

Ultrathin, highly flexible and stretchable PLEDs

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Highly conductive spray deposited poly(3, 4-ethylenedioxythiophene):poly (styrenesulfonate) electrodes for indium tin oxide-free small molecule organic photovoltaic devices. Applied Physics Letters, 2013, 103, 173304.	1.5	10
3	Light-emitting electronic skin. Nature Photonics, 2013, 7, 769-771.	15.6	82
4	Highly efficient and air-stable inverted organic light-emitting diode composed of inert materials. Applied Physics Express, 2014, 7, 082104.	1.1	64
5	Bionic skins using flexible organic devices. , 2014, , .		2
6	Multi-Periodic Photonic Crystal Out-Coupling Layers for Flexible OLEDs. , 2014, , .		0
7	Luminance enhancement of electroluminescent devices using highly dielectric UV-curable polymer and oxide nanoparticle composite. Optical Materials Express, 2014, 4, 1824.	1.6	14
8	11.2: <i>Invited Paper</i>: Imperceptible Electronic Skin. Digest of Technical Papers SID International Symposium, 2014, 45, 122-125.	0.1	8
9	Heteropolar Charging of Ferroelectrets for Flexible Keyboards and Tactile Sensors. Ferroelectrics, 2014, 472, 90-99.	0.3	1
10	PW: All Solution Processable of Color Tunable Quantum Dot Light&#Emitting Diodes. Digest of Technical Papers SID International Symposium, 2014, 45, 1312-1314.	0.1	0
11	Mechanical analysis of organic flexible devices by finite element calculation. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 795-799.	0.8	14
12	Temperature- and size-dependent characteristics in ultrathin inorganic light-emitting diodes assembled by transfer printing. Applied Physics Letters, 2014, 104, .	1.5	35
13	Flexible Ag electrode for quantum dot light-emitting diode. Applied Physics A: Materials Science and Processing, 2014, 117, 593-596.	1.1	1
14	Localized photovoltaic investigations on organic semiconductors and bulk heterojunction solar cells. Science and Technology of Advanced Materials, 2014, 15, 054201.	2.8	1
15	25th Anniversary Article: A Soft Future: From Robots and Sensor Skin to Energy Harvesters. Advanced Materials, 2014, 26, 149-162.	11.1	732
16	Non-volatile organic memory with sub-millimetre bending radius. Nature Communications, 2014, 5, 3583.	5.8	196
17	All&#Elastomeric, Strain&#Responsive Thermo-chromic Color Indicators. Small, 2014, 10, 1266-1271.	5.2	56
18	Stretchable Gas Barrier Achieved with Partially Hydrogen&#Bonded Multilayer Nanocoating. Macromolecular Rapid Communications, 2014, 35, 960-964.	2.0	39
19	Soft Microfluidic Assemblies of Sensors, Circuits, and Radios for the Skin. Science, 2014, 344, 70-74.	6.0	982

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20	Fully Flexible GaN Light-Emitting Diodes through Nanovoid-Mediated Transfer. <i>Advanced Optical Materials</i> , 2014, 2, 267-274.	3.6	35
21	Unobtrusive Sensing and Wearable Devices for Health Informatics. <i>IEEE Transactions on Biomedical Engineering</i> , 2014, 61, 1538-1554.	2.5	607
22	Materials capability and device performance in flexible electronics for the Internet of Things. <i>Journal of Materials Chemistry C</i> , 2014, 2, 1220-1232.	2.7	150
23	Hole-Transporting Spirothioxanthene Derivatives as Donor Materials for Efficient Small-Molecule-Based Organic Photovoltaic Devices. <i>Chemistry of Materials</i> , 2014, 26, 6585-6594.	3.2	42
24	High-performance stretchable transparent electrodes based on silver nanowires synthesized via an eco-friendly halogen-free method. <i>Journal of Materials Chemistry C</i> , 2014, 2, 10369-10376.	2.7	101
25	The role of substrate pre-stretch in post-wrinkling bifurcations. <i>Soft Matter</i> , 2014, 10, 6520.	1.2	46
26	Highly stretchable and conductive silver nanowire thin films formed by soldering nanomesh junctions. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 19856-19860.	1.3	47
27	A highly flexible and compact magnetoresistive analytic device. <i>Lab on A Chip</i> , 2014, 14, 4050-4058.	3.1	60
28	Ultraflexible organic transistor active matrix using self-assembled monolayer gate dielectrics. , 2014, , .		0
29	Critical temperature and products of intrachain polaron recombination in conjugated polymers. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 17072-17080.	1.3	34
30	Bionic skins using flexible organic devices. , 2014, , .		12
31	Highly efficient white quantum dot light-emitting diode based on ZnO quantum dot. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 117, 589-591.	1.1	6
32	Cephalopod-inspired design of electro-mechano-chemically responsive elastomers for on-demand fluorescent patterning. <i>Nature Communications</i> , 2014, 5, 4899.	5.8	202
33	Metal Residues in Semiconducting Polymers: Impact on the Performance of Organic Electronic Devices. <i>ACS Macro Letters</i> , 2014, 3, 1134-1138.	2.3	102
34	Polymer-Assisted Metal Deposition (PAMD): A Full-Solution Strategy for Flexible, Stretchable, Compressible, and Wearable Metal Conductors. <i>Advanced Materials</i> , 2014, 26, 5508-5516.	11.1	170
35	Imide- and Amide-Functionalized Polymer Semiconductors. <i>Chemical Reviews</i> , 2014, 114, 8943-9021.	23.0	874
36	High photosensitivity with enhanced photoelectrical contribution in hybrid nanocomposite flexible UV photodetector. <i>Organic Electronics</i> , 2014, 15, 2107-2115.	1.4	34
37	Temperature Effects on the Scattering of Polarons and Bipolarons in Organic Conductors. <i>Journal of Physical Chemistry A</i> , 2014, 118, 6272-6277.	1.1	11

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38	Flexible chalcogenide photonics. <i>Nature Photonics</i> , 2014, 8, 591-593.	15.6	6
39	Control of active semiconducting layer packing in organic thin film transistors through synthetic tailoring of dielectric materials. <i>RSC Advances</i> , 2014, 4, 29383-29392.	1.7	4
40	Three-dimensionally deformable, highly stretchable, permeable, durable and washable fabric circuit boards. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2014, 470, 20140472.	1.0	56
41	Thermal Effects in a Bendable InGaN/GaN Quantum-Well Light-Emitting Diode. <i>IEEE Photonics Technology Letters</i> , 2014, 26, 1442-1445.	1.3	2
42	Microflotronics: A Flexible, Transparent, Pressure-Sensitive Microfluidic Film. <i>Advanced Functional Materials</i> , 2014, 24, 6195-6203.	7.8	66
43	Flexible Crossbar-Structured Resistive Memory Arrays on Plastic Substrates via Inorganic-Based Laser Lift-Off. <i>Advanced Materials</i> , 2014, 26, 7480-7487.	11.1	118
44	Reactive Scattering between Excitons and Charge Carriers in Conjugated Polymers. <i>Journal of Physical Chemistry C</i> , 2014, 118, 23451-23458.	1.5	13
45	A Rapid and Facile Soft Contact Lamination Method: Evaluation of Polymer Semiconductors for Stretchable Transistors. <i>Chemistry of Materials</i> , 2014, 26, 4544-4551.	3.2	101
46	Temperature effects on intrachain recombination of bipolarons in conjugated polymers. <i>Chemical Physics Letters</i> , 2014, 614, 151-155.	1.2	12
47	Mechanically Gated Electrical Switches by Creasing of Patterned Metal/Elastomer Bilayer Films. <i>Advanced Materials</i> , 2014, 26, 4381-4385.	11.1	55
48	Fully-printed high-performance organic thin-film transistors and circuitry on one-micron-thick polymer films. <i>Nature Communications</i> , 2014, 5, 4147.	5.8	337
49	Stretchable organic memory: toward learnable and digitized stretchable electronic applications. <i>NPG Asia Materials</i> , 2014, 6, e87-e87.	3.8	74
50	Stretchable Carbon Nanotube/Ion-Gel Supercapacitors with High Durability Realized through Interfacial Microroughness. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 13578-13586.	4.0	86
51	Novel Graphene/Carbon Nanotube Composite Fibers for Efficient Wire-Shaped Miniature Energy Devices. <i>Advanced Materials</i> , 2014, 26, 2868-2873.	11.1	305
52	Effect of Varying Thiophene Units on Charge Transport and Photovoltaic Properties of Poly(phenylene) Tj ETQq0 0 0 rgBT /Overlock 10 215, 1473-1484.	1.1	3
54	Highly Stretchable Polymer Transistors Consisting Entirely of Stretchable Device Components. <i>Advanced Materials</i> , 2014, 26, 3706-3711.	11.1	157
55	Flexible supercapacitors based on carbon nanomaterials. <i>Journal of Materials Chemistry A</i> , 2014, 2, 10756.	5.2	402
56	Engineering semiconducting polymers for efficient charge transport. <i>MRS Communications</i> , 2015, 5, 383-395.	0.8	78

#	ARTICLE	IF	CITATIONS
57	Ultraflexible organic electronics. MRS Bulletin, 2015, 40, 1130-1137.	1.7	17
58	Synergistic High Charge-Storage Capacity for Multi-level Flexible Organic Flash Memory. Scientific Reports, 2015, 5, 12299.	1.6	50
59	Graphene oxide/PEDOT:PSS as injection layer for quantum dot light emitting diode. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 2856-2861.	0.8	9
60	Glass and Plastics Platforms for Foldable Electronics and Displays. Advanced Materials, 2015, 27, 4969-4974.	11.1	38
61	Highly Compressible and All-Solid-State Supercapacitors Based on Nanostructured Composite Sponge. Advanced Materials, 2015, 27, 6002-6008.	11.1	217
62	High Luminance Fiber-Based Polymer Light-Emitting Devices by a Dip-Coating Method. Advanced Electronic Materials, 2015, 1, 1500103.	2.6	94
63	A Large-Scale Flexible Plasmonic Nanorod Array with Multifunction of Strong Photoluminescence Emission and Radiation Enhancement. Advanced Optical Materials, 2015, 3, 1355-1361.	3.6	7
64	Stretchable Si Logic Devices with Graphene Interconnects. Small, 2015, 11, 6272-6277.	5.2	15
65	Highly Stretchable and Sensitive Strain Sensors Using Fragmentized Graphene Foam. Advanced Functional Materials, 2015, 25, 4228-4236.	7.8	560
66	Amine-Based Interfacial Molecules for Inverted Polymer-Based Optoelectronic Devices. Advanced Materials, 2015, 27, 3553-3559.	11.1	77
67	Silver-Based Nanoparticles for Surface Plasmon Resonance in Organic Optoelectronics. Particle and Particle Systems Characterization, 2015, 32, 164-175.	1.2	106
68	Fabrication of GaN-Based White Light-Emitting Diodes on Yttrium Aluminum Garnet-Polydimethylsiloxane Flexible Substrates. Advances in Materials Science and Engineering, 2015, 1-5.	1.0	7
69	Stretchable Silver Nanowire-Elastomer Composite Microelectrodes with Tailored Electrical Properties. ACS Applied Materials & Interfaces, 2015, 7, 13467-13475.	4.0	77
70	A Self-Charging Power Unit by Integration of a Textile Triboelectric Nanogenerator and a Flexible Lithium-Ion Battery for Wearable Electronics. Advanced Materials, 2015, 27, 2472-2478.	11.1	646
71	Stretchability of Silver Films on Thin Acid-Etched Rough Polydimethylsiloxane Substrates Fabricated by Electrospray Deposition. Journal of Electronic Materials, 2015, 44, 2514-2521.	1.0	2
72	The influence of a brittle Cr interlayer on the deformation behavior of thin Cu films on flexible substrates: Experiment and model. Acta Materialia, 2015, 89, 278-289.	3.8	76
73	Cost-Efficient Open Source Desktop Size Radial Stretching System With Force Sensor. IEEE Access, 2015, 3, 556-561.	2.6	21
74	Stretchable photo sensor using perylene/graphene composite on ridged polydimethylsiloxane substrate. Optics Express, 2015, 23, 30583.	1.7	15

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75	Two Photolithographic Patterning Schemes for PEDOT:PSS and their Applications in Organic Light Emitting Diodes. <i>Journal of Display Technology</i> , 2015, , 1-1.	1.3	4
76	A low-temperature sintered heterostructure solid film of coordination polymer nanoparticles: an electron-rectifier function based on partially oxidised/reduced conductor phases of Prussian blue. <i>RSC Advances</i> , 2015, 5, 96297-96304.	1.7	12
77	Emission from Charge Recombination during the Pulse Radiolysis of Bis(diarylamino)dihydro-indenoindene Derivatives. <i>Journal of Physical Chemistry C</i> , 2015, 119, 17818-17824.	1.5	0
78	Efficient and bright polymer light emitting field effect transistors. <i>Organic Electronics</i> , 2015, 17, 371-376.	1.4	25
79	Aluminum-Modified Molybdenum Trioxide for Electron Injection in Inverted Organic Light-Emitting Diodes. <i>Journal of Display Technology</i> , 2015, 11, 273-277.	1.3	6
80	Stretchable Graphene Thermistor with Tunable Thermal Index. <i>ACS Nano</i> , 2015, 9, 2130-2137.	7.3	293
81	Stretchable and Conformable Oxide Thin-Film Electronics. <i>Advanced Electronic Materials</i> , 2015, 1, 1400038.	2.6	78
82	Imperceptible magnetoelectronics. <i>Nature Communications</i> , 2015, 6, 6080.	5.8	184
83	Polythiophene Nanofibril Bundles Surface-Embedded in Elastomer: A Route to a Highly Stretchable Active Channel Layer. <i>Advanced Materials</i> , 2015, 27, 1255-1261.	11.1	166
84	Flexible, stretchable, and patchable organic devices integrated on freestanding polymeric substrates. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015, 53, 453-460.	2.4	42
85	Direct Transfer of Magnetic Sensor Devices to Elastomeric Supports for Stretchable Electronics. <i>Advanced Materials</i> , 2015, 27, 1333-1338.	11.1	69
86	Flexible Distributed Bragg Reflectors from Nanocolumnar Templates. <i>Advanced Optical Materials</i> , 2015, 3, 171-175.	3.6	16
87	Polaron stability in molecular semiconductors: theoretical insight into the impact of the temperature, electric field and the system dimensionality. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 8973-8982.	1.3	36
88	Synthesis of poly(3,4-ethylenedioxythiophene) : poly(styrene sulfonate)-capped silver nanoparticles and their application to blue polymer light-emitting diodes. <i>Korean Journal of Chemical Engineering</i> , 2015, 32, 534-539.	1.2	5
89	Biomimicking Topographic Elastomeric Petals (E-Petals) for Omnidirectional Stretchable and Printable Electronics. <i>Advanced Science</i> , 2015, 2, 1400021.	5.6	96
90	Flexible and Highly Sensitive Strain Sensors Fabricated by Pencil Drawn for Wearable Monitor. <i>Advanced Functional Materials</i> , 2015, 25, 2395-2401.	7.8	439
91	New faces of porous Prussian blue: interfacial assembly of integrated hetero-structures for sensing applications. <i>Chemical Society Reviews</i> , 2015, 44, 7997-8018.	18.7	240
92	Capillary origami of micro-machined micro-objects: Bi-layer conductive hinges. <i>Microelectronic Engineering</i> , 2015, 140, 60-66.	1.1	12

