Tomoyuki Yokota

List of Publications by Year in Descending Order

225 papers	25,528 citations	59 h-index	159 g-index
249 ext. papers	29,388 ext. citations	13.1 avg, IF	7.41 L-index

#	Paper	IF	Citations
225	Highly Precise, Continuous, Long-term Monitoring of Skin Electrical Resistance by Nanomesh Electrodes.. *Advanced Healthcare Materials*, **2022**, e2102425	10.1	2
224	Ultrathin and Efficient Organic Photovoltaics with Enhanced Air Stability by Suppression of Zinc Element Diffusion.. *Advanced Science*, **2022**, e2105288	13.6	5
223	Smart Face Mask Based on an Ultrathin Pressure Sensor for Wireless Monitoring of Breath Conditions (Adv. Mater. 6/2022). *Advanced Materials*, **2022**, 34, 2270048	24	
222	Solution-Processed Electron-Transport Layer-free Organic Photovoltaics with Liquid Metal Cathodes.. *ACS Applied Materials & Interfaces*, **2022**, 14, 14165-14173	9.5	2
221	Developing the Nondevelopable: Creating Curved-Surface Electronics from Nonstretchable Devices (Adv. Mater. 22/2022). *Advanced Materials*, **2022**, 34, 2270164	24	
220	Intelligent and Multifunctional Graphene Nanomesh Electronic Skin with High Comfort. *Small*, **2021** , e2104810	11	14
219	Developing the Nondevelopable: Creating Curved-Surface Electronics from Nonstretchable Devices. *Advanced Materials*, **2021**, e2106683	24	7
218	Simple prognostic markers for optimal treatment of patients with unresectable pancreatic cancer. *Medicine (United States)*, **2021**, 100, e27591	1.8	1
217	Smart Face Mask Based on an Ultrathin Pressure Sensor for Wireless Monitoring of Breath Conditions. *Advanced Materials*, **2021**, e2107758	24	15
216	Organic electronics Axon-Hillock neuromorphic circuit: towards biologically compatible, and physically flexible, integrate-and-fire spiking neural networks. *Journal Physics D: Applied Physics*, **2021**, 54, 104004	3	7
215	Soft robotics. *MRS Bulletin*, **2021**, 46, 320-320	3.2	
214	Continuous measurement of surface electrical potentials from transplanted cardiomyocyte tissue derived from human-induced pluripotent stem cells under physiological conditions in vivo. *Heart and Vessels*, **2021**, 36, 899-909	2.1	
213	Electrospun nanofiber-based soft electronics. *NPG Asia Materials*, **2021**, 13,	10.3	41
212	Self-powered ultraflexible photonic skin for continuous bio-signal detection via air-operation-stable polymer light-emitting diodes. *Nature Communications*, **2021**, 12, 2234	17.4	34
211	70-2: Sheet-type Image Sensor with Near Infrared Sensitive Organic Photodiode. *Digest of Technical Papers SID International Symposium*, **2021**, 52, 1044-1047	0.5	
210	55-2: Invited Paper: Nanomesh Based on Skin Electronics. *Digest of Technical Papers SID International Symposium*, **2021**, 52, 768-771	0.5	
209	6-2: Invited Paper: An Imager with Organic Photodetectors Based on LTPS-TFT Technology. *Digest of Technical Papers SID International Symposium*, **2021**, 52, 45-48	0.5	

