

部分已发表用户论文（2022）

论文题目: Persistent Production of Reactive Oxygen Species with Zn₂GeO₄:Cu Nanorod-Loaded Microneedles for Methicillin-Resistant Staphylococcus Aureus Infectious Wound Healing (2022)

原文链接: <https://doi.org/10.1021/acsami.2c02503>

产品型号: **EFL-HA-150K、EFL-PVA-001**

论文题目: Photothermal Nanozyme-based Microneedle Patch against Refractory Bacterial Biofilm Infection via Iron-actuated Janus Ion Therapy (2022)

原文链接: <https://doi.org/10.1002/adma.202207961>

产品型号: **EFL-HAMA-150K**

论文题目: Regulating Macrophage Polarization in High Glucose Microenvironment Using Lithium-Modified Bioglass-Hydrogel for Diabetic Bone Regeneration (2022)

原文链接: <https://doi.org/10.1002/adhm.202200298>

产品型号: **EFL-LAP、EFL-LS-1600-405**

论文题目: Mechanically enhanced composite hydrogel scaffold for in situ bone repairs (2022)

原文链接: <http://dx.doi.org/10.1016/j.msec.2022.112700>

产品型号: **EFL-LAP**

论文题目: Congenital microtia patients: the genetically engineered exosomes released from porous gelatin methacryloyl hydrogel for downstream small RNA profiling, functional modulation of microtia chondrocytes and tissue-engineered ear cartilage regeneration (2022)

原文链接: <https://pubmed.ncbi.nlm.nih.gov/35346221/>

产品型号: **EFL-GM-30、EFL-GM-PR-002、EFL-SCR-3D 系列**

论文题目: Three-Dimensional-Cultured MSC-Derived Exosome-Hydrogel Hybrid Microneedle Array Patch for Spinal Cord Repair (2022)

原文链接: <https://doi.org/10.1021/acs.nanolett.2c02259>

产品型号: **EFL-GM-60、EFL-SCR-3D-24-2、EFL-LAP、EFL-MMN-500**

论文题目: Persistent Production of Reactive Oxygen Species with Zn₂GeO₄Cu Nanorod-Loaded Microneedles for Methicillin-Resistant Staphylococcus Aureus Infectious Wound Healing (2022)

原文链接: <https://pubs.acs.org/doi/10.1021/acsami.2c02503>

产品型号: **EFL-HA-150K、EFL-PVA-001、EFL-MMN 系列**

论文题目: 3D bioprinting of cell-laden nano-attapulgit/gelatin methacrylate composite hydrogel scaffolds for bone tissue repair (2022)

原文链接: <https://doi.org/10.1016/j.jmst.2022.07.011>

产品型号: **EFL-LAP**

论文题目: Artificial Intelligence-Assisted Bioinformatics, Microneedle, and Diabetic Wound Healing: A “New

Deal” of an Old Drug (2022)

原文链接: <https://doi.org/10.1021/acsami.2c08994>

产品型号: **EFL-AlgMA 系列、EFL-LAP、EFL-MMN-600**

论文题目: Mineralized Enzyme-Based Biomaterials with Superior Bioactivities for Bone Regeneration (2022)

原文链接: <https://doi.org/10.1021/acsami.2c05794>

产品型号: **EFL-GM-60**

论文题目: A Silk Fibroin Methacryloyl-Modified Hydrogel Promoting Cell Adhesion for Customized 3D Cell-Laden Structures (2022)

原文链接: <https://doi.org/10.1021/acsapm.2c00952>

产品型号: **EFL-SiIMA-001、EFL-LAP**

论文题目: Three-Dimensional Printing Self-Healing Dynamic/Photocrosslinking Gelatin-Hyaluronic Acid Double-Network Hydrogel for Tissue Engineering (2022)

原文链接: <https://doi.org/10.1021/acsomega.2c00335>

产品型号: **EFL-GM-60、EFL-LAP、EFL-LS-1601-405**

论文题目: Chondroitin sulfate microspheres anchored with drug-loaded liposomes play a dual antioxidant role in the treatment of osteoarthritis (2022)

