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1677	Highly Reversible Sodiation/Desodiation from a Carbon-Sandwiched SnS2 Nanosheet Anode for Sodium Ion Batteries.		
1676	Mechanically robust and bioadhesive collagen and photocrosslinkable hyaluronic acid semi-interpenetrating networks. <b>2009</b> , 15, 1645-53		148
1675	Engineered microenvironments for controlled stem cell differentiation. <b>2009</b> , 15, 205-19		370
1674	Photocrosslinking of gelatin macromers to synthesize porous hydrogels that promote valvular interstitial cell function. <b>2009</b> , 15, 3221-30		257
1673	Benchtop fabrication of PDMS microstructures by an unconventional photolithographic method. <b>2010</b> , 2, 045001		17
1672	Patterned differentiation of individual embryoid bodies in spatially organized 3D hybrid microgels. <b>2010</b> , 22, 5276-81		99
1671	Directed 3D cell alignment and elongation in microengineered hydrogels. <i>Biomaterials</i> , <b>2010</b> , 31, 6941-6	<b>9</b> 5.6	410
1670	Cell-laden microengineered pullulan methacrylate hydrogels promote cell proliferation and 3D cluster formation. <b>2011</b> , 7, 1903-1911		88
1669	(Micro)managing the mechanical microenvironment. <b>2011</b> , 3, 959-71		62
1668	Patterning hydrogels in three dimensions towards controlling cellular interactions. <b>2011</b> , 7, 830-838		139
1667	Synthesis and characterization of tunable poly(ethylene glycol): gelatin methacrylate composite hydrogels. <b>2011</b> , 17, 1713-23		225
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1658	Laser fabrication of three-dimensional CAD scaffolds from photosensitive gelatin for applications in tissue engineering. <b>2011</b> , 12, 851-8		236
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1614	Microfabrication of complex porous tissue engineering scaffolds using 3D projection stereolithography. <i>Biomaterials</i> , <b>2012</b> , 33, 3824-34	6	474
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1301	Robust Biopolymeric Supramolecular Host©uest Macromer Hydrogels Reinforced by in Situ Formed Multivalent Nanoclusters for Cartilage Regeneration. <b>2016</b> , 49, 866-875	82

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1297	Advancing the field of 3D biomaterial printing. <b>2016</b> , 11, 014102		118
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1100	Three-Dimensional Bioprinting of Oppositely Charged Hydrogels with Super Strong Interface Bonding. <b>2018</b> , 10, 11164-11174		55
1099	Tissue and Organ 3D Bioprinting. <b>2018</b> , 23, 301-314		51
1098	Bioinks for 3D bioprinting: an overview. <b>2018</b> , 6, 915-946		488
1097	Regenerative Potential of Various Soft Polymeric Scaffolds in the Temporomandibular Joint Condyle. <b>2018</b> , 76, 2019-2026		10
1096	Responsive graphene oxide hydrogel microcarriers for controllable cell capture and release. <b>2018</b> , 61, 1314-1324		45
1095	Microvasculature-on-a-chip for the long-term study of endothelial barrier dysfunction and microvascular obstruction in disease. <b>2018</b> , 2, 453-463		79
1094	Mesoporous Silica Nanoparticles-Reinforced Hydrogel Scaffold together with Pinacidil Loading to Improve Stem Cell Adhesion. <b>2018</b> , 4, 631-641		23
1093	Precisely printable and biocompatible silk fibroin bioink for digital light processing 3D printing. <b>2018</b> , 9, 1620		295
1092	Bio-resin for high resolution lithography-based biofabrication of complex cell-laden constructs. <b>2018</b> , 10, 034101		135
1091	The potential role of bioengineering and three-dimensional printing in curing global corneal blindness. <b>2018</b> , 9, 2041731418769863		28
1090	Double network hydrogel for tissue engineering. <b>2018</b> , 10, e1520		51
1089	Hydrogen bonds autonomously powered gelatin methacrylate hydrogels with super-elasticity, self-heal and underwater self-adhesion for sutureless skin and stomach surgery and E-skin. <i>Biomaterials</i> , <b>2018</b> , 171, 83-96	15.6	140