#	ARTICLE	IF	CITATIONS
93	The effects of compressive stress on the performance of organic light-emitting diodes. <i>Organic Electronics</i> , 2015, 24, 272-279.	1.4	14
94	Liquid metals as ultra-stretchable, soft, and shape reconfigurable conductors. <i>Proceedings of SPIE</i> , 2015, , .	0.8	6
95	Printable elastic conductors with a high conductivity for electronic textile applications. <i>Nature Communications</i> , 2015, 6, 7461.	5.8	677
96	Intrinsically stretchable and transparent thin-film transistors based on printable silver nanowires, carbon nanotubes and an elastomeric dielectric. <i>Nature Communications</i> , 2015, 6, 7647.	5.8	268
97	Hierarchically buckled sheath-core fibers for superelastic electronics, sensors, and muscles. <i>Science</i> , 2015, 349, 400-404.	6.0	447
98	Stretchable Carbon Nanotube Charge-Trap Floating-Gate Memory and Logic Devices for Wearable Electronics. <i>ACS Nano</i> , 2015, 9, 5585-5593.	7.3	124
99	Complementary LED technologies. <i>Nature Materials</i> , 2015, 14, 459-462.	13.3	144
100	Controlled Crumpling of Graphene Oxide Films for Tunable Optical Transmittance. <i>Advanced Materials</i> , 2015, 27, 3256-3265.	11.1	129
101	A highly stretchable AgNWs@VPDMS@PMHS conductor exhibiting a stretchability of 800%. <i>Materials Letters</i> , 2015, 150, 101-104.	1.3	11
102	Stretchable Wire-Shaped Asymmetric Supercapacitors Based on Pristine and MnO ₂ Coated Carbon Nanotube Fibers. <i>ACS Nano</i> , 2015, 9, 6088-6096.	7.3	283
103	Wearable red-green-blue quantum dot light-emitting diode array using high-resolution intaglio transfer printing. <i>Nature Communications</i> , 2015, 6, 7149.	5.8	536
104	Thia- and seleno-diazole containing polymers for near-infrared light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2015, 3, 2792-2797.	2.7	40
105	Bio-Inspired Chemical Fabrication of Stretchable Transparent Electrodes. <i>Small</i> , 2015, 11, 3444-3449.	5.2	58
106	A colour-tunable, weavable fibre-shaped polymer light-emitting electrochemical cell. <i>Nature Photonics</i> , 2015, 9, 233-238.	15.6	372
107	Stretchable Thin-Film Electrodes for Flexible Electronics with High Deformability and Stretchability. <i>Advanced Materials</i> , 2015, 27, 3349-3376.	11.1	419
108	Flexible transparent electrodes for organic light-emitting diodes. <i>Journal of Information Display</i> , 2015, 16, 71-84.	2.1	43
109	Computation of full polymer-based photovoltaic nanodevices using a parametrized field-based multiscale solar-cell approach. <i>Organic Electronics</i> , 2015, 22, 216-228.	1.4	2
110	Highly Stretchable and Self-Deformable Alternating Current Electroluminescent Devices. <i>Advanced Materials</i> , 2015, 27, 2876-2882.	11.1	238

#	ARTICLE	IF	CITATIONS
111	Ultra-thin and smooth transparent electrode for flexible and leakage-free organic light-emitting diodes. <i>Scientific Reports</i> , 2015, 5, 9464.	1.6	183
112	Interfacing Liquid Metals with Stretchable Metal Conductors. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 7920-7926.	4.0	42
113	Thermally induced variations of strain condition and emission behavior in flat and bendable light-emitting diodes on different substrates. <i>Optics Express</i> , 2015, 23, 15491.	1.7	2
114	Elastic instabilities induced large surface strain sensing structures (ELS). , 2015, , .		0
115	Layer-Resolved Evolution of Organic Thin Films Monitored by Photoelectron Emission Microscopy and Optical Reflectance Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2015, 119, 24174-24181.	1.5	13
116	Long-range Coulomb interaction effects on polarons in conjugated polymers. <i>Organic Electronics</i> , 2015, 25, 261-265.	1.4	5
117	Stretchable and transparent electrodes based on in-plane structures. <i>Nanoscale</i> , 2015, 7, 14577-14594.	2.8	86
118	Absorption-induced scattering and surface plasmon out-coupling from absorber-coated plasmonic metasurfaces. <i>Nature Communications</i> , 2015, 6, 7899.	5.8	48
119	Patchable thin-film strain gauges based on pentacene transistors. <i>Organic Electronics</i> , 2015, 26, 355-358.	1.4	9
120	Flexible, highly efficient all-polymer solar cells. <i>Nature Communications</i> , 2015, 6, 8547.	5.8	740
121	Spectral characterizations and photophysical properties of one-step synthesized blue fluorescent 4-aryl substituted 2,2',6'-terpyridine for OLEDs application. <i>Journal of Luminescence</i> , 2015, 168, 145-150.	1.5	18
122	Flexible high power-per-weight perovskite solar cells with chromium oxide metal contacts for improved stability in air. <i>Nature Materials</i> , 2015, 14, 1032-1039.	13.3	807
123	A chameleon-inspired stretchable electronic skin with interactive colour changing controlled by tactile sensing. <i>Nature Communications</i> , 2015, 6, 8011.	5.8	749
124	Low-gap polymers incorporating a dicarboxylic imide moiety for near-infrared polymer light-emitting diodes. , 2015, , .		1
125	Mechanics of mechanochemically responsive elastomers. <i>Journal of the Mechanics and Physics of Solids</i> , 2015, 82, 320-344.	2.3	82
126	Solution-processed bottom-emitting polymer light-emitting diodes on a textile substrate towards a wearable display. <i>Journal of Information Display</i> , 2015, 16, 179-184.	2.1	33
127	Reflectance anisotropy spectroscopy as a tool for mechanical characterization of metallic thin films. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 415303.	1.3	10
128	Stretchable Random Lasers with Tunable Coherent Loops. <i>ACS Nano</i> , 2015, 9, 12436-12441.	7.3	56

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129	Analysis of the ac response of an organic bulk-heterojunction solar cell based on AnE-PVstat:PCBM. <i>Synthetic Metals</i> , 2015, 210, 352-356.	2.1	6
130	Ultrastretchable and Flexible Copper Interconnect-Based Smart Patch for Adaptive Thermotherapy. <i>Advanced Healthcare Materials</i> , 2015, 4, 665-673.	3.9	66
131	Stretchable and flexible resistive behavior of poly(3,4-ethylenedioxythiophene):Poly(styrenesulfonate) thin film on ultra-low modulus polydimethylsiloxane with trench-type roughness. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015, 53, 226-233.	2.4	4
132	Versatile poly(3,4-ethylenedioxythiophene) poly(styrenesulfonate) films on polydimethylsiloxane substrates having random micro ridges: Study of resistive behaviors of a polymer-polymer laminate. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	4
133	An Imperceptible Plastic Electronic Wrap. <i>Advanced Materials</i> , 2015, 27, 34-40.	11.1	145
134	Advances of flexible pressure sensors toward artificial intelligence and health care applications. <i>Materials Horizons</i> , 2015, 2, 140-156.	6.4	995
135	Wrinkled interfaces: Taking advantage of surface instabilities to pattern polymer surfaces. <i>Progress in Polymer Science</i> , 2015, 42, 1-41.	11.8	270
136	All Solution-processed Stable White Quantum Dot Light-emitting Diodes with Hybrid ZnO@TiO ₂ as Blue Emitters. <i>Scientific Reports</i> , 2014, 4, 4085.	1.6	61
137	A High Areal Capacity Flexible Lithium-Ion Battery with a Strain-Compliant Design. <i>Advanced Energy Materials</i> , 2015, 5, 1401389.	10.2	174
138	Disposable photonic integrated circuits for evanescent wave sensors by ultra-high volume roll-to-roll method. <i>Optics Express</i> , 2016, 24, 2527.	1.7	29
139	Novel microlens arrays with embedded Al ₂ O ₃ nanoparticles for enhancing efficiency and stability of flexible polymer light-emitting diodes. <i>RSC Advances</i> , 2016, 6, 65450-65458.	1.7	15
140	Design and fabrication of a shielded interdigital sensor for noninvasive <i>In situ</i> real-time production monitoring of polymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 2028-2037.	2.4	18
141	Electroluminescence of Giant Stretchability. <i>Advanced Materials</i> , 2016, 28, 4480-4484.	11.1	230
142	Strong Electron-Deficient Polymers Lead to High Electron Mobility in Air and Their Morphology-Dependent Transport Behaviors. <i>Advanced Materials</i> , 2016, 28, 7213-7219.	11.1	168
143	Bright Stretchable Alternating Current Electroluminescent Displays Based on High Permittivity Composites. <i>Advanced Materials</i> , 2016, 28, 7200-7203.	11.1	106
144	Three-Component Integrated Ultrathin Organic Photosensors for Plastic Optoelectronics. <i>Advanced Materials</i> , 2016, 28, 624-630.	11.1	48
145	Flexible MgO Barrier Magnetic Tunnel Junctions. <i>Advanced Materials</i> , 2016, 28, 4983-4990.	11.1	59
146	Solvent-Free Printing of Flexible Organic Thin Film Transistors by Ultrasonic Welding. <i>Advanced Electronic Materials</i> , 2016, 2, 1500221.	2.6	8

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147	Smart Electronic Textiles. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6140-6169.	7.2	460
148	Photoreactive and Metal-Platable Copolymer Inks for High-Throughput, Room-Temperature Printing of Flexible Metal Electrodes for Thin-Film Electronics. <i>Advanced Materials</i> , 2016, 28, 4926-4934.	11.1	77
149	Heteroepitaxial Growth of GaN on Unconventional Templates and Layer-Transfer Techniques for Large-Area, Flexible/Stretchable Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2016, 4, 505-521.	3.6	27
150	Semiconducting Fabrics by In-Situ Topochemical Synthesis of Polydiacetylene: A New Dimension to the Use of Organogels. <i>Angewandte Chemie</i> , 2016, 128, 2391-2395.	1.6	15
151	Multilayer Patterning of High Resolution Intrinsically Stretchable Electronics. <i>Scientific Reports</i> , 2016, 6, 25641.	1.6	30
152	Shapeable magnetoelectronics. <i>Applied Physics Reviews</i> , 2016, 3, 011101.	5.5	141
153	The rise of plastic bioelectronics. <i>Nature</i> , 2016, 540, 379-385.	13.7	1,280
154	Recent progress of fully-printed and ultra-flexible integrated circuits. , 2016, , .		0
155	Stretchable Spin Valve with Stable Magnetic Field Sensitivity by Ribbon-Patterned Periodic Wrinkles. <i>ACS Nano</i> , 2016, 10, 4403-4409.	7.3	57
156	Stretchable Bioelectronics for Medical Devices and Systems. <i>Microsystems and Nanosystems</i> , 2016, , .	0.1	90
157	High-Performance Wearable Bioelectronics Integrated with Functional Nanomaterials. <i>Microsystems and Nanosystems</i> , 2016, , 151-171.	0.1	2
158	Transfer-Printed PEDOT:PSS Electrodes Using Mild Acids for High Conductivity and Improved Stability with Application to Flexible Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 14029-14036.	4.0	145
159	Highly Elastic and Conductive Human-Based Protein Hybrid Hydrogels. <i>Advanced Materials</i> , 2016, 28, 40-49.	11.1	226
160	Highly Conductive and Environmentally Stable Organic Transparent Electrodes Laminated with Graphene. <i>Advanced Functional Materials</i> , 2016, 26, 7234-7243.	7.8	21
161	Reliable Actual Fabric-Based Organic Light-Emitting Diodes: Toward a Wearable Display. <i>Advanced Electronic Materials</i> , 2016, 2, 1600220.	2.6	90
162	Recent advances in flexible organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9116-9142.	2.7	254
163	Bifunctional Heterocyclic Spiro Derivatives for Organic Optoelectronic Devices. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 24782-24792.	4.0	32
164	Ultraflexible and ultrathin polymeric gate insulator for 2 V organic transistor circuits. <i>Applied Physics Express</i> , 2016, 9, 061602.	1.1	29

#	ARTICLE	IF	CITATIONS
165	Photo-patternable and transparent films using cellulose nanofibers for stretchable origami electronics. <i>NPG Asia Materials</i> , 2016, 8, e299-e299.	3.8	83
166	Hierarchical structured polymers for light-absorption enhancement of silicon-based solar power systems. <i>RSC Advances</i> , 2016, 6, 55159-55166.	1.7	13
167	A Stretchable Nanogenerator with Electric/Light Dual-Mode Energy Conversion. <i>Advanced Energy Materials</i> , 2016, 6, 1600829.	10.2	74
168	3D Stretchable, Compressible, and Highly Conductive Metal-Coated Polydimethylsiloxane Sponges. <i>Advanced Materials Technologies</i> , 2016, 1, 1600117.	3.0	71
169	Theoretical and Experimental Studies of Epidermal Heat Flux Sensors for Measurements of Core Body Temperature. <i>Advanced Healthcare Materials</i> , 2016, 5, 119-127.	3.9	101
170	Thin-film organic semiconductor devices: from flexibility to ultraflexibility. <i>Science China Materials</i> , 2016, 59, 589-608.	3.5	32
171	Inducing Elasticity through Oligo-siloxane Crosslinks for Intrinsically Stretchable Semiconducting Polymers. <i>Advanced Functional Materials</i> , 2016, 26, 7254-7262.	7.8	138
172	Stretchable Organic Semiconductor Devices. <i>Advanced Materials</i> , 2016, 28, 9243-9265.	11.1	188
173	Flexible and Mechanically Robust Organic Light-Emitting Diodes Based on Photopatternable Silver Nanowire Electrodes. <i>Journal of Physical Chemistry C</i> , 2016, 120, 22012-22018.	1.5	32
174	A low-cost, highly-conductive polyvinyl alcohol flexible film with Ag-microsheets and AgNWs as fillers. <i>RSC Advances</i> , 2016, 6, 80905-80909.	1.7	7
175	Highly Stretchable Label-like Random Laser on Universal Substrates. <i>Advanced Materials Technologies</i> , 2016, 1, 1600068.	3.0	33
176	Nanomaterial-based stretchable and transparent electrodes. <i>Journal of Information Display</i> , 2016, 17, 131-141.	2.1	33
177	Fabrication of Ultra-Thin Printed Organic TFT CMOS Logic Circuits Optimized for Low-Voltage Wearable Sensor Applications. <i>Scientific Reports</i> , 2016, 6, 25714.	1.6	134
178	Approaching ultimate flexible organic light-emitting diodes using a graphene anode. <i>NPG Asia Materials</i> , 2016, 8, e303-e303.	3.8	55
179	Non-volatile organic ferroelectric memory transistors fabricated using rigid polyimide islands on an elastomer substrate. <i>Journal of Materials Chemistry C</i> , 2016, 4, 4485-4490.	2.7	25
180	Free-Standing Organic Transistors and Circuits with Sub-Micron Thicknesses. <i>Scientific Reports</i> , 2016, 6, 27450.	1.6	39
181	Near-infrared roll-off-free electroluminescence from highly stable diketopyrrolopyrrole light emitting diodes. <i>Scientific Reports</i> , 2016, 6, 34096.	1.6	39
182	Synergetic electrode architecture for efficient graphene-based flexible organic light-emitting diodes. <i>Nature Communications</i> , 2016, 7, 11791.	5.8	163

#	ARTICLE	IF	CITATIONS
183	Highly Robust Neutral Plane Oxide TFTs Withstanding 0.25â€‰mm Bending Radius for Stretchable Electronics. <i>Scientific Reports</i> , 2016, 6, 25734.	1.6	94
184	Ultraflexible organic photonic skin. <i>Science Advances</i> , 2016, 2, e1501856.	4.7	788
185	Efficient and mechanically robust stretchable organic light-emitting devices by a laser-programmable buckling process. <i>Nature Communications</i> , 2016, 7, 11573.	5.8	182
186	Isoindigo-Based Semiconducting Polymers Using Carbosilane Side Chains for High Performance Stretchable Field-Effect Transistors. <i>Macromolecules</i> , 2016, 49, 8540-8548.	2.2	83
187	Two-Dimensional Stretchable Organic Light-Emitting Devices with High Efficiency. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 31166-31171.	4.0	60
188	Elucidating the influences of mechanical bending on charge transport at the interfaces of organic light-emitting diodes. <i>Thin Solid Films</i> , 2016, 619, 281-287.	0.8	9
189	Elastomeric Light Emitting Polymer Enhanced by Interpenetrating Networks. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 32504-32511.	4.0	38
190	High-brightness organic light-emitting diodes for optogenetic control of <i>Drosophila</i> locomotor behaviour. <i>Scientific Reports</i> , 2016, 6, 31117.	1.6	32
191	Ultrathin flexible memory devices based on organic ferroelectric transistors. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 10TA04.	0.8	7
192	A Fabrication Method for Highly Stretchable Conductors with Silver Nanowires. <i>Journal of Visualized Experiments</i> , 2016, , e53623.	0.2	0
193	Altering the emission properties of conjugated polymers. <i>Polymer International</i> , 2016, 65, 157-163.	1.6	24
194	Extremely Stretchable Electroluminescent Devices with Ionic Conductors. <i>Advanced Materials</i> , 2016, 28, 4490-4496.	11.1	193
195	Semiconducting Fabrics by Inâ€‰Situ Topochemical Synthesis of Polydiacetylene: A New Dimension to the Use of Organogels. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2345-2349.	7.2	37
196	Stretchable supercapacitor based on a cellular structure. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10124-10129.	5.2	47
197	Printable and stretchable elastic composites with highly electrical conductivity based on core-shell fillers. , 2016, , .		1
198	Graphene-Enabled Optoelectronics on Paper. <i>ACS Photonics</i> , 2016, 3, 964-971.	3.2	56
199	Low cost and highly conductive elastic composites for flexible and printable electronics. <i>Journal of Materials Chemistry C</i> , 2016, 4, 5839-5848.	2.7	64
200	Semitransparent Organic Light Emitting Diodes with Bidirectionally Controlled Emission. <i>ACS Photonics</i> , 2016, 3, 1233-1239.	3.2	6