原文链接: <https://doi.org/10.1016/j.actbio.2022.07.052>

产品型号: **EFL-ChSMA-001、EFL-LAP**

论文题目: Hyaluronic acid methacrylate/pancreatic extracellular matrix as a potential 3D printing bioink for constructing islet organoids (2022)

原文链接: <https://doi.org/10.1016/j.actbio.2022.06.036>

产品型号: **EFL-HAMA 系列、EFL-BP86 系列**

论文题目: Gelatin methacryloyl-alginate core-shell microcapsules as efficient delivery platforms for prevascularized microtissues in endodontic regeneration (2022)

原文链接: <https://doi.org/10.1016/j.actbio.2022.03.045>

产品型号: **EFL-GM-90、EFL-LAP、EFL-LS-1601-405**

论文题目: VH298-loaded extracellular vesicles released from gelatin methacryloyl hydrogel facilitate diabetic wound healing by HIF-1 α -mediated enhancement of angiogenesis (2022)

原文链接: <https://doi.org/10.1016/j.actbio.2022.05.018>

产品型号: **EFL-GM 系列、EFL-LAP**

论文题目: Transcriptome Analysis Revealed the Symbiosis Niche of 3D Scaffolds to Accelerate Bone Defect Healing (2022)

原文链接: <https://pubmed.ncbi.nlm.nih.gov/35040587/>

产品型号: **EFL-BP6601**

论文题目: The PCK2-glycolysis axis assists three-dimensional-stiffness maintaining stem cell osteogenesis(2022)

原文链接: <https://doi.org/10.1016/j.bioactmat.2022.03.036>

产品型号: **EFL-GM 系列**

论文题目: 3D printed biomimetic epithelium/stroma bilayer hydrogel implant for corneal regeneration (2022)

原文链接: <https://doi.org/10.1016/j.bioactmat.2022.01.034>

产品型号: **EFL-BP8600、EFL-LAP**

论文题目: Smart acoustic 3D cell construct assembly with high-resolution (2022)

原文链接: <https://iopscience.iop.org/article/10.1088/1758-5090/ac7c90>

产品型号: **EFL-GM-60**

论文题目: Analysis of the potential role of photocurable hydrogel in patient-derived glioblastoma organoid culture through RNA sequencing (2022)

原文链接: <https://doi.org/10.1039/D2BM00589A>

产品型号: **EFL-GM-60、EFL-HA-150K、EFL-GM-LS-001**

论文题目: Engineering the viscoelasticity of gelatin methacryloyl (GelMA) hydrogels via small “dynamic bridges” to regulate BMSC behaviors for osteochondral regeneration (2022)

原文链接: <https://doi.org/10.1016/j.bioactmat.2022.07.031>

产品型号: **EFL-GM-30、EFL-GM-60、EFL-GM-90**

论文题目: Epithelial Gasdermin D shapes the host-microbial interface by driving mucus layer formation (2022)

原文链接: <https://pubmed.ncbi.nlm.nih.gov/35119941/>

产品型号: **EFL-BP8600**

论文题目: Fabrication of aerogel scaffolds with adjustable macro/micro-pore structure through 3D printing and sacrificial template method for tissue engineering (2022)

原文链接: <https://doi.org/10.1016/j.matdes.2022.110662>

产品型号: **EFL-BP6602**

论文题目: Fabrication of hydrogels with adjustable mechanical properties through 3D cell-laden printing technology (2022)

原文链接: <https://doi.org/10.1016/j.colsurfa.2022.128980>

产品型号: **EFL-GM-90、EFL-LAP**

论文题目: Hyaluronic acid methacrylate/pancreatic extracellular matrix as a potential 3D printing bioink for constructing islet organoids (2022)

原文链接: <https://doi.org/10.1016/j.actbio.2022.06.036>

产品型号: **EFL-BP 系列**

论文题目: 3D-bioprinted Recombination Structure of Hertwig’s Epithelial Root Sheath Cells and Dental Papilla Cells for Alveolar Bone Regeneration (2022)

