

# Tomoyuki Yokota

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

225  
papers

25,528  
citations

59  
h-index

159  
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249  
ext. papers

29,388  
ext. citations

13.1  
avg, IF

7.41  
L-index

#	Paper	IF	Citations
225	Materials and mechanics for stretchable electronics. <i>Science</i> , <b>2010</b> , 327, 1603-7	33.3	3464
224	An ultra-lightweight design for imperceptible plastic electronics. <i>Nature</i> , <b>2013</b> , 499, 458-63	50.4	1781
223	A large-area, flexible pressure sensor matrix with organic field-effect transistors for artificial skin applications. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 9966-70	11.5	1512
222	Stretchable active-matrix organic light-emitting diode display using printable elastic conductors. <i>Nature Materials</i> , <b>2009</b> , 8, 494-9	27	1425
221	Ultrathin and lightweight organic solar cells with high flexibility. <i>Nature Communications</i> , <b>2012</b> , 3, 770	17.4	1234
220	A rubberlike stretchable active matrix using elastic conductors. <i>Science</i> , <b>2008</b> , 321, 1468-72	33.3	1156
219	Conformable, flexible, large-area networks of pressure and thermal sensors with organic transistor active matrixes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 12321-5	11.5	1139
218	Flexible organic transistors and circuits with extreme bending stability. <i>Nature Materials</i> , <b>2010</b> , 9, 1015-22	27	1012
217	The rise of plastic bioelectronics. <i>Nature</i> , <b>2016</b> , 540, 379-385	50.4	925
216	Organic nonvolatile memory transistors for flexible sensor arrays. <i>Science</i> , <b>2009</b> , 326, 1516-9	33.3	812
215	Ultrathin, highly flexible and stretchable PLEDs. <i>Nature Photonics</i> , <b>2013</b> , 7, 811-816	33.9	706
214	Ultraflexible organic photonic skin. <i>Science Advances</i> , <b>2016</b> , 2, e1501856	14.3	612
213	Inflammation-free, gas-permeable, lightweight, stretchable on-skin electronics with nanomeshes. <i>Nature Nanotechnology</i> , <b>2017</b> , 12, 907-913	28.7	555
212	A transparent bending-insensitive pressure sensor. <i>Nature Nanotechnology</i> , <b>2016</b> , 11, 472-8	28.7	549
211	Printable elastic conductors with a high conductivity for electronic textile applications. <i>Nature Communications</i> , <b>2015</b> , 6, 7461	17.4	540
210	Self-powered ultra-flexible electronics via nano-grating-patterned organic photovoltaics. <i>Nature</i> , <b>2018</b> , 561, 516-521	50.4	468
209	Printable elastic conductors by in situ formation of silver nanoparticles from silver flakes. <i>Nature Materials</i> , <b>2017</b> , 16, 834-840	27	416

