

Hydrogel Cross-Linked with Dynamic Covalent Bonding Burn Wound Healing

ACS Applied Materials & Interfaces

10, 25194-25202

DOI: [10.1021/acsami.8b08165](https://doi.org/10.1021/acsami.8b08165)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Facile fabrication and characterization of highly stretchable lignin-based hydroxyethyl cellulose self-healing hydrogel. <i>Carbohydrate Polymers</i> , 2019, 223, 115080.	5.1	109
2	Incorporation of ZnO/Bioactive Glass Nanoparticles into Alginate/Chitosan Composite Hydrogels for Wound Closure. <i>ACS Applied Bio Materials</i> , 2019, 2, 5042-5052.	2.3	56
3	Multiresponsive and Self-Healing Hydrogel via Formation of Polymerâ€“Nanogel Interfacial Dynamic Benzoxaborole Esters at Physiological pH. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 44742-44750.	4.0	35
4	Antibacterial poly (ethylene glycol) diacrylate/chitosan hydrogels enhance mechanical adhesiveness and promote skin regeneration. <i>Carbohydrate Polymers</i> , 2019, 225, 115110.	5.1	121
5	Injectable biomaterials for translational medicine. <i>Materials Today</i> , 2019, 28, 81-97.	8.3	82
6	Photocatalytic antibacterial agent incorporated double-network hydrogel for wound healing. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 180, 237-244.	2.5	37
7	Thermoresponsive dendronized chitosan-based hydrogels as injectable stem cell carriers. <i>Polymer Chemistry</i> , 2019, 10, 2305-2315.	1.9	21
8	Smartâ€“Sensing Polymer Coatings with Autonomously Reporting Corrosion Dynamics of Selfâ€“Healing Systems. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900055.	1.9	41
9	Using Synergistic Multiple Dynamic Bonds to Construct Polymers with Engineered Properties. <i>Macromolecular Rapid Communications</i> , 2019, 40, e1900038.	2.0	82
10	Design and optimization of process parameters of polyvinyl (alcohol)/chitosan/nano zinc oxide hydrogels as wound healing materials. <i>Carbohydrate Polymers</i> , 2019, 207, 542-554.	5.1	140
11	Improvement of platelet aggregation and rapid induction of hemostasis in chitosan dressing using silver nanoparticles. <i>Cellulose</i> , 2020, 27, 385-400.	2.4	31
12	All-natural injectable hydrogel with self-healing and antibacterial properties for wound dressing. <i>Cellulose</i> , 2020, 27, 2637-2650.	2.4	44
13	Stretchable, compressible, self-healable carbon nanotube mechanically enhanced composite hydrogels with high strain sensitivity. <i>Journal of Materials Chemistry C</i> , 2020, 8, 1933-1942.	2.7	18
14	Dynamic covalent polymers for biomedical applications. <i>Materials Chemistry Frontiers</i> , 2020, 4, 489-506.	3.2	94
15	Arginine derivatives assist dopamine-hyaluronic acid hybrid hydrogels to have enhanced antioxidant activity for wound healing. <i>Chemical Engineering Journal</i> , 2020, 392, 123775.	6.6	177
16	Dynamic covalent chemistry-regulated stimuli-activatable drug delivery systems for improved cancer therapy. <i>Chinese Chemical Letters</i> , 2020, 31, 1051-1059.	4.8	57
17	Advances in hydrogels based on dynamic covalent bonding and prospects for its biomedical application. <i>European Polymer Journal</i> , 2020, 139, 110024.	2.6	46
18	An overview of dynamic covalent bonds in polymer material and their applications. <i>European Polymer Journal</i> , 2020, 141, 110094.	2.6	132

#	ARTICLE	IF	CITATIONS
19	Green preparation of anti-inflammation an injectable 3D porous hydrogel for speeding up deep second-degree scald wound healing. <i>RSC Advances</i> , 2020, 10, 36101-36110.	1.7	6