原文链接: <https://pubmed.ncbi.nlm.nih.gov/36105141/>

产品型号: EFL-GM-60

论文题目: Low-intensity pulsed ultrasound promotes cell viability and inhibits apoptosis of H9C2 cardiomyocytes in 3D bioprinting scaffolds via PI3K-Akt and ERK1/2 pathways (2022)

原文链接: <https://pubmed.ncbi.nlm.nih.gov/35574901/>

产品型号: EFL-GM 系列、EFL-LAP、EFL-LS-1601-405

论文题目: An injectable photo-cross-linking silk hydrogel system augments diabetic wound healing in orthopaedic surgery through spatiotemporal immunomodulation (2022)

原文链接: <https://doi.org/10.1186/s12951-022-01414-9>

产品型号: EFL-SilMA-001

论文题目: Super-aligned carbon nanotubes and GelMA hydrogel composite scaffolds promote spiral ganglion neuron growth and orientation (2022)

原文链接: <https://doi.org/10.1016/j.mtnano.2022.100181>

产品型号: EFL-GM-60

论文题目: Photocurable Hydrogel Substrate—Better Potential Substitute on Bone-Marrow-Derived Dendritic Cells Culturing (2022)

原文链接: <https://pubmed.ncbi.nlm.nih.gov/35591655/>

产品型号: EFL-GM-30

论文题目: Microneedle Patches Integrated with Biom mineralized Melanin Nanoparticles for Simultaneous Skin Tumor Photothermal Therapy and Wound Healing (2022)

原文链接: <https://doi.org/10.1002/adfm.202113269>

产品型号: EFL-HAMA 系列、EFL-MMN 系列

论文题目: Microtissue-Based Bioink as A Chondrocyte Micro-Shelter for DLP Bioprinting (2022)

原文链接: <https://doi.org/10.1002/adhm.202201877>

产品型号: EFL-BP8600、EFL-GM-90、EFL-LAP

论文题目: 3D Bioprinted GelMA-Nanoclay Hydrogels Induce Colorectal Cancer Stem Cells Through Activating Wnt/ β -Catenin Signaling (2022)

原文链接: <https://pubmed.ncbi.nlm.nih.gov/35229478/>

产品型号: EFL-GM-60、EFL-LAP

论文题目: Superwetttable and injectable GelMA-MSc microspheres promote cartilage repair in temporomandibular joints (2022)

原文链接: <https://www.frontiersin.org/articles/10.3389/fbioe.2022.1026911/full>

产品型号: EFL-MS-C-GM 系列

论文题目: 3D bioprinted tumor model with extracellular matrix enhanced bioinks for nanoparticle evaluation (2022)

原文链接: <https://pubmed.ncbi.nlm.nih.gov/34991080/>

产品型号: EFL-GM-LS-001

论文题目: Biomimetic cell membrane-coated glucose/oxygen-exhausting nanoreactor for remodeling tumor microenvironment in targeted hypoxic tumor therapy (2022)

原文链接: <https://doi.org/10.1016/j.biomaterials.2022.121821>

产品型号: EFL-SP101

论文题目: 3D bioprinting of in situ vascularized tissue engineered bone for repairing large segmental bone defects (2022)

原文链接: <https://doi.org/10.1016/j.mtbio.2022.100382>

产品型号: EFL-GM 系列、EFL-LAP、EFL-LS-1601-405

论文题目: 3D Bioprinting of Living Materials for Structure-Dependent Production of Hyaluronic Acid (2022)

原文链接: <https://doi.org/10.1021/acsmacrolett.2c00037>

产品型号: EFL-GEL-001、EFL-LAP、EFL-LS-1601-405

论文题目: 3D-printed mesoporous bioactive glass/GelMA biomimetic scaffolds for osteogenic/cementogenic differentiation of periodontal ligament cells (2022)