208	Stretchable and waterproof elastomer-coated organic photovoltaics for washable electronic textile applications. <i>Nature Energy</i> , <b>2017</b> , 2, 780-785	62.3	270
207	Ultraflexible, large-area, physiological temperature sensors for multipoint measurements. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 14533-8	11.5	247
206	Organic transistors with high thermal stability for medical applications. <i>Nature Communications</i> , <b>2012</b> , 3, 723	17.4	237
205	Organic Photodetectors for Next-Generation Wearable Electronics. <i>Advanced Materials</i> , <b>2020</b> , 32, e1902045	14.5	214
204	Materials and structural designs of stretchable conductors. <i>Chemical Society Reviews</i> , <b>2019</b> , 48, 2946-2968	18.5	189
203	Toward a new generation of smart skins. <i>Nature Biotechnology</i> , <b>2019</b> , 37, 382-388	44.5	182
202	Enhancing the Performance of Stretchable Conductors for E-Textiles by Controlled Ink Permeation. <i>Advanced Materials</i> , <b>2017</b> , 29, 1605848	24	170
201	Photoresponsive Anisotropic Soft Solids: Liquid-Crystalline Physical Gels Based on a Chiral Photochromic Gelator. <i>Advanced Materials</i> , <b>2003</b> , 15, 1335-1338	24	165
200	Pseudo-CMOS: A Design Style for Low-Cost and Robust Flexible Electronics. <i>IEEE Transactions on Electron Devices</i> , <b>2011</b> , 58, 141-150	2.9	162
199	The Future of Flexible Organic Solar Cells. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2000765	21.8	149
198	Imperceptible magnetoelectronics. <i>Nature Communications</i> , <b>2015</b> , 6, 6080	17.4	148
197	Nanomesh pressure sensor for monitoring finger manipulation without sensory interference. <i>Science</i> , <b>2020</b> , 370, 966-970	33.3	145
196	Mechanically adaptive organic transistors for implantable electronics. <i>Advanced Materials</i> , <b>2014</b> , 26, 4967-73	17.3	144
195	Ultraflexible organic amplifier with biocompatible gel electrodes. <i>Nature Communications</i> , <b>2016</b> , 7, 11425	17.4	139
194	A Highly Sensitive Capacitive-type Strain Sensor Using Wrinkled Ultrathin Gold Films. <i>Nano Letters</i> , <b>2018</b> , 18, 5610-5617	11.5	138
193	Ultraflexible organic field-effect transistors embedded at a neutral strain position. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 173502	3.4	138
192	Transparent, conformable, active multielectrode array using organic electrochemical transistors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 10554-10559	11.5	133
191	An imperceptible plastic electronic wrap. <i>Advanced Materials</i> , <b>2015</b> , 27, 34-40	24	131

190	Ultrasoft electronics to monitor dynamically pulsing cardiomyocytes. <i>Nature Nanotechnology</i> , <b>2019</b> , 14, 156-160	28.7	115
189	Ultraflexible Near-Infrared Organic Photodetectors for Conformal Photoplethysmogram Sensors. <i>Advanced Materials</i> , <b>2018</b> , 30, e1802359	24	111
188	Stretchable organic integrated circuits for large-area electronic skin surfaces. <i>MRS Bulletin</i> , <b>2012</b> , 37, 236-245	3.2	110
187	A 4 V Operation, Flexible Braille Display Using Organic Transistors, Carbon Nanotube Actuators, and Organic Static Random-Access Memory. <i>Advanced Functional Materials</i> , <b>2011</b> , 21, 4019-4027	15.6	109
186	A strain-absorbing design for tissue-machine interfaces using a tunable adhesive gel. <i>Nature Communications</i> , <b>2014</b> , 5, 5898	17.4	106
185	Effects of the alkyl chain length in phosphonic acid self-assembled monolayer gate dielectrics on the performance and stability of low-voltage organic thin-film transistors. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 203301	3.4	106
184	Integration of Organic Electrochemical and Field-Effect Transistors for Ultraflexible, High Temporal Resolution Electrophysiology Arrays. <i>Advanced Materials</i> , <b>2016</b> , 28, 9722-9728	24	101
183	300-nm Imperceptible, Ultraflexible, and Biocompatible e-Skin Fit with Tactile Sensors and Organic Transistors. <i>Advanced Electronic Materials</i> , <b>2016</b> , 2, 1500452	6.4	100
182	Flexible low-voltage organic thin-film transistors and circuits based on C10-DNTT. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 4273-4277		92
181	Control of threshold voltage of organic field-effect transistors with double-gate structures. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 023509	3.4	91
180	Nonthrombogenic, stretchable, active multielectrode array for electroanatomical mapping. <i>Science Advances</i> , <b>2018</b> , 4, eaau2426	14.3	89
179	Flexible low-voltage organic transistors with high thermal stability at 250 °C. <i>Advanced Materials</i> , <b>2013</b> , 25, 3639-44	24	84
178	Sheet-Type Flexible Organic Active Matrix Amplifier System Using Pseudo-CMOS Circuits With Floating-Gate Structure. <i>IEEE Transactions on Electron Devices</i> , <b>2012</b> , 59, 3434-3441	2.9	83
177	Self-Adhesive and Ultra-Conformable, Sub-300 nm Dry Thin-Film Electrodes for Surface Monitoring of Biopotentials. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1803279	15.6	81
176	Thermally stable, highly efficient, ultraflexible organic photovoltaics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 4589-4594	11.5	80
175	Direct inkjet printing of silver electrodes on organic semiconductors for thin-film transistors with top contact geometry. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 043303	3.4	74
174	Robust metal ion-chelated polymer interfacial layer for ultraflexible non-fullerene organic solar cells. <i>Nature Communications</i> , <b>2020</b> , 11, 4508	17.4	73
173	. <i>IEEE Transactions on Electron Devices</i> , <b>2010</b> , 57, 995-1002	2.9	70

