Biodegradable and flexible arterial-pulse sensor for the flow

Nature Biomedical Engineering

3, 47-57

DOI: 10.1038/s41551-018-0336-5

Citation Report

#	Article	IF	Citations
1	All-Textile Electronic Skin Enabled by Highly Elastic Spacer Fabric and Conductive Fibers. ACS Applied Materials & Interfaces, 2019, 11, 33336-33346.	4.0	81
2	Wearable Sweat Band for Noninvasive Levodopa Monitoring. Nano Letters, 2019, 19, 6346-6351.	4.5	121
3	Fully Printed, Wireless, Stretchable Implantable Biosystem toward Batteryless, Realâ€Time Monitoring of Cerebral Aneurysm Hemodynamics. Advanced Science, 2019, 6, 1901034.	5.6	41
4	Fabrication and Characterization of a Wireless Bioresorbable Pressure Sensor. Advanced Materials Technologies, 2019, 4, 1900428.	3.0	22
5	Bioâ€Multifunctional Smart Wearable Sensors for Medical Devices. Advanced Intelligent Systems, 2019, 1, 1900040.	3.3	115
6	Ultralow-Cost, Highly Sensitive, and Flexible Pressure Sensors Based on Carbon Black and Airlaid Paper for Wearable Electronics. ACS Applied Materials & Interfaces, 2019, 11, 33370-33379.	4.0	127
7	Multifunctional Fibers to Shape Future Biomedical Devices. Advanced Functional Materials, 2019, 29, 1902834.	7.8	74
8	Bioinspired Interlocked Structure-Induced High Deformability for Two-Dimensional Titanium Carbide (MXene)/Natural Microcapsule-Based Flexible Pressure Sensors. ACS Nano, 2019, 13, 9139-9147.	7.3	308
9	Futuristic medical implants using bioresorbable materials and devices. Biosensors and Bioelectronics, 2019, 142, 111489.	5.3	58
10	Electronic Skin for Closed-Loop Systems. ACS Nano, 2019, 13, 12287-12293.	7.3	103
11	Electronic Skin: Recent Progress and Future Prospects for Skinâ€Attachable Devices for Health Monitoring, Robotics, and Prosthetics. Advanced Materials, 2019, 31, e1904765.	11.1	936
12	Recent Progress in Wireless Sensors for Wearable Electronics. Sensors, 2019, 19, 4353.	2.1	99
13	Flexible and wearable healthcare sensors for visual reality health-monitoring. Virtual Reality & Intelligent Hardware, 2019, 1, 411-427.	1.8	42
14	Stretchable and Fully Degradable Semiconductors for Transient Electronics. ACS Central Science, 2019, 5, 1884-1891.	5.3	92
15	Core/Shell Piezoelectric Nanofibers with Spatial Self-Orientated Î²-Phase Nanocrystals for Real-Time Micropressure Monitoring of Cardiovascular Walls. ACS Nano, 2019, 13, 10062-10073.	7.3	66
16	Tactile Sensors for Advanced Intelligent Systems. Advanced Intelligent Systems, 2019, 1, 1900090.	3.3	80
17	Investigation of Lowâ€Current Direct Stimulation for Rehabilitation Treatment Related to Muscle Function Loss Using Selfâ€Powered TENG System. Advanced Science, 2019, 6, 1900149.	5.6	97
18	A highly sensitive biodegradable pressure sensor based on nanofibrous dielectric. Sensors and Actuators A: Physical, 2019, 294, 140-147.	2.0	57

#	Article	IF	Citations
19	Platform for wireless pressure sensing with built-in battery and instant visualization. Nano Energy, 2019, 62, 230-238.	8.2	43
20	Polymer Chemistries Underpinning Materials for Skin-Inspired Electronics. Macromolecules, 2019, 52, 3965-3974.	2.2	67
21	Graphene-based stretchable/wearable self-powered touch sensor. Nano Energy, 2019, 62, 259-267.	8.2	132
22	A Flexible e-skin based on micro-structured PZT thin films prepared via a low-temperature PLD method. Journal of Materials Chemistry C, 2019, 7, 4760-4769.	2.7	27
23	An LC Wireless Microfluidic Sensor Based on Low Temperature Co-Fired Ceramic (LTCC) Technology. Sensors, 2019, 19, 1189.	2.1	27
24	Healthcare electronic skin devices. Journal of Semiconductors, 2019, 40, 030401.	2.0	1
25	Highly stretchable and autonomously healable epidermal sensor based on multi-functional hydrogel frameworks. Journal of Materials Chemistry A, 2019, 7, 5949-5956.	5.2	187
26	Microfabricated bioelectronic systems for prevention, diagnostics and treatment of neurological disorders. , 2019, , .		2
27	Large area flexible pressure/strain sensors and arrays using nanomaterials and printing techniques. Nano Convergence, 2019, 6, 28.	6.3	45
28	Wearable and Implantable Electronics: Moving toward Precision Therapy. ACS Nano, 2019, 13, 12280-12286.	7.3	150
29	Screen-printed soft triboelectric nanogenerator with porous PDMS and stretchable PEDOT:PSS electrode. Journal of Semiconductors, 2019, 40, 112601.	2.0	17
30	Flexible, sticky, and biodegradable wireless device for drug delivery to brain tumors. Nature Communications, 2019, 10, 5205.	5.8	148
31	Anodized Aluminum Oxide-Assisted Low-Cost Flexible Capacitive Pressure Sensors Based on Double-Sided Nanopillars by a Facile Fabrication Method. ACS Applied Materials & Interfaces, 2019, 11, 48594-48603.	4.0	130
32	Stumbling through the Research Wilderness, Standard Methods To Shine Light on Electrically Conductive Nanocomposites for Future Healthcare Monitoring. ACS Nano, 2019, 13, 13627-13636.	7.3	35
33	Nature-inspired rollable electronics. NPG Asia Materials, 2019, 11, .	3.8	10
34	Printing of wirelessly rechargeable solid-state supercapacitors for soft, smart contact lenses with continuous operations. Science Advances, 2019, 5, eaay0764.	4.7	117
35	Ultrasensitive Fingertip-Contacted Pressure Sensors To Enable Continuous Measurement of Epidermal Pulse Waves on Ubiquitous Object Surfaces. ACS Applied Materials & Interfaces, 2019, 11, 46399-46407.	4.0	25
36	A stretchable, conformable, and biocompatible graphene strain sensor based on a structured hydrogel for clinical application. Journal of Materials Chemistry A, 2019, 7, 27099-27109.	5.2	61

#	Article	IF	Citations
37	A biodegradable wireless blood-flow sensor. Nature Biomedical Engineering, 2019, 3, 7-8.	11.6	7
38	Rational Design of Capacitive Pressure Sensors Based on Pyramidal Microstructures for Specialized Monitoring of Biosignals. Advanced Functional Materials, 2020, 30, 1903100.	7.8	265
39	Flexible Hybrid Sensors for Health Monitoring: Materials and Mechanisms to Render Wearability. Advanced Materials, 2020, 32, e1902133.	11.1	232
40	Spatially modulated stiffness on hydrogels for soft and stretchable integrated electronics. Materials Horizons, 2020, 7, 203-213.	6.4	70
41	A Novel Technology for Free Flap Monitoring: Pilot Study of a Wireless, Biodegradable Sensor. Journal of Reconstructive Microsurgery, 2020, 36, 182-190.	1.0	8
42	Recent progress in tactile sensors and their applications in intelligent systems. Science Bulletin, 2020, 65, 70-88.	4.3	132
43	Transfer Printing of Electronic Functions on Arbitrary Complex Surfaces. ACS Nano, 2020, 14, 12-20.	7.3	47
44	A wearable, waterproof, and highly sensitive strain sensor based on three-dimensional graphene/carbon black/Ni sponge for wirelessly monitoring human motions. Journal of Materials Chemistry C, 2020, 8, 2074-2085.	2.7	67
45	Reviews of wearable healthcare systems: Materials, devices and system integration. Materials Science and Engineering Reports, 2020, 140, 100523.	14.8	215
46	Biodegradable nanofiber-based piezoelectric transducer. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 214-220.	3.3	139
47	Temperature and Strain Compensation for Flexible Sensors Based on Thermosensation. ACS Applied Materials & Interfaces, 2020, 12, 1953-1961.	4.0	29
48	Emerging Soft Conductors for Bioelectronic Interfaces. Advanced Functional Materials, 2020, 30, 1907184.	7.8	70
49	Development Trends and Perspectives of Future Sensors and MEMS/NEMS. Micromachines, 2020, 11, 7.	1.4	216
50	Exploration of the proton conduction behavior in natural neutral polysaccharides for biodegradable organic synaptic transistors. Journal of Materials Chemistry C, 2020, 8, 16542-16550.	2.7	18
51	Biomimetic, biocompatible and robust silk Fibroin-MXene film with stable 3D cross-link structure for flexible pressure sensors. Nano Energy, 2020, 78, 105252.	8.2	153
52	Organic Bioelectronics: Using Highly Conjugated Polymers to Interface with Biomolecules, Cells, and Tissues in the Human Body. Advanced Materials Technologies, 2020, 5, 2000384.	3.0	38
53	Towards Microscale NFC-Enabled IoT Sensors: Physical and MAC Layer Design Analysis. IEEE Access, 2020, 8, 88076-88084.	2.6	4
54	Reconfigurable and Recyclable Circuits Based on Liquid Passive Components. Advanced Electronic Materials, 2020, 6, 1901388.	2.6	8