原文链接: <https://www.frontiersin.org/articles/10.3389/fbioe.2022.950970/full>

产品型号: EFL-GM 系列、EFL-LAP

论文题目: 3D Printing Mini-Capsule Device for Islet Delivery to Treat Type 1 Diabetes (2022)

原文链接: <https://doi.org/10.1021/acsam.2c02487>

产品型号: EFL-GM-100-M3、EFL-LAP

论文题目: 3D Printing of Cell-Laden Microgel-Based Biphasic Bioink with Heterogeneous Microenvironment for Biomedical Applications (2022)

原文链接: <https://doi.org/10.1002/adfm.202109810>

产品型号: EFL-GM 系列、EFL-LAP

论文题目: 3D printing of reduced glutathione grafted gelatine methacrylate hydrogel scaffold promotes diabetic bone regeneration by activating PI3K/Akt signaling pathway (2022)

原文链接: <https://doi.org/10.1016/j.ijbiomac.2022.09.236>

产品型号: EFL-GM 系列、EFL-LAP

论文题目: 3D-bioprinted peptide coupling patches for wound healing (2022)

原文链接: <https://doi.org/10.1016/j.mtbio.2021.100188>

产品型号: EFL-GM 系列、EFL-HAMA 系列

论文题目: A Cell-Free Silk Fibroin Biomaterial Strategy Promotes In Situ Cartilage Regeneration Via Programmed Releases of Bioactive Molecules (2022)

原文链接: <https://doi.org/10.1002/adhm.202201588>

产品型号: EFL-HAMA 系列、EFL-LAP

论文题目: A decellularized spinal cord extracellular matrix-gel/GelMA hydrogel three-dimensional composite

scaffold promotes recovery from spinal cord injury via synergism with human menstrual blood-derived stem cells (2022)

原文链接: <https://pubs.rsc.org/en/content/articlelanding/2022/tb/d2tb00792d>

产品型号: **EFL-GM 系列、EFL-LAP**

论文题目: A versatile embedding medium for freeform bioprinting with multi-crosslinking methods (2022)

原文链接: <https://iopscience.iop.org/article/10.1088/1758-5090/ac7909>

产品型号: **EFL-GM-90、EFL-LAP**

论文题目: An artificial LAMA2-GelMA hydrogel microenvironment for the development of pancreatic endocrine progenitors (2022)

原文链接: <https://doi.org/10.1016/j.biomaterials.2022.121882>

产品型号: **EFL-GM 系列、EFL-LAP**

论文题目: An injectable curcumin-releasing organohydrogel with non-drying property and high mechanical stability at low-temperature for expedited skin wound care (2022)

原文链接: <https://doi.org/10.1016/j.jmst.2022.06.002>

产品型号: **EFL-GM 系列**

论文题目: Biomimetic peridontium patches for functional periodontal regeneration (2022)

原文链接: <https://pubmed.ncbi.nlm.nih.gov/36398560/>

产品型号: **EFL-GM-90**

论文题目: Calcium silicate nanowires-containing multicellular bioinks for 3D bioprinting of neural-bone constructs (2022)

原文链接: <https://doi.org/10.1016/j.nantod.2022.101584>

产品型号: **EFL-LS-1601-405**

论文题目: circ_0003204 regulates the osteogenic differentiation of human adipose-derived stem cells via miR-370-3p/HDAC4 axis (2022)

原文链接: <https://pubmed.ncbi.nlm.nih.gov/35729156/>

产品型号: **EFL-GM-90**

论文题目: Construction of a decellularized spinal cord matrix/GelMA composite scaffold and its effects on neuronal differentiation of neural stem cells (2022)

原文链接: <https://doi.org/10.1080/09205063.2022.2102275>

产品型号: **EFL-GM 系列、EFL-LAP**

论文题目: Donut-like MOFs of copper/nicotinic acid and composite hydrogels with superior bioactivity for rh-bFGF delivering and skin wound healing (2022)

