

# Tomoyuki Yokota

## List of Publications by Year in descending order

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222  
papers

33,354  
citations

12303

69  
h-index

3714

179  
g-index

249  
all docs

249  
docs citations

249  
times ranked

26236  
citing authors

#	ARTICLE	IF	CITATIONS
1	Materials and Mechanics for Stretchable Electronics. <i>Science</i> , 2010, 327, 1603-1607.	6.0	4,135
2	An ultra-lightweight design for imperceptible plastic electronics. <i>Nature</i> , 2013, 499, 458-463.	13.7	2,133
3	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> , 2004, 101, 9966-9970.	3.3	1,725
4	Stretchable active-matrix organic light-emitting diode display using printable elastic conductors. <i>Nature Materials</i> , 2009, 8, 494-499.	13.3	1,620
5	Ultrathin and lightweight organic solar cells with high flexibility. <i>Nature Communications</i> , 2012, 3, 770.	5.8	1,452
6	Conformable, flexible, large-area networks of pressure and thermal sensors with organic transistor active matrices. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 12321-12325.	3.3	1,283
7	The rise of plastic bioelectronics. <i>Nature</i> , 2016, 540, 379-385.	13.7	1,280
8	A Rubberlike Stretchable Active Matrix Using Elastic Conductors. <i>Science</i> , 2008, 321, 1468-1472.	6.0	1,265
9	Flexible organic transistors and circuits with extreme bending stability. <i>Nature Materials</i> , 2010, 9, 1015-1022.	13.3	1,142
10	Organic Nonvolatile Memory Transistors for Flexible Sensor Arrays. <i>Science</i> , 2009, 326, 1516-1519.	6.0	888
11	Ultrathin, highly flexible and stretchable PLEDs. <i>Nature Photonics</i> , 2013, 7, 811-816.	15.6	832
12	Inflammation-free, gas-permeable, lightweight, stretchable on-skin electronics with nanomeshes. <i>Nature Nanotechnology</i> , 2017, 12, 907-913.	15.6	820
13	Ultraflexible organic photonic skin. <i>Science Advances</i> , 2016, 2, e1501856.	4.7	788
14	Self-powered ultra-flexible electronics via nano-grating-patterned organic photovoltaics. <i>Nature</i> , 2018, 561, 516-521.	13.7	743
15	A transparent bending-insensitive pressure sensor. <i>Nature Nanotechnology</i> , 2016, 11, 472-478.	15.6	680
16	Printable elastic conductors with a high conductivity for electronic textile applications. <i>Nature Communications</i> , 2015, 6, 7461.	5.8	677
17	Printable elastic conductors by in situ formation of silver nanoparticles from silver flakes. <i>Nature Materials</i> , 2017, 16, 834-840.	13.3	578
18	Organic Photodetectors for Next-Generation Wearable Electronics. <i>Advanced Materials</i> , 2020, 32, e1902045.	11.1	401

