

Highly Stretchable and Biocompatible Strain Sensors Based on Super-Adhesive Self-Healing Hydrogels for Human Motion Monitoring

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Citation Report

#	ARTICLE	IF	CITATIONS
5	Tough and tissue-adhesive polyacrylamide/collagen hydrogel with dopamine-grafted oxidized sodium alginate as crosslinker for cutaneous wound healing. <i>RSC Advances</i> , 2018, 8, 42123-42132.	1.7	69
6	Spectrally Selective Smart Window with High Near-Infrared Light Shielding and Controllable Visible Light Transmittance. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 39819-39827.	4.0	136
7	Muscle-Inspired Highly Anisotropic, Strong, Ion-Conductive Hydrogels. <i>Advanced Materials</i> , 2018, 30, e1801934.	11.1	408
8	Ultrafast Self-Healing and Injectable Conductive Hydrogel for Strain and Pressure Sensors. <i>Advanced Materials Technologies</i> , 2019, 4, 1900346.	3.0	56
9	Bioadhesive functional hydrogels: Controlled release of catechol species with antioxidant and antiinflammatory behavior. <i>Materials Science and Engineering C</i> , 2019, 105, 110040.	3.8	55
10	Nucleotide-Regulated Tough and Rapidly Self-Recoverable Hydrogels for Highly Sensitive and Durable Pressure and Strain Sensors. <i>Chemistry of Materials</i> , 2019, 31, 5881-5889.	3.2	85
11	High-strength and physical cross-linked nanocomposite hydrogel with clay nanotubes for strain sensor and dye adsorption application. <i>Composites Science and Technology</i> , 2019, 181, 107701.	3.8	42
12	Mussel-Inspired Cell/Tissue-Adhesive, Hemostatic Hydrogels for Tissue Engineering Applications. <i>ACS Omega</i> , 2019, 4, 12647-12656.	1.6	73
13	Highly Stretchable and Self-Healing Strain Sensors Based on Nanocellulose-Supported Graphene Dispersed in Electro-Conductive Hydrogels. <i>Nanomaterials</i> , 2019, 9, 937.	1.9	112
14	Theoretical Model for Prediction of Durable Life of RC Square Piles under Marine Environment. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 304, 052100.	0.2	0
15	Multi-stimuli-responsive poly(hydroxyethyl methacrylate-co-N-vinyl pyrrolidone-co-methacrylic) Iranian Polymer Journal (English Edition), 2019, 28, 957-967.	1.3	6
16	Applications of Highly Stretchable and Tough Hydrogels. <i>Polymers</i> , 2019, 11, 1773.	2.0	24
17	Properties of conductive polymer hydrogels and their application in sensors. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019, 57, 1606-1621.	2.4	71
18	Highly sensitive and wearable gel-based sensors with a dynamic physically cross-linked structure for strain-stimulus detection over a wide temperature range. <i>Journal of Materials Chemistry C</i> , 2019, 7, 11303-11314.	2.7	65
19	A transparent, stretchable, stable, self-adhesive ionogel-based strain sensor for human motion monitoring. <i>Journal of Materials Chemistry C</i> , 2019, 7, 11244-11250.	2.7	90
20	Bio-Integrated Wearable Systems: A Comprehensive Review. <i>Chemical Reviews</i> , 2019, 119, 5461-5533.	23.0	822
21	Multiple Weak H-Bonds Lead to Highly Sensitive, Stretchable, Self-Adhesive, and Self-Healing Ionic Sensors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 7755-7763.	4.0	264
22	An integrated transparent, UV-filtering organohydrogel sensor via molecular-level ion conductive channels. <i>Journal of Materials Chemistry A</i> , 2019, 7, 4525-4535.	5.2	143

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24	Engineered <i>Bacillus subtilis</i> biofilms as living glues. <i>Materials Today</i> , 2019, 28, 40-48.	8.3	72
25	Stretchable, Injectable, and Self-Healing Conductive Hydrogel Enabled by Multiple Hydrogen Bonding toward Wearable Electronics. <i>Chemistry of Materials</i> , 2019, 31, 4553-4563.	3.2	321
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30	Transparent and conductive amino acid-tackified hydrogels as wearable strain sensors. <i>Chemical Engineering Journal</i> , 2019, 375, 121915.	6.6	96
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35	Polypyrrole-Doped Conductive Supramolecular Elastomer with Stretchability, Rapid Self-Healing, and Adhesive Property for Flexible Electronic Sensors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 18720-18729.	4.0	135
36	Development of Adhesive and Conductive Resilin-Based Hydrogels for Wearable Sensors. <i>Biomacromolecules</i> , 2019, 20, 3283-3293.	2.6	64
37	Synthesis of a novel anti-freezing, non-drying antibacterial hydrogel dressing by one-pot method. <i>Chemical Engineering Journal</i> , 2019, 372, 216-225.	6.6	111
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39	Combining High Sensitivity and Dynamic Range: Wearable Thin-Film Composite Strain Sensors of Graphene, Ultrathin Palladium, and PEDOT:PSS. <i>ACS Applied Nano Materials</i> , 2019, 2, 2222-2229.	2.4	58
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57	Bioinspired 2D Nanomaterials for Sustainable Applications. <i>Advanced Materials</i> , 2020, 32, e1902806.	11.1	84
58	Conductive and superhydrophobic F-rGO@CNTs/chitosan aerogel for piezoresistive pressure sensor. <i>Chemical Engineering Journal</i> , 2020, 386, 123998.	6.6	125

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65	Development of high-strength, tough, and self-healing carboxymethyl guar gum-based hydrogels for human motion detection. <i>Journal of Materials Chemistry C</i> , 2020, 8, 900-908.	2.7	60
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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135	A Highly Adhesive and Self-Healing Elastomer for Bio-Interfacial Electrode. <i>Advanced Functional Materials</i> , 2021, 31, .	7.8	91
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140	Salt-mediated triple shape-memory ionic conductive polyampholyte hydrogel for wearable flexible electronics. <i>Journal of Materials Chemistry A</i> , 2021, 9, 1048-1061.	5.2	78
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143	Thin Ag films adhesive onto flexible substrates with excellent properties for multi-application. <i>Journal of Applied Polymer Science</i> , 2021, 138, 49806.	1.3	3
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#	ARTICLE	IF	CITATIONS
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