原文链接: <https://pubmed.ncbi.nlm.nih.gov/34503490/>

产品型号: **EFL-GM 系列**

论文题目: Epidermal growth factor-loaded microspheres/hydrogel composite for instant hemostasis and liver regeneration (2022)

原文链接: <https://doi.org/10.1016/j.smim.2022.09.006>

产品型号: **EFL-GM 系列、EFL-LAP**

论文题目: Functional gelatin hydrogel scaffold with degraded-release of glutamine to enhance cellular energy metabolism for cartilage repair (2022)

原文链接: <https://doi.org/10.1016/j.ijbiomac.2022.09.039>

产品型号: **EFL-GM 系列、EFL-LAP**

论文题目: Graded-Three-Dimensional Cell-Encapsulating Hydrogel as a Potential Biologic Scaffold for Disc Tissue Engineering (2022)

原文链接: <https://link.springer.com/article/10.1007/s13770-022-00480-2>

产品型号: **EFL-GM 系列、EFL-LAP**

论文题目: Heterogeneous spheroids with tunable interior morphologies by droplet-based microfluidics (2022)

原文链接: <https://pubmed.ncbi.nlm.nih.gov/35290971/>

产品型号: **EFL-GM 系列、EFL-LAP**

论文题目: Microtissue-Based Bioink as a Chondrocyte Microshelter for DLP Bioprinting (2022)

原文链接: <https://doi.org/10.1002/adhm.202201877>

产品型号: **EFL-BP-8600、EFL-GM 系列**

论文题目: Orchestration of energy metabolism and osteogenesis by Mg²⁺ facilitates low-dose BMP-2-driven regeneration (2022)

原文链接: <https://doi.org/10.1016/j.bioactmat.2022.03.024>

产品型号: **EFL-AIgMA 系列、EFL-GM 系列**

论文题目: Regulable Supporting Baths for Embedded Printing of Soft Biomaterials with Variable Stiffness (2022)

原文链接: <https://doi.org/10.1021/acsami.2c09221>

产品型号: **EFL-GM-90、EFL-LAP**

论文题目: Salvianolic acid B combined with bone marrow mesenchymal stem cells piggybacked on HAMA hydrogel re-transplantation improves intervertebral disc degeneration (2022)

原文链接: <https://pubmed.ncbi.nlm.nih.gov/36237221/>

产品型号: **EFL-HAMA-400K**

部分已发表用户论文 (2021)

论文题目: Platelet lysate functionalized gelatin methacrylate microspheres for improving angiogenesis in endodontic regeneration (2021)

原文链接: <https://doi.org/10.1016/j.actbio.2021.09.024>

产品型号: **EFL-GM-90**

论文题目: 3D Printing of Cell-Laden Microgel-Based Biphasic Bioink with Heterogeneous Microenvironment for Biomedical Applications (2021)

原文链接: <https://onlinelibrary.wiley.com/doi/10.1002/adfm.202109810>

产品型号: **EFL-GM-60、EFL-LAP**

论文题目: Peripheral Nerve Regeneration with 3D Printed Bionic Scaffolds Loading Neural Crest Stem Cell Derived Schwann Cell Progenitors (2021)

原文链接: <https://onlinelibrary.wiley.com/doi/10.1002/adfm.202010215>

产品型号: **EFL-BP6601**

论文题目: Mussel-inspired blue-light-activated cellulose-based adhesive hydrogel with fast gelation, rapid haemostasis and antibacterial property for wound healing (2021)

原文链接: <https://doi.org/10.1016/j.ccej.2021.129329>

产品型号: **EFL-LAP**

论文题目: HtrA3-Mediated Endothelial Cell-Extracellular Matrix Crosstalk Regulates Tip Cell Specification (2021)

原文链接: <https://onlinelibrary.wiley.com/doi/10.1002/adfm.202100633>

产品型号: **EFL-GM 系列**

论文题目: Bioprinted Constructs that Mimic the Ossification Center Microenvironment for Targeted Innervation in Bone Regeneration (2021)

