

Shear-Thinning Nanocomposite Hydrogels for the Treat

ACS Nano

8, 9833-9842

DOI: 10.1021/nn503719n

Citation Report

#	ARTICLE	IF	CITATIONS
1	A Highly Elastic and Rapidly Crosslinkable Elastin-Like Polypeptide-Based Hydrogel for Biomedical Applications. <i>Advanced Functional Materials</i> , 2015, 25, 4814-4826.	7.8	201
2	Biodegradable Polymer Blend-Based Surgical Sealant with Body-Temperature-Mediated Adhesion. <i>Advanced Materials</i> , 2015, 27, 8056-8061.	11.1	51
3	Ex Vivo engineered immune organoids for controlled germinal center reactions. <i>Biomaterials</i> , 2015, 63, 24-34.	5.7	108
4	Nanocomposite hydrogels: an emerging biomimetic platform for myocardial therapy and tissue engineering. <i>Nanomedicine</i> , 2015, 10, 1371-1374.	1.7	32
5	Bioactive Nanoengineered Hydrogels for Bone Tissue Engineering: A Growth-Factor-Free Approach. <i>ACS Nano</i> , 2015, 9, 3109-3118.	7.3	547
6	The effect of particle-scale dynamics on the macroscopic properties of disk-shaped colloid-polymer systems. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 482, 585-595.	2.3	12
7	Elastomeric Cell-Laden Nanocomposite Microfibers for Engineering Complex Tissues. <i>Cellular and Molecular Bioengineering</i> , 2015, 8, 404-415.	1.0	23
8	Biomedical applications of cationic clay minerals. <i>RSC Advances</i> , 2015, 5, 29467-29481.	1.7	179
9	Two-Dimensional Nanomaterials for Biomedical Applications: Emerging Trends and Future Prospects. <i>Advanced Materials</i> , 2015, 27, 7261-7284.	11.1	665
10	Elastomeric and mechanically stiff nanocomposites from poly(glycerol sebacate) and bioactive nanosilicates. <i>Acta Biomaterialia</i> , 2015, 26, 34-44.	4.1	56
11	Polymeric Nanohybrids as a New Class of Therapeutic Biotransporters. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 1245-1259.	1.1	17
12	Biomedical Uses for 2D Materials Beyond Graphene: Current Advances and Challenges Ahead. <i>Advanced Materials</i> , 2016, 28, 6052-6074.	11.1	335
13	3D Biomaterial Microarrays for Regenerative Medicine: Current State of the Art, Emerging Directions and Future Trends. <i>Advanced Materials</i> , 2016, 28, 771-781.	11.1	80
15	Graphene-Montmorillonite Composite Sponge for Safe and Effective Hemostasis. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 35071-35080.	4.0	137
16	A fluorescent, self-healing and pH sensitive hydrogel rapidly fabricated from HPAMAM and oxidized alginate with injectability. <i>RSC Advances</i> , 2016, 6, 34254-34260.	1.7	30
17	Engineered Nanomaterials for Infection Control and Healing Acute and Chronic Wounds. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 10049-10069.	4.0	206
18	Injectable composites via functionalization of 1D nanoclays and biodegradable coupling with a polysaccharide hydrogel. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 145, 562-566.	2.5	15
19	Injectable shear-thinning nanoengineered hydrogels for stem cell delivery. <i>Nanoscale</i> , 2016, 8, 12362-12372.	2.8	150

#	ARTICLE	IF	CITATIONS
20	Advanced Bioprinting for 3D Printing: A Materials Science Perspective. <i>Annals of Biomedical Engineering</i> , 2016, 44, 2090-2102.	1.3	518
21	Emerging Trends in Biomaterials Research. <i>Annals of Biomedical Engineering</i> , 2016, 44, 1861-1862.	1.3	7
22	Hyaluronan delivery by polymer demixing in polysaccharide-based hydrogels and membranes for biomedical applications. <i>Carbohydrate Polymers</i> , 2016, 150, 408-418.	5.1	34
23	Classical Challenges in the Physical Chemistry of Polymer Networks and the Design of New Materials. <i>Accounts of Chemical Research</i> , 2016, 49, 2786-2795.	7.6	43
24	An injectable shear-thinning biomaterial for endovascular embolization. <i>Science Translational Medicine</i> , 2016, 8, 365ra156.	5.8	147
25	Nanoengineered thermoresponsive magnetic hydrogels for biomedical applications. <i>Bioengineering and Translational Medicine</i> , 2016, 1, 297-305.	3.9	70
26	Combination of gelatin and tranexamic acid offers improved haemostasis and safe use on internal hemorrhage control. <i>RSC Advances</i> , 2016, 6, 95189-95198.	1.7	15
27	Two-Dimensional Magnesium Phosphate Nanosheets Form Highly Thixotropic Gels That Up-Regulate Bone Formation. <i>Nano Letters</i> , 2016, 16, 4779-4787.	4.5	60
28	Biosynthetic Polymers as Functional Materials. <i>Macromolecules</i> , 2016, 49, 4379-4394.	2.2	67
29	Thermoresponsive and Mechanical Properties of Poly(L-proline) Gels. <i>Biomacromolecules</i> , 2016, 17, 399-406.	2.6	25
30	Stem cell secretome-rich nanoclay hydrogel: a dual action therapy for cardiovascular regeneration. <i>Nanoscale</i> , 2016, 8, 7371-7376.	2.8	77
31	Nanoengineered biomimetic hydrogels for guiding human stem cell osteogenesis in three dimensional microenvironments. <i>Journal of Materials Chemistry B</i> , 2016, 4, 3544-3554.	2.9	149
32	Fabrication and characterization of Pluronic modified poly(hydroxybutyrate) fibers for potential wound dressing applications. <i>Materials Science and Engineering C</i> , 2016, 63, 266-273.	3.8	50
33	Hydrogels 2.0: improved properties with nanomaterial composites for biomedical applications. <i>Biomedical Materials (Bristol)</i> , 2016, 11, 014104.	1.7	82
34	Polymeric Hydrogels: A Review of Recent Developments. <i>Springer Series on Polymer and Composite Materials</i> , 2016, , 1-17.	0.5	7
35	Microscale Technologies for Engineering Complex Tissue Structures. , 2016, , 3-25.		6
36	Strategies and Molecular Design Criteria for 3D Printable Hydrogels. <i>Chemical Reviews</i> , 2016, 116, 1496-1539.	23.0	580
37	Cell-laden hydrogels for osteochondral and cartilage tissue engineering. <i>Acta Biomaterialia</i> , 2017, 57, 1-25.	4.1	490