20	Redox and pH dual-responsive injectable hyaluronan hydrogels with shape-recovery and self-healing properties for protein and cell delivery. <i>Carbohydrate Polymers</i> , 2020, 250, 116979.	5.1	35
21	A novel polyurethane elastomer with super mechanical strength and excellent self-healing performance of wide scratches. <i>Progress in Organic Coatings</i> , 2020, 149, 105943.	1.9	19
22	Dual-crosslinked hyaluronan hydrogels with rapid gelation and high injectability for stem cell protection. <i>Scientific Reports</i> , 2020, 10, 14997.	1.6	20
23	Synthesis and characterization of a hyaluronic acid-based hydrogel with antioxidative and thermosensitive properties. <i>RSC Advances</i> , 2020, 10, 33851-33860.	1.7	4
24	Emergence of Heptazine-Based Graphitic Carbon Nitride within Hydrogel Nanocomposites for Scarless Healing of Burn Wounds. <i>ACS Applied Polymer Materials</i> , 2020, 2, 5743-5755.	2.0	8
25	Fully physically crosslinked pectin-based hydrogel with high stretchability and toughness for biomedical application. <i>International Journal of Biological Macromolecules</i> , 2020, 149, 707-716.	3.6	56
26	Research status of self-healing hydrogel for wound management: A review. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 2108-2123.	3.6	151
27	Recent Progress of Highly Adhesive Hydrogels as Wound Dressings. <i>Biomacromolecules</i> , 2020, 21, 3966-3983.	2.6	127
28	WUWHS 2020 Global Healing Changing Lives, Abu Dhabi, UAE March 8â€“12. <i>Journal of Wound Care</i> , 2020, 29, 1-314.	0.5	1
29	Physical and Chemical Factors Influencing the Printability of Hydrogel-based Extrusion Bioinks. <i>Chemical Reviews</i> , 2020, 120, 10834-10886.	23.0	107
30	Injectable Adhesive Self-Healing Multicross-Linked Double-Network Hydrogel Facilitates Full-Thickness Skin Wound Healing. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 57782-57797.	4.0	154
31	Template-assisted hydrogelation of a dynamic covalent polyviologen-based supramolecular architecture via donor-acceptor interactions. <i>Materials Today Chemistry</i> , 2020, 17, 100289.	1.7	11
32	Copper Sulfide Nanoparticles-Incorporated Hyaluronic Acid Injectable Hydrogel With Enhanced Angiogenesis to Promote Wound Healing. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 417.	2.0	39
33	Self-Healing Hydrogels Based on Reversible Covalent Linkages: A Survey of Dynamic Chemical Bonds in Network Formation. <i>Advances in Polymer Science</i> , 2020, , 243-294.	0.4	13
34	Dual dynamically crosslinked thermosensitive hydrogel with self-fixing as a postoperative anti-adhesion barrier. <i>Acta Biomaterialia</i> , 2020, 110, 119-128.	4.1	57
35	Preparation of a chitosan/carboxymethyl chitosan/AgNPs polyelectrolyte composite physical hydrogel with self-healing ability, antibacterial properties, and good biosafety simultaneously, and its application as a wound dressing. <i>Composites Part B: Engineering</i> , 2020, 197, 108139.	5.9	111
36	Triblock Copolymer Micelle-Crosslinked Hydrogels. <i>Advances in Polymer Science</i> , 2020, , 211-241.	0.4	3

#	ARTICLE	IF	CITATIONS
37	Selection of Appropriate Wound Dressing for Various Wounds. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 182.	2.0	197
38	Hydrogel Dressings for the Treatment of Burn Wounds: An Up-To-Date Overview. <i>Materials</i> , 2020, 13, 2853.	1.3	90