#	Article	IF	Citations
55	Microtransfer Printing Highâ€Efficiency GaAs Photovoltaic Cells onto Silicon for Wireless Power Applications. Advanced Materials Technologies, 2020, 5, 2000048.	3.0	6
56	Progress in wearable electronics/photonicsâ€"Moving toward the era of artificial intelligence and internet of things. InformaÄ›Ã-MateriÃ¡ly, 2020, 2, 1131-1162.	8.5	343
57	Recent advances in bioelectronics chemistry. Chemical Society Reviews, 2020, 49, 7978-8035.	18.7	54
58	Bioinspired conductive cellulose liquid-crystal hydrogels as multifunctional electrical skins. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 18310-18316.	3.3	177
59	Flexible Pressure Sensors for Biomedical Applications: From Ex Vivo to In Vivo. Advanced Materials Interfaces, 2020, 7, 2000743.	1.9	57
60	Highly Sensitive Interlocked Piezoresistive Sensors Based on Ultrathin Ordered Nanocone Array Films and Their Sensitivity Simulation. ACS Applied Materials & Interfaces, 2020, 12, 55169-55180.	4.0	29
61	Thin-Film Flexible Wireless Pressure Sensor for Continuous Pressure Monitoring in Medical Applications. Sensors, 2020, 20, 6653.	2.1	21
62	Flexible Electronics for Monitoring in vivo Electrophysiology and Metabolite Signals. Frontiers in Chemistry, 2020, 8, 547591.	1.8	4
63	Comparison of Wearable and Clinical Devices for Acquisition of Peripheral Nervous System Signals. Sensors, 2020, 20, 6778.	2.1	16
64	Monolithic Heterogeneous Integration of 3D Radio Frequency Lâ^'C Elements by Selfâ€Rolledâ€Up Membrane Nanotechnology. Advanced Functional Materials, 2020, 30, 2004034.	7.8	19
65	Microengineering Pressure Sensor Active Layers for Improved Performance. Advanced Functional Materials, 2020, 30, 2003491.	7.8	290
66	Bioresorbable Wireless Sensors as Temporary Implants for In Vivo Measurements of Pressure. Advanced Functional Materials, 2020, 30, 2003754.	7.8	53
67	A Biodegradable Implant Antenna Detecting Post-Surgical Infection. , 2020, , .		3
68	Unconventional Device and Material Approaches for Monolithic Biointegration of Implantable Sensors and Wearable Electronics. Advanced Materials Technologies, 2020, 5, .	3.0	37
69	A Review of Bioresorbable Implantable Medical Devices: Materials, Fabrication, and Implementation. Advanced Healthcare Materials, 2020, 9, e2000790.	3.9	72
70	Perspectives on smart stents with sensors: From conventional permanent to novel bioabsorbable smart stent technologies. Medical Devices & Sensors, 2020, 3, e10116.	2.7	14
71	Blood Pressure Sensors: Materials, Fabrication Methods, Performance Evaluations and Future Perspectives. Sensors, 2020, 20, 4484.	2.1	27
72	Sensors Made of Natural Renewable Materials: Efficiency, Recyclability or Biodegradabilityâ€"The Green Electronics. Sensors, 2020, 20, 5898.	2.1	21

#	Article	IF	Citations
73	Flexible Dual-Wave Mode AlN-Based Surface Acoustic Wave Device on Polymeric Substrate. IEEE Electron Device Letters, 2020, 41, 1692-1695.	2.2	15
74	An Implantable Ionic Wireless Power Transfer System Facilitating Electrosynthesis. ACS Nano, 2020, 14, 11743-11752.	7.3	10
75	Nanocomposite hydrogel-based strain and pressure sensors: a review. Journal of Materials Chemistry A, 2020, 8, 18605-18623.	5.2	230
76	Advanced Materials and Systems for Biodegradable, Transient Electronics. Advanced Materials, 2020, 32, e2002211.	11.1	101
77	In-Vivo Microsystems: A Review. Sensors, 2020, 20, 4953.	2.1	6
78	Deep-Learning-Based Deconvolution of Mechanical Stimuli with Ti₃C₂T_x MXene Electromagnetic Shield Architecture via Dual-Mode Wireless Signal Variation Mechanism. ACS Nano, 2020, 14, 11962-11972.	7.3	25
79	Bioresorbable and Biodegradable Electronics and Photonics. , 2020, , .		0
80	Recent Progress in Wearable Biosensors: From Healthcare Monitoring to Sports Analytics. Biosensors, 2020, 10, 205.	2.3	63
81	Recent Advances in Cell Adhesive Force Microscopy. Sensors, 2020, 20, 7128.	2.1	6
82	Designing Tunable Capacitive Pressure Sensors Based on Material Properties and Microstructure Geometry. ACS Applied Materials & Interfaces, 2020, 12, 58301-58316.	4.0	65
83	High precision epidermal radio frequency antenna via nanofiber network for wireless stretchable multifunction electronics. Nature Communications, 2020, 11, 5629.	5.8	48
84	Protein Gel Phase Transition: Toward Superiorly Transparent and Hysteresisâ€Free Wearable Electronics. Advanced Functional Materials, 2020, 30, 1910080.	7.8	30
85	Progress and challenges in fabrication of wearable sensors for health monitoring. Sensors and Actuators A: Physical, 2020, 312, 112105.	2.0	153
86	Using Bionics to Restore Sensation to Reconstructed Breasts. Frontiers in Neurorobotics, 2020, 14, 24.	1.6	10
87	From Molecular Reconstruction of Mesoscopic Functional Conductive Silk Fibrous Materials to Remote Respiration Monitoring. Small, 2020, 16, e2000203.	5.2	48
88	Graphene decorated carbonized cellulose fabric for physiological signal monitoring and energy harvesting. Journal of Materials Chemistry A, 2020, 8, 12665-12673.	5.2	68
89	Skin-inspired electronics: emerging semiconductor devices and systems. Journal of Semiconductors, 2020, 41, 041601.	2.0	63
90	Cardiac energy harvesting and sensing based on piezoelectric and triboelectric designs. Nano Energy, 2020, 76, 105076.	8.2	63

#	Article	IF	Citations
91	Materials and Orthopedic Applications for Bioresorbable Inductively Coupled Resonance Sensors. ACS Applied Materials & Interfaces, 2020, 12, 31148-31161.	4.0	17
92	Nanogenerators to Power Implantable Medical Systems. Joule, 2020, 4, 1398-1407.	11.7	61
93	High-performance capacitive strain sensors with highly stretchable vertical graphene electrodes. Journal of Materials Chemistry C, 2020, 8, 5541-5546.	2.7	39
94	Soft, Implantable Bioelectronic Interfaces for Translational Research. Advanced Materials, 2020, 32, e1906512.	11.1	67
95	Wireless sensor enables longitudinal monitoring of regenerative niche mechanics during rehabilitation that enhance bone repair. Bone, 2020, 135, 115311.	1.4	21
96	Hierarchically structured PVDF/ZnO core-shell nanofibers for self-powered physiological monitoring electronics. Nano Energy, 2020, 72, 104706.	8.2	207
97	Bioresorbable, Wireless, Passive Sensors as Temporary Implants for Monitoring Regional Body Temperature. Advanced Healthcare Materials, 2020, 9, e2000942.	3.9	87
98	Mechanics designs-performance relationships in epidermal triboelectric nanogenerators. Nano Energy, 2020, 76, 105017.	8.2	24
99	Fibrous inductance strain sensors for passive inductance textile sensing. Materials Today Physics, 2020, 15, 100243.	2.9	22
100	Biodegradable Materials and Green Processing for Green Electronics. Advanced Materials, 2020, 32, e2001591.	11.1	168
101	Hybrid Graphene/Carbon Nanofiber Wax Emulsion for Paperâ€Based Electronics and Thermal Management. Advanced Electronic Materials, 2020, 6, 2000232.	2.6	24
102	Bioelectronic Skin Based on Nociceptive Ion Channel for Humanâ€Like Perception of Cold Pains. Small, 2020, 16, e2001469.	5.2	5
103	Highly Tough, Stretchable, Selfâ€Adhesive and Strainâ€Sensitive DNAâ€Inspired Hydrogels for Monitoring Human Motion. Chemistry - A European Journal, 2020, 26, 11604-11613.	1.7	13
104	Ultrasoft Liquid Metal Elastomer Foams with Positive and Negative Piezopermittivity for Tactile Sensing. Advanced Functional Materials, 2020, 30, 2002611.	7.8	154
105	A smartphone-enabled wireless and batteryless implantable blood flow sensor for remote monitoring of prosthetic heart valve function. PLoS ONE, 2020, 15, e0227372.	1.1	27
106	Smart orthopaedic implants: A targeted approach for continuous postoperative evaluation in the spine. Journal of Biomechanics, 2020, 104, 109690.	0.9	19
107	Wireless implantable and biodegradable sensors for postsurgery monitoring: current status and future perspectives. Nanotechnology, 2020, 31, 252001.	1.3	42
108	Biodegradable and stretchable polymeric materials for transient electronic devices. MRS Bulletin, 2020, 45, 96-102.	1.7	51