#	ARTICLE	IF	CITATIONS
38	Design of Macroscopically Ordered Liquid Crystalline Hydrogel Columns Knitted with Nanosilver for Topical Applications. <i>Bioconjugate Chemistry</i> , 2017, 28, 1005-1015.	1.8	9
39	Nanoengineered Osteoinductive and Elastomeric Scaffolds for Bone Tissue Engineering. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 590-600.	2.6	91
40	Self-Supporting Nanoclay as Internal Scaffold Material for Direct Printing of Soft Hydrogel Composite Structures in Air. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 17456-17465.	4.0	183
41	Advances in engineering hydrogels. <i>Science</i> , 2017, 356, .	6.0	1,836
42	Nanodiamond-based injectable hydrogel for sustained growth factor release: Preparation, characterization and in vitro analysis. <i>Acta Biomaterialia</i> , 2017, 58, 479-491.	4.1	66
43	A highly adhesive and naturally derived sealant. <i>Biomaterials</i> , 2017, 140, 115-127.	5.7	188
44	Developing a tissue glue by engineering the adhesive and hemostatic properties of metal oxide nanoparticles. <i>Nanoscale</i> , 2017, 9, 8418-8426.	2.8	49
45	Platelet- μ Microcapsule Hybrids Leverage Contractile Force for Targeted Delivery of Hemostatic Agents. <i>ACS Nano</i> , 2017, 11, 5579-5589.	7.3	45
46	Nonswellable Injectable Hydrogels Self-Assembled Through Non-Covalent Interactions. <i>ChemistrySelect</i> , 2017, 2, 3009-3013.	0.7	7
47	Thermoresponsive hydrogels based on a phosphorylated star-shaped copolymer: mimicking the extracellular matrix for in situ bone repair. <i>Journal of Materials Chemistry B</i> , 2017, 5, 428-434.	2.9	18
48	Immuno-engineered organoids for regulating the kinetics of B-cell development and antibody production. <i>Nature Protocols</i> , 2017, 12, 168-182.	5.5	84
49	One-Step Fabrication of Biocompatible Multifaceted Nanocomposite Gels and Nanolayers. <i>Biomacromolecules</i> , 2017, 18, 386-397.	2.6	17
50	Weak bond-based injectable and stimuli responsive hydrogels for biomedical applications. <i>Journal of Materials Chemistry B</i> , 2017, 5, 887-906.	2.9	90
51	Nanohybrid hydrogels of laponite: PVA-Alginate as a potential wound healing material. <i>Carbohydrate Polymers</i> , 2017, 176, 392-401.	5.1	189
52	Injectable nanoengineered stimuli-responsive hydrogels for on-demand and localized therapeutic delivery. <i>Nanoscale</i> , 2017, 9, 15379-15389.	2.8	62
53	Flow-induced gelation of microfiber suspensions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E8557-E8564.	3.3	52
54	Controlling Adult Stem Cell Behavior Using Nanodiamond-Reinforced Hydrogel: Implication in Bone Regeneration Therapy. <i>Scientific Reports</i> , 2017, 7, 6577.	1.6	73
55	Tough adhesives for diverse wet surfaces. <i>Science</i> , 2017, 357, 378-381.	6.0	1,068

#	ARTICLE	IF	CITATIONS
56	Rapid Continuous Multimaterial Extrusion Bioprinting. <i>Advanced Materials</i> , 2017, 29, 1604630.	11.1	275
57	Concise Review: Organ Engineering: Design, Technology, and Integration. <i>Stem Cells</i> , 2017, 35, 51-60.	1.4	48
58	Nanoengineered Ionic-Covalent Entanglement (NICE) Bioinks for 3D Bioprinting. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 9957-9968.	4.0	192
59	Injectable shear-thinning hydrogels for delivering osteogenic and angiogenic cells and growth factors. <i>Biomaterials Science</i> , 2018, 6, 1604-1615.	2.6	59
60	Design and Application of Injectable Gels in Tissue Engineering and Drug Delivery. <i>Gels Horizons: From Science To Smart Materials</i> , 2018, , 311-339.	0.3	0
61	Polymer Gels. <i>Gels Horizons: From Science To Smart Materials</i> , 2018, , .	0.3	2
62	Nanoengineered injectable hydrogels for wound healing application. <i>Acta Biomaterialia</i> , 2018, 70, 35-47.	4.1	201
63	Nanocomposite injectable gels capable of self-replenishing regenerative extracellular microenvironments for <i>in vivo</i> tissue engineering. <i>Biomaterials Science</i> , 2018, 6, 550-561.	2.6	30
64	Stem cell-inspired secretome-rich injectable hydrogel to repair injured cardiac tissue. <i>Acta Biomaterialia</i> , 2018, 69, 95-106.	4.1	123
65	Clay nanoparticles for regenerative medicine and biomaterial design: A review of clay bioactivity. <i>Biomaterials</i> , 2018, 159, 204-214.	5.7	201
66	Blood-clotting mimetic behavior of biocompatible microgels. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 63, 117-123.	2.9	14
67	3D printing: prospects and challenges. , 2018, , 299-379.		8
68	Gradient nanocomposite hydrogels for interface tissue engineering. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 2465-2474.	1.7	81
69	Nanoengineered Colloidal Inks for 3D Bioprinting. <i>Langmuir</i> , 2018, 34, 917-925.	1.6	145
70	Synergy in thrombin-graphene sponge for improved hemostatic efficacy and facile utilization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 161, 27-34.	2.5	40
71	Network Topology in Soft Gels: Hardening and Softening Materials. <i>Langmuir</i> , 2018, 34, 773-781.	1.6	63
72	Biomaterials and Advanced Technologies for Hemostatic Management of Bleeding. <i>Advanced Materials</i> , 2018, 30, 1700859.	11.1	326
73	Recent development and biomedical applications of self-healing hydrogels. <i>Expert Opinion on Drug Delivery</i> , 2018, 15, 77-91.	2.4	108