#	ARTICLE	IF	CITATIONS
201	Flexible and printable paper-based strain sensors for wearable and large-area green electronics. <i>Nanoscale</i> , 2016, 8, 13025-13032.	2.8	154
202	3D Tailored Crumpling of Block-Copolymer Lithography on Chemically Modified Graphene. <i>Advanced Materials</i> , 2016, 28, 1591-1596.	11.1	58
203	300-nm Imperceptible, Ultraflexible, and Biocompatible e-Skin Fit with Tactile Sensors and Organic Transistors. <i>Advanced Electronic Materials</i> , 2016, 2, 1500452.	2.6	120
204	Smarte elektronische Textilien. <i>Angewandte Chemie</i> , 2016, 128, 6248-6277.	1.6	11
205	A high-performance, flexible and robust metal nanotrough-embedded transparent conducting film for wearable touch screen panels. <i>Nanoscale</i> , 2016, 8, 3916-3922.	2.8	76
206	The preparation and properties of carbon inverse opal papers using carbon fiber sheets as a framework. <i>Journal of Materials Chemistry A</i> , 2016, 4, 3494-3503.	5.2	4
207	Moving beyond flexible to stretchable conductive electrodes using metal nanowires and graphenes. <i>Nanoscale</i> , 2016, 8, 1789-1822.	2.8	69
208	Imperceptible and Ultraflexible p-Type Transistors and Macroelectronics Based on Carbon Nanotubes. <i>ACS Nano</i> , 2016, 10, 199-206.	7.3	43
209	Deformable devices with integrated functional nanomaterials for wearable electronics. <i>Nano Convergence</i> , 2016, 3, 4.	6.3	54
210	The brain's functional network architecture reveals human motives. <i>Science</i> , 2016, 351, 1074-1078.	6.0	111
211	Solvent-free fabrication of a biodegradable all-carbon paper based field effect transistor for human motion detection through strain sensing. <i>Green Chemistry</i> , 2016, 18, 3640-3646.	4.6	54
212	From Playroom to Lab: Tough Stretchable Electronics Analyzed with a Tabletop Tensile Tester Made from Toy Bricks. <i>Advanced Science</i> , 2016, 3, 1500396.	5.6	42
213	Highly stretchable electroluminescent skin for optical signaling and tactile sensing. <i>Science</i> , 2016, 351, 1071-1074.	6.0	1,106
214	Kinetic control of nanocrack formation in a palladium thin film on an elastomeric substrate for hydrogen gas sensing in air. <i>Sensors and Actuators B: Chemical</i> , 2016, 230, 367-373.	4.0	8
215	Designed Construction of a Graphene and Iron Oxide Freestanding Electrode with Enhanced Flexible Energy-Storage Performance. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 6972-6981.	4.0	47
216	Synthesis and characterization of color-tunable mixed ligand based magnesium complexes for display device applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 6464-6473.	1.1	14
217	Sustainable Life Cycles of Natural-Precursor-Derived Nanocarbons. <i>Chemical Reviews</i> , 2016, 116, 163-214.	23.0	163
218	A wearable multiplexed silicon nonvolatile memory array using nanocrystal charge confinement. <i>Science Advances</i> , 2016, 2, e1501101.	4.7	139

#	ARTICLE	IF	CITATIONS
219	Stretchable, Transparent Electrodes as Wearable Heaters Using Nanotrough Networks of Metallic Glasses with Superior Mechanical Properties and Thermal Stability. <i>Nano Letters</i> , 2016, 16, 471-478.	4.5	265
220	Graphene-based fibers for supercapacitor applications. <i>Nanotechnology</i> , 2016, 27, 032001.	1.3	60
221	Highly Stretchable and Sensitive Photodetectors Based on Hybrid Graphene and Graphene Quantum Dots. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 466-471.	4.0	86
222	Substituent effect on photo- and electroluminescence properties of heteroleptic cyclometalated platinum(II) complexes based on a 2-(dibenzo[b,d]furan-4-yl)pyridine ligand. <i>Dyes and Pigments</i> , 2016, 124, 165-173.	2.0	12
223	Wearable organic solar cells with high cyclic bending stability: Materials selection criteria. <i>Solar Energy Materials and Solar Cells</i> , 2016, 144, 438-444.	3.0	109
224	Progress and Prospects in Stretchable Electroluminescent Devices. <i>Nanophotonics</i> , 2017, 6, 435-451.	2.9	35
225	Organic flexible thermoelectric generators: from modeling, a roadmap towards applications. <i>Sustainable Energy and Fuels</i> , 2017, 1, 174-190.	2.5	38
226	A Review of Flexible OLEDs Toward Highly Durable Unusual Displays. <i>IEEE Transactions on Electron Devices</i> , 2017, 64, 1922-1931.	1.6	185
227	Flexible All-Inorganic Perovskite CsPbBr ₃ Nonvolatile Memory Device. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 6171-6176.	4.0	179
228	Light in diagnosis, therapy and surgery. <i>Nature Biomedical Engineering</i> , 2017, 1, .	11.6	523
229	Electronic Devices for Human-Machine Interfaces. <i>Advanced Materials Interfaces</i> , 2017, 4, 1600709.	1.9	76
230	Paper: A promising material for human-friendly functional wearable electronics. <i>Materials Science and Engineering Reports</i> , 2017, 112, 1-22.	14.8	128
231	Polaron stability in oligoacene crystals. <i>Journal of Molecular Modeling</i> , 2017, 23, 89.	0.8	3
232	Controlled fabrication of nanoscale wrinkle structure by fluorocarbon plasma for highly transparent triboelectric nanogenerator. <i>Microsystems and Nanoengineering</i> , 2017, 3, 16074.	3.4	54
233	Ultraflexible Organic Electronics and Photonics. <i>Nano-optics and Nanophotonics</i> , 2017, , 123-142.	0.2	0
234	Molecular Design Approaches to Self-healing Materials from Polymer and its Nanocomposites. <i>Springer Series on Polymer and Composite Materials</i> , 2017, , 181-218.	0.5	3
235	Ultrathin ($1\ \mu\text{m}$) Substrate-Free Flexible Photodetector on Quantum Dot-Nanocellulose Paper. <i>Scientific Reports</i> , 2017, 7, 43898.	1.6	12
236	Epidermal Inorganic Optoelectronics for Blood Oxygen Measurement. <i>Advanced Healthcare Materials</i> , 2017, 6, 1601013.	3.9	86

#	ARTICLE	IF	CITATIONS
237	Stretchable and ultraflexible organic electronics. MRS Bulletin, 2017, 42, 93-97.	1.7	125
238	Imperceptible organic electronics. MRS Bulletin, 2017, 42, 124-130.	1.7	42
239	Polyethylenimine Ethoxylated-Mediated All-Solution-Processed High-Performance Flexible Inverted Quantum Dot-Light-Emitting Device. ACS Nano, 2017, 11, 1982-1990.	7.3	173
240	Electronic Skin with Multifunction Sensors Based on Thermosensation. Advanced Materials, 2017, 29, 1606151.	11.1	194
241	All Polymer FETs Direct-Written on Flexible Substrates Achieving MHz Operation Regime. IEEE Transactions on Electron Devices, 2017, 64, 1960-1967.	1.6	6
242	Flexible Blade-Coated Multicolor Polymer Light-Emitting Diodes for Optoelectronic Sensors. Advanced Materials, 2017, 29, 1606206.	11.1	84
243	9.1-inch stretchable AMOLED display based on LTPS technology. Journal of the Society for Information Display, 2017, 25, 194-199.	0.8	58
244	Nonadiabatic dynamics of injected holes in conjugated polymers. Physical Chemistry Chemical Physics, 2017, 19, 10000-10008.	1.3	5
245	Organic light emitting board for dynamic interactive display. Nature Communications, 2017, 8, 14964.	5.8	80
246	3D customized and flexible tactile sensor using a piezoelectric nanofiber mat and sandwich-molded elastomer sheets. Smart Materials and Structures, 2017, 26, 045032.	1.8	27
247	Vapor phase organic chemistry to deposit conjugated polymer films on arbitrary substrates. Journal of Materials Chemistry C, 2017, 5, 5787-5796.	2.7	41
248	Rollerball Pen-Drawing Technology for Extremely Foldable Paper-Based Electronics. Advanced Electronic Materials, 2017, 3, 1700098.	2.6	35
249	Monitoring of stress-strain evolution in thin films by reflection anisotropy spectroscopy and synchrotron X-ray diffraction. Journal of Materials Science, 2017, 52, 6741-6753.	1.7	10
250	Highly Efficient Solid-State Near-infrared Organic Light-Emitting Diodes incorporating A-D-A Dyes based on 1,2-unsubstituted BODIPY-Moieties. Scientific Reports, 2017, 7, 1611.	1.6	112
251	Biocompatible and totally disintegrable semiconducting polymer for ultrathin and ultralightweight transient electronics. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 5107-5112.	3.3	347
252	Rugged Textile Electrodes for Wearable Devices Obtained by Vapor Coating Off-Shelf, Plain Woven Fabrics. Advanced Functional Materials, 2017, 27, 1700415.	7.8	76
253	Highly conductive templated-graphene fabrics for lightweight, flexible and foldable supercapacitors. Materials Research Express, 2017, 4, 075602.	0.8	6
254	Gyrification-Inspired Highly Convolutated Graphene Oxide Patterns for Ultralarge Deforming Actuators. ACS Nano, 2017, 11, 6843-6852.	7.3	35

#	ARTICLE	IF	CITATIONS
255	Recent progress in fabrication and application of polydimethylsiloxane sponges. <i>Journal of Materials Chemistry A</i> , 2017, 5, 16467-16497.	5.2	207
256	Roughâ€‘Surfaceâ€‘Enabled Capacitive Pressure Sensors with 3D Touch Capability. <i>Small</i> , 2017, 13, 1700368.	5.2	142
257	Stretchable electronic devices using graphene and its hybrid nanostructures. <i>FlatChem</i> , 2017, 3, 71-91.	2.8	34
258	Simultaneous dual-functioning InGaN/GaN multiple-quantum-well diode for transferrable optoelectronics. <i>Optical Materials</i> , 2017, 72, 20-24.	1.7	26
259	Simple and scalable growth of AgCl nanorods by plasma-assisted strain relaxation on flexible polymer substrates. <i>Nature Communications</i> , 2017, 8, 15650.	5.8	21
260	Fabrication and interfacial characteristics of surface modified Ag nanoparticle based conductive composites. <i>RSC Advances</i> , 2017, 7, 29702-29712.	1.7	20
261	Fully Stretchable Optoelectronic Sensors Based on Colloidal Quantum Dots for Sensing Photoplethysmographic Signals. <i>ACS Nano</i> , 2017, 11, 5992-6003.	7.3	115
262	Towards seamlessly-integrated textile electronics: methods to coat fabrics and fibers with conducting polymers for electronic applications. <i>Chemical Communications</i> , 2017, 53, 7182-7193.	2.2	118
263	Ultrastretchable, transparent triboelectric nanogenerator as electronic skin for biomechanical energy harvesting and tactile sensing. <i>Science Advances</i> , 2017, 3, e1700015.	4.7	920
264	5â€‘2: <i>Invited Paper</i>: Ultrathin Stretchable Oxide Thin Film Transistor and Active Matrix Organic Lightâ€‘Emitting Diode Displays. <i>Digest of Technical Papers SID International Symposium</i> , 2017, 48, 33-35.	0.1	3
265	5â€‘5: <i>Distinguished Paper/Late-News Paper</i>: The First 9.1â€‘inch Stretchable AMOLED Display based on LTPS Technology. <i>Digest of Technical Papers SID International Symposium</i> , 2017, 48, 47-50.	0.1	11
266	Pâ€‘214: Flexible White Organic Light Emitting Diode via Solution Process. <i>Digest of Technical Papers SID International Symposium</i> , 2017, 48, 2025-2027.	0.1	10
267	Near-infrared organic light-emitting diodes for biosensing with high operating stability. <i>Applied Physics Express</i> , 2017, 10, 074101.	1.1	64
268	Ultra-conformable Organic Field-Effect Transistors and circuits for epidermal electronic applications. <i>Organic Electronics</i> , 2017, 46, 60-67.	1.4	44
269	Role of Polymeric Metal Nucleation Inducers in Fabricating Largeâ€‘Area, Flexible, and Transparent Electrodes for Printable Electronics. <i>Advanced Functional Materials</i> , 2017, 27, 1606842.	7.8	45
270	Mechanical Properties of Organic Semiconductors for Stretchable, Highly Flexible, and Mechanically Robust Electronics. <i>Chemical Reviews</i> , 2017, 117, 6467-6499.	23.0	624
271	Tunable Negative Permittivity with Fano-like Resonance and Magnetic Property in Percolative Silver/Yttrium Iron Garnet Nanocomposites. <i>Journal of Physical Chemistry C</i> , 2017, 121, 7564-7571.	1.5	75
272	Statistical Paradigm for Organic Optoelectronic Devices: Normal Force Testing for Adhesion of Organic Photovoltaics and Organic Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 13347-13356.	4.0	4

#	ARTICLE	IF	CITATIONS
273	Stretchable Light-Emitting Diodes with Organometal-Halide-Perovskite-Polymer Composite Emitters. <i>Advanced Materials</i> , 2017, 29, 1607053.	11.1	147
274	Enhancing the Mechanical Durability of an Organic Field Effect Transistor through a Fluoroelastomer Substrate with a Crosslinking-Induced Self-Wrinkled Structure. <i>Advanced Electronic Materials</i> , 2017, 3, 1600477.	2.6	22
275	Effective one-pot synthesis of (<i>E</i>)-poly(vinyl arylenes) via trans-borylation/Suzuki coupling protocol. <i>Green Processing and Synthesis</i> , 2017, 6, 301-310.	1.3	3
276	In-Plane Deformation Mechanics for Highly Stretchable Electronics. <i>Advanced Materials</i> , 2017, 29, 1604989.	11.1	141
277	Liquid metal sponges for mechanically durable, all-soft, electrical conductors. <i>Journal of Materials Chemistry C</i> , 2017, 5, 1586-1590.	2.7	136
278	One-Dimensional Nanomaterials for Soft Electronics. <i>Advanced Electronic Materials</i> , 2017, 3, 1600314.	2.6	271
279	Progress in fluorene-based wide-bandgap steric semiconductors. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2017, 35, 155-170.	2.0	27
280	Thermoelectric characterization of flexible micro-thermoelectric generators. <i>Review of Scientific Instruments</i> , 2017, 88, 015103.	0.6	27
281	Designing Thin, Ultrastretchable Electronics with Stacked Circuits and Elastomeric Encapsulation Materials. <i>Advanced Functional Materials</i> , 2017, 27, 1604545.	7.8	42
282	Organic flash memory on various flexible substrates for foldable and disposable electronics. <i>Nature Communications</i> , 2017, 8, 725.	5.8	88
283	Thermally Fast-Curable, "Sticky" Nanoadhesive for Strong Adhesion on Arbitrary Substrates. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 40868-40877.	4.0	7
284	Sulfonated Mesoporous Silica as Proton Exchanging Layer in Solid-State Organic Transistor. <i>Advanced Electronic Materials</i> , 2017, 3, 1700316.	2.6	13
285	Wrinkled 2D Materials: A Versatile Platform for Low-Threshold Stretchable Random Lasers. <i>Advanced Materials</i> , 2017, 29, 1703549.	11.1	85
286	Resistive switching memory using biomaterials. <i>Journal of Electroceramics</i> , 2017, 39, 223-238.	0.8	70
287	Biaxially stretchable carbon nanotube transistors. <i>Journal of Applied Physics</i> , 2017, 122, 124901.	1.1	15
288	Fabrication and characterization of stretchable copper electrodes on poly(dimethylsiloxane) substrate by direct deposition. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 115801.	0.8	6
289	Wearable Electrocardiogram Monitor Using Carbon Nanotube Electronics and Color-Tunable Organic Light-Emitting Diodes. <i>ACS Nano</i> , 2017, 11, 10032-10041.	7.3	197
290	Ultrathin Quantum Dot Display Integrated with Wearable Electronics. <i>Advanced Materials</i> , 2017, 29, 1700217.	11.1	187

