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Hydrogels in Biology and Medicine: From Molecular Principles to Bionanotechnology

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2256	Novel Hydrogels for Rhythmic Pulsatile Drug Delivery. <b>2007</b> , 254, 338-344		20
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2254	Biodegradable dextran hydrogels for protein delivery applications. <b>2007</b> , 4, 147-64		183
2253	Physical Behavior of Cross-Linked PEG Hydrogels Photopolymerized within Nanostructured Lyotropic Liquid Crystalline Templates. <b>2007</b> , 40, 1101-1107		48
2252	Cooperativity and selectivity in chemomechanical polyethylenimine gels. <b>2007</b> , 23, 10741-5		13
2251	Bioactive proteinaceous hydrogels from designed bifunctional building blocks. <b>2007</b> , 8, 2990-4		57
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2246	Responsive thin hydrogel layers from photo-cross-linkable poly(N-isopropylacrylamide) terpolymers. <b>2007</b> , 23, 2231-8		121

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2238	Rapidly in situ forming biodegradable robust hydrogels by combining stereocomplexation and photopolymerization. <b>2007</b> , 129, 9918-26	135
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2063	Iron tris(bipyridine) PEG hydrogels with covalent and metal coordinate cross-links. 2009, 10, 128-33	19
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2061	Photo-cross-linked hydrogels from thermoresponsive PEGMEMA-PPGMA-EGDMA copolymers containing multiple methacrylate groups: mechanical property, swelling, protein release, and cytotoxicity. <b>2009</b> , 10, 2895-903	65
2060	Biopolymers in Controlled-Release Delivery Systems. <b>2009</b> , 519-557	8
2059	Water Sorption and Dye Uptake Studies of Highly Swollen AAm/AMPS Hydrogels and Semi-IPNs with PEG. <b>2009</b> , 48, 1217-1229	35
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2048	Hydrogen generating gel systems induced by visible light. <b>2009</b> , 5, 4118	34

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2046	Controlled photopolymerization of hydrogel microstructures inside microchannels for bioassays. <b>2009</b> , 9, 1301-5	40
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2041	Advanced nanogel engineering for drug delivery. <b>2009</b> , 5, 707-715	404
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2039	Stimuli-responsive hydrogel thin films. <b>2009</b> , 5, 511-524	462
2038	Hydrogel Nanocomposites in Biology and Medicine: Applications and Interactions. <b>2009</b> , 319-342	6
2037	Thermally Responsive PM(EO)2MA Magnetic Microgels via Activators Generated by Electron Transfer Atom Transfer Radical Polymerization in Miniemulsion. <b>2009</b> , 21, 3965-3972	68
2036	Controlled Drug Release from Ureasil <b>B</b> olyether Hybrid Materials. <b>2009</b> , 21, 463-467	50
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2033	Nano- and Microgels Through Addition Reactions of Functional Oligomers and Polymers. <b>2010</b> , 65-93	11
2032	Development of bone substitute materials: from BiocompatibleIto InstructiveII2010, 20, 8747	96
2031	Preparation of soft hydrogel nanoparticles with PNIPAm hair and characterization of their temperature-induced aggregation. <b>2010</b> , 26, 2076-82	23
2030	Development of macroporous poly(ethylene glycol) hydrogel arrays within microfluidic channels. <b>2010</b> , 11, 3316-24	87