#	ARTICLE	IF	CITATIONS
74	SD-chip enabled quantitative detection of HIV RNA using digital nucleic acid sequence-based amplification (dNASBA). <i>Lab on A Chip</i> , 2018, 18, 3501-3506.	3.1	36
75	Chitosan/rectorite nanocomposite with injectable functionality for skin hemostasis. <i>Journal of Materials Chemistry B</i> , 2018, 6, 6544-6549.	2.9	36
76	Tannic acid-loaded mesoporous silica for rapid hemostasis and antibacterial activity. <i>Biomaterials Science</i> , 2018, 6, 3318-3331.	2.6	104
77	Smart Shear-Thinning Hydrogels as Injectable Drug Delivery Systems. <i>Polymers</i> , 2018, 10, 1317.	2.0	52
78	Synthesis and Biomedical Applications of Self-healing Hydrogels. <i>Frontiers in Chemistry</i> , 2018, 6, 449.	1.8	158
79	Harnessing the Noncovalent Interactions of DNA Backbone with 2D Silicate Nanodisks To Fabricate Injectable Therapeutic Hydrogels. <i>ACS Nano</i> , 2018, 12, 9866-9880.	7.3	96
80	Nanocomposites used for drug delivery applications. , 2018, , 181-199.		1
81	Pre-vascularization in fibrin Gel/PLGA microsphere scaffolds designed for bone regeneration. <i>NPG Asia Materials</i> , 2018, 10, 827-839.	3.8	38
82	Oxidized regenerated cellulose cross-linked gelatin microparticles for rapid and biocompatible hemostasis: A versatile cross-linking agent. <i>Carbohydrate Polymers</i> , 2018, 200, 624-632.	5.1	31
83	Injectable Hemostat Composed of a Polyphosphate-Conjugated Hyaluronan Hydrogel. <i>Biomacromolecules</i> , 2018, 19, 3280-3290.	2.6	47
84	Electrospun nanosilicates-based organic/inorganic nanofibers for potential bone tissue engineering. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 172, 90-97.	2.5	60
85	Reversible p <i>K</i> _a Modulation of Carboxylic Acids in Temperature-Responsive Nanoparticles through Imprinted Electrostatic Interactions. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 31096-31105.	4.0	11
86	Nanosilicate embedded agarose hydrogels with improved bioactivity. <i>Carbohydrate Polymers</i> , 2018, 201, 105-112.	5.1	38
87	Magnesium aluminum silicate nanoparticles as a high-performance rheological modifier in water-based drilling fluids. <i>Applied Clay Science</i> , 2018, 161, 427-435.	2.6	48
88	Effect of ionic strength on shear-thinning nanoclay-polymer composite hydrogels. <i>Biomaterials Science</i> , 2018, 6, 2073-2083.	2.6	89
89	Temperature-Dependent Rheological and Viscoelastic Investigation of a Poly(2-methyl-2-oxazoline)-b-poly(2-iso-butyl-2-oxazoline)-b-poly(2-methyl-2-oxazoline)-Based Thermogelling Hydrogel. <i>Journal of Functional Biomaterials</i> , 2019, 10, 36.	1.8	36
90	Injectable mechanical pillows for attenuation of load-induced post-traumatic osteoarthritis. <i>International Journal of Energy Production and Management</i> , 2019, 6, 211-219.	1.9	21
91	Recent Progress of Polysaccharide-Based Hydrogel Interfaces for Wound Healing and Tissue Engineering. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900761.	1.9	222

#	ARTICLE	IF	CITATIONS
92	Development of a shear-thinning biomaterial as an endovascular embolic agent for the treatment of type B aortic dissection. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 99, 66-77.	1.5	6
93	A silk-based sealant with tough adhesion for instant hemostasis of bleeding tissues. <i>Nanoscale Horizons</i> , 2019, 4, 1333-1341.	4.1	104
94	Soft Self-Healing Nanocomposites. <i>Frontiers in Materials</i> , 2019, 6, .	1.2	44
95	Smart Hydrogels in Tissue Engineering and Regenerative Medicine. <i>Materials</i> , 2019, 12, 3323.	1.3	473
96	Two-dimensional nanomaterials: fascinating materials in biomedical field. <i>Science Bulletin</i> , 2019, 64, 1707-1727.	4.3	171
97	Peptide-immobilized starch/PEG sponge with rapid shape recovery and dual-function for both uncontrolled and noncompressible hemorrhage. <i>Acta Biomaterialia</i> , 2019, 99, 220-235.	4.1	64
98	Nanomaterials From Mixed-Layer Clay Minerals: Structure, Properties, and Functional Applications. , 2019, , 365-413.		2
99	Bioionic Liquid Conjugation as Universal Approach To Engineer Hemostatic Bioadhesives. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 38373-38384.	4.0	36
100	Tuning Gel State Properties of Supramolecular Gels by Functional Group Modification. <i>Molecules</i> , 2019, 24, 3472.	1.7	13
101	Flow behavior prior to crosslinking: The need for precursor rheology for placement of hydrogels in medical applications and for 3D bioprinting. <i>Progress in Polymer Science</i> , 2019, 91, 126-140.	11.8	129
102	Combined effect of Laponite and polymer molecular weight on the cell-interactive properties of synthetic PEO-based hydrogels. <i>Reactive and Functional Polymers</i> , 2019, 136, 95-106.	2.0	19
103	On the sensitivity of alginate rheology to composition. <i>Soft Matter</i> , 2019, 15, 159-165.	1.2	4
104	Sustained and Prolonged Delivery of Protein Therapeutics from Two-Dimensional Nanosilicates. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 6741-6750.	4.0	54
105	Hemostatic and hepatoprotective bioactivity of Junci Medulla Carbonisata-derived Carbon Dots. <i>Nanomedicine</i> , 2019, 14, 431-446.	1.7	34
106	The structure–property relationship in LAPONITE® materials: from Wigner glasses to strong self-healing hydrogels formed by non-covalent interactions. <i>Soft Matter</i> , 2019, 15, 1278-1289.	1.2	49
107	Hectorite: Synthesis, modification, assembly and applications. <i>Applied Clay Science</i> , 2019, 177, 114-138.	2.6	64
108	Thermoresponsive nanoemulsion-based gel synthesized through a low-energy process. <i>Nature Communications</i> , 2019, 10, 2749.	5.8	78
109	Recent Advances in Nanostructured Polymer Composites for Biomedical Applications. , 2019, , 21-52.		4