208	Ultraflexible Integrated Organic Electronics for Ultrasensitive Photodetection. *Advanced Materials Technologies*, **2021**, 6, 2000956	6.8	7
207	High-Transconductance Organic Electrochemical Transistor Fabricated on Ultrathin Films Using Spray Coating. *Small Structures*, **2021**, 2, 2000088	8.7	9
206	Natural Biopolymer-Based Biocompatible Conductors for Stretchable Bioelectronics. *Chemical Reviews*, **2021**, 121, 2109-2146	68.1	64
205	Molecular doping of near-infrared organic photodetectors for photoplethysmogram sensors. *Journal of Materials Chemistry C*, **2021**, 9, 3129-3135	7.1	2
204	Well-rounded devices: the fabrication of electronics on curved surfaces - a review. *Materials Horizons*, **2021**, 8, 1926-1958	14.4	13
203	Simultaneous measurement of contractile force and field potential of dynamically beating human iPS cell-derived cardiac cell sheet-tissue with flexible electronics. *Lab on A Chip*, **2021**, 21, 3899-3909	7.2	1
202	Recent Progress of Flexible Image Sensors for Biomedical Applications. *Advanced Materials*, **2021**, 33, e2004416	24	41
201	Effect of ionic conduction under dielectric barriers on PEDOT:PSS electrochemical interfaces. *Applied Physics Express*, **2021**, 14, 031003	2.4	
200	Skin Electronics: Next-Generation Device Platform for Virtual and Augmented Reality. *Advanced Functional Materials*, **2021**, 31, 2009602	15.6	42
199	Foundry-compatible high-resolution patterning of vertically phase-separated semiconducting films for ultraflexible organic electronics. *Nature Communications*, **2021**, 12, 4937	17.4	4
198	Skin Electronics: Next-Generation Device Platform for Virtual and Augmented Reality (Adv. Funct. Mater. 39/2021). *Advanced Functional Materials*, **2021**, 31, 2170286	15.6	5
197	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,	11.5	13
196	Photoactive layer formation in the dark for high performance of air-processable organic photovoltaics. *JPhys Materials*, **2021**, 4, 044016	4.2	1
195	Stretchable organic optoelectronic devices: Design of materials, structures, and applications. *Materials Science and Engineering Reports*, **2021**, 146, 100631	30.9	11
194	Direct gold bonding for flexible integrated electronics.. *Science Advances*, **2021**, 7, eabl6228	14.3	5
193	Twin Meander Coil **2021**, 5, 1-21		0
192	Soft sensors for a sensing-actuation system with high bladder voiding efficiency. *Science Advances*, **2020**, 6, eaba0412	14.3	13
191	Flexible short-channel organic transistors and inverter circuits using top-contact and double-gate structure. *Applied Physics Express*, **2020**, 13, 061001	2.4	1

190	Suppressing the negative temperature coefficient effect of resistance in polymer composites with positive temperature coefficients of resistance by coating with parylene. *Journal of Materials Chemistry C*, **2020**, 8, 7304-7308	7.1	6
189	The Future of Flexible Organic Solar Cells. *Advanced Energy Materials*, **2020**, 10, 2000765	21.8	149
188	Supercapacitors: An Efficient Ultra-Flexible Photo-Charging System Integrating Organic Photovoltaics and Supercapacitors (Adv. Energy Mater. 20/2020). *Advanced Energy Materials*, **2020**, 10, 2070090	21.8	2
187	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	11.5	53
186	ABO Blood Type and the Long-term Outcomes of Pancreatic Cancer. *Internal Medicine*, **2020**, 59, 761-768	1.1	3
185	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	11.5	30
184	Interconnected Heat-Press-Treated Gold Nanomesh Conductors for Wearable Sensors. *ACS Applied Nano Materials*, **2020**, 3, 1848-1854	5.6	13
183	Nanograting Structured Ultrathin Substrate for Ultraflexible Organic Photovoltaics. *Small Methods*, **2020**, 4, 1900762	12.8	9
182	A conformable imager for biometric authentication and vital sign measurement. *Nature Electronics*, **2020**, 3, 113-121	28.4	67
181	An Efficient Ultra-Flexible Photo-Charging System Integrating Organic Photovoltaics and Supercapacitors. *Advanced Energy Materials*, **2020**, 10, 2000523	21.8	22
180	Ultraflexible Organic Photovoltaics: Nanograting Structured Ultrathin Substrate for Ultraflexible Organic Photovoltaics (Small Methods 3/2020). *Small Methods*, **2020**, 4, 2070013	12.8	
179	Efficient and Mechanically Robust Ultraflexible Organic Solar Cells Based on Mixed Acceptors. *Joule* , **2020**, 4, 128-141	27.8	58
178	Skin Impedance Measurements with Nanomesh Electrodes for Monitoring Skin Hydration. *Advanced Healthcare Materials*, **2020**, 9, e2001322	10.1	15
177	Measurement of optical reflection and temperature changes after blood occlusion using a wearable device. *Scientific Reports*, **2020**, 10, 11491	4.9	4
176	Nanomesh pressure sensor for monitoring finger manipulation without sensory interference. *Science*, **2020**, 370, 966-970	33.3	145
175	A durable nanomesh on-skin strain gauge for natural skin motion monitoring with minimum mechanical constraints. *Science Advances*, **2020**, 6, eabb7043	14.3	61
174	Nanomesh Organic Electrochemical Transistor for Comfortable On-Skin Electrodes with Local Amplifying Function. *ACS Applied Electronic Materials*, **2020**, 2, 3601-3609	4	12
173	Robust metal ion-chelated polymer interfacial layer for ultraflexible non-fullerene organic solar cells. *Nature Communications*, **2020**, 11, 4508	17.4	73