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2028	DNA nanomedicine: Engineering DNA as a polymer for therapeutic and diagnostic applications. <b>2010</b> , 62, 606-16	76
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2026	Microengineering Approach for Directing Embryonic Stem Cell Differentiation. <b>2010</b> , 153-171	2
2025	Hierarchically designed agarose and poly(ethylene glycol) interpenetrating network hydrogels for cartilage tissue engineering. <b>2010</b> , 16, 1533-42	116
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2022	A novel two-level microstructured poly(N-isopropylacrylamide) hydrogel for controlled release. <b>2010</b> , 6, 3890-8	45
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1949	Diffractometric biochemical sensing with smart hydrogels. <b>2010</b> ,	4
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1947	A Variational Approach and Finite Element Implementation for Swelling of Polymeric Hydrogels Under Geometric Constraints. <b>2010</b> , 77,	73
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1942	Development of Biomedical Polymer-Silicate Nanocomposites: A Materials Science Perspective. <b>2010</b> , 3, 2986-3005	118
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1902	Regenerable DNA-functionalized hydrogels for ultrasensitive, instrument-free mercury(II) detection and removal in water. <b>2010</b> , 132, 12668-73	381
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1882	Temperature controlled encapsulation and release using partially biodegradable thermo-magneto-sensitive self-rolling tubes. <b>2010</b> , 6, 2633	129
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1880	Poroelastic swelling kinetics of thin hydrogel layers: comparison of theory and experiment. <b>2010</b> , 6, 6004	157
1879	Controlled two-photon photodegradation of PEG hydrogels to study and manipulate subcellular interactions on soft materials. <b>2010</b> , 6, 5100-5108	102
1878	Exploring polyethylene glycol/cyclodextrin hydrogels with spin probes and EPR spectroscopy. <b>2010</b> , 46, 8255-7	23
1877	Controlled cisplatin delivery from Ureasil-PEO1900 hybrid matrix. <b>2010</b> , 114, 3461-6	31
1876	Overview on Roles of Wettability and Elasticity of Soft Matters for Emerging Technologies. <b>2010</b> , 428-429, 3-11	1
1875	Kinetic study of swelling-induced surface pattern formation and ordering in hydrogel films with depth-wise crosslinking gradient. <b>2010</b> , 6, 2044	93
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1632	General Strategy for Making CO-Switchable Polymers <b>2012</b> , 1, 57-61	239
1631	A New Approach for Creating Polymer Hydrogels with Regions of Distinct Chemical, Mechanical, and Optical Properties. <b>2012</b> , 45, 5712-5717	27
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1389 1388 1387	Hydrogels locked by molecular recognition aiming at responsiveness and functionality. <b>2013</b> , 4, 1733-1745  Dual stimuli-responsive supramolecular pseudo-polyrotaxane hydrogels. <b>2013</b> , 9, 4635  Reversibly thermoswitchable two-dimensional periodic gratings prepared from tethered poly(N-isopropylacrylamide) on silicon surfaces. <b>2013</b> , 5, 2959-66	56 37 23
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1243	Smart Hydrogels. <b>2014</b> , 9-65		38
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1229	Plasmid DNA microgels for drug/gene co-delivery: A promising approach for cancer therapy. <b>2014</b> , 442, 181-190	15
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711	100th Anniversary of Macromolecular Science Viewpoint: Synthetic Protein Hydrogels. <b>2020</b> , 9, 512-524	23
710	Mechanically tough and highly stretchable poly(acrylic acid) hydrogel cross-linked by 2D graphene oxide <b>2020</b> , 10, 10949-10958	15
709	Self-healing composite hydrogel with antibacterial and reversible restorability conductive properties <b>2020</b> , 10, 5050-5057	22
708	Inclusion of Cross-Linked Elastin in Gelatin/PEG Hydrogels Favourably Influences Fibroblast Phenotype. <b>2020</b> , 12,	7
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705	Permutation of Phase Shifter Control Codes to Increase Efficiency of Antenna Array Calibration. <b>2020</b> ,	O
704	Injectable and -Formable Thiolated Chitosan-Coated Liposomal Hydrogels as Curcumin Carriers for Prevention of Breast Cancer Recurrence. <b>2020</b> , 12, 17936-17948	31
703	Materials and technical innovations in 3D printing in biomedical applications. <b>2020</b> , 8, 2930-2950	52
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700	Fabrication of Bioinspired Hydrogels: Challenges and Opportunities. <b>2020</b> , 53, 2769-2782	97
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694	Polypeptide-based self-healing hydrogels: Design and biomedical applications. <b>2020</b> , 113, 84-100	37
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692	Hydrogels and Hydrogel-Derived Materials for Energy and Water Sustainability. <b>2020</b> , 120, 7642-7707	266
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688	Tannic acid-reinforced methacrylated chitosan/methacrylated silk fibroin hydrogels with multifunctionality for accelerating wound healing. <b>2020</b> , 247, 116689	50
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682	Simultaneous hydrogel crosslinking and silver nanoparticle formation by using ionizing radiation to obtain antimicrobial hydrogels. <b>2020</b> , 169, 108777	12
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660	A Thixotropic, Cell-Infiltrative Nanocellulose Hydrogel That Promotes in Vivo Tissue Remodeling. <b>2020</b> , 6, 946-958	14
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538	Soft Materials by Design: Unconventional Polymer Networks Give Extreme Properties. <b>2021</b> , 121, 4309-4372	145
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521	Tunable random laser in flexible hydrogel. <b>2021</b> , 115, 111027	4
520	Translational Applications of Hydrogels. <b>2021</b> , 121, 11385-11457	87
519	Physico-Chemical Properties and Biocompatibility of Thermosensitive Chitosan Lactate and Chitosan Chloride Hydrogels Developed for Tissue Engineering Application. <b>2021</b> , 12,	6
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260	Contact-Free Remote Manipulation of Hydrogel Properties Using Light-Triggerable Nanoparticles: A Materials Science Perspective for Biomedical Applications <b>2022</b> , e2102088	3
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244	The effect of trisodium phosphate crosslinking on the diffusion kinetics of caffeine from chitosan networks <b>2022</b> , 381, 132272		1
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239	Hydrogels on the Base of Modified Chitosan and Hyaluronic Acid Mix as Polymer Matrices for Cytostatics Delivery <b>2022</b> , 8,		1
238	Hydroxyapatite gradient on poly (vinyl alcohol) hydrogels surface to mimic calcified cartilage zone for cartilage repair <b>2022</b> , 8853282211073854		O
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236	A long-lasting guided bone regeneration membrane from sequentially functionalised photoactive atelocollagen <b>2021</b> ,		1
235	Advanced Materials and Sensors for Microphysiological Systems: Focus on Electronic and Electro-optical Interfaces <i>Advanced Materials</i> , <b>2021</b> , e2107876	24	1
234	PEG-based cleavable hydrogel microparticles with controlled porosity for permiselective trafficking of biomolecular complexes in biosensing applications <b>2022</b> ,		O
233	Chitosan-based double cross-linked ionic hydrogels as a strain and pressure sensor with broad strain-range and high sensitivity <b>2022</b> ,		1
232	Cone cracks in tissue-mimicking hydrogels during hypodermic needle insertion: the role of water content <b>2022</b> ,		1
231	Hybrid Biomaterials in Drug Delivery and Biomedical Applications. 2022, 409-434		О
230	Polyoxazoline hydrogels fabricated by stereolithography <b>2022</b> ,		1