#	Article	IF	Citations
109	Nanofabrication for all-soft and high-density electronic devices based on liquid metal. Nature Communications, 2020, 11, 1002.	5.8	101
110	Materials, Mechanics Designs, and Bioresorbable Multisensor Platforms for Pressure Monitoring in the Intracranial Space. Advanced Functional Materials, 2020, 30, 1910718.	7.8	53
111	WSe₂ 2D pâ€type semiconductorâ€based electronic devices for information technology: Design, preparation, and applications. InformaÄ›Ã-MateriÃ¡ly, 2020, 2, 656-697.	8.5	115
112	Investigation of Cortisol Dynamics in Human Sweat Using a Graphene-Based Wireless mHealth System. Matter, 2020, 2, 921-937.	5.0	269
113	Degradable piezoelectric biomaterials for wearable and implantable bioelectronics. Current Opinion in Solid State and Materials Science, 2020, 24, 100806.	5.6	87
114	Material strategies for on-demand smart transient electronics. MRS Bulletin, 2020, 45, 129-134.	1.7	16
115	Advanced manufacturing for transient electronics. MRS Bulletin, 2020, 45, 113-120.	1.7	9
116	Bioinspired, Microstructured Silk Fibroin Adhesives for Flexible Skin Sensors. ACS Applied Materials & Interfaces, 2020, 12, 5601-5609.	4.0	83
117	From design to applications of stimuli-responsive hydrogel strain sensors. Journal of Materials Chemistry B, 2020, 8, 3171-3191.	2.9	131
118	Bioresorbable Materials on the Rise: From Electronic Components and Physical Sensors to In Vivo Monitoring Systems. Advanced Science, 2020, 7, 1902872.	5.6	70
119	Conformable surface acoustic wave biosensor for E-coli fabricated on PEN plastic film. Biosensors and Bioelectronics, 2020, 163, 112164.	5.3	64
120	Continuous and Scalable Manufacture of Hybridized Nano-Micro Triboelectric Yarns for Energy Harvesting and Signal Sensing. ACS Nano, 2020, 14, 4716-4726.	7.3	130
121	Electronic Skins for Robotics and Wearables. , 2020, , .		1
122	Antiâ€liquidâ€Interfering and Bacterially Antiadhesive Strategy for Highly Stretchable and Ultrasensitive Strain Sensors Based on Cassieâ€Baxter Wetting State. Advanced Functional Materials, 2020, 30, 2000398.	7.8	172
123	Clinical Opportunities for Continuous Biosensing and Closed-Loop Therapies. Trends in Chemistry, 2020, 2, 319-340.	4.4	39
124	Green Strategies to Printed Sensors for Healthcare Applications. Polymer Reviews, 2021, 61, 116-156.	5.3	30
125	Wearable and Biodegradable Sensors for Human Health Monitoring. ACS Applied Bio Materials, 2021, 4, 122-139.	2.3	52
126	Mixed oxide nanotubes in nanomedicine: A dead-end or a bridge to the future?. Ceramics International, 2021, 47, 2917-2948.	2.3	28

#	Article	IF	Citations
127	Technology evolution from self-powered sensors to AIoT enabled smart homes. Nano Energy, 2021, 79, 105414.	8.2	177
128	Wireless wearable wristband for continuous sweat pH monitoring. Sensors and Actuators B: Chemical, 2021, 327, 128948.	4.0	30
129	Material innovation and mechanics design for substrates and encapsulation of flexible electronics: a review. Materials Horizons, 2021, 8, 383-400.	6.4	91
130	Electrical bioadhesive interface for bioelectronics. Nature Materials, 2021, 20, 229-236.	13.3	361
131	Electroactive material-based biosensors for detection and drug delivery. Advanced Drug Delivery Reviews, 2021, 170, 396-424.	6.6	47
132	Flexible Fringe Effect Capacitive Sensors with Simultaneous Highâ€Performance Contact and Nonâ€Contact Sensing Capabilities. Small Structures, 2021, 2, 2000079.	6.9	57
133	Edible Electronics: The Vision and the Challenge. Advanced Materials Technologies, 2021, 6, 2000757.	3.0	75
134	A Flexible Humidity Sensor Based on Natural Biocompatible Silk Fibroin Films. Advanced Materials Technologies, 2021, 6, .	3.0	39
135	Smart Stretchable Electronics for Advanced Humanâ€“Machine Interface. Advanced Intelligent Systems, 2021, 3, 2000157.	3.3	38
136	Wearable and Biodegradable Sensors for Clinical and Environmental Applications. ACS Applied Electronic Materials, 2021, 3, 68-100.	2.0	46
137	Magnetically Controlled Soft Robotics Utilizing Elastomers and Gels in Actuation: A Review. Advanced Intelligent Systems, 2021, 3, 2000186.	3.3	74
138	Biodegradable Materials for Sustainable Health Monitoring Devices. ACS Applied Bio Materials, 2021, 4, 163-194.	2.3	133
139	Wirelessly powered multi-functional wearable humidity sensor based on RGO-WS2 heterojunctions. Sensors and Actuators B: Chemical, 2021, 329, 129077.	4.0	37
140	A New Capacitive Sensor for Histomorphometry Evaluation of Dental Implants. IEEE Sensors Journal, 2021, 21, 14515-14521.	2.4	4
141	Wearable Sensing Devices for Point of Care Diagnostics. ACS Applied Bio Materials, 2021, 4, 47-70.	2.3	58
142	Stretchable Electronics Based on PDMS Substrates. Advanced Materials, 2021, 33, e2003155.	11.1	319
143	Soft gold nanowire sponge antenna for battery-free wireless pressure sensors. Nanoscale, 2021, 13, 3957-3966.	2.8	17
144	Soft implantable drug delivery device integrated wirelessly with wearable devices to treat fatal seizures. Science Advances, 2021, 7, .	4.7	107

#	Article	IF	Citations
145	Recent progress of skin-integrated electronics for intelligent sensing. Light Advanced Manufacturing, 2021, 2, 39.	2.2	18
147	A hierarchical porous carbon-nanotube skeleton for sensing films with ultrahigh sensitivity, stretchability, and mechanical compliance. Journal of Materials Chemistry A, 2021, 9, 4317-4325.	5.2	11
148	A chip-less and battery-less subharmonic tag for wireless sensing with parametrically enhanced sensitivity and dynamic range. Scientific Reports, 2021, 11, 3782.	1.6	16
149	Bioresorbable Metals for Biomedical Applications: From Mechanical Components to Electronic Devices. Advanced Healthcare Materials, 2021, 10, e2002236.	3.9	35
150	Wearable Biosensors: An Alternative and Practical Approach in Healthcare and Disease Monitoring. Molecules, 2021, 26, 748.	1.7	134
151	Smart power system of biocompatible and flexible micro-supercapacitor. Applied Physics Letters, 2021, 118, .	1.5	3
152	Array Integration and Farâ€Field Detection of Biocompatible Wireless LC Pressure Sensors. Small Methods, 2021, 5, e2001055.	4.6	18
153	From Diagnosis to Treatment: Recent Advances in Patient-Friendly Biosensors and Implantable Devices. ACS Nano, 2021, 15, 1960-2004.	7.3	171
154	From Fiber to Fabric: Progress Towards Photovoltaic Energy Textile. Advanced Fiber Materials, 2021, 3, 76-106.	7.9	36
155	Shape Fidelity of 3D-Bioprinted Biodegradable Patches. Micromachines, 2021, 12, 195.	1.4	14
156	Implanted Flexible Electronics: Set Device Lifetime with Smart Nanomaterials. Micromachines, 2021, 12, 157.	1.4	24
157	Metaoptronic Multiplexed Interface for Probing Bioentity Behaviors. Nano Letters, 2021, 21, 2681-2689.	4.5	15
158	Bio-based Materials for Microwave Devices: A Review. Journal of Electronic Materials, 2021, 50, 1893-1921.	1.0	8
159	Wireless and battery-free technologies for neuroengineering. Nature Biomedical Engineering, 2023, 7, 405-423.	11.6	141
160	Cohabiting Plantâ€Wearable Sensor In Situ Monitors Water Transport in Plant. Advanced Science, 2021, 8, 2003642.	5.6	49
161	Flexible Noncontact Sensing for Humanâ€"Machine Interaction. Advanced Materials, 2021, 33, e2100218.	11.1	185
162	Research review about the progress of transient electronics in sensor and electronic skin. Journal of Physics: Conference Series, 2021, 1827, 012045.	0.3	1
164	Electronic skin: from flexibility to a sense of touch. Nature, 2021, 591, 685-687.	13.7	77