172	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	11.5	20
171	Organic Photodetectors for Next-Generation Wearable Electronics. *Advanced Materials*, **2020**, 32, e1902045	24	214
170	Ultrathin Organic Electrochemical Transistor with Nonvolatile and Thin Gel Electrolyte for Long-Term Electrophysiological Monitoring. *Advanced Functional Materials*, **2019**, 29, 1906982	15.6	44
169	Highly Durable Nanofiber-Reinforced Elastic Conductors for Skin-Tight Electronic Textiles. *ACS Nano*, **2019**, 13, 7905-7912	16.7	64
168	Suppressing Dark Current in Organic Phototransistors through Modulating Electron Injection via a Deep Work Function Electrode. *ACS Applied Electronic Materials*, **2019**, 1, 1054-1058	4	2
167	Materials and structural designs of stretchable conductors. *Chemical Society Reviews*, **2019**, 48, 2946-2968	38.5	189
166	Emerging Trends in Flexible Active Multielectrode Arrays. *Chemistry of Materials*, **2019**, 31, 6347-6358	9.6	28
165	High Operation Stability of Ultraflexible Organic Solar Cells with Ultraviolet-Filtering Substrates. *Advanced Materials*, **2019**, 31, e1808033	24	28
164	Toward a new generation of smart skins. *Nature Biotechnology*, **2019**, 37, 382-388	44.5	182
163	Organic Photovoltaics: Toward Self-Powered Wearable Electronics. *Proceedings of the IEEE*, **2019**, 107, 2137-2154	14.3	32
162	Highly Stretchable Metallic Nanowire Networks Reinforced by the Underlying Randomly Distributed Elastic Polymer Nanofibers via Interfacial Adhesion Improvement. *Advanced Materials*, **2019**, 31, e1903446	24	56
161	Flexible Electronics: Highly Stretchable Metallic Nanowire Networks Reinforced by the Underlying Randomly Distributed Elastic Polymer Nanofibers via Interfacial Adhesion Improvement (Adv. Mater. 37/2019). *Advanced Materials*, **2019**, 31, 1970265	24	3
160	A Highly Responsive Organic Image Sensor Based on a Two-Terminal Organic Photodetector with Photomultiplication. *Advanced Materials*, **2019**, 31, e1903687	24	63
159	Durable Ultraflexible Organic Photovoltaics with Novel Metal-Oxide-Free Cathode. *Advanced Functional Materials*, **2019**, 29, 1808378	15.6	21
158	Ultrasoft electronics to monitor dynamically pulsing cardiomyocytes. *Nature Nanotechnology*, **2019**, 14, 156-160	28.7	115
157	Thermally stable, highly efficient, ultraflexible organic photovoltaics. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 4589-4594	11.5	80
156	Photocurrent Amplification in Bulk Heterojunction Organic Phototransistors with Different Donor–Acceptor Ratio. *Physica Status Solidi - Rapid Research Letters*, **2018**, 12, 1700400	2.5	3
155	A Monolithically Processed Rectifying Pixel for High-Resolution Organic Imagers. *Advanced Electronic Materials*, **2018**, 4, 1700601	6.4	15