#	ARTICLE	IF	CITATIONS
291	Isobenzofuranone- and Chromone-Based Blue Delayed Fluorescence Emitters with Low Efficiency Roll-Off in Organic Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2017, 29, 8012-8020.	3.2	68
292	Template-Assisted Preparation of Micrometric Suspended Membrane Lattices of Photoluminescent and Non-Photoluminescent Polymers by Capillarity-Driven Solvent Evaporation: Application to Microtagging. <i>Scientific Reports</i> , 2017, 7, 8351.	1.6	5
293	Photo-induced fabrication of Ag nanowire circuitry for invisible, ultrathin, conformable pressure sensors. <i>Journal of Materials Chemistry C</i> , 2017, 5, 9986-9994.	2.7	32
294	Direct fabrication of electrochromic devices with complex patterns on three-dimensional substrates using polymeric stencil films. <i>RSC Advances</i> , 2017, 7, 43283-43288.	1.7	12
295	The effect of the Al concentration on efficiency of the hybrid AnE-PVstat:Al-doped ZnO nanocrystal solar cells. <i>Optical Materials</i> , 2017, 73, 473-483.	1.7	4
296	Ultraflexible Transparent Oxide/Metal/Oxide Stack Electrode with Low Sheet Resistance for Electrophysiological Measurements. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 34744-34750.	4.0	27
297	N,N-Diethyl-diaminopropane-copper(II) oxalate self-reducible complex for the solution-based synthesis of copper nanocrystals. <i>Dalton Transactions</i> , 2017, 46, 12487-12493.	1.6	6
298	Metamorphic hemispherical microphone array for three-dimensional acoustics. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	4
299	Highly Flexible and Efficient Fabric-Based Organic Light-Emitting Devices for Clothing-Shaped Wearable Displays. <i>Scientific Reports</i> , 2017, 7, 6424.	1.6	113
300	Effects of pre-buckling on the bending of organic electronic structures. <i>AIP Advances</i> , 2017, 7, .	0.6	5
301	Shape-Reconfigurable Aluminum-Air Batteries. <i>Advanced Functional Materials</i> , 2017, 27, 1702244.	7.8	33
302	Buckled Thin-Film Transistors and Circuits on Soft Elastomers for Stretchable Electronics. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 28750-28757.	4.0	54
303	Polaron dynamics in oligoacene stacks. <i>Journal of Molecular Modeling</i> , 2017, 23, 257.	0.8	4
305	Nanotransplantation Printing of Crystallographic-Orientation-Controlled Single-Crystalline Nanowire Arrays on Diverse Surfaces. <i>ACS Nano</i> , 2017, 11, 11642-11652.	7.3	16
306	Investigation of plasma polymerized pyrrole under various gas flow rates and input power using atmospheric pressure plasma jets. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 651, 26-34.	0.4	2
307	Soft Poly(butyl acrylate) Side Chains toward Intrinsically Stretchable Polymeric Semiconductors for Field-Effect Transistor Applications. <i>Macromolecules</i> , 2017, 50, 4982-4992.	2.2	92
308	Test structures for stepwise deformation sensing on super-flexible strain sensors. , 2017, , .		1
309	Unprecedented mechanical response of the lattice thermal conductivity of auxetic carbon crystals. <i>Carbon</i> , 2017, 122, 374-380.	5.4	12

#	ARTICLE	IF	CITATIONS
310	Multiaxial wavy top-emission organic light-emitting diodes on thermally prestrained elastomeric substrates. <i>Organic Electronics</i> , 2017, 48, 314-322.	1.4	14
311	Recent Progress on Stretchable Electronic Devices with Intrinsically Stretchable Components. <i>Advanced Materials</i> , 2017, 29, 1603167.	11.1	367
312	Fabrication of substrate-free double-side emitting flexible device based on silver nanowire-polymer composite electrode. <i>Current Applied Physics</i> , 2017, 17, 6-10.	1.1	21
313	Light Emitting Based on Polymer. , 2017, , 243-285.		1
314	A pressure-induced bending sensitive capacitor based on an elastomer-free, extremely thin transparent conductor. <i>Journal of Materials Chemistry A</i> , 2017, 5, 3221-3229.	5.2	26
315	Recent Progress in the Development of Printed Thin-Film Transistors and Circuits with High-Resolution Printing Technology. <i>Advanced Materials</i> , 2017, 29, 1602736.	11.1	243
317	Organic light-emitting and photodetector devices for flexible optical link and sensor devices: Fundamentals and future prospects in printed optoelectronic devices for high-speed modulation. <i>IEICE Electronics Express</i> , 2017, 14, 20172002-20172002.	0.3	6
318	Polyurethane-based flexible conductive adhesives. , 2017, , .		0
319	Stretchable Displays: From Concept Toward Reality. <i>Information Display</i> , 2017, 33, 6-38.	0.1	4
320	Q&A with Dick McCartney of Pixel Scientific. <i>Information Display</i> , 2017, 33, 32-38.	0.1	0
321	Transparent and flexible high frequency transmission lines based on composite structure comprising silver nanowires and polyvinyl butyral. <i>Composites Science and Technology</i> , 2018, 159, 25-32.	3.8	9
322	Highly conductive, flexible and stretchable conductors based on fractal silver nanostructures. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3999-4006.	2.7	45
323	Printable Superelastic Conductors with Extreme Stretchability and Robust Cycling Endurance Enabled by Liquid-Metal Particles. <i>Advanced Materials</i> , 2018, 30, e1706157.	11.1	208
324	A Wearable Photobiomodulation Patch Using a Flexible Red-Wavelength OLED and Its In Vitro Differential Cell Proliferation Effects. <i>Advanced Materials Technologies</i> , 2018, 3, 1700391.	3.0	68
327	RF Plasma Polymerization of Orange Oil and Characterization of the Polymer Thin Films. <i>Journal of Polymers and the Environment</i> , 2018, 26, 2925-2933.	2.4	7
328	Surface-agnostic highly stretchable and bendable conductive MXene multilayers. <i>Science Advances</i> , 2018, 4, eaq0118.	4.7	229
329	Triboelectric-Nanogenerator-Based Soft Energy-Harvesting Skin Enabled by Toughly Bonded Elastomer/Hydrogel Hybrids. <i>ACS Nano</i> , 2018, 12, 2818-2826.	7.3	245
330	Kirigami enhances film adhesion. <i>Soft Matter</i> , 2018, 14, 2515-2525.	1.2	74

#	ARTICLE	IF	CITATIONS
331	Flexible active-matrix organic light-emitting diode display enabled by MoS ₂ thin-film transistor. <i>Science Advances</i> , 2018, 4, eaas8721.	4.7	163
332	Defect-Free, Highly Uniform Washable Transparent Electrodes Induced by Selective Light Irradiation. <i>Small</i> , 2018, 14, e1800676.	5.2	16
333	Highly sensitive wearable sensor based on a flexible multi-layer graphene film antenna. <i>Science Bulletin</i> , 2018, 63, 574-579.	4.3	97
334	Flexible quantum dot light-emitting diodes for next-generation displays. <i>Npj Flexible Electronics</i> , 2018, 2, .	5.1	261
335	A Building Brick Principle to Create Transparent Composite Films with Multicolor Emission and Self-Healing Function. <i>Small</i> , 2018, 14, e1800315.	5.2	21
336	Recent developments of truly stretchable thin film electronic and optoelectronic devices. <i>Nanoscale</i> , 2018, 10, 5764-5792.	2.8	91
337	Skin electronics from scalable fabrication of an intrinsically stretchable transistor array. <i>Nature</i> , 2018, 555, 83-88.	13.7	1,588
338	Deformable conductors for human-machine interface. <i>Materials Today</i> , 2018, 21, 508-526.	8.3	163
339	Thiazole Imide-Based All-Acceptor Homopolymer: Achieving High-Performance Unipolar Electron Transport in Organic Thin-Film Transistors. <i>Advanced Materials</i> , 2018, 30, 1705745.	11.1	150
340	Three dimensional photovoltaic fibers for wearable energy harvesting and conversion. <i>Journal of Energy Chemistry</i> , 2018, 27, 611-621.	7.1	31
341	Rational Molecular Design for Deep-Blue Thermally Activated Delayed Fluorescence Emitters. <i>Advanced Functional Materials</i> , 2018, 28, 1706023.	7.8	195
342	High-performance stretchable supercapacitors based on intrinsically stretchable acrylate rubber/MWCNTs@conductive polymer composite electrodes. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4432-4442.	5.2	82
343	Recent advances in flexible and wearable organic optoelectronic devices. <i>Journal of Semiconductors</i> , 2018, 39, 011011.	2.0	27
344	A one-dimensional soft and color-programmable light-emitting device. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1328-1333.	2.7	27
345	A High Aspect Ratio Serpentine Structure for Use As a Strain-Insensitive, Stretchable Transparent Conductor. <i>Small</i> , 2018, 14, 1702818.	5.2	32
346	Three-dimensional ultraflexible triboelectric nanogenerator made by 3D printing. <i>Nano Energy</i> , 2018, 45, 380-389.	8.2	178
347	Stretchable Polymer Semiconductors for Plastic Electronics. <i>Advanced Electronic Materials</i> , 2018, 4, 1700429.	2.6	168
348	Mechanically robust, stretchable organic solar cells via buckle-on-elastomer strategy. <i>Organic Electronics</i> , 2018, 53, 339-345.	1.4	32

#	ARTICLE	IF	CITATIONS
349	Metacomposites: functional design via titanium nitride/nickel(II) oxide composites towards tailorable negative dielectric properties at radio-frequency range. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 5853-5861.	1.1	16
350	Chemical formation of soft metal electrodes for flexible and wearable electronics. <i>Chemical Society Reviews</i> , 2018, 47, 4611-4641.	18.7	245
351	Enhancement in fluorescence quantum yield of MEH-PPV:BT blends for polymer light emitting diode applications. <i>Optical Materials</i> , 2018, 80, 143-148.	1.7	33
352	Flexible and ultra-lightweight polymer membrane lasers. <i>Nature Communications</i> , 2018, 9, 1525.	5.8	122
353	Linear-type carbazoledioxazine-based organic semiconductors: the effect of backbone planarity on the molecular orientation and charge transport properties. <i>RSC Advances</i> , 2018, 8, 9822-9832.	1.7	7
354	Textile Display for Electronic and Brain-Interfaced Communications. <i>Advanced Materials</i> , 2018, 30, e1800323.	11.1	145
355	Inkjet printing for the fabrication of flexible/stretchable wearable electronic devices and sensors. <i>Sensor Review</i> , 2018, 38, 438-452.	1.0	60
356	One-dimensional conjugated polymer nanomaterials for flexible and stretchable electronics. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3538-3550.	2.7	42
357	Nanostructured Light-Emitting Polymer Thin Films and Devices Fabricated by the Environment-Friendly Push-Coating Technique. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 11794-11800.	4.0	14
358	Extremely flat metal films implemented by surface roughness transfer for flexible electronics. <i>RSC Advances</i> , 2018, 8, 10883-10888.	1.7	12
359	Roll-to-roll processing of film substrates for hybrid integrated flexible electronics. <i>Flexible and Printed Electronics</i> , 2018, 3, 014002.	1.5	68
360	Extremely Vivid, Highly Transparent, and Ultrathin Quantum Dot Light-Emitting Diodes. <i>Advanced Materials</i> , 2018, 30, 1703279.	11.1	157
361	Transparent and flexible photodetectors based on CH ₃ NH ₃ PbI ₃ perovskite nanoparticles. <i>Applied Surface Science</i> , 2018, 434, 375-381.	3.1	27
362	Anisotropic toughness and strength in graphene and its atomistic origin. <i>Journal of the Mechanics and Physics of Solids</i> , 2018, 110, 118-136.	2.3	51
363	Mechanical stability of roll-to-roll printed solar cells under cyclic bending and torsion. <i>Solar Energy Materials and Solar Cells</i> , 2018, 174, 7-15.	3.0	57
364	An Omnidirectionally Stretchable Piezoelectric Nanogenerator Based on Hybrid Nanofibers and Carbon Electrodes for Multimodal Straining and Human Kinematics Energy Harvesting. <i>Advanced Energy Materials</i> , 2018, 8, 1701520.	10.2	112
365	Highly Stretchable and Reliable, Transparent and Conductive Entangled Graphene Mesh Networks. <i>Advanced Materials</i> , 2018, 30, 1704626.	11.1	53
366	Weavable and Highly Efficient Organic Light-Emitting Fibers for Wearable Electronics: A Scalable, Low-Temperature Process. <i>Nano Letters</i> , 2018, 18, 347-356.	4.5	113

#	ARTICLE	IF	CITATIONS
367	Extremely flexible, transparent, and strain-sensitive electroluminescent device based on ZnS:Cu-polyvinyl butyral composite and silver nanowires. Applied Surface Science, 2018, 429, 144-150.	3.1	27
368	Metal-Elastomer Surface Deformation Control on Super-Compressible Strain Transducer Arrays. , 2018, , .		0
369	Materials and Structures toward Soft Electronics. Advanced Materials, 2018, 30, e1801368.	11.1	445
370	Formation of high aspect ratio wrinkles and ridges on elastic bilayers with small thickness contrast. Soft Matter, 2018, 14, 8545-8551.	1.2	24
371	A Cuttable Wireless Power Transfer Sheet. , 2018, 2, 1-25.		17
372	Kirigami-inspired, highly stretchable micro-supercapacitor patches fabricated by laser conversion and cutting. Microsystems and Nanoengineering, 2018, 4, 36.	3.4	68
373	Efficient and stable sky-blue delayed fluorescence organic light-emitting diodes with CIEy below 0.4. Nature Communications, 2018, 9, 5036.	5.8	113
374	Bright Stretchable Electroluminescent Devices based on Silver Nanowire Electrodes and High-k Thermoplastic Elastomers. ACS Applied Materials & Interfaces, 2018, 10, 44760-44767.	4.0	65
375	3D Printed Robotic Assembly Enabled Reconfigurable Display with Higher Resolution. Advanced Materials Technologies, 2018, 3, 1800344.	3.0	10
376	Air-stable, transparent flexible ambipolar organic thin film transistors based on CuPc-F16CuPc bi-channel structure. AIP Advances, 2018, 8, 075304.	0.6	1
377	Deformation Mechanism of Poly(3-alkylthiophene) Studied by <i>in Situ</i> X-ray Scattering and Texture Analysis. Macromolecules, 2018, 51, 8306-8315.	2.2	11
378	Standing Enokitake-like Nanowire Films for Highly Stretchable Elastronics. ACS Nano, 2018, 12, 9742-9749.	7.3	130
379	Realization of high-power-efficiency white electroluminescence from a single polymer by energy-level engineering. Chemical Science, 2018, 9, 8656-8664.	3.7	28
380	Emerging Applications of Cellulose Nanofibers. , 2018, , 1-26.		12
381	High electrical conductivity and carrier mobility in oCVD PEDOT thin films by engineered crystallization and acid treatment. Science Advances, 2018, 4, eaat5780.	4.7	167
382	Recent Progress on High-Capacitance Polymer Gate Dielectrics for Flexible Low-Voltage Transistors. Advanced Functional Materials, 2018, 28, 1802201.	7.8	139
383	Solvent-Free Deposition of Ultrathin Copolymer Films with Tunable Viscoelasticity for Application to Pressure-Sensitive Adhesives. ACS Applied Materials & Interfaces, 2018, 10, 32668-32677.	4.0	32
384	Flexural and bending fatigue studies of perovskite solar cells on Willow Glass substrates. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
385	Long-Lived Flexible Displays Employing Efficient and Stable Inverted Organic Light-Emitting Diodes. <i>Advanced Materials</i> , 2018, 30, e1706768.	11.1	93
386	TiO ₂ nanofibrils reinforced graphene paper for multifunctional flexible electrode. <i>Journal of Power Sources</i> , 2018, 394, 131-139.	4.0	14
387	A Kirigami-inspired, extremely stretchable, high areal-coverage micro-supercapacitor patch. , 2018, , .		6
388	Stretchable Transparent Electrodes with Solution-Processed Regular Metal Mesh for an Electroluminescent Light-Emitting Film. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 21009-21017.	4.0	53
389	Light beam shaping for collimated emission from white organic light-emitting diodes using customized lenticular microlens arrays structure. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	20
390	A novel sandwich structure for the flexible photonic device to meet the biosensing requirements. <i>Journal of Micromechanics and Microengineering</i> , 2018, 28, 095009.	1.5	1
391	3D Multifunctional Composites Based on Large-Area Stretchable Circuit with Thermoforming Technology. <i>Advanced Electronic Materials</i> , 2018, 4, 1800071.	2.6	27
392	Molecular Reorientation during the Initial Growth of Perfluoropentacene on Ag(110). <i>Journal of Physical Chemistry C</i> , 2018, 122, 12704-12711.	1.5	11
393	Design of Engineered Elastomeric Substrate for Stretchable Active Devices and Sensors. <i>Advanced Functional Materials</i> , 2018, 28, 1705132.	7.8	47
394	Mechanically robust stretchable organic optoelectronic devices built using a simple and universal stencil-pattern transferring technology. <i>Light: Science and Applications</i> , 2018, 7, 35.	7.7	77
395	Enhanced Charge Transport and Stability Conferred by Iron(III)-Coordination in a Conjugated Polymer Thin-Film Transistors. <i>Advanced Electronic Materials</i> , 2018, 4, 1800239.	2.6	13
396	Unraveling the stress effects on the optical properties of stretchable rod-coil polyfluorene-poly(<i>n</i> -butyl acrylate) block copolymer thin films. <i>Polymer Chemistry</i> , 2018, 9, 3820-3831.	1.9	28
397	Potential of Graphene for Miniature Sensors and Conducting Devices for Biomedical Applications. , 2018, , .		0
398	Transparent and conductive nanomembranes with orthogonal silver nanowire arrays for skin-attachable loudspeakers and microphones. <i>Science Advances</i> , 2018, 4, eaas8772.	4.7	155
399	Ionic Gels and Their Applications in Stretchable Electronics. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800246.	2.0	112
400	Innovative evolution of buckling structures for flexible electronics. <i>Composite Structures</i> , 2018, 204, 487-499.	3.1	15
401	Flexible and Stretchable Smart Display: Materials, Fabrication, Device Design, and System Integration. <i>Advanced Functional Materials</i> , 2018, 28, 1801834.	7.8	357
402	New -Extended Naphthalene Diimides for High-Performance n-Type Organic Semiconductors with NIR Absorption Properties. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 2279-2284.	1.3	10