1088	Stromal cell-laden 3D hydrogel microwell arrays as tumor microenvironment model for studying stiffness dependent stromal cell-cancer interactions. <i>Biomaterials</i> , <b>2018</b> , 170, 37-48	15.6	52
1087	Sequentially-crosslinked biomimetic bioactive glass/gelatin methacryloyl composites hydrogels for bone regeneration. <b>2018</b> , 89, 119-127		37
1086	Cell-Based Microarrays. 2018,		1
1085	Multifaceted polymeric materials in three-dimensional processing (3DP) technologies: Current progress and prospects. <b>2018</b> , 29, 1586-1602		5

1084	Scaffold-free three-dimensional cell culturing using magnetic levitation. <b>2018</b> , 6, 1745-1753		42
1083	3D bioprinting mesenchymal stem cell-laden construct with core-shell nanospheres for cartilage tissue engineering. <b>2018</b> , 29, 185101		92
1082	3D printed microchannel networks to direct vascularisation during endochondral bone repair.  Biomaterials, 2018, 162, 34-46	.6	124
1081	Gellan Gum-based luminal fillers for peripheral nerve regeneration: an in vivo study in the rat sciatic nerve repair model. <b>2018</b> , 6, 1059-1075		21
1080	Optimization of cell growth on palmitoyl-hyaluronan knitted scaffolds developed for tissue engineering applications. <b>2018</b> , 106, 1488-1499		7
1079	Tunable Mechanical, Antibacterial, and Cytocompatible Hydrogels Based on a Functionalized Dual Network of Metal Coordination Bonds and Covalent Crosslinking. <b>2018</b> , 10, 6190-6198		35
1078	Photo-crosslinkable, injectable sericin hydrogel as 3D biomimetic extracellular matrix for minimally invasive repairing cartilage. <i>Biomaterials</i> , <b>2018</b> , 163, 89-104	.6	106
1077	Engineering 3D Hydrogels for Personalized In Vitro Human Tissue Models. <b>2018</b> , 7, 1701165		57
1076	Gelatin methacryloyl hydrogel for glucose biosensing using Ni nanoparticles-reduced graphene oxide: An experimental and modeling study. <b>2018</b> , 261, 275-283		28
1075	Effect of solution viscosity on retardation of cell sedimentation in DLP 3D printing of gelatin methacrylate/silk fibroin bioink. <b>2018</b> , 61, 340-347		63
1074	Patterned Microstructure Array Fabrication by Using a Novel Standing Surface Acoustic Wave Device. <b>2018</b> , 6,		5
1073	Gelatin- hydroxyapatite- calcium sulphate based biomaterial for long term sustained delivery of bone morphogenic protein-2 and zoledronic acid for increased bone formation: In-vitro and in-vivo carrier properties. <b>2018</b> , 272, 83-96		36
1072	Electrically Driven Microengineered Bioinspired Soft Robots. 2018, 30, 1704189		94
1071	From de novo peptides to native proteins: advancements in biomaterial scaffolds for acute ischemic stroke repair. <b>2018</b> , 13, 034103		13
1070	Rational design and fabrication of multiphasic soft network composites for tissue engineering articular cartilage: A numerical model-based approach. <b>2018</b> , 340, 15-23		41
1069	Engineering in-vitro stem cell-based vascularized bone models for drug screening and predictive toxicology. <b>2018</b> , 9, 112		42
1068	Rapid continuous 3D printing of customizable peripheral nerve guidance conduits. <b>2018</b> , 21, 951-959		110
1067	3D-printing porosity: A new approach to creating elevated porosity materials and structures. <b>2018</b> , 72, 94-109		50

1066	Sulfated polysaccharide mediated TGF-II presentation in pre-formed injectable scaffolds for cartilage tissue engineering. <b>2018</b> , 193, 62-72	21
1065	Interconnectable Dynamic Compression Bioreactors for Combinatorial Screening of Cell Mechanobiology in Three Dimensions. <b>2018</b> , 10, 13293-13303	25
1064	3D Bioprinting of stimuli-responsive polymers synthesised from DE-ATRP into soft tissue replicas. <b>2018</b> , 9, 37-43	3
1063	Photocrosslinkable Gelatin/Tropoelastin Hydrogel Adhesives for Peripheral Nerve Repair. <b>2018</b> , 24, 1393-140	5 <sub>51</sub>