229	Hydrogels for Bioprinting. <b>2022</b> , 185-211	1
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223	Tough Hydrogels Based on Sacrificial Bond Principle. 1-28	
222	Self-Assembling Peptide Hydrogels as Functional Tools to Tackle Intervertebral Disc Degeneration <b>2022</b> , 8,	O
221	Light-induced synthesis and characterization of Clickable Polyacrylamide hydrogels. 2022, 167, 111062	1
220	Drug Delivery Strategies and Biomedical Significance of Hydrogels: Translational Considerations <b>2022</b> , 14,	3
219	A Glucose Biosensor Based on a Phosphorescence Lifetime Sensing and a Thermoresponsive Membrane <b>2022</b> , e2100902	1
218	Silk Fibroin-Based Therapeutics for Impaired Wound Healing <b>2022</b> , 14,	1
217	Natural Hydrogel-Based Bio-Inks for 3D Bioprinting in Tissue Engineering: A Review <b>2022</b> , 8,	16
216	Synthesis, selective decoration and photocrosslinking of self-immolative poly(thioester)-PEG hydrogels.	
215	The Promising Hydrogel Candidates for Preclinically Treating Diabetic Foot Ulcer: A Systematic Review and Meta-analysis <b>2022</b> ,	1
214	Graphene oxide-based multi-component antimicrobial hydrogels.	1
213	Fabrication of Conductive Hollow Microfibers for Encapsulation of Astrocyte Cells.	
212	Small molecule diffusion in poly-(olygo ethylene glycol methacrylate) based hydrogels studied by fluorescence correlation spectroscopy. <b>2022</b> , 244, 124628	