#	ARTICLE	IF	CITATIONS
110	Advances in Biomaterials and Technologies for Vascular Embolization. <i>Advanced Materials</i> , 2019, 31, e1901071.	11.1	133
111	Self-Healing Hydrogels: The Next Paradigm Shift in Tissue Engineering?. <i>Advanced Science</i> , 2019, 6, 1801664.	5.6	314
112	Injectable biomaterials for translational medicine. <i>Materials Today</i> , 2019, 28, 81-97.	8.3	82
113	Ultrafine Silver Nanoparticles Embedded in Cyclodextrin Metal-Organic Frameworks with GRGDS Functionalization to Promote Antibacterial and Wound Healing Application. <i>Small</i> , 2019, 15, e1901065.	5.2	109
114	Cytotoxicity, bactericidal and hemostatic evaluation of oxidized cellulose microparticles: Structure and oxidation degree approach. <i>Carbohydrate Polymers</i> , 2019, 219, 87-94.	5.1	32
115	A strongly adhesive hemostatic hydrogel for the repair of arterial and heart bleeds. <i>Nature Communications</i> , 2019, 10, 2060.	5.8	517
116	Cuboidal tethered cyclodextrin frameworks tailored for hemostasis and injured vessel targeting. <i>Theranostics</i> , 2019, 9, 2489-2504.	4.6	34
117	Bioprinting a Synthetic Smectic Clay for Orthopedic Applications. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900158.	3.9	36
118	2D Nanoclay for Biomedical Applications: Regenerative Medicine, Therapeutic Delivery, and Additive Manufacturing. <i>Advanced Materials</i> , 2019, 31, e1900332.	11.1	237
119	Tranexamic acid-loaded starch hemostatic microspheres. <i>RSC Advances</i> , 2019, 9, 6245-6253.	1.7	23
120	Injectable chitosan-nano bioglass composite hemostatic hydrogel for effective bleeding control. <i>International Journal of Biological Macromolecules</i> , 2019, 129, 936-943.	3.6	73
121	3D-printed bioactive scaffolds from nanosilicates and PEOT/PBT for bone tissue engineering. <i>International Journal of Energy Production and Management</i> , 2019, 6, 29-37.	1.9	30
122	A review on nanocomposite hydrogels and their biomedical applications. <i>Science and Engineering of Composite Materials</i> , 2019, 26, 154-174.	0.6	124
123	Electrospinning of nanocomposite nanofibers from cyclodextrin and laponite. <i>Composites Communications</i> , 2019, 12, 33-38.	3.3	19
124	Minimally Invasive and Regenerative Therapeutics. <i>Advanced Materials</i> , 2019, 31, e1804041.	11.1	112
125	Sponge-like chitosan-based nanostructured antibacterial material as a topical hemostat. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47522.	1.3	31
126	Micro- and nano-formulations for bioprinting and additive manufacturing. <i>Drug Discovery Today</i> , 2019, 24, 163-178.	3.2	20
127	General Principle for Fabricating Natural Globular Protein-Based Double-Network Hydrogels with Integrated Highly Mechanical Properties and Surface Adhesion on Solid Surfaces. <i>Chemistry of Materials</i> , 2019, 31, 179-189.	3.2	102

#	ARTICLE	IF	CITATIONS
128	Recent advances in shear-thinning and self-healing hydrogels for biomedical applications. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48668.	1.3	192
129	Hydrogel Biopink Reinforcement for Additive Manufacturing: A Focused Review of Emerging Strategies. <i>Advanced Materials</i> , 2020, 32, e1902026.	11.1	377
130	Puff pastry-like chitosan/konjac glucomannan matrix with thrombin-occupied microporous starch particles as a composite for hemostasis. <i>Carbohydrate Polymers</i> , 2020, 232, 115814.	5.1	46
131	An adhesive and injectable nanocomposite hydrogel of thiolated gelatin/gelatin methacrylate/Laponite® as a potential surgical sealant. <i>Journal of Colloid and Interface Science</i> , 2020, 564, 155-169.	5.0	122
132	Injectable supramolecular polymer-nanoparticle hydrogels enhance human mesenchymal stem cell delivery. <i>Bioengineering and Translational Medicine</i> , 2020, 5, e10147.	3.9	55
133	Bioinspired Mineral-Organic Bone Adhesives for Stable Fracture Fixation and Accelerated Bone Regeneration. <i>Advanced Functional Materials</i> , 2020, 30, 1908381.	7.8	130
134	Injectable and Radiopaque Liquid Metal/Calcium Alginate Hydrogels for Endovascular Embolization and Tumor Embolotherapy. <i>Small</i> , 2020, 16, e1903421.	5.2	84
135	Integrated Wound Recognition in Bandages for Intelligent Treatment. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000941.	3.9	20
136	Hemostatic nanotechnologies for external and internal hemorrhage management. <i>Biomaterials Science</i> , 2020, 8, 4396-4412.	2.6	49
137	Emerging bio-applications of two-dimensional nanoheterostructure materials. , 2020, , 243-255.		5
138	<p><p>Nano-Silicate-Reinforced and SDF-1±-Loaded Gelatin-Methacryloyl Hydrogel for Bone Tissue Engineering<p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 9337-9353.	3.3	25
139	Facile Construction of Chitin/Graphene Nanocomposite Sponges for Efficient Hemostasis. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 18377-18385.	3.2	21
140	Neuropeptide Substance P Released from a Nonswellable Laponite-Based Hydrogel Enhances Wound Healing in a Tissue-Engineered Skin In Vitro. <i>ACS Applied Polymer Materials</i> , 2020, 2, 5790-5797.	2.0	11
141	Fabrication of Chitosan-Reinforced Multifunctional Graphene Nanocomposite as Antibacterial Scaffolds for Hemorrhage Control and Wound-Healing Application. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 5911-5929.	2.6	41
142	Polymeric Hydrogel Systems as Emerging Biomaterial Platforms to Enable Hemostasis and Wound Healing. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000905.	3.9	194
143	Blood-Derived Biomaterial for Catheter-Directed Arterial Embolization. <i>Advanced Materials</i> , 2020, 32, e2005603.	11.1	12
144	Research status and development potential of composite hemostatic materials. <i>Journal of Materials Chemistry B</i> , 2020, 8, 5395-5410.	2.9	61
145	Bioactive-Tissue-Derived Nanocomposite Hydrogel for Permanent Arterial Embolization and Enhanced Vascular Healing. <i>Advanced Materials</i> , 2020, 32, e2002611.	11.1	34