#	ARTICLE	IF	CITATIONS
403	Emission Area Patterning of Organic Light-Emitting Diodes (OLEDs) via Printed Dielectrics. <i>Advanced Functional Materials</i> , 2018, 28, 1802986.	7.8	29
404	1.4-Å-Thick Transparent Radio Frequency Transmission Lines Based on Instant Fusion of Polyethylene Terephthalate Through Surface of Ag Nanowires. <i>Electronic Materials Letters</i> , 2018, 14, 599-609.	1.0	5
405	Membrane-Interface-Elastomer Structures for Stretchable Electronics. <i>CheM</i> , 2018, 4, 1673-1684.	5.8	17
406	Soft Display Using Photonic Crystals on Dielectric Elastomers. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 24758-24766.	4.0	40
407	Process optimization for microstructure-dependent properties in thin film organic electronics. <i>Materials Discovery</i> , 2018, 11, 6-13.	3.3	10
408	A Stretchable Alternating Current Electroluminescent Fiber. <i>Materials</i> , 2018, 11, 184.	1.3	43
409	Polymer Interface Molecular Engineering for E-Textiles. <i>Polymers</i> , 2018, 10, 573.	2.0	21
410	Organic \bar{n} -type thermoelectric module supported by photolithographic mold: a working hypothesis of sticky thermoelectric materials. <i>Science and Technology of Advanced Materials</i> , 2018, 19, 517-525.	2.8	27
411	Reverse-Offset Printed Ultrathin Ag Mesh for Robust Conformal Transparent Electrodes for High-Performance Organic Photovoltaics. <i>Advanced Materials</i> , 2018, 30, e1707526.	11.1	59
412	Advanced approaches for quantitative characterization of thermal transport properties in soft materials using thin, conformable resistive sensors. <i>Extreme Mechanics Letters</i> , 2018, 22, 27-35.	2.0	24
413	Stretchable array of high-performance micro-supercapacitors charged with solar cells for wireless powering of an integrated strain sensor. <i>Nano Energy</i> , 2018, 49, 644-654.	8.2	146
414	Wearable triboelectric nanogenerators based on hybridized triboelectric modes for harvesting mechanical energy. <i>RSC Advances</i> , 2018, 8, 26243-26250.	1.7	12
415	Stretchable thin-film transistors with molybdenum disulfide channels and graphene electrodes. <i>Nanoscale</i> , 2018, 10, 16069-16078.	2.8	23
416	Ultraconformable Freestanding Capacitors Based on Ultrathin Polyvinyl Formal Films. <i>Advanced Electronic Materials</i> , 2018, 4, 1800215.	2.6	10
417	Three-dimensional integrated stretchable electronics. <i>Nature Electronics</i> , 2018, 1, 473-480.	13.1	345
418	High-performance, color-tunable fiber shaped organic light-emitting diodes. <i>Nanoscale</i> , 2018, 10, 16184-16192.	2.8	33
419	Ultra-stretchable Archimedean interconnects for stretchable electronics. <i>Extreme Mechanics Letters</i> , 2018, 24, 6-13.	2.0	14
420	Synthesis of block copolymers comprised of poly(3-hexylthiophene) segment with trisiloxane side chains and their application to organic thin film transistor. <i>Journal of Polymer Science Part A</i> , 2018, 56, 1787-1794.	2.5	21

#	ARTICLE	IF	CITATIONS
421	3D Printed Polymer Photodetectors. <i>Advanced Materials</i> , 2018, 30, e1803980.	11.1	113
422	One-pot synthesized ABA tri-block copolymers for high-performance organic field-effect transistors. <i>Polymer Chemistry</i> , 2018, 9, 4517-4522.	1.9	11
423	A self-healing and stretchable light-emitting device. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12774-12780.	2.7	36
424	Realization of Intrinsically Stretchable Organic Solar Cells Enabled by Charge-Extraction Layer and Photoactive Material Engineering. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 21712-21720.	4.0	52
425	Organic Flexible Electronics. <i>Small Methods</i> , 2018, 2, 1800070.	4.6	177
426	Experimental study on atmospheric pressure plasma polymerized conducting polymer under coupling and remote conditions. <i>Molecular Crystals and Liquid Crystals</i> , 2018, 663, 108-114.	0.4	6
427	Highly Efficient Deep-Blue Electroluminescence from a Aa~iã€“Da~iã€“A Structure Based Fluorescence Material with Exciton Utilizing Efficiency above 25%. <i>ACS Applied Energy Materials</i> , 2018, 1, 3243-3254.	2.5	23
428	Highly stretchable and ultrathin nanopaper composites for epidermal strain sensors. <i>Nanotechnology</i> , 2018, 29, 355304.	1.3	56
429	A Comparison Study of Physicochemical Properties and Stabilities of H-Shaped Molecule and the Corresponding Polymer. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2019, 37, 11-17.	2.0	5
430	Bioã€Multifunctional Smart Wearable Sensors for Medical Devices. <i>Advanced Intelligent Systems</i> , 2019, 1, 1900040.	3.3	115
431	Low-Leakage Fiber-Based Field-Effect Transistors with an Al₂O₃ã€MgO Nanolaminate as Gate Insulator. <i>ACS Applied Electronic Materials</i> , 2019, 1, 1400-1407.	2.0	21
432	Spectral changes associated with transmission of OLED emission through human skin. <i>Scientific Reports</i> , 2019, 9, 9875.	1.6	11
433	Recent progress in stretchable organic field-effect transistors. <i>Science China Technological Sciences</i> , 2019, 62, 1255-1276.	2.0	18
434	Metallized SU-8 thin film patterns on stretchable PDMS. <i>Journal of Micromechanics and Microengineering</i> , 2019, 29, 095009.	1.5	8
435	Polymerã€Assisted Metal Deposition (PAMD) for Flexible and Wearable Electronics: Principle, Materials, Printing, and Devices. <i>Advanced Materials</i> , 2019, 31, e1902987.	11.1	128
436	Electroresponsive Stretchable Liquidã€Crystal Device with Deformable Gel Network. <i>Advanced Electronic Materials</i> , 2019, 5, 1900373.	2.6	16
437	Wearable Woven Triboelectric Nanogenerator Utilizing Electrospun PVDF Nanofibers for Mechanical Energy Harvesting. <i>Micromachines</i> , 2019, 10, 438.	1.4	56
438	Emerging Applications of Cellulose Nanofibers. , 2019, , 1131-1156.		13

#	ARTICLE	IF	CITATIONS
439	Superstretchable and Ultrathin Organic Field-Effect Transistors: from Flexibility to Superstretchable and Ultraflexibility. <i>Advanced Functional Materials</i> , 2019, 29, 1906908.	7.8	35
440	Narrowband Organic Light-Emitting Diodes for Fluorescence Microscopy and Calcium Imaging. <i>Advanced Materials</i> , 2019, 31, 1903599.	11.1	20
441	Green-synthesized, low-cost tetracyanodiazafluorene (TCAF) as electron injection material for organic light-emitting diodes. <i>Chinese Chemical Letters</i> , 2019, 30, 1969-1973.	4.8	8
442	Stretchable High-Permittivity Nanocomposites for Epidermal Alternating-Current Electroluminescent Displays. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 511-518.		66
443	Flexible Temperature Sensor Integrated with Soft Pneumatic Microactuators for Functional Microfingers. <i>Scientific Reports</i> , 2019, 9, 15634.	1.6	30
444	An Intrinsically Stretchable High-Performance Polymer Semiconductor with Low Crystallinity. <i>Advanced Functional Materials</i> , 2019, 29, 1905340.	7.8	120
445	Self-Healing and Stretchable 3D-Printed Organic Thermoelectrics. <i>Advanced Functional Materials</i> , 2019, 29, 1905426.	7.8	115
446	Ionic liquid-based click-ionogels. <i>Science Advances</i> , 2019, 5, eaax0648.	4.7	230
447	Impact of Polyimide Film Thickness for Improving the Mechanical Robustness of Stretchable InGaZnO Thin-Film Transistors Prepared on Wavy-Dimensional Elastomer Substrates. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 34076-34083.	4.0	21
448	Flexible organic light-emitting diodes for antimicrobial photodynamic therapy. <i>Npj Flexible Electronics</i> , 2019, 3, .	5.1	54
449	A UV-responsive pressure sensitive adhesive for damage-free fabrication of an ultrathin imperceptible mechanical sensor with ultrahigh optical transparency. <i>Journal of Materials Chemistry A</i> , 2019, 7, 22588-22595.	5.2	25
450	1,3,4-Oxadiazole-based Deep Blue Thermally Activated Delayed Fluorescence Emitters for Organic Light Emitting Diodes. <i>Journal of Physical Chemistry C</i> , 2019, 123, 24772-24785.	1.5	21
451	Pen drawing display. <i>Nature Communications</i> , 2019, 10, 4334.	5.8	15
452	Flexible, High-Power Density, Wearable Thermoelectric Nanogenerator and Self-Powered Temperature Sensor. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 38616-38624.	4.0	102
453	Engineering crystalline quasi-two-dimensional polyaniline thin film with enhanced electrical and chemiresistive sensing performances. <i>Nature Communications</i> , 2019, 10, 4225.	5.8	132
454	Facile emission color tuning and circularly polarized light generation of single luminogen in engineering robust forms. <i>Materials Horizons</i> , 2019, 6, 405-411.	6.4	41
455	Using Artificial Skin Devices as Skin Replacements: Insights into Superficial Treatment. <i>Small</i> , 2019, 15, e1805453.	5.2	53
456	In-plane deformation mechanics of highly stretchable Archimedean interconnects. <i>AIP Advances</i> , 2019, 9, .	0.6	6

#	ARTICLE	IF	CITATIONS
457	Stretchable Organometal Halide Perovskite Quantum Dot Light-Emitting Diodes. <i>Advanced Materials</i> , 2019, 31, e1807516.	11.1	79
458	Photostimulation for In Vitro Optogenetics with High-Power Blue Organic Light-Emitting Diodes. <i>Advanced Biology</i> , 2019, 3, e1800290.	3.0	24
459	Highly stretchable patternable conductive circuits and wearable strain sensors based on polydimethylsiloxane and silver nanoparticles. <i>Nanotechnology</i> , 2019, 30, 185501.	1.3	28
460	Morphological/nanostructural control toward intrinsically stretchable organic electronics. <i>Chemical Society Reviews</i> , 2019, 48, 1741-1786.	18.7	117
461	Transient fiber-shaped flexible electronics comprising dissolvable polymer composites toward multicolor lighting. <i>Journal of Materials Chemistry C</i> , 2019, 7, 1472-1476.	2.7	18
462	Superhydrophobic Electrically Conductive Paper for Ultrasensitive Strain Sensor with Excellent Anticorrosion and Self-Cleaning Property. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 21904-21914.	4.0	228
463	Highly flexible organic light-emitting diodes on patterned Ag nanowire network transparent electrodes. <i>Organic Electronics</i> , 2019, 71, 220-226.	1.4	25
464	Improved design of highly efficient micro-sized lithium-ion batteries for stretchable electronics. <i>Journal of Micromechanics and Microengineering</i> , 2019, 29, 075008.	1.5	5
465	Stretchable Transparent Conductors: from Micro/Macromechanics to Applications. <i>Advanced Materials</i> , 2019, 31, e1900756.	11.1	52
466	Large-area, kirigami topology structure-induced highly stretchable and flexible interconnects: Directly printing preparation and mechanic mechanism. <i>Science China Materials</i> , 2019, 62, 1412-1422.	3.5	13
467	High-Performance Flexible Ultraviolet Photodetectors Based on AZO/ZnO/PVK/PEDOT:PSS Heterostructures Integrated on Human Hair. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 24459-24467.	4.0	82
468	Stretchable and Ambient Stable Perovskite/Polymer Luminous Hybrid Nanofibers of Multicolor Fiber Mats and Their White LED Applications. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 23605-23615.	4.0	63
469	Tailoring Carbosilane Side Chains toward Intrinsically Stretchable Semiconducting Polymers. <i>Macromolecules</i> , 2019, 52, 4396-4404.	2.2	73
470	Highly Flexible, Stretchable, and Tunable Optical Diffusers with Mechanically Switchable Wettability Surfaces. <i>ACS Central Science</i> , 2019, 5, 1002-1009.	5.3	16
471	Nacre-inspired highly stretchable piezoresistive Cu-Ag nanowire/graphene synergistic conductive networks for strain sensors and beyond. <i>Journal of Materials Chemistry C</i> , 2019, 7, 7061-7072.	2.7	24
472	Tuning the Electromechanical Properties of PEDOT:PSS Films for Stretchable Transistors And Pressure Sensors. <i>Advanced Electronic Materials</i> , 2019, 5, 1900191.	2.6	57
473	Polymer Light-Emitting Diodes. , 2019, , 343-369.		4
474	Flexible Perovskite Solar Cells via Surface-Confined Silver Nanoparticles on Transparent Polyimide Substrates. <i>Polymers</i> , 2019, 11, 427.	2.0	22

