

# Lab-on-Skin: A Review of Flexible and Stretchable Elect Monitoring

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Cotton-based wearable PEDOT:PSS electronic sensor for detecting acetone vapor. Flexible and Printed Electronics, 2017, 2, 042001.	1.5	13
2	Theoretical study and structural optimization of a flexible piezoelectret-based pressure sensor. Journal of Materials Chemistry A, 2018, 6, 5065-5070.	5.2	33
3	Stretchable conductors based on three-dimensional microcoils for tunable radio-frequency antennas. Journal of Materials Chemistry C, 2018, 6, 4191-4200.	2.7	12
4	Room-Temperature Self-Healing and Recyclable Tough Polymer Composites Using Nitrogen-Coordinated Boroxines. Advanced Functional Materials, 2018, 28, 1800560.	7.8	192
5	Strongly anisotropic thermal conductivity and adequate breathability of bilayered films for heat management of on-skin electronics. 2D Materials, 2018, 5, 035013.	2.0	13
6	Toward Self-Control Systems for Neurogenic Underactive Bladder: A Triboelectric Nanogenerator Sensor Integrated with a Bistable Micro-Actuator. ACS Nano, 2018, 12, 3487-3501.	7.3	96
7	Stretchable tandem micro-supercapacitors with high voltage output and exceptional mechanical robustness. Energy Storage Materials, 2018, 13, 233-240.	9.5	82
8	Stretchable wireless system for sweat pH monitoring. Biosensors and Bioelectronics, 2018, 107, 192-202.	5.3	247
9	Chemical formation of soft metal electrodes for flexible and wearable electronics. Chemical Society Reviews, 2018, 47, 4611-4641.	18.7	245
10	Construction of Transparent Cellulose-Based Nanocomposite Papers and Potential Application in Flexible Solar Cells. ACS Sustainable Chemistry and Engineering, 2018, 6, 8040-8047.	3.2	86
11	"Fish-scale"-mimicked stretchable and robust oil-wettability that performs in various practically relevant physically/chemically severe scenarios. Journal of Materials Chemistry A, 2018, 6, 22027-22036.	5.2	19
12	Advanced biosensors for monitoring astronauts' health during long-duration space missions. Biosensors and Bioelectronics, 2018, 111, 18-26.	5.3	56
13	Transparent, Wearable, Broadband, and Highly Sensitive Upconversion Nanoparticles and Graphene-Based Hybrid Photodetectors. ACS Photonics, 2018, 5, 2336-2347.	3.2	59
14	Highly Stretchable, Weavable, and Washable Piezoresistive Microfiber Sensors. ACS Applied Materials & Interfaces, 2018, 10, 12773-12780.	4.0	73
15	Ultra-thin chips for high-performance flexible electronics. Npj Flexible Electronics, 2018, 2, .	5.1	249
16	A new stage for flexible nanotube devices. Nature Electronics, 2018, 1, 158-159.	13.1	10
17	An Organic Transistor-Sensorized Glove for Noninvasive Monitoring of Hand Movements for Healthcare Applications. , 2018, , .		0
18	Recent Advances in Stretchable Supercapacitors Enabled by Low-Dimensional Nanomaterials. Small, 2018, 14, e1803976.	5.2	52

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19	Durable, flexible self-standing hydrogel electrolytes enabling high-safety rechargeable solid-state zinc metal batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 23046-23054.	5.2	127
20	An ultrahighly sensitive and repeatable flexible pressure sensor based on PVDF/PU/MWCNT hierarchical framework-structured aerogels for monitoring human activities. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12575-12583.	2.7	27
21	PZT and PNIPAM Film-Based Flexible and Stretchable Electronics for Knee Health Monitoring and Enhanced Drug Delivery. <i>IEEE Sensors Journal</i> , 2018, 18, 9736-9743.	2.4	18
22	Selective Laser Sintering of Laser Printed Ag Nanoparticle Micropatterns at High Repetition Rates. <i>Materials</i> , 2018, 11, 2142.	1.3	46
23	Regiochemical Effects on Mechanophore Activation in Bulk Materials. <i>Journal of the American Chemical Society</i> , 2018, 140, 15969-15975.	6.6	114
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30	Cotton-based wearable poly(3-hexylthiophene) electronic device for thermoelectric application with cross-plane temperature gradient. <i>Thin Solid Films</i> , 2018, 667, 59-63.	0.8	33
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38	Device Configurations and Future Prospects of Flexible/Stretchable Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2018, 28, 1805596.	7.8	132
39	Self-Healable and Mechanically Reinforced Multidimensional Carbon/Polyurethane Dielectric Nanocomposite Incorporates Various Functionalities for Capacitive Strain Sensor Applications. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1800369.	1.1	17
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48	Inkjet Printing of Silver Nanowires for Stretchable Heaters. <i>ACS Applied Nano Materials</i> , 2018, 1, 4528-4536.	2.4	87
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50	Protein-Based Electronic Skin Akin to Biological Tissues. <i>ACS Nano</i> , 2018, 12, 5637-5645.	7.3	112
51	Stretchable Transparent Electrodes with Solution-Processed Regular Metal Mesh for an Electroluminescent Light-Emitting Film. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 21009-21017.	4.0	53
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56	Highly Stable Battery Pack via Insulated, Reinforced, Buckling-Enabled Interconnect Array. <i>Small</i> , 2018, 14, e1800938.	5.2	35
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92	Stretchable and Resilient Conductive Films on Polydimethylsiloxane from Reactive Polymer-Single-Walled Carbon Nanotube Complexes for Wearable Electronics. <i>ACS Applied Nano Materials</i> , 2019, 2, 4968-4973.	2.4	7
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110	A Single Process for Homogeneous and Heterogeneous Bonding in Flexible Electronics : Ethanol-Assisted Vacuum Ultraviolet (E-VUV) Irradiation Process. , 2019, , .		1
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112	Roll-To-Roll Screen-Printed Silver Conductors on a Polydimethyl Siloxane Substrate for Stretchable Electronics. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 19909-19916.	1.8	34
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121	Ultrasensitive Anti-Interference Voice Recognition by Bio-Inspired Skin-Attachable Self-Cleaning Acoustic Sensors. <i>ACS Nano</i> , 2019, 13, 13293-13303.	7.3	122
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154	A Fully Printed Ultra-Thin Charge Amplifier for On-Skin Biosignal Measurements. <i>IEEE Journal of the Electron Devices Society</i> , 2019, 7, 566-574.	1.2	23
155	Ultrasensitive paper-based polyaniline/graphene composite strain sensor for sign language expression. <i>Composites Science and Technology</i> , 2019, 181, 107660.	3.8	26
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159	Evolution of Wearable Devices with Real-Time Disease Monitoring for Personalized Healthcare. <i>Nanomaterials</i> , 2019, 9, 813.	1.9	286
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