172	A conformable imager for biometric authentication and vital sign measurement. <i>Nature Electronics</i> , <b>2020</b> , 3, 113-121	28.4	67
171	Highly Durable Nanofiber-Reinforced Elastic Conductors for Skin-Tight Electronic Textiles. <i>ACS Nano</i> , <b>2019</b> , 13, 7905-7912	16.7	64
170	A few-layer molecular film on polymer substrates to enhance the performance of organic devices. <i>Nature Nanotechnology</i> , <b>2018</b> , 13, 139-144	28.7	64
169	Natural Biopolymer-Based Biocompatible Conductors for Stretchable Bioelectronics. <i>Chemical Reviews</i> , <b>2021</b> , 121, 2109-2146	68.1	64
168	A Highly Responsive Organic Image Sensor Based on a Two-Terminal Organic Photodetector with Photomultiplication. <i>Advanced Materials</i> , <b>2019</b> , 31, e1903687	24	63
167	A durable nanomesh on-skin strain gauge for natural skin motion monitoring with minimum mechanical constraints. <i>Science Advances</i> , <b>2020</b> , 6, eabb7043	14.3	61
166	An Organic FET SRAM With Back Gate to Increase Static Noise Margin and Its Application to Braille Sheet Display. <i>IEEE Journal of Solid-State Circuits</i> , <b>2007</b> , 42, 93-100	5.5	59
165	Efficient and Mechanically Robust Ultraflexible Organic Solar Cells Based on Mixed Acceptors. <i>Joule</i> , <b>2020</b> , 4, 128-141	27.8	58
164	Insole Pedometer With Piezoelectric Energy Harvester and 2 V Organic Circuits. <i>IEEE Journal of Solid-State Circuits</i> , <b>2013</b> , 48, 255-264	5.5	57
163	Highly Stretchable Metallic Nanowire Networks Reinforced by the Underlying Randomly Distributed Elastic Polymer Nanofibers via Interfacial Adhesion Improvement. <i>Advanced Materials</i> , <b>2019</b> , 31, e1903446	24	56
162	All-nanofiber-based, ultrasensitive, gas-permeable mechanoacoustic sensors for continuous long-term heart monitoring. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 7063-7070	11.5	53
161	Control of threshold voltage in low-voltage organic complementary inverter circuits with floating gate structures. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 193302	3.4	49
160	Reverse-Offset Printed Ultrathin Ag Mesh for Robust Conformal Transparent Electrodes for High-Performance Organic Photovoltaics. <i>Advanced Materials</i> , <b>2018</b> , 30, e1707526	24	48
159	Organic Pseudo-CMOS Circuits for Low-Voltage Large-Gain High-Speed Operation. <i>IEEE Electron Device Letters</i> , <b>2011</b> , 32, 1448-1450	4.4	48
158	1 mm-thickness ultra-flexible and high electrode-density surface electromyogram measurement sheet with 2 V organic transistors for prosthetic hand control. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , <b>2014</b> , 8, 824-33	5.1	47
157	High-Frequency, Conformable Organic Amplifiers. <i>Advanced Materials</i> , <b>2016</b> , 28, 3298-304	24	46
156	Bioinspired design of a polymer gel sensor for the realization of extracellular Ca(2+) imaging. <i>Scientific Reports</i> , <b>2016</b> , 6, 24275	4.9	45
155	Thermal stability of organic thin-film transistors with self-assembled monolayer dielectrics. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 053302	3.4	45