#	ARTICLE	IF	CITATIONS
146	Alginate-based composite microspheres coated by berberine simultaneously improve hemostatic and antibacterial efficacy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 194, 111168.	2.5	41
147	Future prospects and commercial viability of two-dimensional nanostructures for biomedical technology. , 2020, , 281-302.		3
148	The recent progress of tissue adhesives in design strategies, adhesive mechanism and applications. <i>Materials Science and Engineering C</i> , 2020, 111, 110796.	3.8	69
149	An engineered cell-laden adhesive hydrogel promotes craniofacial bone tissue regeneration in rats. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	199
150	Engineered hydrogels for brain tumor culture and therapy. <i>Bio-Design and Manufacturing</i> , 2020, 3, 203-226.	3.9	24
151	Advancing bioinks for 3D bioprinting using reactive fillers: A review. <i>Acta Biomaterialia</i> , 2020, 113, 1-22.	4.1	141
152	Engineered biomaterials for in situ tissue regeneration. <i>Nature Reviews Materials</i> , 2020, 5, 686-705.	23.3	420
153	Copolymer/Clay Nanocomposites for Biomedical Applications. <i>Advanced Functional Materials</i> , 2020, 30, 1908101.	7.8	115
154	In-vitro and in-vivo evaluation of modified sodium starch glycolate for exploring its haemostatic potential. <i>Carbohydrate Polymers</i> , 2020, 235, 115975.	5.1	8
155	Bioprinting 101: Design, Fabrication, and Evaluation of Cell-Laden 3D Bioprinted Scaffolds. <i>Tissue Engineering - Part A</i> , 2020, 26, 318-338.	1.6	104
156	Synthesis of Injectable Shearâ€¢Thinning Biomaterials of Various Compositions of Gelatin and Synthetic Silicate Nanoplatelet. <i>Biotechnology Journal</i> , 2020, 15, e1900456.	1.8	25
157	Synthesis, characterization and study of covalently modified triazole LAPONITEÂ® edges. <i>Applied Clay Science</i> , 2020, 187, 105489.	2.6	19
158	Skin-Inspired Multifunctional Luminescent Hydrogel Containing Layered Rare-Earth Hydroxide with 3D Printability for Human Motion Sensing. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 6797-6805.	4.0	33
159	Emerging embolic agents in endovascular embolization: an overview. <i>Progress in Biomedical Engineering</i> , 2020, 2, 012003.	2.8	27
160	Inorganic Biomaterials for Regenerative Medicine. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 5319-5344.	4.0	135
161	Design Considerations for Hydrogel Wound Dressings: Strategic and Molecular Advances. <i>Tissue Engineering - Part B: Reviews</i> , 2020, 26, 230-248.	2.5	153
162	Cellulose Nanocrystal Reinforced Collagen-Based Nanocomposite Hydrogel with Self-Healing and Stress-Relaxation Properties for Cell Delivery. <i>Biomacromolecules</i> , 2020, 21, 2400-2408.	2.6	73
163	Nanoclay-based 3D printed scaffolds promote vascular ingrowth ex vivo and generate bone mineral tissue in vitro and in vivo. <i>Biofabrication</i> , 2020, 12, 035010.	3.7	73

#	ARTICLE	IF	CITATIONS
164	Nanocomposite Hydrogel with Tantalum Microparticles for Rapid Endovascular Hemostasis. <i>Advanced Science</i> , 2021, 8, 2003327.	5.6	23
165	Polydopamine coated ZnO rod-shaped nanoparticles with noticeable biocompatibility, hemostatic and antibacterial activity. <i>Nano Structures Nano Objects</i> , 2021, 25, 100639.	1.9	31
166	Biomolecule-assisted synthesis of biomimetic nanocomposite hydrogel for hemostatic and wound healing applications. <i>Green Chemistry</i> , 2021, 23, 629-669.	4.6	56
167	Engineering 3D-printed core-shell hydrogel scaffolds reinforced with hybrid hydroxyapatite/polycaprolactone nanoparticles for <i>in vivo</i> bone regeneration. <i>Biomaterials Science</i> , 2021, 9, 4019-4039.	2.6	23
168	Incorporation of Bioglass Improved the Mechanical Stability and Bioactivity of Alginate/Carboxymethyl Chitosan Hydrogel Wound Dressing. <i>ACS Applied Bio Materials</i> , 2021, 4, 1677-1692.	2.3	34
169	Hybrid Nanosystems for Biomedical Applications. <i>ACS Nano</i> , 2021, 15, 2099-2142.	7.3	100
170	Silk-based hybrid microfibrinous mats as guided bone regeneration membranes. <i>Journal of Materials Chemistry B</i> , 2021, 9, 2025-2032.	2.9	24
171	Minerals in Pharmacy and Cosmetics. , 2021, , 405-441.		2
172	Bionanocomposite hydrogels for regenerative medicine and biomedical applications. , 2021, , 91-118.		1
173	Multifunctional hydrogels for wound healing: Special focus on biomacromolecular based hydrogels. <i>International Journal of Biological Macromolecules</i> , 2021, 170, 728-750.	3.6	151
174	Injectable Self-Healing Hydrogel Wound Dressing with Cysteine-Specific On-Demand Dissolution Property Based on Tandem Dynamic Covalent Bonds. <i>Advanced Functional Materials</i> , 2021, 31, 2011230.	7.8	130
175	Supramolecular engineering of hydrogels for drug delivery. <i>Advanced Drug Delivery Reviews</i> , 2021, 171, 240-256.	6.6	164
176	Biomimetic nanoengineered scaffold for enhanced full-thickness cutaneous wound healing. <i>Acta Biomaterialia</i> , 2021, 124, 191-204.	4.1	72
177	Hemostatic Self-Healing Hydrogel with Excellent Biocompatibility Composed of Polyphosphate-Conjugated Functional PNIPAM-Bearing Acylhydrazide. <i>Biomacromolecules</i> , 2021, 22, 2272-2283.	2.6	35
178	Graphene Quantum Dots for Fluorescent Labeling of Gelatin-Based Shear-Thinning Hydrogels. <i>Advanced NanoBiomed Research</i> , 2021, 1, 2000113.	1.7	6
179	Multifaceted Design and Emerging Applications of Tissue Adhesives. <i>Advanced Materials</i> , 2021, 33, e2007663.	11.1	117
180	Ultrafast Self-Gelling and Wet Adhesive Powder for Acute Hemostasis and Wound Healing. <i>Advanced Functional Materials</i> , 2021, 31, 2102583.	7.8	146
181	Development of Nanosilicate-Hydrogel Composites for Sustained Delivery of Charged Biopharmaceuticals. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 27880-27894.	4.0	12

