 | Endogenous Electricâ€Fieldâ€Coupled Electrospun Short Fiber via Collecting Wound Exudation. Advanced Materials, 2022, 34, e2108325. | 11.1 | 75 |
| 15 | Regulated Exogenous/Endogenous Inflammation via â€œInnerâ€Outerâ€•Medicated Electrospun Fibers for Promoting Tissue Reconstruction. Advanced Healthcare Materials, 2022, 11, e2102534. | 3.9 | 13 |
| 16 | Bacteria-engineered porous sponge for hemostasis and vascularization. Journal of Nanobiotechnology, 2022, 20, 47. | 4.2 | 18 |
| 17 | Injectable hydrogel microspheres with self-renewable hydration layers alleviate osteoarthritis. Science Advances, 2022, 8, eabl6449. | 4.7 | 90 |
| 18 | Adhesive and Injectable Hydrogel Microspheres for Inner Ear Treatment. Small, 2022, 18, e2106591. | 5.2 | 24 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Modulated integrin signaling receptors of stem cells via ultra-soft hydrogel for promoting angiogenesis. Composites Part B: Engineering, 2022, 234, 109747. | 5.9 | 12 |
| 20 | Biological signal integrated microfluidic hydrogel microspheres for promoting bone regeneration. Chemical Engineering Journal, 2022, 436, 135176. | 6.6 | 20 |
| 21 | Honeycomb-Like Hydrogel Microspheres for 3D Bulk Construction of Tumor Models. Research, 2022, 2022, 9809763. | 2.8 | 11 |
| 22 | Endogenous Electricâ€Fieldâ€Coupled Electrospun Short Fiber via Collecting Wound Exudation (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf | 11.1 | 2 |
| 23 | Bipolar Metal Flexible Electrospun Fibrous Membrane Based on Metalâ€“Organic Framework for Gradient Healing of Tendonâ€toâ€Bone Interface Regeneration. Advanced Healthcare Materials, 2022, 11, e2200072. | 3.9 | 14 |
| 24 | Secretory Fluidâ€Aggregated Janus Electrospun Short Fiber Scaffold for Wound Healing. Small, 2022, 18, e2200799. | 5.2 | 43 |
| 25 | NSC-derived extracellular matrix-modified GelMA hydrogel fibrous scaffolds for spinal cord injury repair. NPG Asia Materials, 2022, 14, . | 3.8 | 21 |
| 26 | Openâ€Shell Nanosensitizers for Glutathione Responsive Cancer Sonodynamic Therapy. Advanced Materials, 2022, 34, e2110283. | 11.1 | 48 |
| 27 | Regulating Macrophage Polarization in High Glucose Microenvironment Using Lithiumâ€Modified Bioglassâ€Hydrogel for Diabetic Bone Regeneration. Advanced Healthcare Materials, 2022, 11, e2200298. | 3.9 | 29 |
| 28 | A Biomaterialâ€Based Hedging Immune Strategy for Scarless Tendon Healing. Advanced Materials, 2022, 34, e2200789. | 11.1 | 14 |
| 29 | Regulation of macrophage subtype via injectable micro/nano-structured porous microsphere for reprogramming osteoimmune microenvironment. Chemical Engineering Journal, 2022, 439, 135692. | 6.6 | 11 |
| 30 | Shear-responsive boundary-lubricated hydrogels attenuate osteoarthritis. Bioactive Materials, 2022, 16, 472-484. | 8.6 | 31 |
| 31 | Functional nanoparticles in electrospun fibers for biomedical applications. Nano Select, 2022, 3, 999-1011. | 1.9 | 9 |
| 32 | Advanced Biomaterials for Regulating Polarization of Macrophages in Wound Healing. Advanced Functional Materials, 2022, 32, . | 7.8 | 68 |
| 33 | Dual Biosignalâ€Functional Injectable Microspheres for Remodeling Osteogenic Microenvironment. Small, 2022, 18, e2201656. | 5.2 | 16 |
| 34 | Transporting Hydrogel via Chinese Acupuncture Needles for Lesion Positioning Therapy. Advanced Science, 2022, 9, e2200079. | 5.6 | 15 |
| 35 | Balancing Microthrombosis and Inflammation via Injectable Protein Hydrogel for Inflammatory Bowel Disease. Advanced Science, 2022, 9, e2200281. | 5.6 | 26 |
| 36 | Nanoantidote for repression of acidosis pH promoting COVIDâ€19 infection. View, 2022, 3, . | 2.7 | 5 |