154	Transport characteristics in Au/pentacene/Au diodes. *Japanese Journal of Applied Physics*, **2018**, 57, 03EH07	1.4	1
153	Transparency-enhancing technology allows three-dimensional assessment of gastrointestinal mucosa: A porcine model. *Pathology International*, **2018**, 68, 102-108	1.8	14
152	A few-layer molecular film on polymer substrates to enhance the performance of organic devices. *Nature Nanotechnology*, **2018**, 13, 139-144	28.7	64
151	A Highly Sensitive Capacitive-type Strain Sensor Using Wrinkled Ultrathin Gold Films. *Nano Letters*, **2018**, 18, 5610-5617	11.5	138
150	Low-Power Monolithically Stacked Organic Photodiode-Blocking Diode Imager by Turn-On Voltage Engineering. *Advanced Electronic Materials*, **2018**, 4, 1800311	6.4	12
149	Self-Adhesive and Ultra-Conformable, Sub-300 nm Dry Thin-Film Electrodes for Surface Monitoring of Biopotentials. *Advanced Functional Materials*, **2018**, 28, 1803279	15.6	81
148	Ultraflexible Near-Infrared Organic Photodetectors for Conformal Photoplethysmogram Sensors. *Advanced Materials*, **2018**, 30, e1802359	24	111
147	Reverse-Offset Printed Ultrathin Ag Mesh for Robust Conformal Transparent Electrodes for High-Performance Organic Photovoltaics. *Advanced Materials*, **2018**, 30, e1707526	24	48
146	Simple action potential measurement of cardiac cell sheet utilizing electronic sheet. *Artificial Life and Robotics*, **2018**, 23, 321-327	0.6	2
145	Sensors: A Monolithically Processed Rectifying Pixel for High-Resolution Organic Imagers (Adv. Electron. Mater. 6/2018). *Advanced Electronic Materials*, **2018**, 4, 1870029	6.4	
144	Stretchable Structural Color Filters Based on a Metal–Insulator–Metal Structure. *Advanced Optical Materials*, **2018**, 6, 1800851	8.1	9
143	Self-powered ultra-flexible electronics via nano-grating-patterned organic photovoltaics. *Nature*, **2018**, 561, 516-521	50.4	468
142	Dual-gate organic phototransistor with high-gain and linear photoresponse. *Nature Communications*, **2018**, 9, 4546	17.4	44
141	Nonthrombogenic, stretchable, active multielectrode array for electroanatomical mapping. *Science Advances*, **2018**, 4, eaau2426	14.3	89
140	Direct writing of anodic oxides for plastic electronics. *Npj Flexible Electronics*, **2018**, 2,	10.7	12
139	Transparent Electrodes: Reverse-Offset Printed Ultrathin Ag Mesh for Robust Conformal Transparent Electrodes for High-Performance Organic Photovoltaics (Adv. Mater. 26/2018). *Advanced Materials*, **2018**, 30, 1870190	24	2
138	Threshold voltage control for organic thin-film transistors using a tri-gate structure with capacitive coupling. *Japanese Journal of Applied Physics*, **2017**, 56, 04CL01	1.4	1
137	Antithrombotic Protein Filter Composed of Hybrid Tissue-Fabric Material has a Long Lifetime. *Annals of Biomedical Engineering*, **2017**, 45, 1352-1364	4.7	2