#	Article	IF	Citations
165	Noninvasive Flow Monitoring in Simple Flow Phantom Using Resistive Strain Sensors. Sensors, 2021, 21, 2201.	2.1	4
166	Flow-sensory contact electrification of graphene. Nature Communications, 2021, 12, 1755.	5.8	10
167	Chemiresistor sensor matrix prepared by full-printing processes. Flexible and Printed Electronics, 2021, 6, 015013.	1.5	1
168	MXenes for memristive and tactile sensory systems. Applied Physics Reviews, 2021, 8, .	5.5	25
170	Organic thin film transistorsâ€based biosensors. EcoMat, 2021, 3, e12094.	6.8	52
171	Ultraâ€Wide Range Pressure Sensor Based on a Microstructured Conductive Nanocomposite for Wearable Workout Monitoring. Advanced Healthcare Materials, 2021, 10, e2001461.	3.9	33
172	Highly anisotropic and flexible piezoceramic kirigami for preventing joint disorders. Science Advances, 2021, 7, .	4.7	88
173	Biodegradable Flexible Electronic Device with Controlled Drug Release for Cancer Treatment. ACS Applied Materials & Interfaces, 2021, 13, 21067-21075.	4.0	14
174	Development of electrical transduction based wearable tactile sensors for human vital signs monitor: Fundamentals, methodologies and applications. Sensors and Actuators A: Physical, 2021, 321, 112582.	2.0	19
175	Recent Progress in Flexible Tactile Sensors for Humanâ€Interactive Systems: From Sensors to Advanced Applications. Advanced Materials, 2021, 33, e2005902.	11.1	216
176	Highly stretchable and sensitive strain sensor based on polypyrrole coated bacterial cellulose fibrous network for human motion detection. Composites Part B: Engineering, 2021, 211, 108665.	5.9	51
177	Printable and recyclable carbon electronics using crystalline nanocellulose dielectrics. Nature Electronics, 2021, 4, 261-268.	13.1	62
178	A Self-Powered Portable Flexible Sensor of Monitoring Speed Skating Techniques. Biosensors, 2021, 11, 108.	2.3	18
179	Printed carbon electronics get recycled. Nature Electronics, 2021, 4, 241-242.	13.1	3
180	Flexible and degradable resistive switching memory fabricated with sodium alginate*. Chinese Physics B, 2021, 30, 047302.	0.7	3
181	Stretchable and suturable fibre sensors for wireless monitoring of connective tissue strain. Nature Electronics, 2021, 4, 291-301.	13.1	106
182	Printable wet-resistive textile strain sensors using bead-blended composite ink for robustly integrative wearable electronics. Composites Part B: Engineering, 2021, 210, 108674.	5.9	29
183	Imperceptible energy harvesting device and biomedical sensor based on ultraflexible ferroelectric transducers and organic diodes. Nature Communications, 2021, 12, 2399.	5.8	101

#	Article	IF	Citations
184	Self-Recoverable, Stretchable, and Sensitive Wearable Sensors Based on Ternary Semi-interpenetrating Ionic Hydrogels. ACS Applied Polymer Materials, 2021, 3, 2732-2741.	2.0	27
185	Energy Harvesting Untethered Soft Electronic Devices. Advanced Healthcare Materials, 2021, 10, e2002286.	3.9	16
186	The Biocompatibility of Wireless Power Charging System on Human Neural Cells. Applied Sciences (Switzerland), 2021, 11, 3611.	1.3	9
187	Wireless and battery-free platforms for collection of biosignals. Biosensors and Bioelectronics, 2021, 178, 113007.	5.3	40
188	A polyurethane integrating self-healing, anti-aging and controlled degradation for durable and eco-friendly E-skin. Chemical Engineering Journal, 2021, 410, 128363.	6.6	59
189	Application of a subâ€“0.1-mm ³ implantable mote for in vivo real-time wireless temperature sensing. Science Advances, 2021, 7, .	4.7	59
190	Recent Advances in Printing Technologies of Nanomaterials for Implantable Wireless Systems in Health Monitoring and Diagnosis. Advanced Healthcare Materials, 2021, 10, e2100158.	3.9	27
191	Integrating Emerging Polymer Chemistries for the Advancement of Recyclable, Biodegradable, and Biocompatible Electronics. Advanced Science, 2021, 8, e2101233.	5.6	73
192	Nacreâ€Inspired, Liquid Metalâ€Based Ultrasensitive Electronic Skin by Spatially Regulated Cracking Strategy. Advanced Functional Materials, 2021, 31, 2102359.	7.8	67
193	A Portable and Flexible Self-Powered Multifunctional Sensor for Real-Time Monitoring in Swimming. Biosensors, 2021, 11, 147.	2.3	22
194	Bioderived and degradable polymers for transient electronics. Journal of Chemical Technology and Biotechnology, 2022, 97, 801-809.	1.6	25
195	Stretchable Capacitive Pressure Sensing Sleeve Deployable onto Catheter Balloons towards Continuous Intra-Abdominal Pressure Monitoring. Biosensors, 2021, 11, 156.	2.3	21
196	Recent Progress on Bioresorbable Passive Electronic Devices and Systems. Micromachines, 2021, 12, 600.	1.4	8
197	Highâ€Density Force and Temperature Sensing Skin Using Micropillar Array with Image Sensor. Advanced Intelligent Systems, 2021, 3, 2000280.	3.3	4
198	Recent Progress in Development of Wearable Pressure Sensors Derived from Biological Materials. Advanced Healthcare Materials, 2021, 10, e2100460.	3.9	30
199	3D Electrodes for Bioelectronics. Advanced Materials, 2021, 33, e2005805.	11.1	35
200	A Flexible Integrated Bending Strain and Pressure Sensor System for Motion Monitoring. Sensors, 2021, 21, 3969.	2.1	16
201	Wireless Power Transfer and Telemetry for Implantable Bioelectronics. Advanced Healthcare Materials, 2021, 10, e2100614.	3.9	41

#	Article	IF	Citations
202	Soft Humanâ€"Machine Interface with Triboelectric Patterns and Archimedes Spiral Electrodes for Enhanced Motion Detection. Advanced Functional Materials, 2021, 31, 2103075.	7.8	26
203	Advanced Flexible Skin-Like Pressure and Strain Sensors for Human Health Monitoring. Micromachines, 2021, 12, 695.	1.4	53
204	Biocompatible, Highâ€Performance, Wetâ€Adhesive, Stretchable Allâ€Hydrogel Supercapacitor Implant Based on PANI@rGO/Mxenes Electrode and Hydrogel Electrolyte. Advanced Energy Materials, 2021, 11, 2101329.	10.2	91
205	Sensation and Perception of a Bioinspired Flexible Smart Sensor System. ACS Nano, 2021, 15, 9238-9243.	7.3	17
206	Ultra-sensitive passive wireless sensor exploiting high-order exceptional point for weakly coupling detection. New Journal of Physics, 2021, 23, 063008.	1.2	15
207	Active-Sensing Epidermal Stretchable Bioelectronic Patch for Noninvasive, Conformal, and Wireless Tendon Monitoring. Research, 2021, 2021, 9783432.	2.8	6
208	Advanced Devices for Tumor Diagnosis and Therapy. Small, 2021, 17, 2100003.	5.2	14
209	Bio-inspired flexible electronics for smart E-skin. Acta Biomaterialia, 2022, 139, 280-295.	4.1	48
210	Enabling the Unconstrained Epidermal Pulse Wave Monitoring via Fingerâ€Touching. Advanced Functional Materials, 2021, 31, 2102378.	7.8	29
211	A review on emerging biodegradable polymers for environmentally benign transient electronic skins. Journal of Materials Science, 2021, 56, 16765-16789.	1.7	49
212	A self-powered implantable and bioresorbable electrostimulation device for biofeedback bone fracture healing. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	71
213	Largeâ€Area Transient Conductive Films Obtained through Photonic Sintering of 2D Materials. Advanced Materials Technologies, 2022, 7, 2100439.	3.0	3
214	Solution-Processable Conductive Composite Hydrogels with Multiple Synergetic Networks toward Wearable Pressure/Strain Sensors. ACS Sensors, 2021, 6, 2938-2951.	4.0	53
215	Continuous monitoring of deep-tissue haemodynamics with stretchable ultrasonic phased arrays. Nature Biomedical Engineering, 2021, 5, 749-758.	11.6	100
217	Physically transient electronic materials and devices. Materials Science and Engineering Reports, 2021, 145, 100624.	14.8	46
218	All-polymeric transient neural probe for prolonged in-vivo electrophysiological recordings. Biomaterials, 2021, 274, 120889.	5.7	26
220	Optimization and design of bendingâ€insensitive paperâ€based LC wireless passive sensors. Microwave and Optical Technology Letters, 2021, 63, 2763-2768.	0.9	1
221	A Soft and Absorbable Temporary Epicardial Pacing Wire. Advanced Materials, 2021, 33, e2101447.	11.1	25

#	Article	IF	Citations
222	A Wireless Near-Infrared Spectroscopy Device for Flap Monitoring: Proof of Concept in a Porcine Musculocutaneous Flap Model. Journal of Reconstructive Microsurgery, 2022, 38, 096-105.	1.0	6
223	Selfâ€Shaping Soft Electronics Based on Patterned Hydrogel with Stencilâ€Printed Liquid Metal. Advanced Functional Materials, 2021, 31, 2105481.	7.8	83
224	Smart Materials Enabled with Artificial Intelligence for Healthcare Wearables. Advanced Functional Materials, 2021, 31, 2105482.	7.8	56
225	Recent advances in nanogenerators-based flexible electronics for electromechanical biomonitoring. Biosensors and Bioelectronics, 2021, 186, 113290.	5.3	23
226	Wearable sensors and devices for real-time cardiovascular disease monitoring. Cell Reports Physical Science, 2021, 2, 100541.	2.8	51
227	Implantable application of polymerâ€based biosensors. Journal of Polymer Science, 2022, 60, 328-347.	2.0	24
228	Biodegradable Implantable Sensors: Materials Design, Fabrication, and Applications. Advanced Functional Materials, 2021, 31, 2104149.	7.8	53
229	Enabling Wearable Pulse Transit Time-Based Blood Pressure Estimation for Medically Underserved Areas and Health Equity: Comprehensive Evaluation Study. JMIR MHealth and UHealth, 2021, 9, e27466.	1.8	9
230	Strain Sensing by Electrical Capacitive Variation: From Stretchable Materials to Electronic Interfaces. Advanced Electronic Materials, 2021, 7, 2100190.	2.6	17
231	Nanomaterials and their applications on bio-inspired wearable electronics. Nanotechnology, 2021, 32, 472002.	1.3	19
232	Flexible Capacitive Pressure Sensor Based on an Embedded Rib Fabric With a Bionic Sloping Petal Structure. IEEE Sensors Journal, 2021, 21, 20119-20128.	2.4	17
233	Modular Synthesis of Fully Degradable Imine-Based Semiconducting p-Type and n-Type Polymers. Chemistry of Materials, 2021, 33, 7465-7474.	3.2	21
234	Simulation of Steady-State Temperature Rise of Electric Heating Field of Wireless Sensor Circuit Fault Current Trigger. Journal of Sensors, 2021, 2021, 1-11.	0.6	0
235	Materials design for resilience in the biointegration of electronics. MRS Bulletin, 2021, 46, 860.	1.7	3
236	Flexible strain sensor with ridgeâ€like microstructures for wearable applications. Polymers for Advanced Technologies, 2022, 33, 96-103.	1.6	10
237	Post-surgical wireless monitoring of arterial health progression. IScience, 2021, 24, 103079.	1.9	9
238	Composites retard hydrolytic crack growth. Extreme Mechanics Letters, 2021, 48, 101433.	2.0	5
239	A Zwitterionic-Aromatic Motif-Based ionic skin for highly biocompatible and Glucose-Responsive sensor. Journal of Colloid and Interface Science, 2021, 600, 561-571.	5.0	21