1062	Engineering interfacial migration by collective tuning of adhesion anisotropy and stiffness. <b>2018</b> , 72, 82-93	8
1061	Electroconductive Gelatin Methacryloyl-PEDOT:PSS Composite Hydrogels: Design, Synthesis, and Properties. <b>2018</b> , 4, 1558-1567	60
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1058	Gradient nanocomposite hydrogels for interface tissue engineering. <b>2018</b> , 14, 2465-2474	55
1057	Preparation and characterization of dual-crosslinked gelatin hydrogel via Dopa-Fe3+ complexation and fenton reaction. <b>2018</b> , 58, 105-112	22
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1053	Mimicking corneal stroma using keratocyte-loaded photopolymerizable methacrylated gelatin hydrogels. <b>2018</b> , 12, e1899-e1910	48
1052	Coaxial extrusion bioprinting of 3D microfibrous constructs with cell-favorable gelatin methacryloyl microenvironments. <b>2018</b> , 10, 024102	147
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1044	A Methodology for Quantifying Cell Density and Distribution in Multidimensional Bioprinted Gelatin Alginate Constructs. <b>2018</b> , 140,	5
1043	Swimming Microrobots: Soft, Reconfigurable, and Smart. <b>2018</b> , 28, 1707228	103
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1041	The Combined Effects of Co-Culture and Substrate Mechanics on 3D Tumor Spheroid Formation within Microgels Prepared via Flow-Focusing Microfluidic Fabrication. <b>2018</b> , 10,	19
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1037	Synthesis and Properties of Gelatin Methacryloyl (GelMA) Hydrogels and Their Recent Applications in Load-Bearing Tissue. <b>2018</b> , 10,	109
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1025	Fiber-Based Mini Tissue with Morphology-Controllable GelMA Microfibers. <b>2018</b> , 14, e1802187	86
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1023	Additive Manufacturing for Guided Bone Regeneration: A Perspective for Alveolar Ridge Augmentation. <b>2018</b> , 19,	37
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1015	A Bioprinted Cardiac Patch Composed of Cardiac-Specific Extracellular Matrix and Progenitor Cells	112

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1009	Gelatin-Based Hydrogels. <b>2018</b> , 1-41	3
1008	Composite Biomaterials as Long-Lasting Scaffolds for 3D Bioprinting of Highly Aligned Muscle Tissue. <b>2018</b> , 18, e1800167	58
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1001	Fabrication of a Double-Cross-Linked Interpenetrating Polymeric Network (IPN) Hydrogel Surface Modified with Polydopamine to Modulate the Osteogenic Differentiation of Adipose-Derived Stem Cells. <b>2018</b> , 10, 24955-24962	29
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999	Injectable alendronate-functionalized GelMA hydrogels for mineralization and osteogenesis <b>2018</b> , 8, 22764-22776	18
998	Fabrication and characterization of silk microfiber-reinforced methacrylated gelatin hydrogel with turnable properties. <b>2018</b> , 29, 2068-2082	5
997	Fabrication and assembly of porous micropatterned scaffolds for modular tissue engineering. <b>2018</b> , 228, 360-364	7
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981	Microfluidics Fabrication of Soft Microtissues and Bottom-Up Assembly. <b>2018</b> , 2, 1800119	10
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961	A UV-cured nanofibrous membrane of vinylbenzylated gelatin-poly(e-caprolactone) dimethacrylate co-network by scalable free surface electrospinning. <b>2018</b> , 91, 541-555	20
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944	Drug-Loaded Elastin-Like Polypeptide-Collagen Hydrogels with High Modulus for Bone Tissue Engineering. <b>2019</b> , 19, e1900142		20
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941	Print Me An Organ! Why We Are Not There Yet. <b>2019</b> , 97, 101145		109