39	Rapid gelation of oxidized hyaluronic acid and succinyl chitosan for integration with insulin-loaded micelles and epidermal growth factor on diabetic wound healing. <i>Materials Science and Engineering C</i> , 2020, 117, 111273.	3.8	56
40	Tannic acid-reinforced methacrylated chitosan/methacrylated silk fibroin hydrogels with multifunctionality for accelerating wound healing. <i>Carbohydrate Polymers</i> , 2020, 247, 116689.	5.1	140
41	Access to Highly Tough Hydrogels by Polymer Modules for Application of Catalytic Reactors. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 4977-4986.	1.8	3
42	Design of a Multifunctional Biomaterial Inspired by Ancient Chinese Medicine for Hair Regeneration in Burned Skin. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 12489-12499.	4.0	48
43	Rational design and latest advances of polysaccharide-based hydrogels for wound healing. <i>Biomaterials Science</i> , 2020, 8, 2084-2101.	2.6	245
44	Solvent processable and recyclable covalent adaptable organogels based on dynamic trans-esterification chemistry: separation of toluene from azeotropic mixtures. <i>Polymer Chemistry</i> , 2020, 11, 1471-1480.	1.9	6
45	Conductive adhesive self-healing nanocomposite hydrogel wound dressing for photothermal therapy of infected full-thickness skin wounds. <i>Chemical Engineering Journal</i> , 2020, 394, 124888.	6.6	401
46	Fabrication of self-healing hydrogel from quaternized N-(3-(dimethylamino)propyl)methacrylamide copolymer for antimicrobial and drug release applications. <i>Journal of Biomedical Materials Research - Part A</i> , 2021, 109, 42-53.	2.1	11
47	Lignin-Incorporated Nanogel Serving As an Antioxidant Biomaterial for Wound Healing. <i>ACS Applied Bio Materials</i> , 2021, 4, 3-13.	2.3	58
48	Adaptable hydrogel with reversible linkages for regenerative medicine: Dynamic mechanical microenvironment for cells. <i>Bioactive Materials</i> , 2021, 6, 1375-1387.	8.6	90
49	Stimuli-responsive Nanocomposite Hydrogels Incorporating Soft Nanoparticles for Biomedical Applications. <i>RSC Soft Matter</i> , 2021, , 566-593.	0.2	0
50	Recent trends on burn wound care: hydrogel dressings and scaffolds. <i>Biomaterials Science</i> , 2021, 9, 4523-4540.	2.6	80
51	Controlled release of KGF-2 for regulation of wound healing by KGF-2 complexed with lotus seedpod surface-like porous microspheres. <i>Journal of Materials Chemistry B</i> , 2021, 9, 4039-4049.	2.9	6
52	An environmentally friendly wound dressing based on a self-healing, extensible and compressible antibacterial hydrogel. <i>Green Chemistry</i> , 2021, 23, 1312-1329.	4.6	69
53	A review of the properties and applications of bioadhesive hydrogels. <i>Polymer Chemistry</i> , 2021, 12, 3721-3739.	1.9	78
54	Dually Crosslinked Polymer Networks Incorporating Dynamic Covalent Bonds. <i>Polymers</i> , 2021, 13, 396.	2.0	61

#	ARTICLE	IF	CITATIONS
55	Hyperbranched polymer with dynamic thiolâ€“aldehyde crosslinking and its application as a self-healable bioadhesive. <i>Journal of Materials Chemistry B</i> , 2021, 9, 5818-5828.	2.9	8
56	Biomimetic Hydrogels Loaded with Nanofibers Mediate Sustained Release of pDNA and Promote In Situ Bone Regeneration. <i>Macromolecular Bioscience</i> , 2021, 21, e2000393.	2.1	9
57	PEG- <i>CD/AM</i> /liposome @amoxicillin double network hydrogel wound dressingâ€”Multiple barriers for long-term drug release. <i>Journal of Biomaterials Applications</i> , 2021, 35, 1085-1095.	1.2	12
58	Doubleâ€“Network Heparin Dynamic Hydrogels: Dynagels as Antiâ€“bacterial 3D Cell Culture Scaffolds. <i>Chemistry - A European Journal</i> , 2021, 27, 7080-7084.	1.7	4