#	Article	IF	Citations
240	Transient electronics: new opportunities for implantable neurotechnology. Current Opinion in Biotechnology, 2021, 72, 22-28.	3.3	20
241	Expressions for Resonant Frequency of Wirelessly Accessible Planar Mirrored-Coil Sensor in Biomedicine. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 556-564.	2.9	0
242	Wearable and Implantable Intraocular Pressure Biosensors: Recent Progress and Future Prospects. Advanced Science, 2021, 8, 2002971.	5.6	28
243	Materials, Devices, and Applications for Wearable and Implantable Electronics. ACS Applied Electronic Materials, 2021, 3, 485-503.	2.0	37
244	Bioresorbable Multilayer Photonic Cavities as Temporary Implants for Tether-Free Measurements of Regional Tissue Temperatures. BME Frontiers, 2021, 2021, .	2.2	7
245	Tunable piezoresistivity of low percolation threshold micro-nickel wires/PDMS conductive composite regulated by magnetic field. Journal of Materials Chemistry C, 2021, 9, 5908-5919.	2.7	8
246	A multiple laser-induced hybrid electrode for flexible triboelectric nanogenerators. Sustainable Energy and Fuels, 2021, 5, 3737-3743.	2.5	17
247	Wireless Monitoring of Small Strains in Intelligent Robots via a Joule Heating Effect in Stretchable Grapheneâ€"Polymer Nanocomposites. Advanced Functional Materials, 2020, 30, 1910809.	7.8	68
248	Wearable Sensorsâ€Enabled Humanâ€"Machine Interaction Systems: From Design to Application. Advanced Functional Materials, 2021, 31, 2008936.	7.8	322
249	Recent progress in aqueous based flexible energy storage devices. Energy Storage Materials, 2020, 30, 260-286.	9.5	87
251	Graphene-based ultrasensitive optical microfluidic sensor for the real-time and label-free monitoring of simulated arterial blood flow. Optics Express, 2020, 28, 16594.	1.7	15
252	Biocompatible and Biodegradable Functional Polysaccharides for Flexible Humidity Sensors. Research, 2020, 2020, 8716847.	2.8	46
253	A Flexible Pressure Sensor Based on Bimaterial Conductivity-Conversion Mechanism. IEEE Electron Device Letters, 2021, 42, 1857-1860.	2.2	6
254	Research on feature mining algorithm and disease diagnosis of pulse signal based on piezoelectric sensor. Informatics in Medicine Unlocked, 2021, 26, 100717.	1.9	2
255	Wirelessly operated bioelectronic sutures for the monitoring of deep surgical wounds. Nature Biomedical Engineering, 2021, 5, 1217-1227.	11.6	47
256	A Flexible and Stretchable 12â€Lead Electrocardiogram System with Individually Deformable Interconnects. Advanced Materials Technologies, 2022, 7, 2100904.	3.0	11
257	Multifunctional and Physically Transient Supercapacitors, Triboelectric Nanogenerators, and Capacitive Sensors. Advanced Functional Materials, 2022, 32, 2106066.	7.8	31
258	Ultra-Stretchable and Self-Healing Anti-Freezing Strain Sensors Based on Hydrophobic Associated Polyacrylic Acid Hydrogels. Materials, 2021, 14, 6165.	1.3	4

#	Article	IF	Citations
259	Skin-Inspired Hairâ€"Epidermisâ€"Dermis Hierarchical Structures for Electronic Skin Sensors with High Sensitivity over a Wide Linear Range. ACS Nano, 2021, 15, 16218-16227.	7.3	61
260	Vital signal sensing and manipulation of a microscale organ with a multifunctional soft gripper. Science Robotics, 2021, 6, eabi6774.	9.9	38
261	A wearable and sensitive carbon black-porous polydimethylsiloxane based pressure sensor for human physiological signals monitoring. Journal of Materials Science: Materials in Electronics, 2021, 32, 27656-27665.	1.1	7
262	Disappearing pressure cuffs. Science Translational Medicine, 2019, 11, .	5.8	0
263	Flexible Doppler ultrasound device for the monitoring of blood flow velocity. Science Advances, 2021, 7, eabi9283.	4.7	57
264	A theoretical model of a flexible capacitive pressure sensor with microstructured electrodes for highly sensitive electronic skin. Journal Physics D: Applied Physics, 2022, 55, 094001.	1.3	10
265	Flexible Pressure Sensor with Micro-Structure Arrays Based on PDMS and PEDOT:PSS/PUD&CNTs Composite Film with 3D Printing. Materials, 2021, 14, 6499.	1.3	14
266	Self-Assembled Peptide Nanofibers with Voltage-Regulated Inverse Photoconductance. ACS Applied Materials & Interfaces, 2021, 13, 1057-1064.	4.0	2
267	Stretchable self-powered epidermal electronics from piezoelectric rubber for tactile sensing. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 178701.	0.2	3
268	Recent advances of flexible sensors for biomedical applications. Progress in Natural Science: Materials International, 2021, 31, 872-882.	1.8	42
269	Mechanically Stable Kirigami Deformable Resonant Circuits for Wireless Vibration and Pressure Sensor Applications. ACS Applied Materials & Interfaces, 2021, 13, 54162-54169.	4.0	6
272	Biomimetic integration of tough polymer elastomer with conductive hydrogel for highly stretchable, flexible electronic. Nano Energy, 2022, 92, 106735.	8.2	43
273	A soft-electronic sensor network tracks neuromotor development in infants. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	1
274	A stretchable and strain-unperturbed pressure sensor for motion interferenceâ€"free tactile monitoring on skins. Science Advances, 2021, 7, eabi4563.	4.7	136
275	Electrospun fiber-based high-performance flexible multi-level micro-structured pressure sensor: Design, development and modelling. Chemical Engineering Journal, 2022, 431, 133700.	6.6	25
276	A microwell-based impedance sensor on an insertable microneedle for real-time in vivo cytokine detection. Microsystems and Nanoengineering, 2021, 7, 96.	3.4	12
277	Bioinspired Gasâ€Confined Hollow Microfiber with 2D Conducting Polymer/Graphene Skeleton for Ultrasensitive Liquid Environment Sensor. Advanced Materials Interfaces, 2021, 8, .	1.9	2
278	Natural Polymer in Soft Electronics: Opportunities, Challenges, and Future Prospects. Advanced Materials, 2022, 34, e2105020.	11.1	49

#	Article	IF	Citations
279	Biologically Safe, Degradable Self-Destruction System for On-Demand, Programmable Transient Electronics. ACS Nano, 2021, 15, 19310-19320.	7.3	20
280	Slippery liquid-infused microphase separation surface enables highly robust anti-fouling, anti-corrosion, anti-icing and anti-scaling coating on diverse substrates. Chemical Engineering Journal, 2022, 431, 133945.	6.6	16
281	Recent progress in biodegradable and bioresorbable materials: From passive implants to active electronics. Applied Materials Today, 2021, 25, 101257.	2.3	24
282	Microdome-Tunable Graphene/Carbon Nanotubes Pressure Sensors Based on Polystyrene Array for Wearable Electronics. Materials, 2021, 14, 7385.	1.3	11
284	Application research of pulse signal physiology and pathology feature mining in the field of disease diagnosis. Computer Methods in Biomechanics and Biomedical Engineering, 2022, , 1-14.	0.9	0
285	Electrostatic Interaction-Based High Tissue Adhesive, Stretchable Microelectrode Arrays for the Electrophysiological Interface. ACS Applied Materials & Interfaces, 2022, 14, 4852-4861.	4.0	20
286	An Allâ€Nanofiberâ€Based, Breathable, Ultralight Electronic Skin for Monitoring Physiological Signals. Advanced Materials Technologies, 2022, 7, .	3.0	15
287	A Mechanically Interlocking Strategy Based on Conductive Microbridges for Stretchable Electronics. Advanced Materials, 2022, 34, e2101339.	11.1	35
288	Electrical Failure Mechanism in Stretchable Thin-Film Conductors. ACS Applied Materials & Interfaces, 2022, 14, 3121-3129.	4.0	7
289	Strong Bacterial Cellulose-Based Films with Natural Laminar Alignment for Highly Sensitive Humidity Sensors. ACS Applied Materials & Interfaces, 2022, 14, 3165-3175.	4.0	24
290	Smart bioelectronics and biomedical devices. Bio-Design and Manufacturing, 2022, 5, 1-5.	3.9	4
291	Graphene Porous Foams for Capacitive Pressure Sensing. ACS Applied Nano Materials, 2022, 5, 2973-2983.	2.4	26
292	Novel flexible <scp>piezoelectricâ€conductive</scp> Janus nanofibers integrated membrane with enhanced pressure sensing performance. Journal of Applied Polymer Science, 2022, 139, .	1.3	5
293	Flexible force sensitive frequency reconfigurable antenna base on stretchable conductive fabric. Journal Physics D: Applied Physics, 2022, 55, 195301.	1.3	5
294	A gold nanowire-integrated soft wearable system for dynamic continuous non-invasive cardiac monitoring. Biosensors and Bioelectronics, 2022, 205, 114072.	5.3	15
295	Scotch-tape surface wrinkling based thin-film material properties extraction. Journal of Micromechanics and Microengineering, 2022, 32, 045002.	1.5	2
296	Hydrogel tapes for fault-tolerant strong wet adhesion. Nature Communications, 2021, 12, 7156.	5.8	122
297	Piezoelectric nanogenerators for personalized healthcare. Chemical Society Reviews, 2022, 51, 3380-3435.	18.7	145