#	ARTICLE	IF	CITATIONS
475	Skin-Mountable Biosensors and Therapeutics: A Review. Annual Review of Biomedical Engineering, 2019, 21, 299-323.	5.7	45
476	Highly compliant planar Hall effect sensor with sub 200% μ nT sensitivity. Npj Flexible Electronics, 2019, 3, .	5.1	52
477	Highly flexible, robust, stable and high efficiency perovskite solar cells enabled by van der Waals epitaxy on mica substrate. Nano Energy, 2019, 60, 476-484.	8.2	66
478	A highly porous and conductive composite gate electrode for OTFT sensors. RSC Advances, 2019, 9, 7278-7284.	1.7	8
479	Stretchable Nanocomposite Conductors Enabled by 3D Segregated Dual-Filler Network. Advanced Materials Technologies, 2019, 4, 1900060.	3.0	25
480	Solvent-Free Luminous Molecular Liquids. Advanced Optical Materials, 2019, 7, 1900176.	3.6	49
481	Hybrid Heterostructured LEDs Based on Superstrate Architecture of ZnO and ZnS Quantum Dots. IEEE Journal of Quantum Electronics, 2019, 55, 1-7.	1.0	3
482	Semiconductor-Metal Transition in Poly(3,4-Ethylenedioxythiophene): Poly(Styrenesulfonate) and its Electrical Conductivity While Being Stretched. Polymer Engineering and Science, 2019, 59, 1051-1056.	1.5	4
483	Ideal conducting polymer anode for perovskite light-emitting diodes by molecular interaction decoupling. Nano Energy, 2019, 60, 324-331.	8.2	28
484	Capacitance and impedance spectroscopy studies of polymer light emitting diodes based on MEH-PPV:BT blends. Synthetic Metals, 2019, 250, 99-103.	2.1	9
485	Smart Patterned Surface with Dynamic Wrinkles. Accounts of Chemical Research, 2019, 52, 1025-1035.	7.6	95
486	Scalable Processing Ultrathin Polymer Dielectric Films with a Generic Solution Based Approach for Wearable Soft Electronics. Advanced Materials Technologies, 2019, 4, 1800681.	3.0	36
487	Conjugated polymers and composites for stretchable organic electronics. Journal of Materials Chemistry C, 2019, 7, 5534-5552.	2.7	114
488	Sugar-Based Organogelators for Various Applications. Langmuir, 2019, 35, 6005-6014.	1.6	44
489	Alternative current electroluminescence and flexible light emitting devices. Journal of Materials Chemistry C, 2019, 7, 5553-5572.	2.7	54
490	Advances in Alternating Current Electroluminescent Devices. Advanced Optical Materials, 2019, 7, 1801154.	3.6	92
491	Buckled Structures: Fabrication and Applications in Wearable Electronics. Small, 2019, 15, e1804805.	5.2	83
492	Device stability in organic optoelectronics. , 2019, , 599-662.		3

#	ARTICLE	IF	CITATIONS
493	Organic light-emitting diodes. , 2019, , 695-726.		11
494	Low-Power, Flexible Nonvolatile Organic Transistor Memory Based on an Ultrathin Bilayer Dielectric Stack. <i>Advanced Electronic Materials</i> , 2019, 5, 1800799.	2.6	23
495	The research status and challenges of shape memory polymer-based flexible electronics. <i>Materials Horizons</i> , 2019, 6, 931-944.	6.4	139
496	Bioinspired Superhydrophobic Papillae with Tunable Adhesive Force and Ultralarge Liquid Capacity for Microdroplet Manipulation. <i>Advanced Functional Materials</i> , 2019, 29, 1900266.	7.8	73
497	Bias stress induced threshold voltage shift in buckled thin film transistors. , 2019, , .		0
498	Island Thickness Effects for Stretchable InGaZnO Thin Film Transistors on Wavy-Dimensional Elastomer Substrate. , 2019, , .		0
499	Non-contact Laser Printing of Ag Nanowire-based Electrode with Photodegradable Polymers. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2019, 32, 429-434.	0.1	1
500	Sub-millisecond Control of Neuronal Firing by Organic Light-Emitting Diodes. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 278.	2.0	18
501	Sandwich-structure transferable free-form OLEDs for wearable and disposable skin wound photomedicine. <i>Light: Science and Applications</i> , 2019, 8, 114.	7.7	86
502	Defining side chain successions in anthracene-based poly(arylene ethynylene)-alt-poly(phenylene) Tj ETQq1 1 0.784314 rgBT 2/Overloc	1.9	1
503	Highly Conductive and Stretchable Ag Nanodendrite-Based Composites for Application in Nanoelectronics. <i>ACS Applied Nano Materials</i> , 2019, 2, 351-359.	2.4	7
504	Stretchable Conductive Polymers and Composites Based on PEDOT and PEDOT:PSS. <i>Advanced Materials</i> , 2019, 31, e1806133.	11.1	687
505	Ultrathin Metal Films as the Transparent Electrode in ITO-Free Organic Optoelectronic Devices. <i>Advanced Optical Materials</i> , 2019, 7, 1800778.	3.6	133
506	Recent Advances in Transparent Electronics with Stretchable Forms. <i>Advanced Materials</i> , 2019, 31, e1804690.	11.1	114
507	Flexibility of Semitransparent Perovskite Light-Emitting Diodes Investigated by Tensile Properties of the Perovskite Layer. <i>Nano Letters</i> , 2019, 19, 971-976.	4.5	37
508	Electroactive Soft Photonic Devices for the Synesthetic Perception of Color and Sound. <i>Advanced Materials</i> , 2019, 31, e1804080.	11.1	64
509	Highly flexible and solution-processed organic photodiodes and their application to optical luminescent oxygen sensors. <i>Organic Electronics</i> , 2019, 65, 100-109.	1.4	11
510	Enhanced stretchable graphene-based triboelectric nanogenerator via control of surface nanostructure. <i>Nano Energy</i> , 2019, 58, 304-311.	8.2	92

#	ARTICLE	IF	CITATIONS
511	Ultrathin Fully Printed Light-Emitting Electrochemical Cells with Arbitrary Designs on Biocompatible Substrates. <i>Advanced Materials Technologies</i> , 2019, 4, 1800641.	3.0	45
512	Organic Vapor-Jet Printing with Reduced Heat Transfer for Fabrication of Flexible Organic Devices. <i>Advanced Materials Technologies</i> , 2019, 4, 1800332.	3.0	7
513	Highly efficient and foldable top-emission organic light-emitting diodes based on Ag-nanoparticles modified graphite electrode. <i>Organic Electronics</i> , 2019, 64, 146-153.	1.4	22
514	3D printed electronic materials and devices. , 2019, , 309-334.		11
515	Enhancement of electromagnetic interference shielding effectiveness with alignment of spinnable multiwalled carbon nanotubes. <i>Carbon</i> , 2019, 142, 528-534.	5.4	22
516	Strategies to achieve high performance piezoelectric nanogenerators. <i>Nano Energy</i> , 2019, 55, 288-304.	8.2	219
517	Shape-Deformable Self-Healing Electroluminescence Displays. <i>Advanced Optical Materials</i> , 2019, 7, 1801283.	3.6	20
518	Biological Evaluation of the NIR-Emissive Ruby Analogue $[\text{Cr}(\text{ddpd})_2][\text{BF}_4]_3$ as a Photodynamic Therapy Photosensitizer. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 37-41.	1.0	31
519	Organic Semiconducting Materials Based on BDOPV: Structures, Properties, and Applications. <i>Chinese Journal of Chemistry</i> , 2020, 38, 13-24.	2.6	23
520	Dibenzofuran-based iridium complexes as green emitters: Realizing PhOLEDs with high power efficiency and extremely low efficiency roll-off. <i>Dyes and Pigments</i> , 2020, 173, 107990.	2.0	11
521	Material-Based Approaches for the Fabrication of Stretchable Electronics. <i>Advanced Materials</i> , 2020, 32, e1902743.	11.1	243
522	Organic Photodetectors for Next-Generation Wearable Electronics. <i>Advanced Materials</i> , 2020, 32, e1902045.	11.1	401
523	Mimicking Human and Biological Skins for Multifunctional Skin Electronics. <i>Advanced Functional Materials</i> , 2020, 30, 1904523.	7.8	247
524	Application Challenges in Fiber and Textile Electronics. <i>Advanced Materials</i> , 2020, 32, e1901971.	11.1	273
525	Recent Progress of Fiber Shaped Lighting Devices for Smart Display Applications—A Fibertronic Perspective. <i>Advanced Materials</i> , 2020, 32, e1903488.	11.1	81
526	Toward a Stretchable Organic Light-Emitting Diode on 3D Microstructured Elastomeric Substrate and Transparent Hybrid Anode. <i>Advanced Materials Technologies</i> , 2020, 5, 1900995.	3.0	24
527	Control of thermal deformation with photonic sintering of ultrathin nanowire transparent electrodes. <i>Nanoscale</i> , 2020, 12, 2366-2373.	2.8	17
528	Multifunctional materials for implantable and wearable photonic healthcare devices. <i>Nature Reviews Materials</i> , 2020, 5, 149-165.	23.3	403

#	ARTICLE	IF	CITATIONS
529	Rising advancements in the application of PEDOT:PSS as a prosperous transparent and flexible electrode material for solution-processed organic electronics. <i>Journal of Information Display</i> , 2020, 21, 71-91.	2.1	46
530	Advanced functional surfaces through controlled damage and instabilities. <i>Materials Horizons</i> , 2020, 7, 366-396.	6.4	20
531	Wireless phototherapeutic contact lenses and glasses with red light-emitting diodes. <i>Nano Research</i> , 2020, 13, 1347-1353.	5.8	28
532	Recent innovations in artificial skin. <i>Biomaterials Science</i> , 2020, 8, 776-797.	2.6	38
533	Highly stretchable and contact-responsive light-emitting diodes based on MAPbBr ₃ /PEO composite film. <i>Journal of Alloys and Compounds</i> , 2020, 819, 153360.	2.8	14
534	Mechanically and thermally stable, transparent electrodes with silver nanowires encapsulated by atomic layer deposited aluminium oxide for organic optoelectronic devices. <i>Organic Electronics</i> , 2020, 78, 105593.	1.4	15
535	Multiscale Disordered Porous Fibers for Self-Sensing and Self-Cooling Integrated Smart Sportswear. <i>ACS Nano</i> , 2020, 14, 559-567.	7.3	162
536	A review on stretchable magnetic field sensorics. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 083002.	1.3	37
537	Roller-Assisted Adhesion Imprinting for High-Throughput Manufacturing of Wearable and Stretchable Organic Light-Emitting Devices. <i>Advanced Optical Materials</i> , 2020, 8, 1901525.	3.6	20
538	Wireless Monitoring Using a Stretchable and Transparent Sensor Sheet Containing Metal Nanowires. <i>Advanced Materials</i> , 2020, 32, e1902684.	11.1	75
539	Fully Screen-Printed, Multicolor, and Stretchable Electroluminescent Displays for Epidermal Electronics. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 47902-47910.	4.0	47
540	Patterned Carbon Nanotube Bundles as Stretchable Strain Sensors for Human Motion Detection. <i>ACS Applied Nano Materials</i> , 2020, 3, 11408-11415.	2.4	13
541	Disclination regulated depression and elevation of glassy nematic coatings on soft elastic substrates. <i>Extreme Mechanics Letters</i> , 2020, 40, 100938.	2.0	0
542	Rippled Metallic Nanowire/Graphene/Semiconductor Nanostack for a Gate-Tunable Ultrahigh-Performance Stretchable Phototransistor. <i>Advanced Optical Materials</i> , 2020, 8, 2000859.	3.6	5
543	Advanced Electrical and Optical Microsystems for Biointerfacing. <i>Advanced Intelligent Systems</i> , 2020, 2, 2000091.	3.3	16
544	Designing Ultraflexible Perovskite X-Ray Detectors through Interface Engineering. <i>Advanced Science</i> , 2020, 7, 2002586.	5.6	44
545	One-dimensional micro-scale patterned conjugated polymer structures in bilayer architecture and light emitting diode application. <i>Organic Electronics</i> , 2020, 87, 105965.	1.4	9
546	A substrateless, flexible, and water-resistant organic light-emitting diode. <i>Nature Communications</i> , 2020, 11, 6250.	5.8	91

#	ARTICLE	IF	CITATIONS
547	A facile approach to synthesize highly conductive electrospun aramid nanofibers via electroless deposition. <i>Materials Chemistry and Physics</i> , 2020, 255, 123614.	2.0	18
548	Carbon nanotube dual-material gate devices for flexible configurable multifunctional electronics. <i>Carbon</i> , 2020, 161, 656-664.	5.4	15
549	Understanding coordination reaction for producing stable electrode with various low work functions. <i>Nature Communications</i> , 2020, 11, 3700.	5.8	23
550	Flexible terahertz imaging systems with single-walled carbon nanotube films. <i>Carbon</i> , 2020, 162, 13-24.	5.4	33
551	Ultraflexible all-organic complementary transistors and inverters based on printed polymers. <i>Journal of Materials Chemistry C</i> , 2020, 8, 15331-15338.	2.7	17
552	Facile Approach to Fabricating Stretchable Organic Transistors with Laser-Patterned Ag Nanowire Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 50675-50683.	4.0	16
553	Effects of substrates on the performance of optoelectronic devices: A review. <i>Cogent Engineering</i> , 2020, 7, 1829274.	1.1	9
554	Stretchable Triboelectric Nanogenerators for Energy Harvesting and Motion Monitoring. <i>IEEE Open Journal of Nanotechnology</i> , 2020, 1, 109-116.	0.9	11
555	Stretchable and Flexible Thin Films Based on Expanded Graphite Particles. <i>Processes</i> , 2020, 8, 961.	1.3	5
556	Dynamic recombination of triplet exciton with trapped counterion in conjugated polymers. <i>European Physical Journal B</i> , 2020, 93, 1.	0.6	1
557	Recent Advances of Synthesis, Properties, Film Fabrication Methods, Modifications of Poly(3,4-ethylenedioxythiophene), and Applications in Solution-Processed Photovoltaics. <i>Advanced Functional Materials</i> , 2020, 30, 2006213.	7.8	90
558	Highly smooth and conductive silver film with metallo-organic decomposition ink for all-solution-processed flexible organic thin-film transistors. <i>Journal of Materials Science</i> , 2020, 55, 15908-15918.	1.7	15
559	Ultraflexible organic light-emitting diodes for optogenetic nerve stimulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 21138-21146.	3.3	44
560	Pressure-Sensitive Adhesive with Controllable Adhesion for Fabrication of Ultrathin Soft Devices. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 40794-40801.	4.0	17
561	Realizing Stretchable OLEDs: A Hybrid Platform Based on Rigid Island Arrays on a Stress-Relieving Bilayer Structure. <i>Advanced Materials Technologies</i> , 2020, 5, 2000494.	3.0	23
562	Improvement in Mechanical Durability of Stretchable Charge-Trap Memory Transistors with Engineered Wavy-Dimensional Structures. <i>ACS Applied Electronic Materials</i> , 2020, 2, 2984-2993.	2.0	6
563	Alternating Current Electroluminescent Devices with Inorganic Phosphors for Deformable Displays. <i>Cell Reports Physical Science</i> , 2020, 1, 100213.	2.8	22
564	Highly conductive PEDOT films with enhanced catalytic activity for dye-sensitized solar cells. <i>Solar Energy</i> , 2020, 211, 258-264.	2.9	15