59	Engineering Hydrogel Adhesion for Biomedical Applications via Chemical Design of the Junction. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 4048-4076.	2.6	89
60	Advances in Injectable and Selfâ€“healing Polysaccharide Hydrogel Based on the Schiff Base Reaction. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2100025.	2.0	94
61	A double-crosslinked self-healing antibacterial hydrogel with enhanced mechanical performance for wound treatment. <i>Acta Biomaterialia</i> , 2021, 124, 139-152.	4.1	61
62	Current progress of self-healing polymers for medical applications in tissue engineering. <i>Iranian Polymer Journal (English Edition)</i> , 2022, 31, 7-29.	1.3	8
63	Ultrafast Fabrication of Self-Healing and Injectable Carboxymethyl Chitosan Hydrogel Dressing for Wound Healing. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 24095-24105.	4.0	126
64	Structurally Dynamic Hydrogels for Biomedical Applications: Pursuing a Fine Balance between Macroscopic Stability and Microscopic Dynamics. <i>Chemical Reviews</i> , 2021, 121, 11149-11193.	23.0	161
65	Injectable adaptive self-healing hyaluronic acid/poly (β -glutamic acid) hydrogel for cutaneous wound healing. <i>Acta Biomaterialia</i> , 2021, 127, 102-115.	4.1	83
66	Facile fabrication of nonswellable and biocompatible hydrogels with cartilage-comparable performances. <i>Materials Today Communications</i> , 2021, 27, 102375.	0.9	5
67	Functional Hydrogels as Wound Dressing to Enhance Wound Healing. <i>ACS Nano</i> , 2021, 15, 12687-12722.	7.3	1,131
68	Novel fabrication of antibiotic containing multifunctional silk fibroin injectable hydrogel dressing to enhance bactericidal action and wound healing efficiency on burn wound: In vitro and in vivo evaluations. <i>International Wound Journal</i> , 2022, 19, 679-691.	1.3	20
69	Hydrogel Preparation Methods and Biomaterials for Wound Dressing. <i>Life</i> , 2021, 11, 1016.	1.1	102
70	A novel drug delivery system â€” Drug crystallization encapsulated liquid crystal emulsion. <i>International Journal of Pharmaceutics</i> , 2021, 607, 121007.	2.6	7
71	Biomimetic Hydrogels to Promote Wound Healing. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 718377.	2.0	72
72	Antioxidative and Angiogenic Hyaluronic Acid-Based Hydrogel for the Treatment of Peripheral Artery Disease. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 45224-45235.	4.0	9

#	ARTICLE	IF	CITATIONS
73	A β -PGA/KGM-based injectable hydrogel as immunoactive and antibacterial wound dressing for skin wound repair. <i>Materials Science and Engineering C</i> , 2021, 129, 112374.	3.8	32
74	Cationic peptide-based salt-responsive antibacterial hydrogel dressings for wound healing. <i>International Journal of Biological Macromolecules</i> , 2021, 190, 754-762.	3.6	25
75	Mussel-inspired adhesive antioxidant antibacterial hemostatic composite hydrogel wound dressing via photo-polymerization for infected skin wound healing. <i>Bioactive Materials</i> , 2022, 8, 341-354.	8.6	273
76	pH-Responsive Charge-Conversion Progelator Peptides. <i>Advanced Functional Materials</i> , 2021, 31, 2007733.	7.8	11
77	Dual Functionalized Injectable Hybrid Extracellular Matrix Hydrogel for Burn Wounds. <i>Biomacromolecules</i> , 2021, 22, 514-533.	2.6	18
78	Alkaline-phosphatase triggered self-assemblies enhances the anti-inflammatory property of methylprednisolone in spinal cord injury. <i>Journal of Applied Biomaterials and Functional Materials</i> , 2020, 18, 228080002097850.	0.7	5