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210	Polymeric Organo-Hydrogels: Novel Biomaterials for Medical, Pharmaceutical, and Drug Delivery Platforms. <b>2022</b> , 9,	O
209	Anisotropy and Nanomechanics of Cellulose Nanocrystals/Polyethylene Glycol Composite Films <b>2022</b> ,	2
208	Manipulating the Self-Assembly of Multicomponent Low Molecular Weight Gelators (LMWGs) through Molecular Design <b>2022</b> , e202200026	1
207	Diffusional characteristics of food protein-based materials as nutraceutical delivery systems: A review. <b>2022</b> , 122, 201-210	O
206	Smart biomaterial platforms: Controlling and being controlled by cells <b>2022</b> , 283, 121450	4
205	Drug sustained release from degradable drug-loaded in-situ hydrogels in the posterior eye: A mechanistic model and analytical method <b>2022</b> , 136, 111052	1
204	Mapping hierarchical networks of poly(vinyl alcohol)/cellulose nanofiber composite hydrogels via viscoelastic probes <b>2022</b> , 288, 119372	4
203	General Aspects of Traumatic Neural Diseases and Requirements of Central Nervous System Implantable Biomaterials as Diagnostic and Therapeutic Tools. <b>2022</b> , 1-32	
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200	Anisotropic Hydrogels with a Multiscale Hierarchical Structure Exhibiting High Strength and Toughness for Mimicking Tendons <b>2021</b> ,	7
199	E-Beam Cross-Linking of Complex Hydrogels Formulation: The Influence of Poly(Ethylene Oxide) Concentration on the Hydrogel Properties <b>2021</b> , 8,	4
198	Grayscale Stereolithography of Gradient Hydrogel with Site-Selective Shape Deformation. 2101288	1
197	Electro-osmotic Actuators from Cellulose Nanocrystals and Nanocomposite Hydrogels. <b>2022</b> , 4, 598-606	O
196	3D bioprinting of photo-crosslinkable silk methacrylate (SilMA)-polyethylene glycol diacrylate (PEGDA) bioink for cartilage tissue engineering <b>2021</b> ,	2
195	Anisotropic Responsive Microgels Based on the Cholesteric Phase of Chitin Nanocrystals <b>2022</b> , 11, 96-102	1
194	Nitric Oxide-Releasing Bacterial Cellulose/Chitosan Crosslinked Hydrogels for the Treatment of Polymicrobial Wound Infections <b>2021</b> , 14,	2