| # | Article | IF | Citations |
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| 37 | Nanofat functionalized injectable super-lubricating microfluidic microspheres for treatment of osteoarthritis. Biomaterials, 2022, 285, 121545. | 5.7 | 12 |
| 38 | Programmable multicellular and spatially patterned organoids: A one-pot strategy. Matter, 2022, 5, 1633-1635. | 5.0 | 1 |
| 39 | Self-assembly of DNA nanogels with endogenous microRNA toehold self-regulating switches for targeted gene regulation therapy. Biomaterials Science, 2022, 10, 4119-4125. | 2.6 | 12 |
| 40 | Porous scaffolds with enzyme-responsive Kartogenin release for recruiting stem cells and promoting cartilage regeneration. Chemical Engineering Journal, 2022, 447, 137454. | 6.6 | 5 |
| 41 | Progress of delivery methods for CRISPR-Cas9. Expert Opinion on Drug Delivery, 2022, 19, 913-926. | 2.4 | 14 |
| 42 | Immunology and bioinformatics analysis of injectable organic/inorganic microfluidic microspheres for promoting bone repair. Biomaterials, 2022, 288, 121685. | 5.7 | 14 |
| 43 | Nutrient capsules maintain tear film homeostasis for human corneal lenticule transplantation. Chemical Engineering Journal, 2022, 450, 138078. | 6.6 | 3 |
| 44 | Charge and receptor functional injectable hydrogels as cytokine-releasing reservoirs for wound healing. Chemical Engineering Journal, 2022, 450, 137880. | 6.6 | 9 |
| 45 | Mineralized manganese dioxide channel as the stent coating for in situ precise tumor navigation. Nano Research, 2021, 14, 2145. | 5.8 | 2 |
| 46 | MMPâ€2 Responsive Unidirectional Hydrogelâ€Electrospun Patch Loading TGFâ€Î²1 siRNA Polyplexes for Peritendinous Antiâ€Adhesion. Advanced Functional Materials, 2021, 31, 2008364. | 7.8 | 30 |
| 47 | Two Sides of Electrospun Fiber in Promoting and Inhibiting Biomedical Processes. Advanced Therapeutics, 2021, 4, . | 1.6 | 14 |
| 48 | Effect of kartogenin-loaded gelatin methacryloyl hydrogel scaffold with bone marrow stimulation for enthesis healing in rotator cuff repair. Journal of Shoulder and Elbow Surgery, 2021, 30, 544-553. | 1.2 | 18 |
| 49 | Multifunctional integrally-medicalized hydrogel system with internal synergy for efficient tissue regeneration. Chemical Engineering Journal, 2021, 406, 126839. | 6.6 | 27 |
| 50 | Lotus seedpod-inspired internal vascularized 3D printed scaffold for bone tissue repair. Bioactive Materials, 2021, 6, 1639-1652. | 8.6 | 70 |
| 51 | Biologically modified nanoparticles as theranostic bionanomaterials. Progress in Materials Science, 2021, 118, 100768. | 16.0 | 108 |
| 52 | Tissue-specific engineering: 3D bioprinting in regenerative medicine. Journal of Controlled Release, 2021, 329, 237-256. | 4.8 | 45 |
| 53 | Heatâ€Shrinkable Electrospun Fibrous Tape for Restoring Structure and Function of Loose Soft Tissue. Advanced Functional Materials, 2021, 31, 2007440. | 7.8 | 17 |
| 54 | Regulation of the inflammatory cycle by a controllable release hydrogel for eliminating postoperative inflammation after discectomy. Bioactive Materials, 2021, 6, 146-157. | 8.6 | 33 |

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|---|---|---|---|
| 55 | Conditioned medium-electrospun fiber biomaterials for skin regeneration. Bioactive Materials, 2021, 6, 361-374. | 8.6 | 43 |
| 56 | Targeted micelles with chemotherapeutics and gene drugs to inhibit the G1/S and G2/M mitotic cycle of prostate cancer. Journal of Nanobiotechnology, 2021, 19, 17. | 4.2 | 26 |
| 57 | Bacteria-specific phototoxic reactions triggered by blue light and phytochemical carvacrol. Science Translational Medicine, 2021, 13, . | 5.8 | 42 |