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19	The Future of Flexible Organic Solar Cells. <i>Advanced Energy Materials</i> , 2020, 10, 2000765.	10.2	391
20	Stretchable and waterproof elastomer-coated organic photovoltaics for washable electronic textile applications. <i>Nature Energy</i> , 2017, 2, 780-785.	19.8	369
21	Materials and structural designs of stretchable conductors. <i>Chemical Society Reviews</i> , 2019, 48, 2946-2966.	18.7	367
22	Nanomesh pressure sensor for monitoring finger manipulation without sensory interference. <i>Science</i> , 2020, 370, 966-970.	6.0	361
23	Toward a new generation of smart skins. <i>Nature Biotechnology</i> , 2019, 37, 382-388.	9.4	323
24	Ultraflexible, large-area, physiological temperature sensors for multipoint measurements. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 14533-14538.	3.3	313
25	Organic transistors with high thermal stability for medical applications. <i>Nature Communications</i> , 2012, 3, 723.	5.8	290
26	Enhancing the Performance of Stretchable Conductors for E-textiles by Controlled Ink Permeation. <i>Advanced Materials</i> , 2017, 29, 1605848.	11.1	223
27	Pseudo-CMOS: A Design Style for Low-Cost and Robust Flexible Electronics. <i>IEEE Transactions on Electron Devices</i> , 2011, 58, 141-150.	1.6	213
28	A Highly Sensitive Capacitive-type Strain Sensor Using Wrinkled Ultrathin Gold Films. <i>Nano Letters</i> , 2018, 18, 5610-5617.	4.5	212
29	Transparent, conformable, active multielectrode array using organic electrochemical transistors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 10554-10559.	3.3	201
30	Natural Biopolymer-Based Biocompatible Conductors for Stretchable Bioelectronics. <i>Chemical Reviews</i> , 2021, 121, 2109-2146.	23.0	199
31	Ultrasoft electronics to monitor dynamically pulsing cardiomyocytes. <i>Nature Nanotechnology</i> , 2019, 14, 156-160.	15.6	195
32	Imperceptible magnetoelectronics. <i>Nature Communications</i> , 2015, 6, 6080.	5.8	184
33	Ultraflexible organic amplifier with biocompatible gel electrodes. <i>Nature Communications</i> , 2016, 7, 11425.	5.8	179
34	Photoresponsive Anisotropic Soft Solids: Liquid-Crystalline Physical Gels Based on a Chiral Photochromic Gelator. <i>Advanced Materials</i> , 2003, 15, 1335-1338.	11.1	173
35	Ultraflexible Near-Infrared Organic Photodetectors for Conformal Photoplethysmogram Sensors. <i>Advanced Materials</i> , 2018, 30, e1802359.	11.1	171
36	Mechanically Adaptive Organic Transistors for Implantable Electronics. <i>Advanced Materials</i> , 2014, 26, 4967-4973.	11.1	162

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37	Ultraflexible organic field-effect transistors embedded at a neutral strain position. Applied Physics Letters, 2005, 87, 173502.	1.5	158
38	Nonthrombogenic, stretchable, active multielectrode array for electroanatomical mapping. Science Advances, 2018, 4, eaau2426.	4.7	155
39	A durable nanomesh on-skin strain gauge for natural skin motion monitoring with minimum mechanical constraints. Science Advances, 2020, 6, eabb7043.	4.7	155
40	An Imperceptible Plastic Electronic Wrap. Advanced Materials, 2015, 27, 34-40.	11.1	145
41	Robust metal ion-chelated polymer interfacial layer for ultraflexible non-fullerene organic solar cells. Nature Communications, 2020, 11, 4508.	5.8	141
42	Self-Adhesive and Ultra-Conformable, Sub-300 nm Dry Thin-Film Electrodes for Surface Monitoring of Biopotentials. Advanced Functional Materials, 2018, 28, 1803279.	7.8	136
43	A conformable imager for biometric authentication and vital sign measurement. Nature Electronics, 2020, 3, 113-121.	13.1	134
44	Integration of Organic Electrochemical and Field-Effect Transistors for Ultraflexible, High Temporal Resolution Electrophysiology Arrays. Advanced Materials, 2016, 28, 9722-9728.	11.1	131
45	A 4 V Operation, Flexible Braille Display Using Organic Transistors, Carbon Nanotube Actuators, and Organic Static Random-Access Memory. Advanced Functional Materials, 2011, 21, 4019-4027.	7.8	128
46	Electrospun nanofiber-based soft electronics. NPG Asia Materials, 2021, 13, .	3.8	127
47	Stretchable organic integrated circuits for large-area electronic skin surfaces. MRS Bulletin, 2012, 37, 236-245.	1.7	124
48	A Highly Responsive Organic Image Sensor Based on a Two-Terminal Organic Photodetector with Photomultiplication. Advanced Materials, 2019, 31, e1903687.	11.1	123
49	Self-powered ultraflexible photonic skin for continuous bio-signal detection via air-operation-stable polymer light-emitting diodes. Nature Communications, 2021, 12, 2234.	5.8	121
50	A strain-absorbing design for tissue-machine interfaces using a tunable adhesive gel. Nature Communications, 2014, 5, 5898.	5.8	120
51	300-nm Imperceptible, Ultraflexible, and Biocompatible e-Skin Fit with Tactile Sensors and Organic Transistors. Advanced Electronic Materials, 2016, 2, 1500452.	2.6	120
52	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. Applied Physics Letters, 2009, 95, .	1.5	117
53	Recent Progress of Flexible Image Sensors for Biomedical Applications. Advanced Materials, 2021, 33, e2004416.	11.1	117
54	Control of threshold voltage of organic field-effect transistors with double-gate structures. Applied Physics Letters, 2005, 87, 023509.	1.5	111