79	A novel dual crosslinked polysaccharide hydrogel with self-healing and stretchable properties. <i>Polymer Chemistry</i> , 2021, 12, 6134-6144.	1.9	11
80	Biodegradable gelatin/silver nanoparticle composite cryogel with excellent antibacterial and antibiofilm activity and hemostasis for <i>Pseudomonas aeruginosa</i> -infected burn wound healing. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 2278-2289.	5.0	96
81	3D printed ultra-fast photothermal responsive shape memory hydrogel for microrobots. <i>International Journal of Extreme Manufacturing</i> , 2022, 4, 015302.	6.3	34
82	Development of thermo/redox-responsive diselenide linked methoxy poly (ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 3871 <i>Journal of Polymer Research</i> , 2021, 28, 1.	1.2	6
83	Role of copper nanoparticles in wound healing for chronic wounds: literature review. <i>Burns and Trauma</i> , 2022, 10, tkab047.	2.3	50
84	Dynamic reversible hydrogel-bearing cucurbit[6]uril units: Unique recognition of copper ions. <i>Reactive and Functional Polymers</i> , 2022, 170, 105095.	2.0	1
85	A highly resilient and ultra-sensitive hydrogel for wearable sensors. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51925.	1.3	11
86	A Sequential Therapeutic Hydrogel With Injectability and Antibacterial Activity for Deep Burn Wounds TM Cleaning and Healing. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 794769.	2.0	5
87	Biadhesion design of hydrogels: adhesion strategies and evaluation methods for biological interfaces. <i>Journal of Adhesion Science and Technology</i> , 2023, 37, 335-369.	1.4	0
88	Chemical stimuli-induced reversible bond cleavage in covalently crosslinked hydrogels. <i>Coordination Chemistry Reviews</i> , 2022, 455, 214368.	9.5	27
89	Nanostructured Lipid Carriers-Hydrogels System for Drug Delivery: Nanohybrid Technology Perspective. <i>Molecules</i> , 2022, 27, 289.	1.7	17
90	In situ formation of a near-infrared controlled dual-antibacterial platform. <i>New Journal of Chemistry</i> , 2022, 46, 1569-1576.	1.4	3

#	ARTICLE	IF	CITATIONS
91	Green Reduction of Graphene Oxide by Macromolecular CMCS to Prepare Self-Healing Conductive Hydrogel Wound Dressing with Drug/Photothermal Antibacterial Activity. <i>Macromolecular Materials and Engineering</i> , 2022, 307, .	1.7	4
92	A high strength, low friction, and biocompatible hydrogel from PVA, chitosan and sodium alginate for articular cartilage. <i>Carbohydrate Polymers</i> , 2022, 286, 119268.	5.1	55
93	Hyaluronic acid based nanomedicines as promising wound healers for acute-to-chronic wounds: a review of recent updates and emerging trends. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2023, 72, 252-270.	1.8	2
94	Functional Hydrogel Dressings for Treatment of Burn Wounds. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 788461.	2.0	35
95	Skin-Adaptable, Long-Lasting Moisture, and Temperature-Tolerant Hydrogel Dressings for Accelerating Burn Wound Healing without Secondary Damage. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 59695-59707.	4.0	45
97	Advances in modified hyaluronic acid-based hydrogels for skin wound healing. <i>Biomaterials Science</i> , 2022, 10, 3393-3409.	2.6	58
98	A methacrylated hyaluronic acid network reinforced Pluronic F-127 gel for treatment of bacterial keratitis. <i>Biomedical Materials (Bristol)</i> , 2022, 17, 045017.	1.7	3