| 58 | Electrospun Fibrous Tapes: Heatâ€Shrinkable Electrospun Fibrous Tape for Restoring Structure and Function of Loose Soft Tissue (Adv. Funct. Mater. 8/2021). Advanced Functional Materials, 2021, 31, 2170054. | 7.8 | 1 |
| 59 | Rapid Extracellular Matrix Remodeling via Geneâ€Electrospun Fibers as a â€œPatchâ€• for Tissue Regeneration. Advanced Functional Materials, 2021, 31, 2009879. | 7.8 | 25 |
| 60 | Modulation of Local Overactive Inflammation via Injectable Hydrogel Microspheres. Nano Letters, 2021, 21, 2690-2698. | 4.5 | 101 |
| 61 | Microenvironmentâ€Protected Exosomeâ€Hydrogel for Facilitating Endometrial Regeneration, Fertility Restoration, and Live Birth of Offspring. Small, 2021, 17, e2007235. | 5.2 | 78 |
| 62 | Biomedical application of photo-crosslinked gelatin hydrogels. Journal of Leather Science and Engineering, 2021, 3, . | 2.7 | 54 |
| 63 | Fertility Restoration: Microenvironmentâ€Protected Exosomeâ€Hydrogel for Facilitating Endometrial Regeneration, Fertility Restoration, and Live Birth of Offspring (Small 11/2021). Small, 2021, 17, 2170049. | 5.2 | 2 |
| 64 | Lightâ€Controlled Nanosystem with Sizeâ€Flexibility Improves Targeted Retention for Tumor Suppression. Advanced Functional Materials, 2021, 31, 2101262. | 7.8 | 21 |
| 65 | DNAâ€Grafted Hyaluronic Acid System with Enhanced Injectability and Biostability for Photoâ€Controlled Osteoarthritis Gene Therapy. Advanced Science, 2021, 8, 2004793. | 5.6 | 28 |
| 66 | Photo-crosslinkable amniotic membrane hydrogel for skin defect healing. Acta Biomaterialia, 2021, 125, 197-207. | 4.1 | 63 |
| 67 | Electrospun fibrous sponge via short fiber for mimicking 3D ECM. Journal of Nanobiotechnology, 2021, 19, 131. | 4.2 | 43 |
| 68 | Multistage signal-interactive nanoparticles improve tumor targeting through efficient nanoparticle-cell communications. Cell Reports, 2021, 35, 109131. | 2.9 | 6 |
| 69 | Injectable Microfluidic Hydrogel Microspheres for Cell and Drug Delivery. Advanced Functional Materials, 2021, 31, 2103339. | 7.8 | 117 |
| 70 | Peritumoral Microgel Reservoir for Longâ€Term Lightâ€Controlled Tripleâ€Synergistic Treatment of Osteosarcoma with Single Ultraâ€Low Dose. Small, 2021, 17, e2100479. | 5.2 | 38 |
| 71 | Gradient bimetallic ionâ€“based hydrogels for tissue microstructure reconstruction of tendon-to-bone insertion. Science Advances, 2021, 7, . | 4.7 | 83 |
| 72 | Flexible Osteogenic Glue as an Allâ€Inâ€One Solution to Assist Fracture Fixation and Healing. Advanced Functional Materials, 2021, 31, 2102465. | 7.8 | 40 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Stem Cellâ€Recruiting Injectable Microgels for Repairing Osteoarthritis. Advanced Functional Materials, 2021, 31, 2105084. | 7.8 | 48 |
| 74 | Pharmaceutical electrospinning and 3D printing scaffold design for bone regeneration. Advanced Drug Delivery Reviews, 2021, 174, 504-534. | 6.6 | 163 |
| 75 | Colonâ€Targeted Adhesive Hydrogel Microsphere for Regulation of Gut Immunity and Flora. Advanced Science, 2021, 8, e2101619. | 5.6 | 91 |
| 76 | An orthobiologics-free strategy for synergistic photocatalytic antibacterial and osseointegration. Biomaterials, 2021, 274, 120853. | 5.7 | 52 |
| 77 | Capturing Magnesium Ions via Microfluidic Hydrogel Microspheres for Promoting Cancellous Bone Regeneration. ACS Nano, 2021, 15, 13041-13054. | 7.3 | 133 |
| 78 | Microfluidic Hydrogel Microspheres: Injectable Microfluidic Hydrogel Microspheres for Cell and Drug Delivery (Adv. Funct. Mater. 31/2021). Advanced Functional Materials, 2021, 31, 2170227. | 7.8 | 25 |