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55	All-nanofiber-based, ultrasensitive, gas-permeable mechanoacoustic sensors for continuous long-term heart monitoring. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 7063-7070.	3.3	110
56	Thermally stable, highly efficient, ultraflexible organic photovoltaics. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4589-4594.	3.3	106
57	Highly Stretchable Metallic Nanowire Networks Reinforced by the Underlying Randomly Distributed Elastic Polymer Nanofibers via Interfacial Adhesion Improvement. Advanced Materials, 2019, 31, e1903446.	11.1	106
58	Highly Durable Nanofiber-Reinforced Elastic Conductors for Skin-Tight Electronic Textiles. ACS Nano, 2019, 13, 7905-7912.	7.3	103
59	Flexible Low-Voltage Organic Transistors with High Thermal Stability at 250 Å°C. Advanced Materials, 2013, 25, 3639-3644.	11.1	101
60	Efficient and Mechanically Robust Ultraflexible Organic Solar Cells Based on Mixed Acceptors. Joule, 2020, 4, 128-141.	11.7	101
61	Skin Electronics: Next-Generation Device Platform for Virtual and Augmented Reality. Advanced Functional Materials, 2021, 31, 2009602.	7.8	100
62	Flexible low-voltage organic thin-film transistors and circuits based on C <sub>10</sub> -DNNT. Journal of Materials Chemistry, 2012, 22, 4273-4277.	6.7	99
63	Sheet-Type Flexible Organic Active Matrix Amplifier System Using Pseudo-CMOS Circuits With Floating-Gate Structure. IEEE Transactions on Electron Devices, 2012, 59, 3434-3441.	1.6	97
64	Large-Area Flexible Ultrasonic Imaging System With an Organic Transistor Active Matrix. IEEE Transactions on Electron Devices, 2010, 57, 995-1002.	1.6	85
65	Skin bioelectronics towards long-term, continuous health monitoring. Chemical Society Reviews, 2022, 51, 3759-3793.	18.7	85
66	A few-layer molecular film on polymer substrates to enhance the performance of organic devices. Nature Nanotechnology, 2018, 13, 139-144.	15.6	84
67	Direct inkjet printing of silver electrodes on organic semiconductors for thin-film transistors with top contact geometry. Applied Physics Letters, 2008, 93, .	1.5	83
68	Ultrathin Organic Electrochemical Transistor with Nonvolatile and Thin Gel Electrolyte for Long-Term Electrophysiological Monitoring. Advanced Functional Materials, 2019, 29, 1906982.	7.8	79
69	Dual-gate organic phototransistor with high-gain and linear photoresponse. Nature Communications, 2018, 9, 4546.	5.8	76
70	Smart Face Mask Based on an Ultrathin Pressure Sensor for Wireless Monitoring of Breath Conditions. Advanced Materials, 2022, 34, e2107758.	11.1	75
71	Insole Pedometer With Piezoelectric Energy Harvester and 2 V Organic Circuits. IEEE Journal of Solid-State Circuits, 2013, 48, 255-264.	3.5	74
72	An Organic FET SRAM With Back Gate to Increase Static Noise Margin and Its Application to Braille Sheet Display. IEEE Journal of Solid-State Circuits, 2007, 42, 93-100.	3.5	72