154	Ultrathin Organic Electrochemical Transistor with Nonvolatile and Thin Gel Electrolyte for Long-Term Electrophysiological Monitoring. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1906982	15.6	44
153	Dual-gate organic phototransistor with high-gain and linear photoresponse. <i>Nature Communications</i> , <b>2018</b> , 9, 4546	17.4	44
152	Skin Electronics: Next-Generation Device Platform for Virtual and Augmented Reality. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2009602	15.6	42
151	Electrospun nanofiber-based soft electronics. <i>NPG Asia Materials</i> , <b>2021</b> , 13,	10.3	41
150	Recent Progress of Flexible Image Sensors for Biomedical Applications. <i>Advanced Materials</i> , <b>2021</b> , 33, e2004416	24	41
149	Imperceptible organic electronics. <i>MRS Bulletin</i> , <b>2017</b> , 42, 124-130	3.2	38
148	Self-powered ultraflexible photonic skin for continuous bio-signal detection via air-operation-stable polymer light-emitting diodes. <i>Nature Communications</i> , <b>2021</b> , 12, 2234	17.4	34
147	Organic Photovoltaics: Toward Self-Powered Wearable Electronics. <i>Proceedings of the IEEE</i> , <b>2019</b> , 107, 2137-2154	14.3	32
146	Low operating voltage organic transistors and circuits with anodic titanium oxide and phosphonic acid self-assembled monolayer dielectrics. <i>Organic Electronics</i> , <b>2017</b> , 40, 58-64	3.5	31
145	Ambient Electronics. <i>Japanese Journal of Applied Physics</i> , <b>2012</b> , 51, 100001	1.4	31
144	Highly efficient organic photovoltaics with enhanced stability through the formation of doping-induced stable interfaces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 6391-6397	11.5	30
143	Vacuum Ultraviolet Treatment of Self-Assembled Monolayers: A Tool for Understanding Growth and Tuning Charge Transport in Organic Field-Effect Transistors. <i>Advanced Materials</i> , <b>2016</b> , 28, 2049-54	24	29
142	Low-voltage organic transistor with subfemtoliter inkjet source-drain contacts. <i>MRS Communications</i> , <b>2011</b> , 1, 3-6	2.7	29
141	Air-Stable Operation of Organic Field-Effect Transistors on Plastic Films Using Organic/Metallic Hybrid Passivation Layers. <i>Japanese Journal of Applied Physics</i> , <b>2007</b> , 46, 4300-4306	1.4	29
140	Emerging Trends in Flexible Active Multielectrode Arrays. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 6347-6358	9.6	28
139	High Operation Stability of Ultraflexible Organic Solar Cells with Ultraviolet-Filtering Substrates. <i>Advanced Materials</i> , <b>2019</b> , 31, e1808033	24	28
138	User Customizable Logic Paper (UCLP) With Sea-Of Transmission-Gates (SOTG) of 2-V Organic CMOS and Ink-Jet Printed Interconnects. <i>IEEE Journal of Solid-State Circuits</i> , <b>2011</b> , 46, 285-292	5.5	26
137	Low operation voltage of inkjet-printed plastic sheet-type micromechanical switches. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 053302	3.4	25