136	Imperceptible organic electronics. *MRS Bulletin*, **2017**, 42, 124-130	3.2	38
135	Printable elastic conductors by in situ formation of silver nanoparticles from silver flakes. *Nature Materials*, **2017**, 16, 834-840	27	416
134	Enhancing the Performance of Stretchable Conductors for E-Textiles by Controlled Ink Permeation. *Advanced Materials*, **2017**, 29, 1605848	24	170
133	Programmable Neuron Array Based on a 2-Transistor Multiplier Using Organic Floating-Gate for Intelligent Sensors. *IEEE Journal on Emerging and Selected Topics in Circuits and Systems*, **2017**, 7, 81-91	5.2	7
132	Spatial resolution and maximum compensation factor of two-dimensional selective excitation pulses for MRI of objects containing conductive implants. *AIP Advances*, **2017**, 7, 056726	1.5	
131	Stretchable and waterproof elastomer-coated organic photovoltaics for washable electronic textile applications. *Nature Energy*, **2017**, 2, 780-785	62.3	270
130	Transparent, conformable, active multielectrode array using organic electrochemical transistors. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 10554-10559	11.5	133
129	Ultraflexible Transparent Oxide/Metal/Oxide Stack Electrode with Low Sheet Resistance for Electrophysiological Measurements. *ACS Applied Materials & Interfaces*, **2017**, 9, 34744-34750	9.5	21
128	Multipoint Tissue Circulation Monitoring with a Flexible Optical Probe. *Scientific Reports*, **2017**, 7, 9643	4.9	6
127	Inflammation-free, gas-permeable, lightweight, stretchable on-skin electronics with nanomeshes. *Nature Nanotechnology*, **2017**, 12, 907-913	28.7	555
126	Printing Technology: Recent Progress in the Development of Printed Thin-Film Transistors and Circuits with High-Resolution Printing Technology (Adv. Mater. 25/2017). *Advanced Materials*, **2017**, 29,	24	2
125	High Sensitivity Tuning of Work Function of Self-Assembled Monolayers Modified Electrodes Using Vacuum Ultraviolet Treatment. *ACS Applied Materials & Interfaces*, **2017**, 9, 28151-28156	9.5	3
124	Low operating voltage organic transistors and circuits with anodic titanium oxide and phosphonic acid self-assembled monolayer dielectrics. *Organic Electronics*, **2017**, 40, 58-64	3.5	31
123	Single laser to multiple optical fiber device for optogenetics-based epidural spinal cord stimulation **2017**,		2
122	Integration of Organic Electrochemical and Field-Effect Transistors for Ultraflexible, High Temporal Resolution Electrophysiology Arrays. *Advanced Materials*, **2016**, 28, 9722-9728	24	101
121	Field-Effect Transistors: Integration of Organic Electrochemical and Field-Effect Transistors for Ultraflexible, High Temporal Resolution Electrophysiology Arrays (Adv. Mater. 44/2016). *Advanced Materials*, **2016**, 28, 9869-9869	24	2
120	Ultraflexible organic photonic skin. *Science Advances*, **2016**, 2, e1501856	14.3	612
119	Ultraflexible organic amplifier with biocompatible gel electrodes. *Nature Communications*, **2016**, 7, 11425	17.4	139

118	Bioinspired design of a polymer gel sensor for the realization of extracellular Ca(2+) imaging. *Scientific Reports*, **2016**, 6, 24275	4.9	45
117	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, 2049-54	24	29
116	High-Frequency, Conformable Organic Amplifiers. *Advanced Materials*, **2016**, 28, 3298-304	24	46
115	300-nm Imperceptible, Ultraflexible, and Biocompatible e-Skin Fit with Tactile Sensors and Organic Transistors. *Advanced Electronic Materials*, **2016**, 2, 1500452	6.4	100
114	A transparent bending-insensitive pressure sensor. *Nature Nanotechnology*, **2016**, 11, 472-8	28.7	549
113	47-1: Invited Paper: Sensor and Circuit Solutions for Organic Flexible. *Digest of Technical Papers SID International Symposium*, **2016**, 47, 629-632	0.5	
112	The rise of plastic bioelectronics. *Nature*, **2016**, 540, 379-385	50.4	925
111	Enhancement of Closed-Loop Gain of Organic Amplifiers Using Double-Gate Structures. *IEEE Electron Device Letters*, **2016**, 1-1	4.4	1
110	A Mechanically Durable and Flexible Organic Rectifying Diode with a Polyethylenimine Ethoxylated Cathode. *Advanced Electronic Materials*, **2016**, 2, 1600259	6.4	13
109	ENGINEERING APPLICATIONS OF OFETs IN FLEXIBLE AND STRETCHABLE ELECTRONICS. *Materials and Energy*, **2016**, 85-114		
108	High-resolution spatial control of the threshold voltage of organic transistors by microcontact printing of alkyl and fluoroalkylphosphonic acid self-assembled monolayers. *Organic Electronics*, **2015**, 26, 239-244	3.5	17
107	Printable elastic conductors with a high conductivity for electronic textile applications. *Nature Communications*, **2015**, 6, 7461	17.4	540
106	Study of Randomly Distributed Charge Traps by Measuring Frequency- and Time-Dependence of a DNTT-Based MIS Capacitor. *Journal of Display Technology*, **2015**, 11, 604-609		
105	Thermal stability of organic transistors with short channel length on ultrathin foils. *Organic Electronics*, **2015**, 26, 279-284	3.5	6
104	Ultra-flexible short-channel organic field-effect transistors. *Applied Physics Express*, **2015**, 8, 091601	2.4	14
103	Ultraflexible, large-area, physiological temperature sensors for multipoint measurements. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 14533-8	11.5	247
102	An imperceptible plastic electronic wrap. *Advanced Materials*, **2015**, 27, 34-40	24	131
101	Ultraflexible organic electronics. *MRS Bulletin*, **2015**, 40, 1130-1137	3.2	14