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940	Rapid fabrication of reinforced and cell-laden vascular grafts structurally inspired by human coronary arteries. <b>2019</b> , 10, 3098	25
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925	Multiphoton 3D Printing of Biopolymer-Based Hydrogels. <b>2019</b> , 5, 6161-6170	19
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923	Using 3-D Printing and Bioprinting Technologies for Personalized Implants. <b>2019</b> , 269-286	1

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911	Applications of Hydrogels with Special Physical Properties in Biomedicine. <b>2019</b> , 11,	27
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909	Engineered Three-Dimensional Microenvironments with Starch Nanocrystals as Cell-Instructive Materials. <b>2019</b> , 20, 3819-3830	10
908	Chitosan hydrogel micro-bio-devices with complex capillary patterns via reactive-diffusive self-assembly. <b>2019</b> , 99, 211-219	6
907	Dasatinib Promotes Chondrogenic Differentiation of Human Mesenchymal Stem Cells via the Src/Hippo-YAP Signaling Pathway. <b>2019</b> , 5, 5255-5265	4
906	Synthesis and characterization of gold/silica hybrid nanoparticles incorporated gelatin methacrylate conductive hydrogels for H9C2 cardiac cell compatibility study. <b>2019</b> , 177, 107415	31
905	Non-swelling hydrogel-based microfluidic chips. <b>2019</b> , 19, 3962-3973	14

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904	Dual Crosslinked Methacrylated Alginate Hydrogel Micron Fibers and Tissue Constructs for Cell Biology. <b>2019</b> , 17,	13
903	Migration dynamics of ovarian epithelial cells on micro-fabricated image-based models of normal and malignant stroma. <b>2019</b> , 100, 92-104	7
902	Biomolecule-Conjugated Macroporous Hydrogels for Biomedical Applications. <b>2019</b> , 5, 6320-6341	18
901	Carbon nanotube, poly(3,4-ethylenedioxythiophene):poly(styrenesulfonate) and Ag nanoparticle doped gelatin based electro-active hydrogel systems. <b>2019</b> , 580, 123751	9
900	Cell-Laden Particulate-Composite Hydrogels with Tunable Mechanical Properties Constructed with Gradient-Interface Hydrogel Particles. <b>2019</b> , 1, 2571-2576	4
899	3D Bioprinted In Vitro Metastatic Models via Reconstruction of Tumor Microenvironments. <b>2019</b> , 31, e1806899	105
898	Cell-laden interpenetrating network hydrogels formed from methacrylated gelatin and silk fibroin via a combination of sonication and photocrosslinking approaches. <b>2019</b> , 99, 57-67	30
897	Spatial Regulation of Valve Interstitial Cell Phenotypes within Three-Dimensional Micropatterned Hydrogels. <b>2019</b> , 5, 1416-1425	7
896	Effect of gelatin source and photoinitiator type on chondrocyte redifferentiation in gelatin methacryloyl-based tissue-engineered cartilage constructs. <b>2019</b> , 7, 1761-1772	56
895	Fabrication of Gelatin Methacrylate (GelMA) Scaffolds with Nano- and Micro-Topographical and Morphological Features. <b>2019</b> , 9,	46
894	A Foreign Body Response-on-a-Chip Platform. <b>2019</b> , 8, e1801425	29
893	Development and characterization of a low-cost 3D bioprinter. <b>2019</b> , 13, e00044	15
892	Electrospun and photocrosslinked gelatin/dextranthaleic anhydride composite fibers for tissue engineering. <b>2019</b> , 113, 142-147	17
891	Complex Tuning of Physical Properties of Hyperbranched Polyglycerol-Based Bioink for Microfabrication of Cell-Laden Hydrogels. <b>2019</b> , 29, 1808750	21
890	Recent advances in photo-crosslinkable hydrogels for biomedical applications. <b>2019</b> , 66, 40-53	120
889	Insight into the role of grafting density in the self-assembly of acrylic acid-grafted-collagen. <b>2019</b> , 128, 885-892	14
888	Conjoined-network rendered stiff and tough hydrogels from biogenic molecules. <b>2019</b> , 5, eaau3442	75
887	Gelatin-based micro-hydrogel carrying genetically engineered human endothelial cells for neovascularization. <b>2019</b> , 95, 285-296	22