136	Effects of annealing on electronic and structural characteristics of pentacene thin-film transistors on polyimide gate dielectrics. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 023302	3.4	24
135	An Efficient Ultra-Flexible Photo-Charging System Integrating Organic Photovoltaics and Supercapacitors. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2000523	21.8	22
134	Improvement of long-term outcomes in pancreatic cancer and its associated factors within the gemcitabine era: a collaborative retrospective multicenter clinical review of 1,082 patients. <i>BMC Gastroenterology</i> , <b>2013</b> , 13, 134	3	22
133	Ultraflexible Transparent Oxide/Metal/Oxide Stack Electrode with Low Sheet Resistance for Electrophysiological Measurements. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 34744-34750	9.5	21
132	Stretchable EMI Measurement Sheet With 8 $\times$ 8 Coil Array, 2 V Organic CMOS Decoder, and 0.18 $\mu$ m Silicon CMOS LSIs for Electric and Magnetic Field Detection. <i>IEEE Journal of Solid-State Circuits</i> , <b>2010</b> , 45, 249-259	5.5	21
131	Durable Ultraflexible Organic Photovoltaics with Novel Metal-Oxide-Free Cathode. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1808378	15.6	21
130	Ultraflexible organic light-emitting diodes for optogenetic nerve stimulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 21138-21146	11.5	20
129	A 100-V AC Energy Meter Integrating 20-V Organic CMOS Digital and Analog Circuits With a Floating Gate for Process Variation Compensation and a 100-V Organic pMOS Rectifier. <i>IEEE Journal of Solid-State Circuits</i> , <b>2012</b> , 47, 301-309	5.5	18
128	High-resolution spatial control of the threshold voltage of organic transistors by microcontact printing of alkyl and fluoroalkylphosphonic acid self-assembled monolayers. <i>Organic Electronics</i> , <b>2015</b> , 26, 239-244	3.5	17
127	A field-cycle-induced high-dielectric phase in ferroelectric copolymer. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 114506	2.5	17
126	A large-area flexible wireless power transmission sheet using printed plastic MEMS switches and organic field-effect transistors <b>2006</b> ,		17
125	A Monolithically Processed Rectifying Pixel for High-Resolution Organic Imagers. <i>Advanced Electronic Materials</i> , <b>2018</b> , 4, 1700601	6.4	15
124	High performance foldable polymer thin film transistors with a side gate architecture. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 18804		15
123	Smart Face Mask Based on an Ultrathin Pressure Sensor for Wireless Monitoring of Breath Conditions. <i>Advanced Materials</i> , <b>2021</b> , e2107758	24	15
122	Skin Impedance Measurements with Nanomesh Electrodes for Monitoring Skin Hydration. <i>Advanced Healthcare Materials</i> , <b>2020</b> , 9, e2001322	10.1	15
121	Ultra-flexible short-channel organic field-effect transistors. <i>Applied Physics Express</i> , <b>2015</b> , 8, 091601	2.4	14
120	Transparency-enhancing technology allows three-dimensional assessment of gastrointestinal mucosa: A porcine model. <i>Pathology International</i> , <b>2018</b> , 68, 102-108	1.8	14
119	Ultraflexible organic electronics. <i>MRS Bulletin</i> , <b>2015</b> , 40, 1130-1137	3.2	14

