

Highly Sensitive Skin-Mountable Strain Gauges Based

Advanced Functional Materials

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Highly flexible, hybrid-structured indium tin oxides for transparent electrodes on polymer substrates. Applied Physics Letters, 2013, 102, .	1.5	8
2	User-interactive electronic skin for instantaneous pressure visualization. Nature Materials, 2013, 12, 899-904.	13.3	1,044
3	Dry adhesives with sensing features. Smart Materials and Structures, 2013, 22, 085010.	1.8	5
4	Materials and Optimized Designs for Human-Machine Interfaces Via Epidermal Electronics. Advanced Materials, 2013, 25, 6839-6846.	11.1	649
5	A comprehensive characterization of a linear deformation sensor for applications in triaxial compression tests. , 2013, , .		2
6	Micropatterned Stretchable Circuit and Strain Sensor Fabricated by Lithography on an Electrospun Nanofiber Mat. ACS Applied Materials & Interfaces, 2013, 5, 8766-8771.	4.0	43
7	Gauge Factor and Stretchability of Silicon-on-Polymer Strain Gauges. Sensors, 2013, 13, 8577-8594.	2.1	97
8	Fabric-based stretchable electronics with mechanically optimized designs and prestrained composite substrates. Extreme Mechanics Letters, 2014, 1, 120-126.	2.0	27
9	A New Approach to Determine Ligament Strain Using Polydimethylsiloxane Strain Gauges: Exemplary Measurements of the Anterolateral Ligament. Journal of Biomechanical Engineering, 2014, 136, 124504.	0.6	15
10	Stretchable silicon nanoribbon electronics for skin prosthesis. Nature Communications, 2014, 5, 5747.	5.8	1,145
11	Reverse-Micelle-Induced Porous Pressure-Sensitive Rubber for Wearable Human-Machine Interfaces. Advanced Materials, 2014, 26, 4825-4830.	11.1	564
12	Fiber-reinforced tough hydrogels. Extreme Mechanics Letters, 2014, 1, 90-96.	2.0	85
13	A hierarchical computational model for stretchable interconnects with fractal-inspired designs. Journal of the Mechanics and Physics of Solids, 2014, 72, 115-130.	2.3	115
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16	Study on an interconnect technology toward flexible printed electronics. , 2014, , .		5
17	Spatially digitized tactile pressure sensors with tunable sensitivity and sensing range. Nanotechnology, 2014, 25, 425504.	1.3	10
18	Flexible Tactile Sensing Based on Piezoresistive Composites: A Review. Sensors, 2014, 14, 5296-5332.	2.1	346

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19	All-elastic, Strain-Responsive Thermochromic Color Indicators. <i>Small</i> , 2014, 10, 1266-1271.	5.2	56
20	Highly reproducible printable graphite strain gauges for flexible devices. <i>Sensors and Actuators A: Physical</i> , 2014, 206, 75-80.	2.0	90
21	Wearable multifunctional sensors using printed stretchable conductors made of silver nanowires. <i>Nanoscale</i> , 2014, 6, 2345.	2.8	895
22	Stretchable, Wireless Sensors and Functional Substrates for Epidermal Characterization of Sweat. <i>Small</i> , 2014, 10, 3083-3090.	5.2	247
23	Mechanically Gated Electrical Switches by Creasing of Patterned Metal/Elastomer Bilayer Films. <i>Advanced Materials</i> , 2014, 26, 4381-4385.	11.1	55
24	Stretchable Conductive Polypyrrole/Polyurethane (PPy/PU) Strain Sensor with Netlike Microcracks for Human Breath Detection. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 1313-1319.	4.0	223
25	Highly Stretchable and Sensitive Strain Sensor Based on Silver Nanowire-Elastomer Nanocomposite. <i>ACS Nano</i> , 2014, 8, 5154-5163.	7.3	1,957
26	Highly stretchable conductors and piezocapacitive strain gauges based on simple contact-transfer patterning of carbon nanotube forests. <i>Carbon</i> , 2014, 80, 396-404.	5.4	143
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38	Highly Stretchy Black Gold E-skin Nanopatches as Highly Sensitive Wearable Biomedical Sensors. <i>Advanced Electronic Materials</i> , 2015, 1, 1400063.	2.6	405
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