原文链接: <https://onlinelibrary.wiley.com/doi/abs/10.1002/adfm.202109871>

产品型号: **EFL-GM 系列、EFL-AlgMA 系列**

论文题目: 3D bioprinting of proangiogenic constructs with induced immunomodulatory microenvironments through a dual cross-linking procedure using laponite incorporated bioink (2021)

原文链接: <https://doi.org/10.1016/j.compositesb.2021.109399>

产品型号: **EFL-GM 系列、EFL-LAP**

论文题目: 3D bioprinting modified autologous matrix-induced chondrogenesis (AMIC) technique for repair of cartilage defects (2021)

原文链接: <https://doi.org/10.1016/j.matdes.2021.109621>

产品型号: **EFL-BP-6601**

论文题目: Mussel-Inspired Conductive Hydrogel with Self-Healing, Adhesive, and Antibacterial Properties for Wearable Monitoring (2021)

原文链接: <https://doi.org/10.1021/acsapm.1c01026>

产品型号: **EFL-LAP、EFL-LS-1601-405**

论文题目: Nitric Oxide Nanomotor Driving Exosomes Loaded Microneedles for Achilles Tendinopathy Healing (2021)

原文链接: <https://doi.org/10.1021/acsnano.1c03177>

产品型号: EFL-GM-90

论文题目: Magnesium Ammonium Phosphate Composite Cell-Laden Hydrogel Promotes Osteogenesis and Angiogenesis In Vitro (2021)

原文链接: <https://doi.org/10.1021/acsomega.0c06083>

产品型号: EFL-GM 系列、EFL-LAP

论文题目: A 3D-printed PRP-GelMA hydrogel promotes osteochondral regeneration through M2 macrophage polarization in a rabbit model (2021)

原文链接: <https://doi.org/10.1016/j.actbio.2021.04.010>

产品型号: EFL-GM-90

论文题目: Targeting Endogenous Hydrogen Peroxide at Bone Defects Promotes Bone Repair (2021)

原文链接: <https://doi.org/10.1002/adfm.202111208>

产品型号: EFL-GM 系列、EFL-LAP、EFL-LA-1600-405

论文题目: Fabrication of Thermo-responsive Hydrogel Scaffolds with Engineered Microscale Vasculatures (2021)

原文链接: <https://doi.org/10.1002/adfm.202102685>

产品型号: EFL-GM 系列

论文题目: Negative pressure wound therapy improves bone regeneration by promoting osteogenic differentiation via the AMPK-ULK1-autophagy axis (2021)

原文链接: <https://doi.org/10.1080/15548627.2021.2016231>

产品型号: EFL-GM-90

论文题目: Printability during projection-based 3D bioprinting (2021)

原文链接: <https://doi.org/10.1016/j.bioactmat.2021.09.021>

产品型号: EFL-GM-100-3M、EFL-LAP

论文题目: Matrix stiffness modulates tip cell formation through the p-PXN-Rac1-YAP signaling axis (2021)

原文链接: <https://doi.org/10.1016/j.bioactmat.2021.05.033>

产品型号: EFL-GM 系列

论文题目: Natural polymer-derived photocurable bioadhesive hydrogels for sutureless keratoplasty (2021)

原文链接: <https://doi.org/10.1016/j.bioactmat.2021.07.001>

产品型号: EFL-GM-60、EFL-LAP

论文题目: 3D “honeycomb” cell/carbon nanofiber/gelatin methacryloyl (GelMA) modified screen-printed electrode for electrochemical assessment of the combined toxicity of deoxynivalenol family mycotoxins (2021)

原文链接: <https://doi.org/10.1016/j.bioelechem.2021.107743>

产品型号: EFL-BP-6601 、EFL-GM-60、EFL-LS-1601-405

论文题目: A biomimetic “intestinal microvillus” cell sensor based on 3D bioprinting for the detection of wheat

allergen gliadin (2021)