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73	Organic Pseudo-CMOS Circuits for Low-Voltage Large-Gain High-Speed Operation. IEEE Electron Device Letters, 2011, 32, 1448-1450.	2.2	61
74	1 $\mu\text{m}$ Thickness Ultra-Flexible and High Electrode-Density Surface Electromyogram Measurement Sheet With 2 V Organic Transistors for Prosthetic Hand Control. IEEE Transactions on Biomedical Circuits and Systems, 2014, 8, 824-833.	2.7	60
75	Reverse-Offset Printed Ultrathin Ag Mesh for Robust Conformal Transparent Electrodes for High-Performance Organic Photovoltaics. Advanced Materials, 2018, 30, e1707526.	11.1	59
76	On-skin paintable biogel for long-term high-fidelity electroencephalogram recording. Science Advances, 2022, 8, .	4.7	58
77	Robust, self-adhesive, reinforced polymeric nanofilms enabling gas-permeable dry electrodes for long-term application. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	57
78	Control of threshold voltage in low-voltage organic complementary inverter circuits with floating gate structures. Applied Physics Letters, 2011, 98, .	1.5	56
79	Organic Photovoltaics: Toward Self-Powered Wearable Electronics. Proceedings of the IEEE, 2019, 107, 2137-2154.	16.4	56
80	Highly efficient organic photovoltaics with enhanced stability through the formation of doping-induced stable interfaces. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 6391-6397.	3.3	53
81	Bioinspired design of a polymer gel sensor for the realization of extracellular Ca <sup>2+</sup> imaging. Scientific Reports, 2016, 6, 24275.	1.6	52
82	High-Frequency, Conformable Organic Amplifiers. Advanced Materials, 2016, 28, 3298-3304.	11.1	49
83	Thermal stability of organic thin-film transistors with self-assembled monolayer dielectrics. Applied Physics Letters, 2010, 96, 053302.	1.5	48
84	Stretchable organic optoelectronic devices: Design of materials, structures, and applications. Materials Science and Engineering Reports, 2021, 146, 100631.	14.8	48
85	An Efficient Ultra-Flexible Photo-Charging System Integrating Organic Photovoltaics and Supercapacitors. Advanced Energy Materials, 2020, 10, 2000523.	10.2	46
86	High Operation Stability of Ultraflexible Organic Solar Cells with Ultraviolet-Filtering Substrates. Advanced Materials, 2019, 31, e1808033.	11.1	44
87	Skin Impedance Measurements with Nanomesh Electrodes for Monitoring Skin Hydration. Advanced Healthcare Materials, 2020, 9, e2001322.	3.9	44
88	Ultraflexible organic light-emitting diodes for optogenetic nerve stimulation. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 21138-21146.	3.3	44
89	Biomedical devices go wild. Science Advances, 2018, 4, eaav1889.	4.7	43
90	Emerging Trends in Flexible Active Multielectrode Arrays. Chemistry of Materials, 2019, 31, 6347-6358.	3.2	43