118	Ambient Electronics. <i>Japanese Journal of Applied Physics</i> , <b>2012</b> , 51, 100001	1.4	14
117	Intelligent and Multifunctional Graphene Nanomesh Electronic Skin with High Comfort. <i>Small</i> , <b>2021</b> , e2104810	11	14
116	Soft sensors for a sensing-actuation system with high bladder voiding efficiency. <i>Science Advances</i> , <b>2020</b> , 6, eaba0412	14.3	13
115	Interconnected Heat-Press-Treated Gold Nanomesh Conductors for Wearable Sensors. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 1848-1854	5.6	13
114	A Mechanically Durable and Flexible Organic Rectifying Diode with a Polyethylenimine Ethoxylated Cathode. <i>Advanced Electronic Materials</i> , <b>2016</b> , 2, 1600259	6.4	13
113	Well-rounded devices: the fabrication of electronics on curved surfaces - a review. <i>Materials Horizons</i> , <b>2021</b> , 8, 1926-1958	14.4	13
112	Robust, self-adhesive, reinforced polymeric nanofilms enabling gas-permeable dry electrodes for long-term application. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	13
111	Low-Power Monolithically Stacked Organic Photodiode-Blocking Diode Imager by Turn-On Voltage Engineering. <i>Advanced Electronic Materials</i> , <b>2018</b> , 4, 1800311	6.4	12
110	Nanomesh Organic Electrochemical Transistor for Comfortable On-Skin Electrodes with Local Amplifying Function. <i>ACS Applied Electronic Materials</i> , <b>2020</b> , 2, 3601-3609	4	12
109	Direct writing of anodic oxides for plastic electronics. <i>Npj Flexible Electronics</i> , <b>2018</b> , 2,	10.7	12
108	Plastic complementary microelectromechanical switches. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 023305	3.4	11
107	Stretchable organic optoelectronic devices: Design of materials, structures, and applications. <i>Materials Science and Engineering Reports</i> , <b>2021</b> , 146, 100631	30.9	11
106	Nanograting Structured Ultrathin Substrate for Ultraflexible Organic Photovoltaics. <i>Small Methods</i> , <b>2020</b> , 4, 1900762	12.8	9
105	Study of Organic Thin-Film Transistors Under Electrostatic Discharge Stresses. <i>IEEE Electron Device Letters</i> , <b>2011</b> , 32, 967-969	4.4	9
104	High-Transconductance Organic Electrochemical Transistor Fabricated on Ultrathin Films Using Spray Coating. <i>Small Structures</i> , <b>2021</b> , 2, 2000088	8.7	9
103	Stretchable Structural Color Filters Based on a Metal/Insulator/Metal Structure. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1800851	8.1	9
102	Stretchable Piezoelectric Nanoribbons for Biocompatible Energy Harvesting <b>2012</b> , 111-139		8
101	13.2: A Floating-Gate OTFT-Driven AMOLED Pixel Circuit for Variation and Degradation Compensation in Large-Sized Flexible Displays. <i>Digest of Technical Papers SID International Symposium</i> , <b>2011</b> , 42, 149-152	0.5	8



100	Printed Organic Transistors for Large-Area Electronics <b>2007</b> ,		8
99	Programmable Neuron Array Based on a 2-Transistor Multiplier Using Organic Floating-Gate for Intelligent Sensors. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , <b>2017</b> , 7, 81-91	5.2	7
98	16.4 Energy-autonomous fever alarm armband integrating fully flexible solar cells, piezoelectric speaker, temperature detector, and 12V organic complementary FET circuits <b>2015</b> ,		7
97	11.2: Invited Paper: Imperceptible Electronic Skin. <i>Digest of Technical Papers SID International Symposium</i> , <b>2014</b> , 45, 122-125	0.5	7
96	Pseudo-CMOS: A novel design style for flexible electronics <b>2010</b> ,		7
95	Spatial control of the threshold voltage of low-voltage organic transistors by microcontact printing of alkyl- and fluoroalkyl-phosphonic acids. <i>MRS Communications</i> , <b>2011</b> , 1, 33-36	2.7	7
94	Developing the Nondevelopable: Creating Curved-Surface Electronics from Nonstretchable Devices. <i>Advanced Materials</i> , <b>2021</b> , e2106683	24	7
93	Organic electronics Axon-Hillock neuromorphic circuit: towards biologically compatible, and physically flexible, integrate-and-fire spiking neural networks. <i>Journal Physics D: Applied Physics</i> , <b>2021</b> , 54, 104004	3	7
92	Ultraflexible Integrated Organic Electronics for Ultrasensitive Photodetection. <i>Advanced Materials Technologies</i> , <b>2021</b> , 6, 2000956	6.8	7
91	Thermal stability of organic transistors with short channel length on ultrathin foils. <i>Organic Electronics</i> , <b>2015</b> , 26, 279-284	3.5	6
90	Suppressing the negative temperature coefficient effect of resistance in polymer composites with positive temperature coefficients of resistance by coating with parylene. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 7304-7308	7.1	6
89	Multipoint Tissue Circulation Monitoring with a Flexible Optical Probe. <i>Scientific Reports</i> , <b>2017</b> , 7, 9643	4.9	6
88	Printed organic transistors: Toward ambient electronics <b>2009</b> ,		6
87	A large-area, flexible, ultrasonic imaging system with a printed organic transistor active matrix <b>2008</b> ,		6
86	Large-area Electronics Based on Organic Transistors <b>2006</b> ,		6
85	Communication sheets using printed organic nonvolatile memories <b>2007</b> ,		5
84	Ultrathin and Efficient Organic Photovoltaics with Enhanced Air Stability by Suppression of Zinc Element Diffusion.. <i>Advanced Science</i> , <b>2022</b> , e2105288	13.6	5
83	Skin Electronics: Next-Generation Device Platform for Virtual and Augmented Reality (Adv. Funct. Mater. 39/2021). <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2170286	15.6	5