原文链接: <https://doi.org/10.1016/j.bioelechem.2021.107919>

产品型号: **EFL-BP-8600**、**EFL-GM-90**

论文题目: Mechanically reinforced injectable bioactive nanocomposite hydrogels for insitu bone regeneration (2021)

原文链接: <https://doi.org/10.1016/j.ccej.2021.132799>

产品型号: **EFL-GM 系列**

论文题目: Electrical stimulation of neonatal rat cardiomyocytes using conductive polydopamine-reduced graphene oxide-hybrid hydrogels for constructing cardiac microtissues (2021)

原文链接: <https://doi.org/10.1016/j.colsurfb.2021.111844>

产品型号: **EFL-GM-60**、**EFL-LAP**

论文题目: Potential Mechanisms of the Impact of Hepatocyte Growth Factor Gene-Modified Tendon Stem Cells on Tendon Healing (2021)

原文链接: <https://www.frontiersin.org/articles/10.3389/fcell.2021.659389/full>

产品型号: **EFL-GM-60**

论文题目: Hydrogel composite scaffolds with an attenuated immunogenicity component for bone tissue engineering applications (2021)

原文链接: <https://pubmed.ncbi.nlm.nih.gov/33587079/>

产品型号: **EFL-GM-60**

论文题目: The acoustic droplet printing of functional tumor microenvironments (2021)

原文链接: <https://pubs.rsc.org/en/content/articlelanding/2021/lc/d1lc00003a#!>

产品型号: **EFL-GM-90**、**EFL-LAP**

论文题目: hDPSC-laden GelMA microspheres fabricated using electrostatic microdroplet method for endodontic regeneration (2021)

原文链接: <https://doi.org/10.1016/j.msec.2020.111850>

产品型号: **EFL-GM-90**

论文题目: 3D-bioprinted peptide coupling patches for wound healing (2021)

原文链接: <https://doi.org/10.1016/j.mtbio.2021.100188>

产品型号: **EFL-GM 系列**、**EFL-HAMA 系列**

论文题目: Biodegradable hydrogel with thermo-response and hemostatic effect for photothermal enhanced anti-infective therapy (2021)

原文链接: <https://doi.org/10.1016/j.nantod.2021.101165>

产品型号: **EFL-GM 系列**

论文题目: Gelatin methacrylate hydrogel scaffold carrying resveratrol-loaded solid lipid nanoparticles for enhancement of osteogenic differentiation of BMSCs and effective bone regeneration (2021)

原文链接: <https://pubmed.ncbi.nlm.nih.gov/34394955/>

产品型号: **EFL-GM 系列**

论文题目: Adipose-derived mesenchymal stromal cell-derived exosomes promote tendon healing by activating both SMAD1/5/9 and SMAD2/3 (2021)

原文链接: <https://pubmed.ncbi.nlm.nih.gov/34112236/>

产品型号: **EFL-GM-60**

论文题目: Strontium ranelate promotes chondrogenesis through inhibition of the Wnt/ β -catenin pathway (2021)

原文链接: <https://pubmed.ncbi.nlm.nih.gov/34016181/>

产品型号: **EFL-GM-30、EFL-LAP**

论文题目: 3D Printed Biocatalytic Living Materials with Dual-Network Reinforced Bioinks (2021)

原文链接: <https://doi.org/10.1002/sml.202104820>

产品型号: **EFL-BP-6601**

论文题目: Photocrosslinkable Col/PCL/Mg composite membrane providing spatiotemporal maintenance and positive osteogenic effects during guided bone regeneration (2021)

原文链接: <https://doi.org/10.1016/j.bioactmat.2021.10.019>

产品型号: **EFL-TPOL**

部分已发表用户论文 (2020 前)

论文题目: Coaxial Extrusion of Tubular Tissue Constructs Using a Gelatin/GelMA Blend Bioink (2019)

原文链接: <https://pubs.acs.org/doi/10.1021/acsbiomaterials.9b00926>

产品型号: **EFL-GM-90**

论文题目: A smart hydrogel system for visual detection of glucose (2019)