| 79 | Myocardial fibrosis reversion via rhACE2-electrospun fibrous patch for ventricular remodeling prevention. Npj Regenerative Medicine, 2021, 6, 44. | 2.5 | 7 |
| 80 | A removable bio-orthogonal catalytic patch: A local â€œlandmineâ€• Matter, 2021, 4, 2601-2602. | 5.0 | 2 |
| 81 | Biomaterial-based delivery of nucleic acids for tissue regeneration. Advanced Drug Delivery Reviews, 2021, 176, 113885. | 6.6 | 53 |
| 82 | Chargeâ€Guided Micro/Nanoâ€Hydrogel Microsphere for Penetrating Cartilage Matrix. Advanced Functional Materials, 2021, 31, 2107678. | 7.8 | 63 |
| 83 | Acoustic transmitted electrospun fibrous membranes for tympanic membrane regeneration. Chemical Engineering Journal, 2021, 419, 129536. | 6.6 | 14 |
| 84 | Immunopolarization-regulated 3D printed-electrospun fibrous scaffolds for bone regeneration. Biomaterials, 2021, 276, 121037. | 5.7 | 85 |
| 85 | Programmable immune activating electrospun fibers for skin regeneration. Bioactive Materials, 2021, 6, 3218-3230. | 8.6 | 42 |
| 86 | Advanced electrospun hydrogel fibers for wound healing. Composites Part B: Engineering, 2021, 223, 109101. | 5.9 | 81 |
| 87 | Biomimetic injectable hydrogel microspheres with enhanced lubrication and controllable drug release for the treatment of osteoarthritis. Bioactive Materials, 2021, 6, 3596-3607. | 8.6 | 122 |
| 88 | Improving drug utilization platform with injectable mucoadhesive hydrogel for treating ulcerative colitis. Chemical Engineering Journal, 2021, 424, 130464. | 6.6 | 13 |
| 89 | Highly active biological dermal acellular tissue scaffold composite with human bone powder for bone regeneration. Materials and Design, 2021, 209, 109963. | 3.3 | 4 |
| 90 | Fullerol-hydrogel microfluidic spheres for in situ redox regulation of stem cell fate and refractory bone healing. Bioactive Materials, 2021, 6, 4801-4815. | 8.6 | 49 |

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|---|---|---|---|
| 91 | Mechanism of zirconia microgroove surface structure for osseointegration. Materials Today Advances, 2021, 12, 100159. | 2.5 | 9 |
| 92 | Capturing dynamic biological signals via bio-mimicking hydrogel for precise remodeling of soft tissue. Bioactive Materials, 2021, 6, 4506-4516. | 8.6 | 36 |
| 93 | Metal-organic framework (MOF)-based biomaterials in bone tissue engineering. Engineered Regeneration, 2021, 2, 105-108. | 3.0 | 24 |
| 94 | Electrospun Nanofibers for Cancer Therapy. Advances in Experimental Medicine and Biology, 2021, 1295, 163-190. | 0.8 | 10 |
| 95 | Electrospun Fibers Improving Cellular Respiration via Mitochondrial Protection. Small, 2021, 17, e2104012. | 5.2 | 25 |
| 96 | Biological homeostasis-inspired light-excited multistage nanocarriers induce dual apoptosis in tumors. Biomaterials, 2021, 279, 121194. | 5.7 | 10 |
| 97 | Stem Cellâ€Recruiting Injectable Microgels for Repairing Osteoarthritis (Adv. Funct. Mater. 48/2021). Advanced Functional Materials, 2021, 31, 2170357. | 7.8 | 8 |
| 98 | Engineered Customizable Microvessels for Progressive Vascularization in Large Regenerative Implants. Advanced Healthcare Materials, 2021, , 2101836. | 3.9 | 6 |
| 99 | Advanced microfluidic devices for fabricating multiâ€structural hydrogel microsphere. Exploration, 2021, 1, . | 5.4 | 35 |
| 100 | Hierarchical micro/nanofibrous membranes of sustained releasing VEGF for periosteal regeneration. Biomaterials, 2020, 227, 119555. | 5.7 | 185 |
| 101 | Anisotropic ridge/groove microstructure for regulating morphology and biological function of Schwann cells. Applied Materials Today, 2020, 18, 100468. | 2.3 | 19 |