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91	Imperceptible organic electronics. MRS Bulletin, 2017, 42, 124-130.	1.7	42
92	Intelligent and Multifunctional Graphene Nanomesh Electronic Skin with High Comfort. Small, 2022, 18, e2104810.	5.2	42
93	Well-rounded devices: the fabrication of electronics on curved surfaces – a review. Materials Horizons, 2021, 8, 1926-1958.	6.4	39
94	Low operating voltage organic transistors and circuits with anodic titanium oxide and phosphonic acid self-assembled monolayer dielectrics. Organic Electronics, 2017, 40, 58-64.	1.4	36
95	Vacuum Ultraviolet Treatment of Self-Assembled Monolayers: A Tool for Understanding Growth and Tuning Charge Transport in Organic Field-Effect Transistors. Advanced Materials, 2016, 28, 2049-2054.	11.1	35
96	User Customizable Logic Paper (UCLP) With Sea-Of Transmission-Gates (SOTG) of 2-V Organic CMOS and Ink-Jet Printed Interconnects. IEEE Journal of Solid-State Circuits, 2011, 46, 285-292.	3.5	34
97	Durable Ultraflexible Organic Photovoltaics with Novel Metal-Oxide-Free Cathode. Advanced Functional Materials, 2019, 29, 1808378.	7.8	34
98	Low-voltage organic transistor with subfemtoliter inkjet source-drain contacts. MRS Communications, 2011, 1, 3-6.	0.8	32
99	Soft sensors for a sensing-actuation system with high bladder voiding efficiency. Science Advances, 2020, 6, eaba0412.	4.7	32
100	Air-Stable Operation of Organic Field-Effect Transistors on Plastic Films Using Organic/Metallic Hybrid Passivation Layers. Japanese Journal of Applied Physics, 2007, 46, 4300.	0.8	31
101	Ambient Electronics. Japanese Journal of Applied Physics, 2012, 51, 100001.	0.8	31
102	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. BMC Gastroenterology, 2013, 13, 134.	0.8	29
103	Low operation voltage of inkjet-printed plastic sheet-type micromechanical switches. Applied Physics Letters, 2008, 92, .	1.5	27
104	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. IEEE Journal of Solid-State Circuits, 2010, 45, 249-259.	3.5	27
105	Ultraflexible Transparent Oxide/Metal/Oxide Stack Electrode with Low Sheet Resistance for Electrophysiological Measurements. ACS Applied Materials & Interfaces, 2017, 9, 34744-34750.	4.0	27
106	Nanomesh Organic Electrochemical Transistor for Comfortable On-Skin Electrodes with Local Amplifying Function. ACS Applied Electronic Materials, 2020, 2, 3601-3609.	2.0	26
107	A large-area flexible wireless power transmission sheet using printed plastic MEMS switches and organic field-effect transistors. , 2006, , .		25
108	Direct gold bonding for flexible integrated electronics. Science Advances, 2021, 7, eabl6228.	4.7	25

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109	Effects of annealing on electronic and structural characteristics of pentacene thin-film transistors on polyimide gate dielectrics. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	24
110	Ultrathin and Efficient Organic Photovoltaics with Enhanced Air Stability by Suppression of Zinc Element Diffusion. <i>Advanced Science</i> , 2022, 9, e2105288.	5.6	24
111	A Monolithically Processed Rectifying Pixel for High-Resolution Organic Imagers. <i>Advanced Electronic Materials</i> , 2018, 4, 1700601.	2.6	22
112	Developing the Nondevelopable: Creating Curved-Surface Electronics from Nonstretchable Devices. <i>Advanced Materials</i> , 2022, 34, e2106683.	11.1	22
113	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> , 2012, 47, 301-309.	3.5	21
114	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> , 2015, 26, 239-244.	1.4	21
115	Transparency-enhancing technology allows three-dimensional assessment of gastrointestinal mucosa: A porcine model. <i>Pathology International</i> , 2018, 68, 102-108.	0.6	21
116	Foundry-compatible high-resolution patterning of vertically phase-separated semiconducting films for ultraflexible organic electronics. <i>Nature Communications</i> , 2021, 12, 4937.	5.8	19
117	Skin Electronics: Next-Generation Device Platform for Virtual and Augmented Reality (Adv. Funct.) <i>Tj ETQq1 1 0.784314 rgBT /Overl</i>	7.8	19
118	High performance foldable polymer thin film transistors with a side gate architecture. <i>Journal of Materials Chemistry</i> , 2011, 21, 18804.	6.7	18
119	Low-Power Monolithically Stacked Organic Photodiode-Blocking Diode Imager by Turn-On Voltage Engineering. <i>Advanced Electronic Materials</i> , 2018, 4, 1800311.	2.6	18
120	Interconnected Heat-Press-Treated Gold Nanomesh Conductors for Wearable Sensors. <i>ACS Applied Nano Materials</i> , 2020, 3, 1848-1854.	2.4	18
121	Nanograting Structured Ultrathin Substrate for Ultraflexible Organic Photovoltaics. <i>Small Methods</i> , 2020, 4, 1900762.	4.6	18
122	A field-cycle-induced high-dielectric phase in ferroelectric copolymer. <i>Journal of Applied Physics</i> , 2010, 107, 114506.	1.1	17
123	Ultraflexible organic electronics. <i>MRS Bulletin</i> , 2015, 40, 1130-1137.	1.7	17
124	Ultra-flexible short-channel organic field-effect transistors. <i>Applied Physics Express</i> , 2015, 8, 091601.	1.1	17
125	Ambient Electronics. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 100001.	0.8	16
126	Direct writing of anodic oxides for plastic electronics. <i>Npj Flexible Electronics</i> , 2018, 2, .	5.1	16