#	Article	IF	Citations
298	Biodegradable and Flexible Capacitive Pressure Sensor for Electronic Skins. SSRN Electronic Journal, 0, , .	0.4	0
299	MXene wearables: properties, fabrication strategies, sensing mechanism and applications. Materials Advances, 2022, 3, 3784-3808.	2.6	29
300	A biosensor material with robust mechanical properties, fatigue-resistance, biocompatibility, biodegradability, and anti-freezing capabilities. Journal of Materials Chemistry A, 2022, 10, 8491-8500.	5.2	7
301	Biodegradable and Flexible Capacitive Pressure Sensor for Electronic Skins. SSRN Electronic Journal, 0, , .	0.4	0
302	Impact of Molecular Design on Degradation Lifetimes of Degradable Imine-Based Semiconducting Polymers. Journal of the American Chemical Society, 2022, 144, 3717-3726.	6.6	29
303	An Electrically Conductive Oleogel Paste for Edible Electronics. Advanced Functional Materials, 2022, 32, .	7.8	26
304	Biodegradable Elastomers and Gels for Elastic Electronics. Advanced Science, 2022, 9, e2105146.	5.6	45
305	Challenges in Materials and Devices of Electronic Skin. , 2022, 4, 577-599.		20
306	Advanced Electronics and Artificial Intelligence: Mustâ€Have Technologies Toward Human Body Digital Twins. Advanced Intelligent Systems, 2022, 4, .	3.3	11
307	Piezoelectric Dynamics of Arterial Pulse for Wearable Continuous Blood Pressure Monitoring. Advanced Materials, 2022, 34, e2110291.	11.1	93
308	Programmable Multiwavelength Radio Frequency Spectrometry of Chemophysical Environments through an Adaptable Network of Flexible and Environmentally Responsive, Passive Wireless Elements. Small Science, 2022, 2, .	5.8	4
309	Soft wearable devices for deep-tissue sensing. Nature Reviews Materials, 2022, 7, 850-869.	23.3	103
310	Electronic textiles for energy, sensing, and communication. IScience, 2022, 25, 104174.	1.9	30
311	High-Performance Carbon Nanotube-Based Transient Complementary Electronics. ACS Applied Materials & Interfaces, 2022, 14, 12515-12522.	4.0	6
312	Flexible and Wireless Normalâ€Tangential Force Sensor Based on Resonant Mechanism for Robotic Gripping Applications. Advanced Materials Technologies, 2022, 7, .	3.0	5
313	Natural Material Inspired Organic Thin-Film Transistors for Biosensing: Properties and Applications. , 2022, 4, 918-937.		17
314	Skin-inspired electrochemical tactility and luminescence. Electrochimica Acta, 2022, 415, 140259.	2.6	5
315	Tough Hydrogel Bioadhesives for Sutureless Wound Sealing, Hemostasis and Biointerfaces. Advanced Functional Materials, 2022, 32, .	7.8	67

#	Article	IF	Citations
316	Spatiotemporal Measurement of Arterial Pulse Waves Enabled by Wearable Active-Matrix Pressure Sensor Arrays. ACS Nano, 2022, 16, 368-377.	7.3	63
317	Resorbable elastomers for implantable medical devices: highlights and applications. Polymer International, 2022, 71, 552-561.	1.6	9
318	Self-Healable, Malleable, and Flexible Ionic Polyimine as an Environmental Sensor for Portable Exogenous Pollutant Detection. , 2022, 4, 136-144.		30
319	Defect size and cross-linker properties controlled fracture of biopolymer networks. Extreme Mechanics Letters, 2022, 54, 101743.	2.0	0
320	Flexible microstructured pressure sensors: design, fabrication and applications. Nanotechnology, 2022, 33, 322002.	1.3	27
321	Self-Powered Force Sensors for Multidimensional Tactile Sensing. ACS Applied Materials & Interfaces, 2022, 14, 20122-20131.	4.0	35
322	Ballpoint-Pen Like Probes for Multipoint Dynamic Pulse Diagnosis System. IEEE Sensors Journal, 2022, 22, 12253-12259.	2.4	1
323	Biocompatible Sensors Are Revolutionizing Healthcare Technologies. , 2022, , 227-249.		1
324	Early Notice Pointer, an IoT-like Platform for Point-of-Care Feet and Body Balance Screening. Micromachines, 2022, 13, 682.	1.4	2
325	Occupational heat strain in outdoor workers: A comprehensive review and meta-analysis. Temperature, 2022, 9, 67-102.	1.7	38
326	Progress of flexible strain sensors for physiological signal monitoring. Biosensors and Bioelectronics, 2022, 211, 114298.	5.3	59
327	Wireless real-time capacitance readout based on perturbed nonlinear parity-time symmetry. Applied Physics Letters, 2022, 120, .	1.5	7
328	Fully implantable wireless batteryless vascular electronics with printed soft sensors for multiplex sensing of hemodynamics. Science Advances, 2022, 8, eabm1175.	4.7	41
329	Biodegradable and flexible capacitive pressure sensor for electronic skins. Organic Electronics, 2022, 106, 106539.	1.4	9
330	Intelligent wireless theranostic contact lens for electrical sensing and regulation of intraocular pressure. Nature Communications, 2022, 13, 2556.	5.8	36
331	Measurement of Pulsating Flow Using a Self-Attachable Flexible Strain Sensor Based on Adhesive PDMS and CNT. Chemosensors, 2022, 10, 187.	1.8	4
332	Scalable Three-Dimensional Recording Electrodes for Probing Biological Tissues. Nano Letters, 2022, 22, 4552-4559.	4.5	9
333	A Repeater Antenna System Utilizing Genetically Modified Bacteria for Multiscale Communications. , 2022, , .		2

#	Article	IF	Citations
334	Integrating MXene waste materials into value-added products for smart wearable self-powered healthcare monitoring. Cell Reports Physical Science, 2022, 3, 100908.	2.8	8
335	Ultrasound monitoring of microcirculation: An original study from the laboratory bench to the clinic. Microcirculation, 2022, 29, .	1.0	9
336	Current state and future prospects of sensors for evaluating polymer biodegradability and sensors made from biodegradable polymers: A review. Analytica Chimica Acta, 2022, 1217, 339989.	2.6	18
337	Detection Range Enhancement of Stretchable Ultrasensitive Crackâ€Based Strain Sensor with Ordered Ag Nanowire Micromeshes for Human Epidermis Monitoring. Advanced Engineering Materials, 2022, 24, .	1.6	4
338	Autonomous push buttonâ€"controlled rapid insulin release from a piezoelectrically activated subcutaneous cell implant. Science Advances, 2022, 8, .	4.7	14
339	Wide-range robust wireless power transfer using heterogeneously coupled and flippable neutrals in parity-time symmetry. Science Advances, 2022, 8, .	4.7	13
340	Advances in Biodegradable Electronic Skin: Material Progress and Recent Applications in Sensing, Robotics, and Humanâ€"Machine Interfaces. Advanced Materials, 2023, 35, .	11.1	82
342	Human body IoT systems based on the triboelectrification effect: energy harvesting, sensing, interfacing and communication. Energy and Environmental Science, 2022, 15, 3688-3721.	15.6	93
343	Morphological Engineering of Sensing Materials for Flexible Pressure Sensors and Artificial Intelligence Applications. Nano-Micro Letters, 2022, 14, .	14.4	75
344	Biodegradable sensors are ready to transform autonomous ecological monitoring. Nature Ecology and Evolution, 2022, 6, 1245-1247.	3.4	13
345	Fully implantable batteryless soft platforms with printed nanomaterial-based arterial stiffness sensors for wireless continuous monitoring of restenosis in real time. Nano Today, 2022, 46, 101557.	6.2	10
346	Biodegradable germanium electronics for integrated biosensing of physiological signals. Npj Flexible Electronics, 2022, 6, .	5.1	11
347	Self-powered and self-sensing devices based on human motion. Joule, 2022, 6, 1501-1565.	11.7	70
348	Recent advances in flexible force sensors and their applications: a review. Flexible and Printed Electronics, 2022, 7, 033002.	1.5	6
349	Piezoelectric approaches for wearable continuous blood pressure monitoring: a review. Journal of Micromechanics and Microengineering, 2022, 32, 103003.	1.5	11
350	<scp>Polydimethylsiloxane</scp> /carboxylated h <scp>ydroxylated multiwalled carbon nanotubes/polyimide</scp> composite membrane wearable flexible piezoresistive tactile sensor device with microsphere array. Journal of Applied Polymer Science, 0, , .	1.3	2
351	Mechanically Active Materials and Devices for Bioâ€Interfaced Pressure Sensorsâ€"A Review. Advanced Materials, 0, , .	11.1	14
352	Ramie Fabric Treated with Carboxymethylcellulose and Laser Engraved for Strain and Humidity Sensing. Micromachines, 2022, 13, 1309.	1.4	9

