

Hydrogel bioelectronics

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Citation Report

#	ARTICLE	IF	CITATIONS
1	One-Step Preparation of a Highly Stretchable, Conductive, and Transparent Poly(vinyl alcohol)-Phytic Acid Hydrogel for Casual Writing Circuits. ACS Applied Materials & Interfaces, 2019, 11, 32441-32448.	4.0	106
2	Mechanical Strengths of Hydrogels of Poly(Dimethylacrylamide)/Alginate with IPN and of Poly(Dimethylacrylamide)/Chitosan with Semi-IPN Microstructures. Macromolecular Materials and Engineering, 2019, 304, 1900309.	1.7	7
3	Modularized Field-Effect Transistor Biosensors. Nano Letters, 2019, 19, 6658-6664.	4.5	38
4	Highly Photostable and Two-Photon Active Quantum Dot-Polymer Multicolor Hybrid Coacervate Droplets. Langmuir, 2019, 35, 11764-11773.	1.6	8
5	An Electrochemical Gelation Method for Patterning Conductive PEDOT:PSS Hydrogels. Advanced Materials, 2019, 31, e1902869.	11.1	139
6	Ultrastretchable and Wireless Bioelectronics Based on All-Hydrogel Microfluidics. Advanced Materials, 2019, 31, e1902783.	11.1	118
7	Polyelectrolyte and Antipolyelectrolyte Effects for Dual Salt-Responsive Interpenetrating Network Hydrogels. Biomacromolecules, 2019, 20, 3524-3534.	2.6	42
8	Biomimetic Extreme-Temperature- and Environment-Adaptable Hydrogels. ChemPhysChem, 2019, 20, 2139-2154.	1.0	86
9	Photo-Driven Ion Transport for a Photodetector Based on an Asymmetric Carbon Nitride Nanotube Membrane. Angewandte Chemie - International Edition, 2019, 58, 12574-12579.	7.2	75
10	Photo-Driven Ion Transport for a Photodetector Based on an Asymmetric Carbon Nitride Nanotube Membrane. Angewandte Chemie, 2019, 131, 12704-12709.	1.6	8
11	Diffusion-determined assembly of all-climate supercapacitors via bioinspired aligned gels. Journal of Materials Chemistry A, 2019, 7, 19753-19760.	5.2	25
12	A highly transparent and ultra-stretchable conductor with stable conductivity during large deformation. Nature Communications, 2019, 10, 3429.	5.8	297
13	Molecular Staples for Tough and Stretchable Adhesion in Integrated Soft Materials. Advanced Healthcare Materials, 2019, 8, e1900810.	3.9	20
14	Soft medical microrobots: Design components and system integration. Applied Physics Reviews, 2019, 6, 041305.	5.5	40
15	Electronic Skin: Recent Progress and Future Prospects for Skin-Attachable Devices for Health Monitoring, Robotics, and Prosthetics. Advanced Materials, 2019, 31, e1904765.	11.1	936
16	PANI-CNT nanocomposites. , 2019, , 143-163.		9
17	Recent Progress in Wireless Sensors for Wearable Electronics. Sensors, 2019, 19, 4353.	2.1	99
18	Highly Stretchable, Adhesive, and Mechanical Zwitterionic Nanocomposite Hydrogel Biomimetic Skin. ACS Applied Materials & Interfaces, 2019, 11, 40620-40628.	4.0	120

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19	3D Fluorescent Hydrogel Origami for Multistage Data Security Protection. <i>Advanced Functional Materials</i> , 2019, 29, 1905514.	7.8	145
20	Facile synthesis of malachite green incorporated conducting polymers: A comparison of theoretical and experimental studies. <i>Synthetic Metals</i> , 2019, 257, 116184.	2.1	9
21	Bioinspired Dynamic Cross-Linking Hydrogel Sensors with Skin-like Strain and Pressure Sensing Behaviors. <i>Chemistry of Materials</i> , 2019, 31, 9522-9531.	3.2	195
22	Multiresponsive and Self-Healing Hydrogel via Formation of Polymer-Nanogel Interfacial Dynamic Benzoxaborole Esters at Physiological pH. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 44742-44750.	4.0	35
23	Dry double-sided tape for adhesion of wet tissues and devices. <i>Nature</i> , 2019, 575, 169-174.	13.7	798
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28	Bioinspired Synergistic Fluorescence-Color-Switchable Polymeric Hydrogel Actuators. <i>Angewandte Chemie</i> , 2019, 131, 16389-16397.	1.6	42
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38	Probing Surface Hydration and Molecular Structure of Zwitterionic and Polyacrylamide Hydrogels. <i>Langmuir</i> , 2019, 35, 13292-13300.	1.6	25
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40	Ingestible hydrogel device. <i>Nature Communications</i> , 2019, 10, 493.	5.8	168
41	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
42	Voltaglue Electroceutical Adhesive Patches for Localized Voltage Stimulation. <i>ACS Applied Bio Materials</i> , 2019, 2, 2633-2642.	2.3	16
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53	Muscle-like fatigue-resistant hydrogels by mechanical training. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 10244-10249.	3.3	318
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