#	ARTICLE	IF	CITATIONS
182	Nanoclay Suspension-Enabled Extrusion Bioprinting of Three-Dimensional Soft Structures. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2021, 143, .	1.3	13
183	Snake extractâ€laden hemostatic bioadhesive gel cross-linked by visible light. <i>Science Advances</i> , 2021, 7, .	4.7	96
184	An Injectable Hybrid Gelatin Methacryloyl (GelMA)/Phenyl Isothiocyanate-Modified Gelatin (Gel-Phe) Bioadhesive for Oral/Dental Hemostasis Applications. <i>Polymers</i> , 2021, 13, 2386.	2.0	16
185	The biomedical significance of multifunctional nanobiomaterials: The key components for site-specific delivery of therapeutics. <i>Life Sciences</i> , 2021, 277, 119400.	2.0	7
186	Tranexamic acidâ€loaded hemostatic nanoclay microsphere frameworks. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2022, 110, 422-430.	1.6	4
187	Highly Stretchable Nanocomposite Hydrogels with Outstanding Antifatigue Fracture Based on Robust Noncovalent Interactions for Wound Healing. <i>Chemistry of Materials</i> , 2021, 33, 6453-6463.	3.2	53
188	An imidazolium-based supramolecular gelator enhancing interlayer adhesion in 3D printed dual network hydrogels. <i>Materials and Design</i> , 2021, 206, 109792.	3.3	10
189	An injectable, dual crosslinkable hybrid pectin methacrylate (PECMA)/gelatin methacryloyl (GelMA) hydrogel for skin hemostasis applications. <i>International Journal of Biological Macromolecules</i> , 2021, 185, 441-450.	3.6	46
190	Engineering nanocomposite hydrogels using dynamic bonds. <i>Acta Biomaterialia</i> , 2021, 130, 66-79.	4.1	43
191	Fabrication of Fe ₃ O ₄ @PVA microspheres by one-step electrospray for magnetic resonance imaging during transcatheter arterial embolization. <i>Acta Biomaterialia</i> , 2021, 131, 532-543.	4.1	27
192	Biomedical Applications of Laponiteâ€Based Nanomaterials and Formulations. <i>Springer Proceedings in Physics</i> , 2022, , 385-452.	0.1	7
193	Electrical stimulation of neonatal rat cardiomyocytes using conductive polydopamine-reduced graphene oxide-hybrid hydrogels for constructing cardiac microtissues. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 205, 111844.	2.5	46
194	Synthetic hydrogels as blood clot mimicking wound healing materials. <i>Progress in Biomedical Engineering</i> , 2021, 3, 042006.	2.8	11
195	Recent progress in multifunctional hydrogel-based supercapacitors. <i>Journal of Science: Advanced Materials and Devices</i> , 2021, 6, 338-350.	1.5	19
196	A mouse model of hypoplastic left heart syndrome demonstrating left heart hypoplasia and retrograde aortic arch flow. <i>DMM Disease Models and Mechanisms</i> , 2021, 14, .	1.2	13
197	Advances in bioactive glass-containing injectable hydrogel biomaterials for tissue regeneration. <i>Acta Biomaterialia</i> , 2021, 136, 1-36.	4.1	61
198	Corn stalk/AgNPs modified chitin composite hemostatic sponge with high absorbency, rapid shape recovery and promoting wound healing ability. <i>Chemical Engineering Journal</i> , 2021, 421, 129815.	6.6	63
199	Injectable hydrogels for vascular embolization and cell delivery: The potential for advances in cerebral aneurysm treatment. <i>Biomaterials</i> , 2021, 277, 121109.	5.7	13

#	ARTICLE	IF	CITATIONS
200	Facile extrusion 3D printing of gelatine methacrylate/Laponite nanocomposite hydrogel with high concentration nanoclay for bone tissue regeneration. <i>International Journal of Biological Macromolecules</i> , 2021, 188, 72-81.	3.6	45
201	Collagen-based biomaterials for bone tissue engineering. <i>Materials and Design</i> , 2021, 210, 110049.	3.3	90
202	Engineering air-in-water emulsion as adaptable multifunctional sealant. <i>Chemical Engineering Journal</i> , 2022, 429, 132200.	6.6	8
203	Systematic studies on blood coagulation mechanisms of halloysite nanotubes-coated PET dressing as superior topical hemostatic agent. <i>Chemical Engineering Journal</i> , 2022, 428, 132049.	6.6	60
204	Magnetic liquid metal loaded nano-in-micro spheres as fully flexible theranostic agents for SMART embolization. <i>Nanoscale</i> , 2021, 13, 8817-8836.	2.8	39
205	Recent developments in mussel-inspired materials for biomedical applications. <i>Biomaterials Science</i> , 2021, 9, 6653-6672.	2.6	42
206	Exploiting the role of nanoparticles for use in hydrogel-based bioprinting applications: concept, design, and recent advances. <i>Biomaterials Science</i> , 2021, 9, 6337-6354.	2.6	36
207	Advances in biomedical applications of self-healing hydrogels. <i>Materials Chemistry Frontiers</i> , 2021, 5, 4368-4400.	3.2	51
208	Nanocomposite hydrogels for tissue engineering applications. , 2020, , 499-528.		5
209	Advanced hybrid nanomaterials for biomedical applications. <i>Progress in Materials Science</i> , 2020, 114, 100686.	16.0	140
210	Non-Destructive Mechanical Assessment and Optimization of 3D Bioprinted Soft Tissue Scaffolds. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
211	Nanoengineered Shear-Thinning Hydrogel Barrier for Preventing Postoperative Abdominal Adhesions. <i>Nano-Micro Letters</i> , 2021, 13, 212.	14.4	28
212	Liquid embolic agents for interventional embolization. <i>ChemPhysMater</i> , 2022, 1, 39-50.	1.4	4
213	Chitosan and Laponite: a meta-analysis on their applications. <i>Research, Society and Development</i> , 2021, 10, e132101320903.	0.0	0
214	Tannic acid/clay hydrogel with time-dependent mechanical and adhesive performance enabled by molecular interaction evolution. <i>Polymer</i> , 2021, 235, 124261.	1.8	1
215	Deoxyribonucleic acid polymer nanoparticle hydrogels. <i>Chemical Communications</i> , 2021, 57, 12111-12114.	2.2	4
216	MicroRNA-1825 induces proliferation of adult cardiomyocytes and promotes cardiac regeneration post ischemic injury. <i>American Journal of Translational Research (discontinued)</i> , 2017, 9, 3120-3137.	0.0	26
217	Bioinspired, injectable, tissue-adhesive and antibacterial hydrogel for multiple tissue regeneration by minimally invasive therapy. <i>Applied Materials Today</i> , 2022, 26, 101290.	2.3	23