82	Direct gold bonding for flexible integrated electronics.. <i>Science Advances</i> , <b>2021</b> , 7, eabl6228	14.3	5
81	Bionic skins using flexible organic devices <b>2014</b> ,		4
80	Imperceptible Electronic Skin. <i>Information Display</i> , <b>2014</b> , 30, 20-25	0.8	4
79	Power Supply, Generation, and Storage in Stretchable Electronics <b>2012</b> , 287-303		4
78	Soft Actuators <b>2012</b> , 305-324		4
77	Measurement of optical reflection and temperature changes after blood occlusion using a wearable device. <i>Scientific Reports</i> , <b>2020</b> , 10, 11491	4.9	4
76	Foundry-compatible high-resolution patterning of vertically phase-separated semiconducting films for ultraflexible organic electronics. <i>Nature Communications</i> , <b>2021</b> , 12, 4937	17.4	4
75	ABO Blood Type and the Long-term Outcomes of Pancreatic Cancer. <i>Internal Medicine</i> , <b>2020</b> , 59, 761-768.	1	3
74	Photocurrent Amplification in Bulk Heterojunction Organic Phototransistors with Different Donor/Acceptor Ratio. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2018</b> , 12, 1700400	2.5	3
73	Flexible Electronics: Highly Stretchable Metallic Nanowire Networks Reinforced by the Underlying Randomly Distributed Elastic Polymer Nanofibers via Interfacial Adhesion Improvement (Adv. Mater. 37/2019). <i>Advanced Materials</i> , <b>2019</b> , 31, 1970265	24	3
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70	Elastomer-Based Pressure and Strain Sensors <b>2012</b> , 325-353		3
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54	Graphene for Stretchable Electronics <b>2012</b> , 41-80		2
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38	32.3: Invited Paper: Large-Area, Ultraflexible Organic AMOLED Pixel Circuits Driven by Printed Organic Floating-Gate Transistors. <i>Digest of Technical Papers SID International Symposium</i> , <b>2012</b> , 43, 426-429	0.5	1
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36	Modeling of Printed Circuit Board Inspired Stretchable Electronic Systems <b>2012</b> , 141-159		1
35	Reliability and Application Scenarios of Stretchable Electronics Realized Using Printed Circuit Board Technologies <b>2012</b> , 207-233		1
34	Stretchable Electronic and Optoelectronic Devices Using Single-Crystal Inorganic Semiconductor Materials <b>2012</b> , 235-269		1
33	Bio-Based Materials as Templates for Electronic Devices <b>2012</b> , 401-429		1
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28	Organic field-effect transistors with bending radius down to 1 mm. <i>Materials Research Society Symposia Proceedings</i> , <b>2004</b> , 814, 231		1
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13	Organic Integrated Circuits for EMI Measurement <b>2012</b> , 431-448		
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