886	CRISPR/Cas9 Edited Induced Pluripotent Stem Cell-Based Vascular Tissues to Model Aging and Disease-Dependent Impairment. <b>2019</b> , 25, 759-772	12
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884	The influence of electrically conductive and non-conductive nanocomposite scaffolds on the maturation and excitability of engineered cardiac tissues. <b>2019</b> , 7, 585-595	32
883	Translational mechanobiology: Designing synthetic hydrogel matrices for improved in vitro models and cell-based therapies. <b>2019</b> , 94, 97-111	25
882	Highly Ordered Gelatin Methacryloyl Hydrogel Foams with Tunable Pore Size. 2019, 20, 2666-2674	14
881	Fiber Density Modulates Cell Spreading in 3D Interstitial Matrix Mimetics. <b>2019</b> , 5, 2965-2975	39
880	In vitro aged, hiPSC-origin engineered heart tissue models with age-dependent functional deterioration to study myocardial infarction. <b>2019</b> , 94, 372-391	18
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876	Freeze-drying prepared ready-to-use gelatin @polypropylene nonwoven hybrid sheet for stacking 3D cell culture. <b>2019</b> , 26, 6755-6768	1
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874	Biocompatible Interface-Modified Tissue Engineering Chamber Reduces Capsular Contracture and Enlarges Regenerated Adipose Tissue. <b>2019</b> , 5, 3440-3447	1
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872	Biomaterials: Been There, Done That, and Evolving into the Future. <b>2019</b> , 21, 171-191	45
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870	Layer-by-layer ultraviolet assisted extrusion-based (UAE) bioprinting of hydrogel constructs with high aspect ratio for soft tissue engineering applications. <b>2019</b> , 14, e0216776	56
869	New Frontiers for Biofabrication and Bioreactor Design in Microphysiological System Development. <b>2019</b> , 37, 1327-1343	20

868	Cardiomyocytes. <b>2019</b> , 11, 20589-20602	39
867	Optimization of photocrosslinked gelatin/hyaluronic acid hybrid scaffold for the repair of cartilage defect. <b>2019</b> , 13, 1418-1429	30
866	Highly elastomeric photocurable silk hydrogels. <b>2019</b> , 134, 838-845	15
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861	One-Step Formation of Microporous Hydrogel Sponges Encapsulating Living Cells by Utilizing Bicontinuous Dispersion of Aqueous Polymer Solutions <b>2019</b> , 2, 2237-2245	6
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857	Microfluidics tubing as a synthesizer for ordered microgel networks. <b>2019</b> , 15, 3848-3853	4
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854	Hydrophobic and Bulk Polymerizable Protein-Based Elastomers Compatibilized with Surfactants. <b>2019</b> , 7, 9103-9111	2
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845	A Novel Biodegradable Multilayered Bioengineered Vascular Construct with a Curved Structure and Multi-Branches. <b>2019</b> , 10,		7
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842	Extrusion bioprinting of soft materials: An emerging technique for biological model fabrication. <b>2019</b> , 6, 011310		82
841	Sustainable Biomass Materials for Biomedical Applications. <b>2019</b> , 5, 2079-2092		15
840	Stimuli-responsive materials in additive manufacturing. <b>2019</b> , 93, 36-67		96
839	Biofabrication of 3D cell-encapsulated tubular constructs using dynamic optical projection stereolithography. <b>2019</b> , 30, 36		27
838	Copper-nanoparticle-embedded hydrogel for killing bacteria and promoting wound healing with photothermal therapy. <b>2019</b> , 7, 2534-2548		103
837	Vascularized Bone-Mimetic Hydrogel Constructs by 3D Bioprinting to Promote Osteogenesis and Angiogenesis. <b>2019</b> , 20,		51
836	Evaluation of sterilisation methods for bio-ink components: gelatin, gelatin methacryloyl, hyaluronic acid and hyaluronic acid methacryloyl. <b>2019</b> , 11, 035003		24