#	ARTICLE	IF	CITATIONS
218	Silicate-Based Electro-Conductive Inks for Printing Soft Electronics and Tissue Engineering. Gels, 2021, 7, 240.	2.1	6
219	Injectable Hydrogel Capable of In Situ Covalent Crosslinking for Permanent Embolization. ACS Applied Materials & Interfaces, 2021, 13, 56988-56999.	4.0	6
220	Photocrosslinked gelatin hydrogel improves wound healing and skin flap survival by the sustained release of basic fibroblast growth factor. Scientific Reports, 2021, 11, 23094.	1.6	27
221	Engineering a naturally derived hemostatic sealant for sealing internal organs. Materials Today Bio, 2022, 13, 100199.	2.6	26
222	Smart/stimuli-responsive hydrogels: Cutting-edge platforms for tissue engineering and other biomedical applications. Materials Today Bio, 2022, 13, 100186.	2.6	129
223	Laponite-Based Nanomaterials for Drug Delivery. Advanced Healthcare Materials, 2022, 11, e2102054.	3.9	48
224	Bioink Rheology Regulates Stability of Bioprinted Strands. Journal of Biomechanical Engineering, 2022, , .	0.6	0
225	pH-Responsive doxorubicin delivery using shear-thinning biomaterials for localized melanoma treatment. Nanoscale, 2022, 14, 350-360.	2.8	15
226	Supramolecular Reinforcement of Polymer-Nanoparticle Hydrogels for Modular Materials Design. Advanced Materials, 2022, 34, e2106941.	11.1	28
227	Macroporous Adhesive Nano-Enabled Hydrogels Generated from Air-in-Water Emulsions. Macromolecular Bioscience, 2022, 22, e2100491.	2.1	9
228	3D bioprintable methacrylated carrageenan/sodium alginate dual network hydrogel for vascular tissue engineering scaffolding. International Journal of Polymeric Materials and Polymeric Biomaterials, 2023, 72, 550-560.	1.8	6
229	Engineered Clay Nanomaterials for Biomedical Applications. Nanotechnology in the Life Sciences, 2022, , 277-314.	0.4	1
230	Classification of nanomaterials and their physical and chemical nature. , 2022, , 7-34.		1
231	Chinese Medicinal Herb-Derived Carbon Dots for Common Diseases: Efficacies and Potential Mechanisms. Frontiers in Pharmacology, 2022, 13, 815479.	1.6	13
232	Biomaterials for Hemostasis. Annual Review of Biomedical Engineering, 2022, 24, 111-135.	5.7	20
233	Recent Advances in Polymer Additive Engineering for Diagnostic and Therapeutic Hydrogels. International Journal of Molecular Sciences, 2022, 23, 2955.	1.8	6
234	Bioactive inorganic particles-based biomaterials for skin tissue engineering. Exploration, 2022, 2, .	5.4	41
235	Unscrambling the Influence of Sodium Cation on the Structure, Bioactivity, and Erythrocyte Compatibility of 45S5 Bioactive Glass. ACS Applied Bio Materials, 2022, 5, 1576-1590.	2.3	12

#	ARTICLE	IF	CITATIONS
236	A review of treatments for non-compressible torso hemorrhage (NCTH) and internal bleeding. <i>Biomaterials</i> , 2022, 283, 121432.	5.7	19
237	Assessing the aneurysm occlusion efficacy of a shear-thinning biomaterial in a 3D-printed model. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022, 130, 105156.	1.5	3
238	Hydrogel-Based Biomaterials Engineered from Natural-Derived Polysaccharides and Proteins for Hemostasis and Wound Healing. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 780187.	2.0	29
239	Adhesive Hemostatic Hydrogel with Ultrafast Gelation Arrests Acute Upper Gastrointestinal Hemorrhage in Pigs. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	48
240	Dual crosslinking hydrogels with tunable injectability and stability for bone repair. <i>Journal of Materials Chemistry B</i> , 2022, 10, 4386-4394.	2.9	5
241	Non-destructive mechanical assessment for optimization of 3D bioprinted soft tissue scaffolds. <i>IScience</i> , 2022, 25, 104251.	1.9	8
242	Shape-Recoverable Macroporous Nanocomposite Hydrogels Created via Ice Templating Polymerization for Noncompressible Wound Hemorrhage. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 2076-2087.	2.6	5
243	A short review on chitosan and gelatin-based hydrogel composite polymers for wound healing. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2022, 33, 1595-1622.	1.9	16
244	Development of Biodegradable Osteopromotive Citrate-Based Bone Putty. <i>Small</i> , 2022, 18, .	5.2	9
245	Engineered Hemostatic Biomaterials for Sealing Wounds. <i>Chemical Reviews</i> , 2022, 122, 12864-12903.	23.0	79
246	Emerging Polymer Materials in Trackable Endovascular Embolization and Cell Delivery: From Hype to Hope. <i>Biomimetics</i> , 2022, 7, 77.	1.5	2
247	Recent progress in liquid embolic agents. <i>Biomaterials</i> , 2022, 287, 121634.	5.7	10
248	A Bionic Self-Assembly Hydrogel Constructed by Peptides With Favorable Biosecurity, Rapid Hemostasis and Antibacterial Property for Wound Healing. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 10, .	2.0	8
249	Shear-thinning and self-healing chitosan-graphene oxide hydrogel for hemostasis and wound healing. <i>Carbohydrate Polymers</i> , 2022, 294, 119824.	5.1	56
250	Phase-Transitional Bismuth-Based Metals enable Rapid Embolotherapy, Hyperthermia, and Biomedical Imaging. <i>Advanced Materials</i> , 2022, 34, .	11.1	15
251	A Shear-Thinning Biomaterial-Mediated Immune Checkpoint Blockade. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 35309-35318.	4.0	8
252	Recent Advances in Nano-Formulations for Skin Wound Repair Applications. <i>Drug Design, Development and Therapy</i> , 0, Volume 16, 2707-2728.	2.0	9
253	Injectable magnetic montmorillonite colloidal gel for the postoperative treatment of hepatocellular carcinoma. <i>Journal of Nanobiotechnology</i> , 2022, 20, .	4.2	5