193	Silicon Nitride, a Bioceramic for Bone Tissue Engineering: A Reinforced Cryogel System With Antibiofilm and Osteogenic Effects <b>2021</b> , 9, 794586	1
192	Trends in Cryotropic Gelation of Semidilute Aqueous Solutions of Poly(vinyl alcohol) with Different Thermal History. 1	
191	Thermodynamics of hydrogels for applications in atmospheric water harvesting, evaporation, and desalination <b>2022</b> ,	O
190	Hydrogels as Corneal Stroma Substitutes for In Vitro Evaluation of Drug Ocular Permeation <b>2022</b> , 14,	
189	Micromechanics of soft materials using microfluidics. <b>2022</b> , 47, 119	2
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183	PEGDA hydrogel structure from semi-dilute concentrations: insights from experiments and molecular simulations <b>2022</b> ,	O
182	Advances in 4D printing of liquid crystalline elastomers: materials, techniques, and applications <b>2022</b> ,	4
181	Biorecognition Antifouling Coatings in Complex Biological Fluids: A Review of Functionalization Aspects.	O
180	Pharmaceutical strategies for the treatment of bacterial biofilms in chronic wounds 2022,	1
179	Elastomer-Hydrogel Systems: From Bio-Inspired Interfaces to Medical Applications 2022, 14,	O
178	Synthesis of pH-Sensitive Cross-Linked Basil Seed Gum/Acrylic Acid Hydrogels by Free Radical Copolymerization Technique for Sustained Delivery of Captopril. <b>2022</b> , 8, 291	1
177	Interaction-Induced Structural Transformations in Polysaccharide and Protein-Polysaccharide Gels as Functional Basis for Novel Soft-Matter: A Case of Carrageenans. <b>2022</b> , 8, 287	4
176	Natural Polymers in Heart Valve Tissue Engineering: Strategies, Advances and Challenges. <b>2022</b> , 10, 1095	3

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173	Robust Silk Protein Hydrogels Made by a Facile One-Step Method and Their Multiple Applications.	1
172	Stabilized formulation for phase-field fracture in nearly incompressible hyperelasticity.	O
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167	Surfactant induced bilayer-micelle transition for emergence of functions in anisotropic hydrogel.	
166	Biomass-derived isosorbide-based thermoresponsive hydrogel for drug delivery.	O
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164	Silver nanoparticles-based hydrogels synthetized by ionizing radiation for cleaning of tangible cultural heritage surfaces. <b>2022</b> , 110345	1
163	Soft and Tough Microcapsules with Double-Network Hydrogel Shells. 2203761	O
162	Modulation of Molecular Structure and Mechanical Properties of ECarrageenan-Gelatin Hydrogel with Multi-Walled Carbon Nanotubes. <b>2022</b> , 14, 2346	O
161	Synthesis and characterization of stimuli-responsive hydrogels: evaluation of external stimuli influence on L929 fibroblast viability.	
160	Microorganism-derived biological macromolecules for tissue engineering.	O
159	Bioinspired Hydrogels as Platforms for Life-Science Applications: Challenges and Opportunities. <b>2022</b> , 14, 2365	5
158	Spatially-Resolved Network Dynamics of Poly(vinyl alcohol) Gels Measured with Dynamic Small Angle Light Scattering. <b>2022</b> , 8, 394	O

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156	Hydrogels for Treatment of Different Degrees of Osteoarthritis. 10,	O
155	Designs of zwitterionic polymers. <b>2022</b> , 29,	2
154	Extracellular Optogenetics at the Interface of Synthetic Biology and Materials Science. 10,	O
153	Isocyanate group containing reactive hydrogels: Facile synthesis and efficient biofunctionalization. <b>2022</b> , 175, 111338	1
152	Nanomaterials in tissue engineering: Applications and challenges. <b>2022</b> , 533-554	
151	Application of Graphene Oxide-Based Hydrogels in Bone Tissue Engineering. 2022, 8, 2849-2857	1
150	Reentrant-Convex Swelling of Thermoresponsive Gels in Mixtures of Solvents. <b>2022</b> , 61, 9725-9734	O
149	New Gelatin-Based Hydrogel Foams for Improved Substrate Conversion of Immobilized Horseradish Peroxidase. 2200139	
148	Equilibrium Swelling of Thermo-Responsive Gels in Mixtures of Solvents. <b>2022</b> , 4, 681-700	
147	Horizon of exosome-mediated bone tissue regeneration: The all-rounder role in biomaterial engineering. <b>2022</b> , 100355	1
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145	Polyvinyl alcohol nanofibers encompass Chitosan/Tripolyphosphate nanogels for controlled release of gemifloxacin antibiotic. <b>2022</b> ,	О
144	Precise Prediction of Photothermally Induced Irreversible Bending Deformation based on Non-Uniform Thermal Expansion of Layer-Structure Films.	
143	Mimicking the Natural Basement Membrane for Advanced Tissue Engineering.	3
142	Locally Applied Repositioned Hormones for Oral Bone and Periodontal Tissue Engineering: A Narrative Review. <b>2022</b> , 14, 2964	0
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140	Hydrogels as functional components in artificial cell systems.	5