99	Direct 3D printing of thermosensitive AOP127-oxidized dextran hydrogel with dual dynamic crosslinking and high toughness. <i>Carbohydrate Polymers</i> , 2022, 291, 119616.	5.1	18
100	Osteichthyes skin-inspired tough and sticky composite hydrogels for dynamic adhesive dressings. <i>Composites Part B: Engineering</i> , 2022, 241, 110010.	5.9	23
101	Nanocomposite conductive tough hydrogel based on metal coordination reinforced covalent Pluronic F-127 micelle network for human motion sensing. <i>Journal of Colloid and Interface Science</i> , 2022, 625, 817-830.	5.0	21
102	Bioactive Natural and Synthetic Polymers for Wound Repair. <i>Macromolecular Research</i> , 2022, 30, 495-526.	1.0	8
103	Fast-Forming Dissolvable Redox-Responsive Hydrogels: Exploiting the Orthogonality of Thiol-Maleimide and Thiol-Disulfide Exchange Chemistry. <i>Biomacromolecules</i> , 2022, 23, 3525-3534.	2.6	20
104	Effects of Drug-Free Pectin Hydrogel Films on Thermal Burn Wounds in Streptozotocin-Induced Diabetic Rats. <i>Polymers</i> , 2022, 14, 2873.	2.0	7
105	Recent Advances of Natural Polysaccharide-Based Double-Network Hydrogels for Tissue Repair. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	1.7	11
106	Spatiotemporal self-strengthening hydrogels for oral tissue regeneration. <i>Composites Part B: Engineering</i> , 2022, 243, 110119.	5.9	14
107	Fabrication of Curcumin-Loaded Silk Fibroin and Polyvinyl Alcohol Composite Hydrogel Films for Skin Wound Healing. <i>ACS Applied Bio Materials</i> , 2022, 5, 4400-4412.	2.3	8
108	A <i>Dioscorea opposita</i> Thunb Polysaccharide-Based Dual-Responsive Hydrogel for Insulin Controlled Release. <i>International Journal of Molecular Sciences</i> , 2022, 23, 9081.	1.8	4
109	Dressing systems based on chitosan as active transport platforms in the treatment of burnt skin: Mini-review. <i>Polymers for Advanced Technologies</i> , 2022, 33, 3112-3124.	1.6	2

#	ARTICLE	IF	CITATIONS
110	Bacterial Growth-Induced Tobramycin Smart Release Self-Healing Hydrogel for <i>Pseudomonas aeruginosa</i> -Infected Burn Wound Healing. <i>ACS Nano</i> , 2022, 16, 13022-13036.	7.3	198
111	Near-infrared responsive quaternized chitosan-coated MoS ₂ /poly(vinyl alcohol) hydrogel with improved mechanical and rapid antibacterial properties. <i>European Polymer Journal</i> , 2022, 180, 111593.	2.6	8
112	Turn Wastes into Valuables: Supramolecular-Interaction Enabled Preparation of Super-Strong Water-Based Adhesives from Polymethylmethacrylate Wastes. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
113	Dynamic covalent crosslinked hyaluronic acid hydrogels and nanomaterials for biomedical applications. <i>Biomaterials Science</i> , 2022, 10, 6399-6412.	2.6	14
114	Double-Crosslinked Reduced Graphene Oxide-Based Hydrogel Actuator System with Fast Electro-Responsive Deformation and Excellent Mechanical Properties. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
115	Vasorin-containing small extracellular vesicles retard intervertebral disc degeneration utilizing an injectable thermoresponsive delivery system. <i>Journal of Nanobiotechnology</i> , 2022, 20, .	4.2	11
116	Antibacterial conductive self-healable supramolecular hydrogel dressing for infected motion wound healing. <i>Science China Chemistry</i> , 2022, 65, 2238-2251.	4.2	26
117	Supramolecular hybrid hydrogels as rapidly on-demand dissoluble, self-healing, and biocompatible burn dressings. <i>Bioactive Materials</i> , 2023, 25, 415-429.	8.6	10