#	Article	IF	Citations
353	Piezo Capsule: Ultrasonic Way of Wireless Pressure Measurement. Advanced Intelligent Systems, 0, , 2200125.	3.3	0
354	Mechanical Sensors for Cardiovascular Monitoring: From Battery-Powered to Self-Powered. Biosensors, 2022, 12, 651.	2.3	8
355	Soft and Stretchable Liquid Metalâ€"Elastomer Composite for Wearable Electronics. ACS Applied Materials & Interfaces, 2022, 14, 38196-38204.	4.0	8
356	Implants with Sensing Capabilities. Chemical Reviews, 2022, 122, 16329-16363.	23.0	33
357	Ultra-sensitive and flexible electronic skin from nanocellulose/AgNWs hydrogel films with highly transparent, antibacterial and electromagnetic shielding properties. Composites Science and Technology, 2022, 228, 109679.	3.8	17
358	Ultrasound-driven in vivo electrical stimulation based on biodegradable piezoelectric nanogenerators for enhancing and monitoring the nerve tissue repair. Nano Energy, 2022, 102, 107707.	8.2	45
359	Bulk Erosion Degradation Mechanism for Poly(1,8-octanediol-co-citrate) Elastomer: An In Vivo and In Vitro Investigation. Biomacromolecules, 2022, 23, 4268-4281.	2.6	10
360	Structure-regenerated silk fibroin with boosted piezoelectricity for disposable and biodegradable oral healthcare device. Nano Energy, 2022, 103, 107787.	8.2	17
361	Regulated extravascular microenvironment via reversible thermosensitive hydrogel for inhibiting calcium influx and vasospasm. Bioactive Materials, 2023, 21, 422-435.	8.6	6
362	Structure-Regenerated Silk Fibroin with Boosted Piezoelectricity for Disposable and Biodegradable Oral Healthcare Device. SSRN Electronic Journal, 0, , .	0.4	0
363	Biodegradable bioelectronics for biomedical applications. Journal of Materials Chemistry B, 2022, 10, 8575-8595.	2.9	6
364	Bioinspired Nanomaterials and Nanostructures from Nanobiology to Nanomedicine. Micro/Nano Technologies, 2022, , 1-31.	0.1	0
365	A review of inkjet printing technology for personalized-healthcare wearable devices. Journal of Materials Chemistry C, 2022, 10, 14091-14115.	2.7	14
366	Integrated temperature and pressure dual-mode sensors based on elastic PDMS foams decorated with thermoelectric PEDOT:PSS and carbon nanotubes for human energy harvesting and electronic-skin. Journal of Materials Chemistry A, 2022, 10, 18256-18266.	5.2	47
367	Preparation of artificial graphite coated with sodium alginate as a negative electrode material for lithium-ion battery study and its lithium storage properties. Materials Advances, 2022, 3, 8958-8966.	2.6	3
368	Functionality of Flexible Pressure Sensors in Cardiovascular Health Monitoring: A Review. ACS Sensors, 2022, 7, 2495-2520.	4.0	34
369	Foodâ€Based Capacitive Sensors Using a Dynamic Permittivity Change with Hydrogels Responsive to Hydrogen Peroxide. Advanced Materials Technologies, 2022, 7, .	3.0	6
370	Thermally Degradable Inductors with Water-Resistant Metal Leaf/Oleogel Wires and Gelatin/Chitosan Hydrogel Films. ACS Applied Materials & Interfaces, 2022, 14, 44697-44703.	4.0	4

#	Article	IF	Citations
371	An Edible and Nutritive Zinc-Ion Micro-supercapacitor in the Stomach with Ultrahigh Energy Density. ACS Nano, 2022, 16, 15261-15272.	7.3	28
372	Mo2Câ€"C quasi-sphere architecture for the flexible sensor in the movement monitor. Journal of Materials Science: Materials in Electronics, 2022, 33, 22007-22016.	1.1	0
373	Biodegradable polymeric materials for flexible and degradable electronics. Frontiers in Electronics, 0, 3, .	2.0	10
374	Wearable, wireless, multi-sensor device for monitoring tissue circulation after free-tissue transplantation: a multicentre clinical trial. Scientific Reports, 2022, 12, .	1.6	4
375	Materials and Biomedical Applications of Implantable Electronic Devices. Advanced Materials Technologies, 2023, 8, .	3.0	6
376	Lowâ€Temperature Plasma Sintering of Inkjetâ€Printed Metal Salt Decomposition Inks on Flexible Substrates. Advanced Engineering Materials, 2023, 25, .	1.6	2
377	Bridging wounds: tissue adhesivesâ€™ essential mechanisms, synthesis and characterization, bioinspired adhesives and future perspectives. Burns and Trauma, 2022, 10, .	2.3	12
378	Tunable and Self-Healing Properties of Polysaccharide-Based Hydrogels through Polymer Architecture Modulation. ACS Sustainable Chemistry and Engineering, 2022, 10, 14053-14063.	3.2	16
379	High-speed, scanned laser structuring of multi-layered eco/bioresorbable materials for advanced electronic systems. Nature Communications, 2022, 13, .	5.8	14
380	Novel Nanotechnology-Driven Prototypes for AI-Enriched Implanted Prosthetics Following Organ Failure. Methods in Molecular Biology, 2023, , 195-237.	0.4	0
381	Hydrogel-Based Smart Contact Lens for Highly Sensitive Wireless Intraocular Pressure Monitoring. ACS Sensors, 2022, 7, 3014-3022.	4.0	19
382	Wearable Capacitive Pressure Sensor for Contact and Non-Contact Sensing and Pulse Waveform Monitoring. Molecules, 2022, 27, 6872.	1.7	13
383	Micro-/Nano-Structured Biodegradable Pressure Sensors for Biomedical Applications. Biosensors, 2022, 12, 952.	2.3	8
384	Capacitiveâ€"piezoresistive hybrid flexible pressure sensor based on conductive micropillar arrays with high sensitivity over a wide dynamic range. Materials Horizons, 2023, 10, 499-511.	6.4	20
385	Hermetic and Bioresorbable Packaging Materials for MEMS Implantable Pressure Sensors: A Review. IEEE Sensors Journal, 2022, 22, 23633-23648.	2.4	3
386	Multiâ€vital onâ€skin optoelectronic biosensor for assessing regional tissue hemodynamics. SmartMat, 2023, 4, .	6.4	3
387	All Digital Light Processingâ€3D Printing of Flexible Sensor. Advanced Materials Technologies, 2023, 8, .	3.0	5
388	Biomechanical Sensing Systems for Cardiac Activity Monitoring. International Journal of Biomaterials, 2022, 2022, 1-14.	1.1	0

#	Article	IF	Citations
389	Intelligent wearable devices based on nanomaterials and nanostructures for healthcare. Nanoscale, 2023, 15, 405-433.	2.8	16
390	Photolithographyâ€Based Microfabrication of Biodegradable Flexible and Stretchable Sensors. Advanced Materials, 2023, 35, .	11.1	11
391	The Soft-Strain Effect Enabled High-Performance Flexible Pressure Sensor and Its Application in Monitoring Pulse Waves. Research, 2022, 2022, .	2.8	7
392	Moving toward smart biomedical sensing. Biosensors and Bioelectronics, 2023, 223, 115009.	5.3	11
393	An Implantable Sensor for Arterial Pressure Monitoring with Minimal Loading: Design and Finite Element Validation. , 2022, , .		1
394	An RFID-Based Sensor for Vascular Flow Monitoring. , 2022, , .		0
395	Nanogenerator-based bidirectional pressure sensor array and its demonstration in underwater invasive species detection. Nano Research, 0, , .	5.8	4
396	Silent Speech Recognition with Strain Sensors and Deep Learning Analysis of Directional Facial Muscle Movement. ACS Applied Materials & Interfaces, 2022, 14, 54157-54169.	4.0	8
398	Three-dimensional printing of soft hydrogel electronics. Nature Electronics, 2022, 5, 893-903.	13.1	51
399	Porous AgNWs/Poly(vinylidene fluoride) Composite-Based Flexible Piezoresistive Sensor with High Sensitivity and Wide Pressure Ranges. ACS Applied Materials & Interfaces, 2022, 14, 55119-55129.	4.0	21
400	Electrochemical biomaterials for self-powered implantable â€œtissue batteriesâ€• A tutorial review. Nano Research, 2023, 16, 5447-5463.	5.8	2
401	Ultrahigh-Resolution Wireless Capacitance Readout Based on a Single Real Mode in a Perturbed <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mrow><mml:mi>P</mml:mi><mml:mi>T</mml:mi></mml:mrow></mml:math> -Symmetric Electronic Trimer Sandwich. Physical Review Applied, 2022, 18, .	1.5	3
402	Ultrashort 15-nm flexible radio frequency ITO transistors enduring mechanical and temperature stress. Science Advances, 2022, 8, .	4.7	2
403	Epigenetics Changes in Renin Angiotensin System (RAS): Application of Biosensors for Monitoring These Changes. , 2023, , 105-113.		0
404	An Overview of Flexible Sensors: Development, Application, and Challenges. Sensors, 2023, 23, 817.	2.1	13
405	Bioinspired Nanomaterials and Nanostructures from Nanobiology to Nanomedicine. Micro/Nano Technologies, 2023, , 19-48.	0.1	1
406	The Capacitive Sensing of the Pulsatile Liquid Flowâ€"Investigation on a Physical Vascular Model. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-8.	2.4	1
407	Selfâ€Powered Nanofluidic Pressure Sensor with a Linear Transfer Mechanism. Advanced Functional Materials, 2023, 33, .	7.8	20