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127	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> , 2021, 54, 104004.	1.3	16
128	A Mechanically Durable and Flexible Organic Rectifying Diode with a Polyethylenimine Ethoxylated Cathode. <i>Advanced Electronic Materials</i> , 2016, 2, 1600259.	2.6	15
129	Ultraflexible Integrated Organic Electronics for Ultrasensitive Photodetection. <i>Advanced Materials Technologies</i> , 2021, 6, .	3.0	15
130	High-Transconductance Organic Electrochemical Transistor Fabricated on Ultrathin Films Using Spray Coating. <i>Small Structures</i> , 2021, 2, 2000088.	6.9	15
131	An organic transistor matrix for multipoint intracellular action potential recording. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	15
132	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> , 2020, 8, 7304-7308.	2.7	14
133	3D Printed Spring-type Electronics with Liquid Metals for Highly Stretchable Conductors and Inductive Strain/Pressure Sensors. <i>Advanced Materials Technologies</i> , 2022, 7, .	3.0	14
134	Stretchable Structural Color Filters Based on a Metal-Insulator-Metal Structure. <i>Advanced Optical Materials</i> , 2018, 6, 1800851.	3.6	13
135	Plastic complementary microelectromechanical switches. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	12
136	Bionic skins using flexible organic devices. , 2014, , .		12
137	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> , 2017, 7, 81-91.	2.7	12
138	Gas-Permeable Organic Electrochemical Transistor Embedded with a Porous Solid-State Polymer Electrolyte as an on-Skin Active Electrode for Electrophysiological Signal Acquisition. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	12
139	Study of Organic Thin-Film Transistors Under Electrostatic Discharge Stresses. <i>IEEE Electron Device Letters</i> , 2011, 32, 967-969.	2.2	11
140	Solution-Processed Electron-Transport Layer-free Organic Photovoltaics with Liquid Metal Cathodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 14165-14173.	4.0	11
141	Thermal stability of organic transistors with short channel length on ultrathin foils. <i>Organic Electronics</i> , 2015, 26, 279-284.	1.4	10
142	ABO Blood Type and the Long-term Outcomes of Pancreatic Cancer. <i>Internal Medicine</i> , 2020, 59, 761-768.	0.3	10
143	Highly Precise, Continuous, Long-Term Monitoring of Skin Electrical Resistance by Nanomesh Electrodes. <i>Advanced Healthcare Materials</i> , 2022, 11, e21102425.	3.9	10
144	Antimicrobial second skin using copper nanomesh. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	10