#	ARTICLE	IF	CITATIONS
254	Underwater instant adhesion mechanism of self-assembled amphiphilic hemostatic granular hydrogel from <i>Andrias davidianus</i> skin secretion. <i>IScience</i> , 2022, 25, 105106.	1.9	9
255	The preparation of lactoferrin/magnesium silicate lithium injectable hydrogel and application in promoting wound healing. <i>International Journal of Biological Macromolecules</i> , 2022, 220, 1501-1511.	3.6	5
256	Nanoclays in medicine: a new frontier of an ancient medical practice. <i>Materials Advances</i> , 2022, 3, 7484-7500.	2.6	11
257	Protein-organic hybrid porous scaffolds for bone tissue engineering. <i>Journal of Materials Chemistry B</i> , 2022, 10, 6546-6556.	2.9	5
258	Hydrogels for localized drug delivery: A special emphasis on dermatologic applications. <i>Dermatologic Therapy</i> , 2022, 35, .	0.8	4
259	Clay-Based Nanocomposite Hydrogels for Biomedical Applications: A Review. <i>Nanomaterials</i> , 2022, 12, 3308.	1.9	9
260	A Cohesive Shear-Thinning Biomaterial for Catheter-Based Minimally Invasive Therapeutics. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 42852-42863.	4.0	5
261	Sodium Phytate-incorporated Gelatin-silicate Nanoplatelet Composites for Enhanced Cohesion and Hemostatic Function of Shear-thinning Biomaterials. <i>Macromolecular Bioscience</i> , 2023, 23, .	2.1	3
262	Gluing blood into gel by electrostatic interaction using a water-soluble polymer as an embolic agent. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	3
264	Nanoparticle-Reinforced Tough Hydrogel as a Versatile Platform for Pharmaceutical Drug Delivery: Preparation and <i>in Vitro</i> Characterization. <i>Molecular Pharmaceutics</i> , 2023, 20, 767-774.	2.3	10
265	Piezoelectric MoS ₂ Nanoflowers (NF's) for Targeted Cancer Therapy by Gelatin-based Shear Thinning Hydrogels. <i>In vitro and In vivo trials. Reactive and Functional Polymers</i> , 2022, 181, 105435.	2.0	3
266	Emerging materials for hemostasis. <i>Coordination Chemistry Reviews</i> , 2023, 475, 214823.	9.5	31
267	An injectable bioactive dressing based on platelet-rich plasma and nanoclay: Sustained release of deferoxamine to accelerate chronic wound healing. <i>Acta Pharmaceutica Sinica B</i> , 2023, 13, 4318-4336.	5.7	6
268	Multistimuli-Responsive PNIPAM-Based Double Cross-Linked Conductive Hydrogel with Self-Recovery Ability for Ionic Skin and Smart Sensor. <i>Biomacromolecules</i> , 2022, 23, 5239-5252.	2.6	6
269	PEG-mediated hybrid hemostatic gauze with in-situ growth and tightly-bound mesoporous silicon. , 2022, 143, 213179.		3
270	Thermoresponsive shear-thinning hydrogel (T-STH) hemostats for minimally invasive treatment of external hemorrhages. <i>Biomaterials Science</i> , 2023, 11, 949-963.	2.6	4
271	Tissue adhesive hemostatic microneedle arrays for rapid hemorrhage treatment. <i>Bioactive Materials</i> , 2023, 23, 314-327.	8.6	27
272	Silicate Clay-Hydrogel Nanoscale Composites for Sustained Delivery of Small Molecules. <i>ACS Applied Nano Materials</i> , 2022, 5, 18940-18954.	2.4	7

#	ARTICLE	IF	CITATIONS
273	Biomimetic Natural Biopolymer-Based Wet-Tissue Adhesive for Tough Adhesion, Seamless Sealed, Emergency/Nonpressing Hemostasis, and Promoted Wound Healing. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	35
274	Nanosheet-based hydrogel composites: from preparation and fundamental properties to their promising applications. <i>Soft Matter</i> , 2023, 19, 1465-1481.	1.2	5
275	Biocompatible dual network bovine serum albumin-loaded hydrogel-accelerates wound healing. <i>European Polymer Journal</i> , 2023, 185, 111820.	2.6	1
276	Peptide and protein-based hydrogels. , 2023, , 137-173.		1
277	Nano-enabled DNA supramolecular sealant for soft tissue surgical applications. <i>Nano Today</i> , 2023, 50, 101825.	6.2	5
278	Progressive use of nanocomposite hydrogels materials for regeneration of damaged cartilage and their tribological mechanical properties. <i>Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanomaterials, Nanoengineering and Nanosystems</i> , 0, , 239779142311514.	0.5	2
279	Liquid Metal-Enabled Microspheres with High Drug Loading and Multimodal Imaging for Artery Embolization. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	7
280	Recent Progress in Advanced Hydrogel-Based Embolic Agents: From Rational Design Strategies to Improved Endovascular Embolization. <i>Advanced Healthcare Materials</i> , 2023, 12, .	3.9	4