#	Article	IF	Citations
408	Unravelling the impact of carbon allotropes in flexible polydimethylsiloxane film towards self-powered triboelectric humidity sensor. Carbon, 2023, 205, 328-335.	5.4	6
409	Robust Neural Interfaces with Photopatternable, Bioadhesive, and Highly Conductive Hydrogels for Stable Chronic Neuromodulation. ACS Nano, 2023, 17, 885-895.	7.3	19
410	Isotropic conductive paste for bioresorbable electronics. Materials Today Bio, 2023, 18, 100541.	2.6	6
411	Heart Attack Detector: An IoT based solution integrated with cloud. , 2022, , .		0
412	Tween-80 improves single/coaxial electrospinning of three-layered bioartificial blood vessel. Journal of Materials Science: Materials in Medicine, 2023, 34, .	1.7	2
413	Engineering Materials for Neurotechnology. Advanced Engineering Materials, 2023, 25, .	1.6	0
414	Aerosol Jet Printing of Multiâ€Dimensional OECT Force Sensor with High Sensitivity and Large Measuring Range. Advanced Materials Technologies, 2023, 8, .	3.0	9
415	Integrated Sensing Devices for Brain-Computer Interfaces. , 2023, , 241-258.		0
416	Material Design in Implantable Biosensors toward Future Personalized Diagnostics and Treatments. Applied Sciences (Switzerland), 2023, 13, 4630.	1.3	1
417	Biocompatible and Long-Term Monitoring Strategies of Wearable, Ingestible and Implantable Biosensors: Reform the Next Generation Healthcare. Sensors, 2023, 23, 2991.	2.1	18
418	Wearable, Implantable, Parityâ€Time Symmetric Bioresonators for Extremely Small Biological Signal Monitoring. Advanced Materials Technologies, 2023, 8, .	3.0	3
419	A co-axial indirect transfer printing process technology applied to the production of flexible serpentine silver micro-nanowires. Journal of Materials Processing Technology, 2023, 317, 117970.	3.1	0
420	Robust polyethylene sensor complex for multi-dimensional monitoring. Chemical Engineering Journal, 2023, 463, 142407.	6.6	1
421	Oriented Ti3C2Tx MXene-doped silk fibroin/hyaluronic acid hydrogels for sensitive compression strain monitoring with a wide resilience range and high cycling stability. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2023, 665, 131221.	2.3	2
422	Emerging ultrasonic bioelectronics for personalized healthcare. Progress in Materials Science, 2023, 136, 101110.	16.0	10
423	Biodegradable Implantable Microsystems. , 2022, , .		0
424	Airâ€Permeable Textile Bioelectronics for Wearable Energy Harvesting and Active Sensing. Advanced Materials Technologies, 2023, 8, .	3.0	5
425	Enhanced RF response of 3D-printed wireless LC sensors using dielectrics with high permittivity. Flexible and Printed Electronics, 2023, 8, 015013.	1.5	4

#	Article	IF	Citations
426	Flexible Transient Bioelectronic System Enables Multifunctional Activeâ€Controlled Drug Delivery. Advanced Functional Materials, 2023, 33, .	7.8	9
427	Bioresorbable Pressure Sensor and Its Applications in Abnormal Respiratory Event Identification. ACS Applied Electronic Materials, 2023, 5, 1761-1769.	2.0	8
428	Flexible, Permeable, and Recyclable Liquidâ€Metalâ€Based Transient Circuit Enables Contact/Noncontact Sensing for Wearable Humanâ€"Machine Interaction. Small Methods, 2023, 7, .	4.6	26
429	Wireless Batteryâ€Free Flexible Sensing System for Continuous Wearable Health Monitoring. Advanced Materials Technologies, 2023, 8, .	3.0	3
430	Embedment of sensing elements for robust, highly sensitive, and cross-talkâ€"free iontronic skins for robotics applications. Science Advances, 2023, 9, .	4.7	40
431	Highly stretchable ionotronic pressure sensors with broad response range enabled by microstructured ionogel electrodes. Journal of Materials Chemistry A, 2023, 11, 7201-7212.	5.2	10
432	Silk fibroin based wearable electrochemical sensors with biomimetic enzyme-like activity constructed for durable and on-site health monitoring. Biosensors and Bioelectronics, 2023, 228, 115198.	5.3	9
433	Fully paper-integrated hydrophobic and air permeable piezoresistive sensors for high-humidity and underwater wearable motion monitoring. Npj Flexible Electronics, 2023, 7, .	5.1	15
434	Soft Electronics for Health Monitoring Assisted by Machine Learning. Nano-Micro Letters, 2023, 15, .	14.4	23
435	Recent Advances in Biodegradable Green Electronic Materials and Sensor Applications. Advanced Materials, 2023, 35, .	11.1	11
436	Zinc hybrid sintering for printed transient sensors and wireless electronics. Npj Flexible Electronics, 2023, 7, .	5.1	7
437	Acoustic Flow Sensor Using a Passive Bell Transducer. IEEE Sensors Journal, 2023, 23, 20553-20560.	2.4	0
438	Incorporating Wireless Strategies to Wearable Devices Enabled by a Photocurable HydrogelÂfor Monitoring Pressure Information. Advanced Materials, 2023, 35, .	11.1	16
439	A Degradable Sensor Based on Insect Protein for Postsurgical Diagnosis of Joint Health. Advanced Materials Technologies, 0, , .	3.0	0
440	Eco-Friendly Bionic Flexible Multifunctional Sensors Based on Biomassâ€"MXene Composites. ACS Sustainable Chemistry and Engineering, 2023, 11, 5834-5844.	3.2	4
441	Resealable Antithrombotic Artificial Vascular Graft Integrated with a Self-Healing Blood Flow Sensor. ACS Nano, 2023, 17, 7296-7310.	7.3	2
442	A battery-less wireless implant for the continuous monitoring of vascular pressure, flow rate and temperature. Nature Biomedical Engineering, 2023, 7, 1215-1228.	11.6	23
443	Fabrication, Comparison, Optimization, and Applications of Conductive Graphene Patterns Induced via CO2 and Diode Lasers. Lasers in Manufacturing and Materials Processing, 2023, 10, 276-295.	1.2	0

#	Article	IF	Citations
444	Nature-Driven Biocompatible Epidermal Electronic Skin for Real-Time Wireless Monitoring of Human Physiological Signals. ACS Applied Materials & Interfaces, 2023, 15, 20372-20384.	4.0	8
445	Batteryâ€Free, Wireless, Cuffâ€Type, Multimodal Physical Sensor for Continuous Temperature and Strain Monitoring of Nerve. Small, 2023, 19, .	5.2	6
446	Structural Design and Optimization of Engine Oil Pressure Sensor. , 2023, , .		0
447	Integrated intelligent tactile system for a humanoid robot. Science Bulletin, 2023, 68, 1027-1037.	4.3	8
448	Wireless and Flexible Tactile Sensing Array Based on an Adjustable Resonator with Machineâ€Learning Perception. Advanced Electronic Materials, 2023, 9, .	2.6	4
454	Biodegradable sensor platforms. , 2023, , 775-801.		0
464	Soft Conductive Interfacing for Bioelectrical Uses: Adhesion Mechanisms and Structural Approaches. Macromolecules, 2023, 56, 4431-4446.	2.2	3
483	Sustainable electronic textiles towards scalable commercialization. Nature Materials, 2023, 22, 1294-1303.	13.3	15
489	Au-Based Biocompatible Capacitive Strain Sensor. , 2023, , .		0
515	Recent advances in smart wearable sensors as electronic skin. Journal of Materials Chemistry B, 2023, 11, 10332-10354.	2.9	0
527	Implanted Stretch Sensor for Blood Pressure Measurement: Pig Study and Benchtop Evaluation. , 2023, , .		0
528	Simple Fabrication Process for High-Sensitive Flexible Capacitive Force Sensor Using PDMS. , 2023, , .		0
537	Solid-state, liquid-free ion-conducting elastomers: rising-star platforms for flexible intelligent devices. Materials Horizons, 2024, 11, 1152-1176.	6.4	0
538	Advances in Wireless, Batteryless, Implantable Electronics for Real-Time, Continuous Physiological Monitoring. Nano-Micro Letters, 2024, 16, .	14.4	0
539	A Microcontroller-based Lie Detection System Leveraging Physiological Signals. , 2023, , .		0
553	Implantable soft electronics and sensors. , 2024, , 393-435.		0
557	Processing techniques for bioresorbable-based composites for medical device applications. , 2024, , 41-62.		0
558	Introduction to bioresorbable polymers: Types and biomedical applications. , 2024, , 3-22.		0

#	Article	IF	Citations
562	An Improved Artery Pressure Sensor Design That Minimally Disturbs Blood Pressure and Flow. , 2023, , .		0
563	Skin-adhesive and self-healing diagnostic wound dressings for diabetic wound healing recording and electrophysiological signal monitoring. Materials Horizons, 0, , .	6.4	0