100	16.4 Energy-autonomous fever alarm armband integrating fully flexible solar cells, piezoelectric speaker, temperature detector, and 12V organic complementary FET circuits **2015**,		7
99	An MRI-readable wireless flexible pressure sensor. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2015**, 2015, 3173-6	0.9	0
98	Imperceptible magnetoelectronics. *Nature Communications*, **2015**, 6, 6080	17.4	148
97	Large-Area, Printed Organic Circuits for Ambient Electronics **2015**, 365-380		2
96	Mechanically adaptive organic transistors for implantable electronics. *Advanced Materials*, **2014**, 26, 4967-73	17.4	144
95	Bionic skins using flexible organic devices **2014**,		4
94	Imperceptible Electronic Skin. *Information Display*, **2014**, 30, 20-25	0.8	4
93	Flexible, large-area, and distributed organic electronics closely contacted with skin for healthcare applications **2014**,		3
92	11.2: Invited Paper: Imperceptible Electronic Skin. *Digest of Technical Papers SID International Symposium*, **2014**, 45, 122-125	0.5	7
91	Basic characteristics of implantable flexible pressure sensor for wireless readout using MRI. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2014**, 2014, 2338-41	0.9	1
90	A strain-absorbing design for tissue-machine interfaces using a tunable adhesive gel. *Nature Communications*, **2014**, 5, 5898	17.4	106
89	Ultrathin, short channel, thermally-stable organic transistors for neural interface systems **2014**,		2
88	1 μm-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, 824-33	5.1	47
87	Insole Pedometer With Piezoelectric Energy Harvester and 2 V Organic Circuits. *IEEE Journal of Solid-State Circuits*, **2013**, 48, 255-264	5.5	57
86	Flexible low-voltage organic transistors with high thermal stability at 250 °C. *Advanced Materials*, **2013**, 25, 3639-44	24	84
85	An ultra-lightweight design for imperceptible plastic electronics. *Nature*, **2013**, 499, 458-63	50.4	1781
84	Ultrathin, highly flexible and stretchable PLEDs. *Nature Photonics*, **2013**, 7, 811-816	33.9	706
83	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	3	22

82	Ultraflexible organic devices for biomedical applications **2013**,		2
81	Breakthroughs in Photonics 2012: Large-Area Ultrathin Photonics. *IEEE Photonics Journal*, **2013**, 5, 0700805-0700805		
80	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. *IEEE Journal of Solid-State Circuits*, **2012**, 47, 301-309	5.5	18
79	Stretchable organic integrated circuits for large-area electronic skin surfaces. *MRS Bulletin*, **2012**, 37, 236-245	3.2	110
78	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	2.9	83
77	Simultaneous characterization of mechanical and electrical performances of ultraflexible and stretchable organic integrated circuits **2012**,		1
76	Organic transistors with high thermal stability for medical applications. *Nature Communications*, **2012**, 3, 723	17.4	237
75	32.3: Invited Paper: Large-Area, Ultraflexible Organic AMLED Pixel Circuits Driven by Printed Organic Floating-Gate Transistors. *Digest of Technical Papers SID International Symposium*, **2012**, 43, 426-429	0.5	1
74	Elastomer-Based Pressure and Strain Sensors **2012**, 325-353		3
73	Theory for Stretchable Interconnects **2012**, 1-29		1
72	Mechanics of Twistable Electronics **2012**, 31-39		
71	Graphene for Stretchable Electronics **2012**, 41-80		2
70	Stretchable Thin-Film Electronics **2012**, 81-109		3
69	Stretchable Piezoelectric Nanoribbons for Biocompatible Energy Harvesting **2012**, 111-139		8
68	Modeling of Printed Circuit Board Inspired Stretchable Electronic Systems **2012**, 141-159		1
67	Materials for Stretchable Electronics Compliant with Printed Circuit Board Fabrication **2012**, 161-185		
66	Technologies and Processes Used in Printed Circuit Board Fabrication for the Realization of Stretchable Electronics **2012**, 187-205		
65	Reliability and Application Scenarios of Stretchable Electronics Realized Using Printed Circuit Board Technologies **2012**, 207-233		1