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145	Printed Organic Transistors for Large-Area Electronics. , 2007, , .		9
146	Pseudo-CMOS: A novel design style for flexible electronics. , 2010, , .		9
147	Multipoint Tissue Circulation Monitoring with a Flexible Optical Probe. Scientific Reports, 2017, 7, 9643.	1.6	9
148	Measurement of optical reflection and temperature changes after blood occlusion using a wearable device. Scientific Reports, 2020, 10, 11491.	1.6	9
149	Simultaneous measurement of contractile force and field potential of dynamically beating human iPSC-derived cardiac cell sheet-tissue with flexible electronics. Lab on A Chip, 2021, 21, 3899-3909.	3.1	9
150	13.2: A Floating-Gate OTFT-Driven AMOLED Pixel Circuit for Variation and Degradation Compensation in Large-Sized Flexible Displays. Digest of Technical Papers SID International Symposium, 2011, 42, 149-152.	0.1	8
151	11.2: <i>Invited Paper</i>: Imperceptible Electronic Skin. Digest of Technical Papers SID International Symposium, 2014, 45, 122-125.	0.1	8
152	16.4 Energy-autonomous fever alarm armband integrating fully flexible solar cells, piezoelectric speaker, temperature detector, and 12V organic complementary FET circuits. , 2015, , .		8
153	Large-area Electronics Based on Organic Transistors. , 2006, , .		7
154	A large-area, flexible, ultrasonic imaging system with a printed organic transistor active matrix. , 2008, , .		7
155	Printed organic transistors: Toward ambient electronics. , 2009, , .		7
156	Spatial control of the threshold voltage of low-voltage organic transistors by microcontact printing of alkyl- and fluoroalkyl-phosphonic acids. MRS Communications, 2011, 1, 33-36.	0.8	7
157	High Sensitivity Tuning of Work Function of Self-Assembled Monolayers Modified Electrodes Using Vacuum Ultraviolet Treatment. ACS Applied Materials & Interfaces, 2017, 9, 28151-28156.	4.0	7
158	Communication sheets using printed organic nonvolatile memories. , 2007, , .		6
159	Photocurrent Amplification in Bulk Heterojunction Organic Phototransistors with Different Donor-acceptor Ratio. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1700400.	1.2	6
160	Molecular doping of near-infrared organic photodetectors for photoplethysmogram sensors. Journal of Materials Chemistry C, 2021, 9, 3129-3135.	2.7	6
161	Flexible, large-area, and distributed organic electronics closely contacted with skin for healthcare applications. , 2014, , .		5
162	Simple prognostic markers for optimal treatment of patients with unresectable pancreatic cancer. Medicine (United States), 2021, 100, e27591.	0.4	5

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163	Air-stable Ultra-flexible Organic Photonic System for Cardiovascular Monitoring. <i>Advanced Materials Technologies</i> , 2022, 7, .	3.0	5
164	A 107-pj/bit 100-kb/s 0.18- $\mu\text{m}$ Capacitive-Coupling Transceiver With Data Edge Signaling and DC Power-Free Pulse Detector for Printable Communication Sheet. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2009, 56, 2511-2518.	3.5	4
165	Imperceptible Electronic Skin. <i>Information Display</i> , 2014, 30, 20-25.	0.1	4
166	Suppressing Dark Current in Organic Phototransistors through Modulating Electron Injection via a Deep Work Function Electrode. <i>ACS Applied Electronic Materials</i> , 2019, 1, 1054-1058.	2.0	4
167	Supercapacitors: An Efficient Ultra-flexible Photo-charging System Integrating Organic Photovoltaics and Supercapacitors ( <i>Adv. Energy Mater.</i> 20/2020). <i>Advanced Energy Materials</i> , 2020, 10, 2070090.	10.2	4
168	Photoactive layer formation in the dark for high performance of air-processable organic photovoltaics. <i>JPhys Materials</i> , 2021, 4, 044016.	1.8	4
169	Spatiotemporal processing in photoplethysmography for skin microcirculatory perfusion imaging. <i>Biomedical Optics Express</i> , 2022, 13, 838.	1.5	4
170	Smart Face Mask Based on an Ultrathin Pressure Sensor for Wireless Monitoring of Breath Conditions ( <i>Adv. Mater.</i> 6/2022). <i>Advanced Materials</i> , 2022, 34, .	11.1	4
171	Electrical Characteristics of Pentacene Thin Film Transistors in Volatile Compound Vapors. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 462, 29-36.	0.4	3
172	Ambient electronics with organic transistors. , 2007, , .		3
173	A flexible EMI measurement sheet to measure electric and magnetic fields separately with distributed antennas and LSI's. , 2009, , .		3
174	Simultaneous characterization of mechanical and electrical performances of ultraflexible and stretchable organic integrated circuits. , 2012, , .		3
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