118	Dynamic Covalent Hydrogels: Strong yet Dynamic. <i>Gels</i> , 2022, 8, 577.	2.1	12
119	Hyaluronic Acid-Based Injectable Hydrogels for Wound Dressing and Localized Tumor Therapy: A Review. <i>Advanced NanoBiomed Research</i> , 2022, 2, .	1.7	11
120	Supramolecular Hydrogel Dressing: Effect of Lignin on the Self-Healing, Antibacterial, Antioxidant, and Biological Activity Improvement. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 50199-50214.	4.0	20
121	Design of Near-Infrared-Triggered Cellulose Nanocrystal-Based <i>In Situ</i> Intelligent Wound Dressings for Drug-Resistant Bacteria-Infected Wound Healing. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 51630-51644.	4.0	17
122	Polysaccharide-based hydrogels: New insights and futuristic prospects in wound healing. <i>International Journal of Biological Macromolecules</i> , 2022, 223, 1586-1603.	3.6	28
123	Light-triggered theranostic hydrogels for real-time imaging and on-demand photodynamic therapy of skin abscesses. <i>Acta Biomaterialia</i> , 2023, 155, 292-303.	4.1	11
124	Zwitterionic Polysaccharide-Based Hydrogel Dressing as a Stem Cell Carrier to Accelerate Burn Wound Healing. <i>Advanced Healthcare Materials</i> , 2023, 12, .	3.9	23
125	Advances in Hemostatic Hydrogels That Can Adhere to Wet Surfaces. <i>Gels</i> , 2023, 9, 2.	2.1	12
126	Magnetic-Responsive Covalent Adaptable Networks. <i>Chemistry - an Asian Journal</i> , 2023, 18, .	1.7	5
127	A Review on Thermal Properties of Hydrogels for Electronic Devices Applications. <i>Gels</i> , 2023, 9, 7.	2.1	10

#	ARTICLE	IF	CITATIONS
128	Extracellular matrix (ECM)-inspired high-strength gelatin-alginate based hydrogels for bone repair. <i>Biomaterials Science</i> , 2023, 11, 2877-2885.	2.6	7
129	Development of self-healing vanillin/PEI hydrogels for tissue engineering. <i>European Polymer Journal</i> , 2023, 188, 111933.	2.6	3
130	Supramolecular interaction enabled preparation of high-strength water-based adhesives from polymethylmethacrylate wastes. <i>IScience</i> , 2023, 26, 106022.	1.9	1
131	The pH-sensitive Optical Fiber Integrated CMCS@PA@Fe Hydrogels for Photothermal Therapy and Real-time Monitoring of Infected Wounds. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	22
132	3D Printable Self-Adhesive and Self-Healing Ionotronic Hydrogels for Wearable Healthcare Devices. <i>ACS Applied Materials & Interfaces</i> , 2023, 15, 11042-11052.	4.0	17
133	Electrospun Porcine Acellular Dermal Matrix and Polycaprolactone Composite Nanofibrous Scaffolds for Accelerating Wound Healing. <i>Fibers and Polymers</i> , 2023, 24, 589-601.	1.1	2
134	Integrated Optical Coherence Tomography and Deep Learning for Evaluating of the Injectable Hydrogel on Skin Wound Healing. , 0, , .		0
135	Double-crosslinked reduced graphene oxide-based hydrogel actuator system with fast electro-responsive deformation and enhanced mechanical properties. <i>Materials Today Chemistry</i> , 2023, 29, 101434.	1.7	1
136	Hydrogel/Nanofiber Composite Wound Dressing Optimized for Skin Layer Regeneration through the Mechanotransduction-Based Microcellular Environment. <i>ACS Applied Bio Materials</i> , 2023, 6, 1774-1786.	2.3	6
145	Recent advances in novel materials and techniques for developing transparent wound dressings. <i>Journal of Materials Chemistry B</i> , 2023, 11, 6201-6224.	2.9	10
160	Hydrogels as dynamic covalent networks for skin repair. , 2024, , 605-624.		0