

Ionogel-based, highly stretchable, transparent, durable energy harvesting and motion sensing over a wide temperature range

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Citation Report

#	ARTICLE	IF	CITATIONS
1	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
2	Transparent, mechanically robust, and ultrastable ionogels enabled by hydrogen bonding between elastomers and ionic liquids. <i>Materials Horizons</i> , 2020, 7, 912-918.	6.4	248
3	A review of electronic skin: soft electronics and sensors for human health. <i>Journal of Materials Chemistry B</i> , 2020, 8, 852-862.	2.9	125
4	High-output, transparent, stretchable triboelectric nanogenerator based on carbon nanotube thin film toward wearable energy harvesters. <i>Nano Energy</i> , 2020, 67, 104297.	8.2	64
5	Wearable Sensors for Monitoring Human Motion: A Review on Mechanisms, Materials, and Challenges. <i>SLAS Technology</i> , 2020, 25, 9-24.	1.0	106
6	Thermally drawn advanced functional fibers: New frontier of flexible electronics. <i>Materials Today</i> , 2020, 35, 168-194.	8.3	153
7	Progress in TENG technology—A journey from energy harvesting to nanoenergy and nanosystem. <i>EcoMat</i> , 2020, 2, e12058.	6.8	194
8	Wearable triboelectric nanogenerators for biomechanical energy harvesting. <i>Nano Energy</i> , 2020, 77, 105303.	8.2	206
9	Poly[(Butyl acrylate)- <i>co</i> -(butyl methacrylate)] as Transparent Tribopositive Material for High-Performance Hydrogel-Based Triboelectric Nanogenerators. <i>ACS Applied Polymer Materials</i> , 2020, 2, 5219-5227.	2.0	15
10	A facile and novel design of multifunctional electronic skin based on polydimethylsiloxane with micropillars for signal monitoring. <i>Journal of Materials Chemistry B</i> , 2020, 8, 8315-8322.	2.9	17
11	Manufacture of pH- and HAase-responsive hydrogels with on-demand and continuous antibacterial activity for full-thickness wound healing. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 2418-2431.	3.6	25
12	Multimodal Smart Eyewear for Longitudinal Eye Movement Tracking. <i>Matter</i> , 2020, 3, 1275-1293.	5.0	30
13	Solid-state and liquid-free elastomeric ionic conductors with autonomous self-healing ability. <i>Materials Horizons</i> , 2020, 7, 2994-3004.	6.4	103
14	Enhancing the Performance of a Stretchable and Transparent Triboelectric Nanogenerator by Optimizing the Hydrogel Ionic Electrode Property. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 23474-23483.	4.0	76
15	Progress and challenges in fabrication of wearable sensors for health monitoring. <i>Sensors and Actuators A: Physical</i> , 2020, 312, 112105.	2.0	153
16	A flexible triboelectric nanogenerator based on a super-stretchable and self-healable hydrogel as the electrode. <i>Nanoscale</i> , 2020, 12, 12753-12759.	2.8	45
17	Cellulose Nanofiber-Reinforced Ionic Conductors for Multifunctional Sensors and Devices. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 27545-27554.	4.0	54
18	A flexible semitransparent dual-electrode hydrogel based triboelectric nanogenerator with tough interfacial bonding and high energy output. <i>Journal of Materials Chemistry C</i> , 2020, 8, 5752-5760.	2.7	28

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20	An anti-freezing hydrogel based stretchable triboelectric nanogenerator for biomechanical energy harvesting at sub-zero temperature. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13787-13794.	5.2	126
21	Stretchable, Transparent, and Thermally Stable Triboelectric Nanogenerators Based on Solvent-Free Ion-Conducting Elastomer Electrodes. <i>Advanced Functional Materials</i> , 2020, 30, 1909252.	7.8	114
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24	Mechanically and Electronically Robust Transparent Organohydrogel Fibers. <i>Advanced Materials</i> , 2020, 32, e1906994.	11.1	207
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139	Rationally designed micropixelation-free tactile sensors via contour profile of triboelectric field propagation. <i>Nano Energy</i> , 2023, 109, 108255.	8.2	5
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