原文链接: <https://doi.org/10.1016/j.bios.2019.111547>

产品型号: **EFL-GM-60**

论文题目: 3D printing of complex GelMA-based scaffolds with nanoclay (2019)

原文链接: <https://iopscience.iop.org/article/10.1088/1758-5090/ab0cf6>

产品型号: **EFL-GM-90**

论文题目: Promoting 3D neuronal differentiation in hydrogel for spinal cord regeneration (2020)

原文链接: <https://doi.org/10.1016/j.colsurfb.2020.111214>

产品型号: **EFL-GM 系列**

论文题目: Three-dimensional printed multiphasic scaffolds with stratified cell-laden gelatin methacrylate hydrogels for biomimetic tendon-to-bone interface engineering (2020)

原文链接: <https://doi.org/10.1016/j.jot.2020.01.004>

产品型号: EFL-GM 系列

论文题目: Fabrication of vascular smooth muscle-like tissues based on self-organization of circumferentially aligned cells in microengineered hydrogels (2020)

原文链接: <https://pubs.rsc.org/en/content/articlelanding/2020/lc/d0lc00544d#!>

产品型号: EFL-GM 系列

论文题目: On-chip hydrogel arrays individually encapsulating acoustic formed multicellular aggregates for high throughput drug testing (2020)

原文链接: <https://pubs.rsc.org/en/content/articlelanding/2020/lc/d0lc00255k>

产品型号: EFL-GM-60

论文题目: hDPSC-laden GelMA microspheres fabricated using electrostatic microdroplet method for endodontic regeneration (2020)

原文链接: <https://doi.org/10.1016/j.msec.2020.111850>

产品型号: EFL-GM-90

论文题目: Three-dimensional bioprinting of multicell-laden scaffolds containing bone morphogenic protein-4 for promoting M2 macrophage polarization and accelerating bone defect repair in diabetes mellitus (2020)

原文链接: <https://doi.org/10.1016/j.bioactmat.2020.08.030>

产品型号: EFL-GM-90

论文题目: Growth differentiation factor-5–gelatin methacryloyl injectable microspheres laden with adiposederived stem cells for repair of disc degeneration (2020)

原文链接: <https://pubmed.ncbi.nlm.nih.gov/33361566/>

产品型号: EFL-GM-30, EFL-LAP

论文题目: A bioartificial liver support system integrated with a DLM/GelMA-based bioengineered whole liver for prevention of hepatic encephalopathy via enhanced ammonia reduction (2020)

原文链接: <https://pubmed.ncbi.nlm.nih.gov/32307491/>

产品型号: EFL-GM 系列

论文题目: Stiffness of photocrosslinkable gelatin hydrogel influences nucleus pulposus cell properties in vitro (2020)

原文链接: <https://pubmed.ncbi.nlm.nih.gov/33289319/>

产品型号: EFL-GM 系列

论文题目: 3D printing of gelatin methacrylate-based nerve guidance conduits with multiple channels (2020)

原文链接: <https://doi.org/10.1016/j.matdes.2020.108757>

产品型号: EFL-GM-100-M5

论文题目: Template-based fabrication of spatially organized 3D bioactive constructs using magnetic low-concentration gelation methacrylate (GelMA) microfibers (2020)

原文链接: <https://pubs.rsc.org/en/content/articlelanding/2020/sm/c9sm01945f#!>

产品型号: **EFL-GM 系列、EFL-LAP**

论文题目: Tendon stem cell-derived exosomes regulate inflammation and promote the high-quality healing of injured tendon (2020)

原文链接: <https://doi.org/10.1186/s13287-020-01918-x>

产品型号: **EFL-GM-60**

论文题目: Three-dimensional bioprinting of multicell-laden scaffolds containing bone morphogenic protein-4 for promoting M2 macrophage polarization and accelerating bone defect repair in diabetes mellitus (2020)

原文链接: <https://doi.org/10.1016/j.bioactmat.2020.08.030>

产品型号: **EFL-GM-90**