64	Stretchable Electronic and Optoelectronic Devices Using Single-Crystal Inorganic Semiconductor Materials **2012**, 235-269		1
63	Stretchable Organic Transistors **2012**, 271-285		2
62	Power Supply, Generation, and Storage in Stretchable Electronics **2012**, 287-303		4
61	Soft Actuators **2012**, 305-324		4
60	Conformable Active Devices **2012**, 355-378		3
59	Stretchable Neural Interfaces **2012**, 379-399		2
58	Bio-Based Materials as Templates for Electronic Devices **2012**, 401-429		1
57	Organic Integrated Circuits for EMI Measurement **2012**, 431-448		
56	Picoliter and Subfemtoliter Ink-Jet Technologies for Organic Transistors **2012**, 255-280		
55	Flexible low-voltage organic thin-film transistors and circuits based on C10-DNTT. *Journal of Materials Chemistry*, **2012**, 22, 4273-4277		92
54	Ultrathin and lightweight organic solar cells with high flexibility. *Nature Communications*, **2012**, 3, 770	17.4	1234
53	Ambient Electronics. *Japanese Journal of Applied Physics*, **2012**, 51, 100001	1.4	14
52	Stretchable Electronics. *Nippon Gomu Kyokaishi*, **2012**, 85, 101-106	0	1
51	Ambient Electronics. *Japanese Journal of Applied Physics*, **2012**, 51, 100001	1.4	31
50	Organic Pseudo-CMOS Circuits for Low-Voltage Large-Gain High-Speed Operation. *IEEE Electron Device Letters*, **2011**, 32, 1448-1450	4.4	48
49	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	5.5	26
48	High performance foldable polymer thin film transistors with a side gate architecture. *Journal of Materials Chemistry*, **2011**, 21, 18804		15
47	22.1: Invited Paper: Stretchable and Foldable Displays using Organic Transistors with High Mechanical Stability. *Digest of Technical Papers SID International Symposium*, **2011**, 42, 276-279	0.5	1

46	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	0.5	8
45	Pseudo-CMOS: A Design Style for Low-Cost and Robust Flexible Electronics. *IEEE Transactions on Electron Devices*, **2011**, 58, 141-150	2.9	162
44	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	15.6	109
43	Study of Organic Thin-Film Transistors Under Electrostatic Discharge Stresses. *IEEE Electron Device Letters*, **2011**, 32, 967-969	4.4	9
42	Control of threshold voltage in low-voltage organic complementary inverter circuits with floating gate structures. *Applied Physics Letters*, **2011**, 98, 193302	3.4	49
41	Low-voltage organic transistor with subfemtoliter inkjet source-drain contacts. *MRS Communications*, **2011**, 1, 3-6	2.7	29
40	Spatial control of the threshold voltage of low-voltage organic transistors by microcontact printing of alkyl- and f luoroalkyl-phosphonic acids. *MRS Communications*, **2011**, 1, 33-36	2.7	7
39	Sheet-type organic active matrix amplifier system using Vth-tunable, pseudo-CMOS circuits with floating-gate structure **2011**,		1
38	Flexible organic transistors and circuits with extreme bending stability. *Nature Materials*, **2010**, 9, 1015-22	27	1012
37	Pseudo-CMOS: A novel design style for flexible electronics **2010**,		7
36	Thermal stability of organic thin-film transistors with self-assembled monolayer dielectrics. *Applied Physics Letters*, **2010**, 96, 053302	3.4	45
35	A field-cycle-induced high-dielectric phase in ferroelectric copolymer. *Journal of Applied Physics*, **2010**, 107, 114506	2.5	17
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