#	ARTICLE	IF	CITATIONS
565	Performance of OLED under mechanical strain: a review. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 20688-20729.	1.1	52
566	Fabrication of a wrinkled structure made of wearable polyacrylonitrile/polyurethane composite fibers with elastic sensing properties suitable for human movement detection. <i>Polymer Composites</i> , 2020, 41, 3491-3500.	2.3	6
567	Distortion-Free Stretchable Light-Emitting Diodes via Imperceptible Microwrinkles. <i>Advanced Materials Technologies</i> , 2020, 5, 2000231.	3.0	24
568	Flexible and electrically conductive composites based on 3D hierarchical silver dendrites. <i>Soft Matter</i> , 2020, 16, 6765-6772.	1.2	12
569	The evolution of total internal reflection Raman spectroscopy for the chemical characterization of thin films and interfaces. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 6009-6022.	1.9	8
570	Preparation and magnetic properties of wrinkled FeRh flexible films. <i>AIP Advances</i> , 2020, 10, 025327.	0.6	3
571	Improving the out-coupling efficiency of polymer light-emitting diodes with soft nanoimprinted random corrugated structures. <i>Journal of Applied Physics</i> , 2020, 127, .	1.1	3
572	Photoresponsive Dithienylethene-Containing Tris(8-hydroxyquinolinato)aluminum(III) Complexes with Photocontrollable Electron-Transporting Properties for Solution-Processable Optical and Organic Resistive Memory Devices. <i>Journal of the American Chemical Society</i> , 2020, 142, 12193-12206.	6.6	42
573	Fully stretchable active-matrix organic light-emitting electrochemical cell array. <i>Nature Communications</i> , 2020, 11, 3362.	5.8	106
574	Role of Secondary Thermal Relaxations in Conjugated Polymer Film Toughness. <i>Chemistry of Materials</i> , 2020, 32, 6540-6549.	3.2	27
575	Flexible Ion-Gated Transistors Making Use of Poly-3-hexylthiophene (P3HT): Effect of the Molecular Weight on the Effectiveness of Gating and Device Performance. <i>Journal of Electronic Materials</i> , 2020, 49, 5302-5307.	1.0	2
576	High triplet energy materials for efficient exciplex-based and full-TADF-based white OLEDs. <i>Dyes and Pigments</i> , 2020, 177, 108259.	2.0	5
577	245-MHz bandwidth organic light-emitting diodes used in a gigabit optical wireless data link. <i>Nature Communications</i> , 2020, 11, 1171.	5.8	56
578	Versatile Phosphole Derivatives with Photovoltaic, Light-Emitting, and Resistive Memory Properties. <i>ACS Applied Energy Materials</i> , 2020, 3, 3059-3070.	2.5	14
579	Facile Fabrication of Stretchable Touch-Responsive Perovskite Light-Emitting Diodes Using Robust Stretchable Composite Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 14408-14415.	4.0	46
580	Preparation of polyacrylic latex with external crosslinking and its effect on the pressure-sensitive properties. <i>Soft Materials</i> , 2020, 18, 432-442.	0.8	4
581	Self-Integratable, Healable, and Stretchable Electroluminescent Device Fabricated via Dynamic Urea Bonds Equipped in Polyurethane. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 10949-10958.	4.0	17
582	Significant enhancement of out-coupling efficiency for yarn-based organic light-emitting devices with an organic scattering layer. <i>Nano Energy</i> , 2020, 70, 104503.	8.2	12

#	ARTICLE	IF	CITATIONS
583	Cyberâ€“Physiochemical Interfaces. <i>Advanced Materials</i> , 2020, 32, e1905522.	11.1	64
584	Highly Elastic and >200% Reversibly Stretchable Downâ€“Conversion White Lightâ€“Emitting Diodes Based on Quantum Dot Gel Emitters. <i>Advanced Optical Materials</i> , 2020, 8, 1901972.	3.6	23
585	Flexible, Wearable Organic Lightâ€“Emitting Fibers Based on PEDOT:PSS/Agâ€“Fiber Embedded Hybrid Electrodes for Largeâ€“Area Textile Lighting. <i>Advanced Materials Technologies</i> , 2020, 5, 2000168.	3.0	30
586	Stretchable and Wearable Resistive Switching Randomâ€“Access Memory. <i>Advanced Intelligent Systems</i> , 2020, 2, 2000007.	3.3	24
587	Electronic Skins for Robotics and Wearables. , 2020, , .		1
588	Stretchable and Skin-Conformable Conductors Based on Polyurethane/Laser-Induced Graphene. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 19855-19865.	4.0	71
589	Light emitting diodes technology-based photobiomodulation therapy (PBMT) for dermatology and aesthetics: Recent applications, challenges, and perspectives. <i>Optics and Laser Technology</i> , 2021, 135, 106698.	2.2	12
590	Ultraconformable organic devices. , 2021, , 437-478.		3
591	Stimuli-responsive supramolecular hydrogel with white AIE effect for ultrasensitive detection of Fe3+ and as rewritable fluorescent materials. <i>Dyes and Pigments</i> , 2021, 184, 108875.	2.0	20
592	Recent Progress in Artificial Muscles for Interactive Soft Robotics. <i>Advanced Materials</i> , 2021, 33, e2003088.	11.1	139
593	Ultrathin, Ultraâ€“Conformable, and Freeâ€“Standing Tattooable Organic Lightâ€“Emitting Diodes. <i>Advanced Electronic Materials</i> , 2021, 7, 2001145.	2.6	19
594	Functionalized Elastomers for Intrinsically Soft and Biointegrated Electronics. <i>Advanced Healthcare Materials</i> , 2021, 10, e2002105.	3.9	36
595	Unconventional Imageâ€“Sensing and Lightâ€“Emitting Devices for Extended Reality. <i>Advanced Functional Materials</i> , 2021, 31, 2009281.	7.8	23
596	Metal halide perovskite nanocrystals: application in high-performance photodetectors. <i>Materials Advances</i> , 2021, 2, 856-879.	2.6	18
597	Recent Progress of Flexible Image Sensors for Biomedical Applications. <i>Advanced Materials</i> , 2021, 33, e2004416.	11.1	117
598	Interface Design for Stretchable Electronic Devices. <i>Advanced Science</i> , 2021, 8, 2004170.	5.6	44
599	Effect of ionic conduction under dielectric barriers on PEDOT:PSS electrochemical interfaces. <i>Applied Physics Express</i> , 2021, 14, 031003.	1.1	0
600	Flexible transparent conductive electrode of Au/PDMS prepared by electrochemical-assisted peeling. <i>Microelectronic Engineering</i> , 2021, 238, 111511.	1.1	4

#	ARTICLE	IF	CITATIONS
601	Electroluminescent Fabric Woven by Ultrastretchable Fibers for Arbitrarily Controllable Pattern Display. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 11260-11267.	4.0	31
602	Three-Dimensional Stretchable Microelectronics by Projection Microstereolithography (P ¹ / ₄ SL). <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 8901-8908.	4.0	19
603	Stretchable ITO-Free Organic Solar Cells with Intrinsic Anti-Reflection Substrate for High-Efficiency Outdoor and Indoor Energy Harvesting. <i>Advanced Functional Materials</i> , 2021, 31, 2010172.	7.8	53
604	Magnetsensitive E-skins for Interactive Devices. <i>Advanced Functional Materials</i> , 2021, 31, 2007788.	7.8	33
605	Synthesis of Highly Conductive Electrospun Recycled Polyethylene Terephthalate Nanofibers Using the Electroless Deposition Method. <i>Nanomaterials</i> , 2021, 11, 531.	1.9	21
606	Mechanical Analysis and Experimental Studies of the Transverse Strain in Wrinkled Metallic Thin Films. <i>Metals</i> , 2021, 11, 427.	1.0	1
607	Construction of polyimide films with excellent dimensional stability and toughness via incorporating point-to-face multi-coordination structure. <i>Composites Part B: Engineering</i> , 2021, 208, 108566.	5.9	23
608	Thermally cross-linkable spirobifluorene-core-based hole transport layer with high solvent-resistivity for solution processible OLEDs. <i>Dyes and Pigments</i> , 2021, 187, 109122.	2.0	12
609	A model for the fragmentation kinetics of crumpled thin sheets. <i>Nature Communications</i> , 2021, 12, 1470.	5.8	16
610	Scalable Microfabrication of Folded Parylene-Based Conductors for Stretchable Electronics. <i>Advanced Electronic Materials</i> , 2021, 7, 2001236.	2.6	10
611	Recent advances in flexible alternating current electroluminescent devices. <i>APL Materials</i> , 2021, 9, .	2.2	21
612	Implantable bioelectronics toward long-term stability and sustainability. <i>Matter</i> , 2021, 4, 1125-1141.	5.0	45
613	Optimizing Morphology to Trade Off Charge Transport and Mechanical Properties of Stretchable Conjugated Polymer Films. <i>Macromolecules</i> , 2021, 54, 3907-3926.	2.2	70
614	Self-healing flexible/stretchable energy storage devices. <i>Materials Today</i> , 2021, 44, 78-104.	8.3	85
615	Materials and devices for flexible and stretchable photodetectors and light-emitting diodes. <i>Nano Research</i> , 2021, 14, 2919-2937.	5.8	34
616	Self-powered ultraflexible photonic skin for continuous bio-signal detection via air-operation-stable polymer light-emitting diodes. <i>Nature Communications</i> , 2021, 12, 2234.	5.8	121
617	Highly efficient, heat dissipating, stretchable organic light-emitting diodes based on a MoO ₃ /Au/MoO ₃ electrode with encapsulation. <i>Nature Communications</i> , 2021, 12, 2864.	5.8	42
618	Biocompatible and Biodegradable Light-Emitting Materials and Devices. <i>Advanced Materials Technologies</i> , 2022, 7, 2100006.	3.0	18

#	ARTICLE	IF	CITATIONS
619	Emerging Biomedical Applications of Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2021, 9, 2100269.	3.6	49
620	Crumple Durable Ultraflexible Organic Solar Cells with an Excellent Power-Weight Performance. <i>Advanced Functional Materials</i> , 2021, 31, 2102694.	7.8	78
621	Photo-induced axisymmetric deflection of circular glassy nematic discs with spiral director fields. <i>Archive of Applied Mechanics</i> , 2021, 91, 3191-3202.	1.2	0
622	19th Invited Paper: Stable Pure-Blue Hyperfluorescence OLEDs. <i>Digest of Technical Papers SID International Symposium</i> , 2021, 52, 224-227.	0.1	1
623	Full-color flexible laser displays based on random laser arrays. <i>Science China Materials</i> , 2021, 64, 2805-2812.	3.5	24
624	Advanced Materials and Assembly Strategies for Wearable Biosensors: A Review. , 0, , .		2
625	Intrinsically Stretchable Organic Solar Cells with Efficiencies of over 11%. <i>ACS Energy Letters</i> , 2021, 6, 2512-2518.	8.8	69
626	Intrinsically Stretchable Organic Solar Cells beyond 10% Power Conversion Efficiency Enabled by Transfer Printing Method. <i>Advanced Functional Materials</i> , 2021, 31, 2103534.	7.8	42
627	Probing morphology and chemistry in complex soft materials with in situ resonant soft x-ray scattering. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 313001.	0.7	5
628	Standalone real-time health monitoring patch based on a stretchable organic optoelectronic system. <i>Science Advances</i> , 2021, 7, .	4.7	144
629	Pushing the Limits of Flexibility and Stretchability of Solar Cells: A Review. <i>Advanced Materials</i> , 2021, 33, e2101469.	11.1	51
630	Transparent, conductive cellulose hydrogel for flexible sensor and triboelectric nanogenerator at subzero temperature. <i>Carbohydrate Polymers</i> , 2021, 265, 118078.	5.1	86
631	MXene enhanced self-powered alternating current electroluminescence devices for patterned flexible displays. <i>Nano Energy</i> , 2021, 86, 106077.	8.2	44
632	Stable pure-blue hyperfluorescence OLEDs. , 2021, , .		0
633	Effectiveness of high curvature segmentation on the curved flexible surface plasmon resonance. <i>Optics Express</i> , 2021, 29, 26955.	1.7	1
634	Heterogeneous Functional Dielectric Patterns for Charge-Carrier Modulation in Ultraflexible Organic Integrated Circuits. <i>Advanced Materials</i> , 2021, 33, e2104446.	11.1	10
635	Luminance behaviour of PLEDs with integration of nanomaterials. <i>Displays</i> , 2021, 69, 102046.	2.0	4
636	Additive color mixing of semitransparent laminated tandem type polymer light-emitting diodes. <i>Molecular Crystals and Liquid Crystals</i> , 2021, 729, 78-84.	0.4	1

#	ARTICLE	IF	CITATIONS
637	Development of a novel slit-nozzle design for the lamination of optically clear resin for a foldable OLED. <i>Molecular Crystals and Liquid Crystals</i> , 0, , 1-9.	0.4	0
638	Stretchable organic optoelectronic devices: Design of materials, structures, and applications. <i>Materials Science and Engineering Reports</i> , 2021, 146, 100631.	14.8	48
639	Stretchable array of CdSe/ZnS quantum-dot light emitting diodes for visual display of bio-signals. <i>Chemical Engineering Journal</i> , 2022, 427, 130858.	6.6	27
640	Research on flexible silver nanowire electrode for organic light-emitting devices. <i>Optoelectronics Letters</i> , 2021, 17, 70-74.	0.4	2
641	Enhanced stretchability of metal/interlayer/metal hybrid electrode. <i>Nanoscale</i> , 2021, 13, 4543-4550.	2.8	6
642	Flexible, Robust, and Durable Aramid Fiber/CNT Composite Paper as a Multifunctional Sensor for Wearable Applications. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 5486-5497.	4.0	55
643	Fused Aromatic Network with Exceptionally High Carrier Mobility. <i>Advanced Materials</i> , 2021, 33, e2004707.	11.1	16
644	Stable pure-blue hyperfluorescence organic light-emitting diodes with high-efficiency and narrow emission. <i>Nature Photonics</i> , 2021, 15, 203-207.	15.6	449
645	Prominence of conjugated polymers. , 2021, , 1-25.		0
646	Recent advances in stretchable field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2021, 9, 7796-7828.	2.7	15
647	Flexible Light Sources. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1293, 601-612.	0.8	0
648	Foldable solar cells: Structure design and flexible materials. <i>Nano Select</i> , 2021, 2, 865-879.	1.9	1
649	Tensile properties of two-dimensional poly(3-hexyl thiophene) thin films as a function of thickness. <i>Journal of Materials Chemistry C</i> , 0, , .	2.7	1
650	Highly Deformable and See-Through Polymer Light-Emitting Diodes with All-Conducting-Polymer Electrodes. <i>Advanced Materials</i> , 2018, 30, 1703437.	11.1	69
651	Stretchable Fluorescent Polyfluorene/Acrylonitrile Butadiene Rubber Blend Electrospun Fibers through Physical Interaction and Geometrical Confinement. <i>Macromolecular Rapid Communications</i> , 2018, 39, 1700616.	2.0	12
652	Inkjet Printing of Curing Agent on Thin PDMS for Local Tailoring of Mechanical Properties. <i>Macromolecular Rapid Communications</i> , 2020, 41, 1900569.	2.0	4
653	Fast and low-cost patterning of electrodes on versatile 2D and 3D substrates by cutting and origami cohesive thermoplastic for biosensing applications. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 2431-2436.	4.0	7
654	Full-solution processed, flexible, top-emitting polymer light-emitting diodes based on printed Ag electrodes. <i>Journal of Materials Chemistry C</i> , 2017, 5, 6400-6405.	2.7	13

#	ARTICLE	IF	CITATIONS
673	Measurement Technologies of Mechanical Properties of Polymers used for Flexible and Stretchable Electronic Packaging. Journal of the Microelectronics and Packaging Society, 2016, 23, 19-28.	0.1	1
674	Formation and Gas Barrier Characteristics of Polysilazane-Derived Silica Coatings Formed by Excimer Light Irradiation on PET Films with Vacuum Evaporated Silica Coatings. Materials Sciences and Applications, 2017, 08, 1-14.	0.3	3
675	Interchain and intrachain triplets in poly(3-thienylene vinylene) derivatives. Journal of Photonics for Energy, 2018, 8, 1.	0.8	0
676	PLAZMA POLÄ°MERÄ°ZE D-LÄ°MONENE Ä°NCE FÄ°LMLERÄ°N ISLANABÄ°LÄ°RLÄ°K, OPTÄ°K VE KÄ°MYASAL Ä°ZELLÄ°KLERÄ°. Ä°me Halisdemir Ä°niversitesi MÄ°hendislik Bilimleri Dergisi, 0, , .	0.2	0
677	Flexible Terahertz Sensing Device and its Applications to Nondestructive Inspections. The Review of Laser Engineering, 2019, 47, 32.	0.0	0
678	Fabrication of Flexible BaTiO ₃ Thin Films. IEEJ Transactions on Electronics, Information and Systems, 2019, 139, 211-212.	0.1	6
679	Ultra-flexible organic imager and sensors. Proceedings of the International Display Workshops, 2019, , 1596.	0.1	0
680	Heat-Resistant Properties of a SiO ₂ -Coated PET Film Prepared by Irradiating a Polysilazane-Coated Film with Excimer Light. Materials Sciences and Applications, 2020, 11, 58-69.	0.3	2
681	Organic Light-Emitting Diode Based Fluorescence Sensing System for DNA Detection. Advanced Materials Technologies, 2022, 7, 2100806.	3.0	7
682	Metal Micropatterning by Triboelectric Spark Discharge. Advanced Functional Materials, 2022, 32, .	7.8	7
683	Inverse design of organic light-emitting diode structure based on deep neural networks. Nanophotonics, 2021, 10, 4533-4541.	2.9	8
684	A Flexible and Wavelength-Designable Polymer Light-Emitting Diode Employing Sandwich-Encapsulation for Wearable Skin Rejuvenation Photomedicine. Advanced Materials Interfaces, 2021, 8, 2100856.	1.9	7
685	Flexible Photodetectors Based on All-Solution-Processed Cu Electrodes and InSe Nanoflakes with High Stabilities. Advanced Functional Materials, 2022, 32, 2108261.	7.8	18
686	Organic Electrical Passive Components Based on Polyaniline. , 2020, , .		2
687	Stretchable Inorganic LED Displays with Double-Layer Modular Design for High Fill Factor. ACS Applied Materials & Interfaces, 2022, 14, 4344-4351.	4.0	14
688	3D-printed flexible organic light-emitting diode displays. Science Advances, 2022, 8, eabl8798.	4.7	50
689	Stretchable Organic Light-Emitting Devices with Invisible Orderly Wrinkles by using a Transfer-Free Technique. Advanced Materials Technologies, 2022, 7, .	3.0	5
690	Flexible Metal Electrodes by Femtosecond Laser-Activated Deposition for Human-Machine Interfaces. ACS Applied Materials & Interfaces, 2022, 14, 11971-11980.	4.0	12