| 102 | Geneâ€Hydrogel Microenvironment Regulates Extracellular Matrix Metabolism Balance in Nucleus Pulposus. Advanced Science, 2020, 7, 1902099. | 5.6 | 67 |
| 103 | Responsive drug-delivery microcarriers based on the silk fibroin inverse opal scaffolds for controllable drug release. Applied Materials Today, 2020, 19, 100540. | 2.3 | 34 |
| 104 | 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. | 1.8 | 39 |
| 105 | Advanced liposome-loaded scaffolds for therapeutic and tissue engineering applications. Biomaterials, 2020, 232, 119706. | 5.7 | 127 |
| 106 | Gelatin Templated Polypeptide Coâ€Crossâ€Linked Hydrogel for Bone Regeneration. Advanced Healthcare Materials, 2020, 9, e1901239. | 3.9 | 112 |
| 107 | Direct investigation of current transport in cells by conductive atomic force microscopy. Journal of Microscopy, 2020, 277, 49-57. | 0.8 | 6 |
| 108 | Recombination Monophosphoryl Lipid A-Derived Vacosome for the Development of Preventive Cancer Vaccines. ACS Applied Materials & Interfaces, 2020, 12, 44554-44562. | 4.0 | 17 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Postoperative placement of an antiâ€fibrotic poly Lâ€lactide electrospun fibrous membrane after sinus surgery. International Forum of Allergy and Rhinology, 2020, 10, 1285-1294. | 1.5 | 1 |
| 110 | Metabolism Balance Regulation via Antagonistâ€Functionalized Injectable Microsphere for Nucleus Pulposus Regeneration. Advanced Functional Materials, 2020, 30, 2006333. | 7.8 | 40 |
| 111 | Black phosphorus-based 2D materials for bone therapy. Bioactive Materials, 2020, 5, 1026-1043. | 8.6 | 60 |
| 112 | ECM-inspired micro/nanofibers for modulating cell function and tissue generation. Science Advances, 2020, 6, . | 4.7 | 78 |
| 113 | Bioinspired Functional Black Phosphorus Electrospun Fibers Achieving Recruitment and Biomineralization for Staged Bone Regeneration. Small, 2020, 16, e2005433. | 5.2 | 57 |
| 114 | CRISPRâ€Cas system for biomedical diagnostic platforms. View, 2020, 1, 20200008. | 2.7 | 20 |
| 115 | A â€œthree-in-oneâ€•injectable hydrogel platform with osteogenesis, angiogenesis and antibacterial for guiding bone regeneration. Applied Materials Today, 2020, 20, 100763. | 2.3 | 13 |
| 116 | Ballâ€Bearingâ€Inspired Polyampholyteâ€Modified Microspheres as Bioâ€Lubricants Attenuate Osteoarthritis. Small, 2020, 16, e2004519. | 5.2 | 73 |
| 117 | Functional Electrospun Fibers for Local Therapy of Cancer. Advanced Fiber Materials, 2020, 2, 229-245. | 7.9 | 105 |
| 118 | Cell Membrane-Inspired Polymeric Vesicles for Combined Photothermal and Photodynamic Prostate Cancer Therapy. ACS Applied Materials & Interfaces, 2020, 12, 42511-42520. | 4.0 | 43 |
| 119 | Injectable and Selfâ€Healing Hydrogel with Antiâ€Bacterial and Antiâ€Inflammatory Properties for Acute Bacterial Rhinosinusitis with Micro Invasive Treatment. Advanced Healthcare Materials, 2020, 9, e2001032. | 3.9 | 17 |
| 120 | Microenvironment-responsive immunoregulatory electrospun fibers for promoting nerve function recovery. Nature Communications, 2020, 11, 4504. | 5.8 | 127 |
| 121 | Ice-Inspired Superlubricated Electrospun Nanofibrous Membrane for Preventing Tissue Adhesion. Nano Letters, 2020, 20, 6420-6428. | 4.5 | 29 |
| 122 | Injectable Porous Microspheres: Metabolism Balance Regulation via Antagonistâ€Functionalized Injectable Microsphere for Nucleus Pulposus Regeneration (Adv. Funct. Mater. 52/2020). Advanced Functional Materials, 2020, 30, 2070348. | 7.8 | 2 |
| 123 | Efficient integration and fast excretion of drug carrier: The trojan horse for cancer therapy. Smart Materials in Medicine, 2020, 1, 148-149. | 3.7 | 1 |