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826	Rapid 3D printing of functional nanoparticle-enhanced conduits for effective nerve repair. <b>2019</b> , 90, 49-59	70
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822	Advances of Microfluidics in Biomedical Engineering. <b>2019</b> , 4, 1800663	29
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818	Photo-crosslinked gelatin-hyaluronic acid methacrylate hydrogel-committed nucleus pulposus-like differentiation of adipose stromal cells for intervertebral disc repair. <b>2019</b> , 13, 682-693	19
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803	High-Performance Lignin-Based Water-Soluble Macromolecular Photoinitiator for the Fabrication of Hybrid Hydrogel. <b>2019</b> , 7, 4004-4011	29
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786	Current Progress in 3D Bioprinting of Tissue Analogs. <b>2019</b> , 24, 70-78	27
7 <sup>8</sup> 5	Hydrogels for Advanced Stem Cell Therapies: A Biomimetic Materials Approach for Enhancing Natural Tissue Function. <b>2019</b> , 12, 333-351	27
7 <sup>8</sup> 4	Encapsulation for delivering bioactives in aquaculture. <b>2019</b> , 11, 631-660	14
783	Novel 3D-printed methacrylated chitosan-laponite nanosilicate composite scaffolds enhance cell growth and biomineral formation in MC3T3 pre-osteoblasts. <b>2020</b> , 35, 58-75	26
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728	Recent advances in bio-orthogonal and dynamic crosslinking of biomimetic hydrogels. <b>2020</b> , 8, 7835-7855	26
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273	Microcarriers in application for cartilage tissue engineering: Recent progress and challenges <b>2022</b> , 17, 81-108	4
272	Bisulfite-initiated crosslinking of gelatin methacryloyl hydrogels for embedded 3D bioprinting <b>2022</b> ,	1
271	Engineering of Injectable Antibiotic-laden Fibrous Microparticles Gelatin Methacryloyl Hydrogel for Endodontic Infection Ablation <b>2022</b> , 23,	1
270	Coaxial 3D bioprinting of tri-polymer scaffolds to improve the osteogenic and vasculogenic potential of cells in co-culture models <b>2022</b> ,	1
269	Multiparametric Material Functionality of Microtissue-Based In Vitro Models as Alternatives to Animal Testing <b>2022</b> , e2105319	2
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265	Microwave-Assisted Synthesis of Modified Glycidyl Methacrylate-Ethyl Methacrylate Oligomers, Their Physico-Chemical and Biological Characteristics <b>2022</b> , 27,	O
264	Promotion of Adrenal Pheochromocytoma (PC-12) Cell Proliferation and Outgrowth Using Schwann Cell-Laden Gelatin Methacrylate Substrate <b>2022</b> , 8,	О
263	Towards spatially-organized organs-on-chip: Photopatterning cell-laden thiol-ene and methacryloyl hydrogels in a microfluidic device <b>2022</b> , 4, 100018-100018	4
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257	Immunomodulatory microgels support pro-regenerative macrophage activation and attenuate fibroblast collagen synthesis <b>2022</b> , e2102366	О

256	Advanced Materials and Sensors for Microphysiological Systems: Focus on Electronic and Electro-optical Interfaces <b>2021</b> , e2107876	1
255	Electrospun Methacrylated Gelatin/Poly(L-Lactic Acid) Nanofibrous Hydrogel Scaffolds for Potential Wound Dressing Application <b>2021</b> , 12,	4
254	Mechanical reinforcement of granular hydrogels <b>2022</b> , 13, 3082-3093	3
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236	Nanoparticle-Stabilized Emulsion Bioink for Digital Light Processing Based 3D Bioprinting of Porous Tissue Constructs <b>2022</b> , e2102810	1
235	A Dual-Cross-Linked Hydrogel Patch for Promoting Diabetic Wound Healing <b>2022</b> , e2106172	7
234	Biomimetic Mineralized Hydroxyapatite Nanofiber-Incorporated Methacrylated Gelatin Hydrogel with Improved Mechanical and Osteoinductive Performances for Bone Regeneration <b>2022</b> , 17, 1511-1529	1