#	ARTICLE	IF	CITATIONS
691	LambertW Function to Extract Physical Parameters of a Schottky Barrier Diode from Its I-V Characteristics. <i>Energies</i> , 2022, 15, 1667.	1.6	1
692	Wearable and Biocompatible Blood Oxygen Sensor Based on Heterogeneously Integrated Lasers on a Laser-Induced Graphene Electrode. <i>ACS Applied Electronic Materials</i> , 2022, 4, 1583-1591.	2.0	9
693	Electrical Reliability of Flexible Silicon Package Integrated on Polymer Substrate During Repeated Bending Deformations. <i>Journal of Electronic Packaging, Transactions of the ASME</i> , 2022, 144, .	1.2	2
694	A robust vertical nanoscaffold for recyclable, paintable, and flexible light-emitting devices. <i>Science Advances</i> , 2022, 8, eabn2225.	4.7	10
695	Nanometer-Thick Thiophene Monolayers as Templates for the Gas-Phase Epitaxy of Poly(3,4-Ethylenedioxythiophene) Films on Gold: Implications for Organic Electronics. <i>ACS Applied Nano Materials</i> , 2022, 5, 3194-3200.	2.4	1
696	Effects of blister formation on the degradation of organic light emitting devices. <i>AIP Advances</i> , 2022, 12, 035308.	0.6	0
697	Enhancing the Deep-Blue Emission Property of Wide Bandgap Conjugated Polymers through a Self-Cross-Linking Strategy. <i>ACS Applied Polymer Materials</i> , 2022, 4, 2283-2293.	2.0	4
699	High-brightness all-polymer stretchable LED with charge-trapping dilution. <i>Nature</i> , 2022, 603, 624-630.	13.7	170
700	Near-infrared organic photodetectors with a soluble Alkoxy-Phthalocyanine derivative. <i>Optical Materials</i> , 2022, 126, 112209.	1.7	6
701	Fabrication of inverted inorganic-organic quantum-dot light-emitting diodes with solution-processed n-type oxide electron injection layers and QD-polymer blend light-emitting layers. <i>Japanese Journal of Applied Physics</i> , 2022, 61, SE1018.	0.8	1
702	3D printed electronics: Processes, materials and future trends. <i>Progress in Materials Science</i> , 2022, 127, 100945.	16.0	92
703	A Printable and Conductive Yield-Stress Fluid as an Ultrastretchable Transparent Conductor. <i>Research</i> , 2021, 2021, 9874939.	2.8	9
704	Hydrogel-based triboelectric nanogenerators: Properties, performance, and applications. <i>International Journal of Energy Research</i> , 2022, 46, 5603-5624.	2.2	28
705	APPLICATION OF CAD IN PRINTED ELECTRONICS. , 2021, , .		0
706	Numerical Study on Broadband Antireflection of Moth-Eye Nanostructured Polymer Film with Flexible Polyethylene Terephthalate Substrate. <i>Nanomaterials</i> , 2021, 11, 3313.	1.9	3
707	Progress of Conjugated Polymers as Emerging Thermoelectric Materials. <i>Progress in Polymer Science</i> , 2022, 129, 101548.	11.8	66
708	A Molecular Design Principle for Pure-Blue Light-Emitting Polydiarylfuorene with Suppressed Defect Emission by the Side-Chain Steric Hindrance Effect. <i>Macromolecules</i> , 2022, 55, 3335-3343.	2.2	4
709	Entangled structure morphology by polymer guest enabling mechanically robust organic solar cells with efficiencies of over 16.5%. <i>Matter</i> , 2022, 5, 1877-1889.	5.0	38

#	ARTICLE	IF	CITATIONS
710	High-Efficiency Semitransparent Light-Emitting Diodes with Perovskite Nanocrystals. ACS Applied Materials & Interfaces, 2022, 14, 19697-19703.	4.0	8
713	Intrinsically flexible displays: key materials and devices. National Science Review, 2022, 9, .	4.6	40
714	The Evolution of Self-Wrinkles in a Single-Layer Gradient Polymer Film Based on Viscoelasticity. Macromolecules, 2022, 55, 3563-3572.	2.2	9
715	Airâ€Stable Ultraâ€Flexible Organic Photonic System for Cardiovascular Monitoring. Advanced Materials Technologies, 2022, 7, .	3.0	5
716	A brief review on stretchable, compressible, and deformable supercapacitor for smart devices. Chemical Engineering Journal, 2022, 446, 136876.	6.6	39
717	Brightness-enhanced electroluminescence driven by triboelectric nanogenerators through permittivity manipulation and impedance matching. Nano Energy, 2022, 98, 107308.	8.2	10
718	Ferris-wheel-assisted parylene-C dielectric deposition for improving organic thin-film transistor uniformity. Flexible and Printed Electronics, 0, , .	1.5	0
719	Materials and design strategies for stretchable electroluminescent devices. Nanoscale Horizons, 2022, 7, 801-821.	4.1	22
720	All-carbon stretchable and cavity-free white lasers. Optics Express, 2022, 30, 20213.	1.7	2
721	High luminescent polymers for stretchable displays. National Science Review, 2023, 10, .	4.6	6
722	Anthraquinone and its derivatives as sustainable materials for electrochemical applications â€“ a joint experimental and theoretical investigation of the redox potential in solution. Physical Chemistry Chemical Physics, 2022, 24, 16207-16219.	1.3	11
723	PEDOT:PSS hydrogel gate electrodes for OTFT sensors. Journal of Materials Chemistry C, 2022, 10, 13964-13973.	2.7	7
724	Grapheneâ€Based Intrinsically Stretchable 2Dâ€Contact Electrodes for Highly Efficient Organic Lightâ€Emitting Diodes. Advanced Materials, 2022, 34, .	11.1	22
725	Metallic and Low-Work-Function PEDOT:PSS Cathodes for Flexible Organic Solar Cells Exhibiting Over 15% Efficiency and High Stability. ACS Applied Energy Materials, 2022, 5, 7692-7700.	2.5	11
726	41â€1: <i>Invited Paper:</i> Technical Advances in Stretchable Displays for High Pixel Density and High Stretchability. Digest of Technical Papers SID International Symposium, 2022, 53, 514-516.	0.1	1
727	A Biaxially Stretchable and Washable LED Display Enabled by a Wavy-Structured Metal Grid. Journal of Microelectromechanical Systems, 2022, 31, 771-776.	1.7	4
728	Common Metals as Electrodes for Leakâ€Free Organic Lightâ€Emitting Devices Using Extraordinary Thick Phosphotungstic Acid Buffer Layers. Advanced Optical Materials, 0, , 2201185.	3.6	1
729	Mechanical behavior of graphene conductive ink for wearable applications. , 2022, , 107-127.		0

#	ARTICLE	IF	CITATIONS
730	Materials development in stretchable iontronics. <i>Soft Matter</i> , 2022, 18, 6487-6510.	1.2	8
731	Mechanical Properties of Solar Cell Structures. , 2022, , .		0
732	High Brightness, Highly Directional Organic Light-Emitting Diodes as Light Sources for Future Light-Amplifying Prosthetics in the Optogenetic Management of Vision Loss. <i>Advanced Optical Materials</i> , 2023, 11, .	3.6	5
733	A Review of Various Attempts on Multi-Functional Encapsulation Technologies for the Reliability of OLEDs. <i>Micromachines</i> , 2022, 13, 1478.	1.4	10
734	Precursor sources dependent formation of colloidal CdSe quantum dots for UV-LED applications. <i>Particulate Science and Technology</i> , 0, , 1-9.	1.1	0
735	Light-emitting materials for wearable electronics. <i>Nature Reviews Materials</i> , 2022, 7, 839-840.	23.3	16
736	A new amine-carbonyl fused emitter with hybridized excited state for green OLED with high luminance and low efficiency roll-off. <i>Dyes and Pigments</i> , 2023, 208, 110814.	2.0	1
737	Wrinkled 2D hybrid heterostructures for stretchable and sensitive photodetectors. <i>Journal of Materials Chemistry C</i> , 2022, 10, 16370-16378.	2.7	8
738	Development of a TPU/CNT/Cu Composite Conductive Filament with a High CNT Concentration. <i>International Journal of Precision Engineering and Manufacturing</i> , 2023, 24, 265-271.	1.1	5
739	Multi-scale analyses on mechano-electric degradation of film interconnects in flexible electronics. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2023, 46, 259-270.	1.7	0
740	Flexible Thin-Film Speaker Integrated with an Array of Quantum-Dot Light-Emitting Diodes for the Interactive Audiovisual Display of Multi-functional Sensor Signals. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 48844-48856.	4.0	7
741	Stable Deep-Blue Polymer Light-Emitting Diodes with Well-Resolved Emission from a Planar Conformational Chain of Polydiarylfluorenes via Alternating Copolymerization. <i>Advanced Optical Materials</i> , 2023, 11, .	3.6	5
742	High-efficiency and stable blue hyperfluorescence organic light-emitting diode. , 2022, , .		0
743	Intrinsically Stretchable Electroluminescent Elastomers with Self-Confinement Effect for Highly Efficient Non-Blended Stretchable OLEDs. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	7
744	Intrinsically Stretchable Electroluminescent Elastomers with Self-Confinement Effect for Highly Efficient Non-Blended Stretchable OLEDs. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	6
745	A Magnetically and Thermally Controlled Liquid Metal Variable Stiffness Material. <i>Advanced Engineering Materials</i> , 2023, 25, .	1.6	8
746	Low-temperature-processable amorphous-oxide-semiconductor-based phosphors for durable light-emitting diodes. <i>Applied Physics Letters</i> , 2022, 121, 192108.	1.5	0
747	Stretchable conductors for stretchable field-effect transistors and functional circuits. <i>Chemical Society Reviews</i> , 2023, 52, 795-835.	18.7	18

#	ARTICLE	IF	CITATIONS
748	Ultra-flexible organic photonic system for detecting the bio signals. , 2022, , .		0
749	PEDOT:PSS-based screen-printable inks for H ₂ O ₂ electrochemical detection. <i>Electrochimica Acta</i> , 2023, 439, 141615.	2.6	5
750	Silicone engineered anisotropic lithography for ultrahigh-density OLEDs. <i>Nature Communications</i> , 2022, 13, .	5.8	4
751	Progress and Prospects of Nanoscale Emitter Technology for AR/VR Displays. <i>Advanced Materials Technologies</i> , 2023, 8, .	3.0	5
752	Organic Light-Emitting Diode Based Fluorescence-Linked Immunosorbent Assay for SARS-CoV-2 Antibody Detection. <i>Biosensors</i> , 2022, 12, 1125.	2.3	2
753	Structurally Regulated Carbazoleâ€“Pyridine Derivatives Based on Space-Crowded Theory for Efficient Narrowband Ultraviolet Nondoped Organic Light-Emitting Diodes from the High-Lying Reverse Intersystem Crossing Process. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 57092-57101.	4.0	2
754	Stretchable Electrodes Based on Overâ€“Layered Liquid Metal Networks. <i>Advanced Materials</i> , 2023, 35, .	11.1	18
756	Achieving Lowâ€“Voltage Operation of Intrinsicallyâ€“Stretchable Organic Lightâ€“Emitting Diodes. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	3
757	Recent progress of indoor organic photovoltaics - From device performance to multifunctional applications. <i>Organic Electronics</i> , 2023, 114, 106736.	1.4	5
758	Largeâ€“Area Bladeâ€“Coated Deepâ€“Blue Polymer Lightâ€“Emitting Diodes with a Narrowband and Uniform Emission. <i>Advanced Science</i> , 2023, 10, .	5.6	3
759	Large Scale Stiffness Variable Elastomer Made By Liquid Metal. , 2022, , .		0
760	Anodeâ€“Patterned Monorailâ€“Structure Fiberâ€“Based Organic Lightâ€“Emitting Diodes with Long Lifetime and High Performance for Truly Wearable Displays. <i>Advanced Optical Materials</i> , 2023, 11, .	3.6	1
761	High-efficiency stretchable light-emitting polymers from thermally activated delayed fluorescence. <i>Nature Materials</i> , 2023, 22, 737-745.	13.3	28
762	Ultrastretchable alternating current electroluminescent panels for arbitrary luminous patterns. <i>Applied Materials Today</i> , 2023, 31, 101764.	2.3	1
763	Wrinkled Interfaces: Taking Advantage of Anisotropic Wrinkling to Periodically Pattern Polymer Surfaces. <i>Advanced Science</i> , 2023, 10, .	5.6	14
764	Polymer Banknotes: A Review of Materials, Design, and Printing. <i>Sustainability</i> , 2023, 15, 3736.	1.6	1
765	é«~æ%ã¼,é«~è¿çS»çŽŒã¼-¼ã¼½“ç³ç±³çç”ã...±æ-è-,è†œã”ç”ãŽã©CEã...ãæ%ã¼,æœ%æœæ™¶ã¼½“ç³ç. SciencesChina Mat		
766	Highâ€“efficiency stretchable organic lightâ€“emitting diodes based on ultraâ€“flexible printed embedded metal composite electrodes. <i>InformaAn-MateriÄjly</i> , 2023, 5, .	8.5	15

#	ARTICLE	IF	CITATIONS
767	Light-Induced In Situ Dynamic Ordered Wrinkling with Arbitrarily Tailorable Wrinkling Orientation for Photoresponsive Soft Photonics. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	2
768	Inverted semitransparent perovskite nanocrystal light-emitting diodes with a conjugated polymer as an electron transport layer. <i>Nanoscale</i> , 2023, 15, 5720-5725.	2.8	2
769	Matrix Effect on Polydiarylflorenes Electrospun Hybrid Microfibers: From Morphology Tuning to High Explosive Detection Efficiency. <i>Chinese Journal of Polymer Science (English Edition)</i> , 0, , .	2.0	0
770	Large-Area Deep-Blue Polymer Light-Emitting Diodes with Well-Resolved Emission from Planar Conformational Segments Fabricated via Brush Coating. <i>Advanced Optical Materials</i> , 2023, 11, .	3.6	3
771	Soft Electronics for Health Monitoring Assisted by Machine Learning. <i>Nano-Micro Letters</i> , 2023, 15, .	14.4	23
772	Ultrathin High-Mobility SWCNT Transistors with Electrodes Printed by Nanoporous Stamp Flexography. <i>ACS Applied Nano Materials</i> , 2023, 6, 5075-5080.	2.4	2
773	Heterostructure Engineering of Solution-Processable Semiconductors for Wearable Optoelectronics. <i>ACS Applied Electronic Materials</i> , 2023, 5, 5278-5290.	2.0	1
774	Optical neuromodulation at all scales: from nanomaterials to wireless optoelectronics and integrated systems. <i>Chemical Society Reviews</i> , 2023, 52, 3326-3352.	18.7	7
775	High-Throughput Screening of Deformable Inorganic Layered Semiconductors. <i>Journal of Physical Chemistry C</i> , 2023, 127, 7870-7877.	1.5	5
776	Strategies for the Design of PEDOT Analogues Unraveled: the Use of Chalcogen Bonds and π -Holes. <i>Journal of Physical Chemistry A</i> , 0, , .	1.1	0
798	Toward ultraflexible organic electronic devices. <i>MRS Bulletin</i> , 2023, 48, 999-1012.	1.7	1
815	Body-conformable light-emitting materials and devices. <i>Nature Photonics</i> , 2024, 18, 114-126.	15.6	1
823	Nanomaterials in flexible and wearable electronics/e-textiles. , 2024, , 277-308.		0