| 124 | Injectable Polypeptideâ€Protein Hydrogels for Promoting Infected Wound Healing. Advanced Functional Materials, 2020, 30, 2001196. | 7.8 | 186 |
| 125 | Thermoâ€Sensitive Dualâ€Functional Nanospheres with Enhanced Lubrication and Drug Delivery for the Treatment of Osteoarthritis. Chemistry - A European Journal, 2020, 26, 10564-10574. | 1.7 | 29 |
| 126 | Microvascular Scaffolds: A Biomimetic 3Dâ€Selfâ€Forming Approach for Microvascular Scaffolds (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 T | 5.6 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Electrospun fibers: an innovative delivery method for the treatment of bone diseases. Expert Opinion on Drug Delivery, 2020, 17, 993-1005. | 2.4 | 18 |
| 128 | Nano-in-micro electronspun membrane: merging nanocarriers and microfibrous scaffold for long-term scar inhibition. Chemical Engineering Journal, 2020, 397, 125405. | 6.6 | 11 |
| 129 | Promoting coagulation and activating SMAD3 phosphorylation in wound healing via a dual-release thrombin-hydrogel. Chemical Engineering Journal, 2020, 397, 125414. | 6.6 | 11 |
| 130 | Beeswax-inspired superhydrophobic electrospun membranes for peritendinous anti-adhesion. Materials Science and Engineering C, 2020, 116, 111166. | 3.8 | 24 |
| 131 | Mechanical on-off gates for regulation of drug release in cutaneous or musculoskeletal tissue repairs. Materials Science and Engineering C, 2020, 115, 111048. | 3.8 | 3 |
| 132 | Vascularized silk electrospun fiber for promoting oral mucosa regeneration. NPG Asia Materials, 2020, 12, . | 3.8 | 17 |
| 133 | Stem cell-laden injectable hydrogel microspheres for cancellous bone regeneration. Chemical Engineering Journal, 2020, 393, 124715. | 6.6 | 71 |
| 134 | Microfluidic liposomes-anchored microgels as extended delivery platform for treatment of osteoarthritis. Chemical Engineering Journal, 2020, 400, 126004. | 6.6 | 94 |
| 135 | Cartilage matrix-inspired biomimetic superlubricated nanospheres for treatment of osteoarthritis. Biomaterials, 2020, 242, 119931. | 5.7 | 77 |
| 136 | A Biomimetic 3Dâ€Selfâ€Forming Approach for Microvascular Scaffolds. Advanced Science, 2020, 7, 1903553. | 5.6 | 46 |
| 137 | NIR-responsible and optically monitored nanoparticles release from electrospinning fibrous matrices. Materials Today Advances, 2020, 6, 100044. | 2.5 | 3 |
| 138 | Biomimetic organic-inorganic hybrid hydrogel electrospinning periosteum for accelerating bone regeneration. Materials Science and Engineering C, 2020, 110, 110670. | 3.8 | 67 |
| 139 | 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. | 4.0 | 64 |
| 140 | In situ inflammatory-regulated drug-loaded hydrogels for promoting pelvic floor repair. Journal of Controlled Release, 2020, 322, 375-389. | 4.8 | 42 |
| 141 | Editorial: Nanotechnology in Cardiovascular Regenerative Medicine. Frontiers in Bioengineering and Biotechnology, 2020, 8, 608844. | 2.0 | 5 |
| 142 | Construction of Dual-Biofunctionalized Chitosan/Collagen Scaffolds for Simultaneous Neovascularization and Nerve Regeneration. Research, 2020, 2020, 2603048. | 2.8 | 28 |
| 143 | Hydration-Enhanced Lubricating Electrospun Nanofibrous Membranes Prevent Tissue Adhesion. Research, 2020, 2020, 4907185. | 2.8 | 64 |
| 144 | Biomaterial Scaffolds for Improving Vascularization During Skin Flap Regeneration. Chinese Journal of Plastic and Reconstructive Surgery, 2020, 2, 109-119. | 0.1 | 5 |

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|---|---|---|---|
| 145 | Metal Speciesâ€“Encapsulated Mesoporous Silica Nanoparticles: Current Advancements and Latest Breakthroughs. Advanced Functional Materials, 2019, 29, 1902652. | 7.8 | 104 |