139	Ionic Clathrate Hydrates of Tetraalkylammonium/phosphonium Salts: Structures, Properties, Some Applications, and Perspectives.	О
138	Simple Preparation of Injectable Hydrogels with Phase-Separated Structures That Can Encapsulate Live Cells.	1
137	Engineering Hydrogels for Modulation of Material-Cell Interactions. 2200091	1
136	Recent developments in hydrogels containing copper and palladium for the catalytic reduction/degradation of organic pollutants. <b>2022</b> , 12, 23481-23502	Ο
135	Creating a Functional Biomimetic Cartilage Implant Using Hydrogels Based on Methacrylated Chondroitin Sulfate and Hyaluronic Acid. <b>2022</b> , 8, 457	O
134	Islet-1 Mesenchymal Stem Cells-Derived Exosome-Incorporated Angiogenin-1 Hydrogel for Enhanced Acute Myocardial Infarction Therapy. <b>2022</b> , 14, 36289-36303	1
133	Investigation of Collagen-Incorporated Sodium Alginate Bioprinting Hydrogel for Tissue Engineering. <b>2022</b> , 6, 227	O
132	Supernucleation Dominates Lignin/Poly(ethylene oxide) Crystallization Kinetics.	
131	Enhanced bone tissue regeneration with hydrogel-based scaffolds by embedding parathyroid hormone in mesoporous bioactive glass.	1
130	Tyramine-Functionalized Alginate-Collagen Hybrid Hydrogel Inks for 3D-Bioprinting. <b>2022</b> , 14, 3173	2
129	Stretchable, self-healable, and breathable biomimetic iontronics with superior humidity-sensing performance for wireless respiration monitoring.	4
128	Acetic Acid Enables Precise Tailoring of the Mechanical Behavior of Protein-Based Hydrogels.	1
127	Droplet Microfluidics-Based Fabrication of Monodisperse Poly(ethylene glycol)-Fibrinogen Breast Cancer Microspheres for Automated Drug Screening Applications.	1
126	Effect of the molecular structure and mechanical properties of plant-based hydrogels in food systems to deliver probiotics: an updated review. 1-27	1
125	Three-dimensional mechanical characterization of murine skeletal muscle using quantitative micro-elastography.	0
124	Ultra-fast pH determination with a new colorimetric pH-sensing hydrogel for biomedical and environmental applications. <b>2022</b> , 180, 105398	O
123	Chitosan/silk fibroin biomimic scaffolds reinforced by cellulose acetate nanofibers for smooth muscle tissue engineering. <b>2022</b> , 298, 120056	0
122	Hydrogel based materials: A progressive approach towards advancement in biomedical applications. <b>2022</b> , 33, 104369	Ο