233	Analysis of strain estimation methods in phase-sensitive compression optical coherence elastography <b>2022</b> , 13, 2224-2246	3
232	Pirfenidone Has Anti-fibrotic Effects in a Tissue-Engineered Model of Human Cardiac Fibrosis <b>2022</b> , 9, 854314	O
231	Regulating Macrophage Polarization in High Glucose Microenvironment Using Lithium-modified Bioglass-hydrogel for Diabetic Bone Regeneration <b>2022</b> , e2200298	2
230	Translational organoid technology - the convergence of chemical, mechanical, and computational biology <b>2022</b> ,	O
229	Histatin-1 loaded multifunctional, adhesive and conductive biomolecular hydrogel to treat diabetic wound <b>2022</b> ,	1
228	In vitro and in vivo assessment of a 3D printable gelatin methacrylate hydrogel for bone regeneration applications <b>2022</b> ,	1
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225	Current Understanding of the Applications of Photocrosslinked Hydrogels in Biomedical Engineering <b>2022</b> , 8,	4
224	Controlled Release of Epidermal Growth Factor from Furfuryl-Gelatin Hydrogel Using in Situ Visible Light-Induced Crosslinking and Its Effects on Fibroblasts Proliferation and Migration <b>2022</b> , 8,	2
223	Hybprinting for musculoskeletal tissue engineering <b>2022</b> , 25, 104229	O
222	Simultaneous and Efficient Removal of Oleophilic and Hydrophilic Stains from Polyurethane by the Combination of Easy-Cleaning and Self-Cleaning <b>2022</b> ,	O
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217	Bioactive hydrogel microcapsules for guiding stem cell fate decisions by release and reloading of growth factors <b>2022</b> , 15, 1-14	Ο
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215	Designing a 3D Printing Based Auxetic Cardiac Patch with hiPSC-CMs for Heart Repair <b>2021</b> , 8,	O
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213	Current hydrogel advances in physicochemical and biological response-driven biomedical application diversity <b>2021</b> , 6, 426	31
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206	GelMA Hydrogel Reinforced with 3D Printed PEGT/PBT Scaffolds for Supporting Epigenetically-Activated Human Bone Marrow Stromal Cells for Bone Repair <b>2022</b> , 13,	1
205	3D-Printable Oxygen- and Drug-Carrying Nanocomposite Hydrogels for Enhanced Cell Viability <b>2022</b> , 12,	1
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196	Preparation and characterization of biomimetic gradient multi-layer cell-laden scaffolds for osteochondral integrated repair <b>2022</b> ,	2
195	Variation in Hydrogel Formation and Network Structure for Telo-, Atelo- and Methacrylated Collagens <b>2022</b> , 14,	1
194	Porous Scaffold-Hydrogel Composites Spatially Regulate 3D Cellular Mechanosensing <b>2022</b> , 4, 884314	1
193	Recent Development of Conductive Hydrogels for Tissue Engineering: Review and Perspective <b>2022</b> , e2200051	1
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191	Modified PCL/PEG/GelMA electrospun blends reduced biofilm formation. <b>2022</b> , 320, 132315	
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187	Sulfated carboxymethylcellulose-based scaffold mediated delivery of Timp3 alleviates osteoarthritis <b>2022</b> ,	О
186	Three-dimensional electroconductive carbon nanotube-based hydrogel scaffolds enhance neural differentiation of stem cells from apical papilla. <b>2022</b> , 212868	0
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180	Suitability of Marine- and Porcine-Derived Collagen Type I Hydrogels for Bioprinting and Tissue Engineering Scaffolds. <b>2022</b> , 20, 366	3
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173	Hydrogel Development for Rotator Cuff Repair. 10,	O
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159	Enhanced intramyocardial vascular cell delivery promotes post-myocardial infarction healing by polarizing pro-regenerative neutrophils.	
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