| 146 | Outerâ€“inner dual reinforced micro/nano hierarchical scaffolds for promoting osteogenesis. Nanoscale, 2019, 11, 15794-15803. | 2.8 | 5 |
| 147 | Bioinspired Hyaluronic Acid/Phosphorylcholine Polymer with Enhanced Lubrication and Anti-Inflammation. Biomacromolecules, 2019, 20, 4135-4142. | 2.6 | 58 |
| 148 | Nanoparticleâ€Embedded Electrospun Fiberâ€“Covered Stent to Assist Intraluminal Photodynamic Treatment of Oesophageal Cancer. Small, 2019, 15, e1904979. | 5.2 | 33 |
| 149 | Cell Therapeutic Strategies for Spinal Cord Injury. Advances in Wound Care, 2019, 8, 585-605. | 2.6 | 30 |
| 150 | Recent advance of erythrocyte-mimicking nanovehicles: From bench to bedside. Journal of Controlled Release, 2019, 314, 81-91. | 4.8 | 22 |
| 151 | Biomimicry, biomineralization, and bioregeneration of bone using advanced three-dimensional fibrous hydroxyapatite scaffold. Materials Today Advances, 2019, 3, 100014. | 2.5 | 30 |
| 152 | Bone remodeling-inspired dual delivery electrospun nanofibers for promoting bone regeneration. Nanoscale, 2019, 11, 60-71. | 2.8 | 103 |
| 153 | An injectable self-healing coordinative hydrogel with antibacterial and angiogenic properties for diabetic skin wound repair. NPG Asia Materials, 2019, 11, . | 3.8 | 260 |
| 154 | Adhesive nanoparticles with inflammation regulation for promoting skin flap regeneration. Journal of Controlled Release, 2019, 297, 91-101. | 4.8 | 37 |
| 155 | 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. | 1.7 | 28 |
| 156 | Advanced biomaterials for repairing and reconstruction of mandibular defects. Materials Science and Engineering C, 2019, 103, 109858. | 3.8 | 67 |
| 157 | An electrospun fiber-covered stent with programmable dual drug release for endothelialization acceleration and lumen stenosis prevention. Acta Biomaterialia, 2019, 94, 295-305. | 4.1 | 50 |
| 158 | Osteogenic and antiseptic nanocoating by in situ chitosan regulated electrochemical deposition for promoting osseointegration. Materials Science and Engineering C, 2019, 102, 415-426. | 3.8 | 22 |
| 159 | Clinical Translation of Nanomaterials. , 2019, , 75-111. | | 0 |
| 160 | Immunomodulated electrospun fibrous scaffolds via bFGF camouflage for pelvic regeneration. Applied Materials Today, 2019, 15, 570-581. | 2.3 | 29 |
| 161 | Examination of Alzheimer's disease by a combination of electrostatic force and mechanical measurement. Journal of Microscopy, 2019, 275, 66-72. | 0.8 | 4 |
| 162 | Tissue Regeneration: Bioinspired Hydrogel Electrospun Fibers for Spinal Cord Regeneration (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6 | 7.8 | 6 |

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|---|---|---|---|
| 163 | 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. | 3.3 | 85 |
| 164 | Metalâ€Based Stents: Endovascular Metal Devices for the Treatment of Cerebrovascular Diseases (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 | 11.1 | 2 |
| 165 | Selfâ€Healing: Selfâ€Healing and Injectable Hydrogel for Matching Skin Flap Regeneration (Adv. Sci. 3/2019). Advanced Science, 2019, 6, 1970019. | 5.6 | 0 |
| 166 | Self-Nanoemulsifying Electrospun Fiber Enhancing Drug Permeation. ACS Applied Materials & Interfaces, 2019, 11, 7836-7849. | 4.0 | 21 |
| 167 | Adhesive liposomes loaded onto an injectable, self-healing and antibacterial hydrogel for promoting bone reconstruction. NPG Asia Materials, 2019, 11, . | 3.8 | 61 |
| 168 | Endovascular Metal Devices for the Treatment of Cerebrovascular Diseases. Advanced Materials, 2019, 31, e1805452. | 11.1 | 38 |
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