121	Intelligent hydrogels and their biomedical applications.	О
120	Tuning the Mechanical Properties of Colloid Particles for Drug Delivery. <b>2022</b> , 80, 1010	O
119	Self-assembly in systems based on l-cysteineBilver-nitrate aqueous solution: multiscale computer simulation.	O
118	OrganicInorganic NanoHybrids in Tissue Engineering and Drug Delivery Applications. 2022, 133-150	O
117	Biodegradable floating hydrogel baits as larvicide delivery systems against mosquitoes. <b>2022</b> , 18, 6443-6452	O
116	Synergistic influence of tetraethyl orthosilicate crosslinker on mixed matrix hydrogels.	O
115	Autoclaving pHEMA-Based Hydrogels Immersed in Deionized Water has No Effect on Physicochemical Properties and Cell Behaviors. <b>2022</b> , 7, 32038-32045	О
114	Advanced Functional Polymers: Properties and Supramolecular Phenomena in Hydrogels and Polyrotaxane-based Materials.	0
113	Hydrogels for localized drug delivery: A special emphasis on dermatologic applications.	О
112	Mucoadhesive Polymers and Their Applications in Drug Delivery Systems for the Treatment of Bladder Cancer. <b>2022</b> , 8, 587	1
111	Controlled Delivery and Photopatterning of Mechanical Properties in Polysaccharide Hydrogels Using Vanadium Coordination and Photochemistry.	0
110	Scaffolds for bone-tissue engineering. <b>2022</b> , 5, 2722-2759	3
109	A Comprehensive Review of Cross-Linked Gels as Vehicles for Drug Delivery to Treat Central Nervous System Disorders. <b>2022</b> , 8, 563	1
108	Three-Dimensional Mesoporous Polyindole Architectures for Supercapacitor Applications.	O
107	Polysaccharide-based porous biopolymers for enhanced bioaccessibility and bioavailability of bioactive food compounds: Challenges, advances, and opportunities.	О
106	Subaqueous Bioprinting: A Novel Strategy for Fetal Membrane Repair with 7-Axis Robot-Assisted Minimally Invasive Surgery. 2207496	O
105	Polymeric Aqueous Two Phase System with an Immobilized Phase by Cross-Linking.	0
104	Facile mussel-inspired polymerization to facilitate biomimetic in situ homogeneous mineralization for bone regeneration. <b>2022</b> , 247, 110325	O

103	Study on the 3D BioPrinting Technology of Hydrogel Tissue Engineering scaffolds. <b>2022</b> , 2346, 012012	0
102	Insights into current directions of protein and peptide-based hydrogel drug delivery systems for inflammation.	O
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99	Advancements and Utilizations of Scaffolds in Tissue Engineering and Drug Delivery. 2022, 23,	O
98	Preparation of pH-Responsive Hydrogels Based on Chondroitin Sulfate/Alginate for Oral Drug Delivery. <b>2022</b> , 14, 2110	2
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96	Hydrogel interfaces for merging humans and machines.	11
95	Histidine-Triggered GO Hybrid Hydrogels for Microfluidic 3D Printing.	1
94	New horizons of biomaterials in treatment of nerve damage in diabetes mellitus: A translational prospective review. 13,	O
93	Supramolecular Structure and Mechanical Performance of Carrageenan Gelatin Gel. 2022, 14, 4347	O
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91	Structural and physico-chemical properties of clathrate hydrates of tetraisoamylammonium polyacrylates.	O
90	Glucose-Responsive Injectable Thermogels via Dynamic-Covalent Cross-Linking of Pluronic Micelles.	1
89	Actively-Triggerable Metals via Liquid Metal Embrittlement for Biomedical Applications. 2208227	1
88	Injectable thermo-sensitive hydrogel containing ADSC-derived exosomes for the treatment of cavernous nerve injury. <b>2023</b> , 300, 120226	O
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86	Recent Advances and Applications of Hydrogels in Medicine. <b>2022</b> , 47-93	O

85	Bibliometrics of Functional Polymeric Biomaterials with Bioactive Properties Prepared by Radiation-Induced Graft Copolymerisation: A Review. <b>2022</b> , 14, 4831	0
84	Pineapple Agro-Industrial Biomass to Produce Biomedical Applications in a Circular Economy Context in Costa Rica. <b>2022</b> , 14, 4864	Ο
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