Yasunori Takeda

List of Publications by Citations

55 papers	1,727 citations	22 h-index	41 g-index
68 ext. papers	2,100 ext. citations	5.4 avg, IF	4.99 L-index

#	Paper	IF	Citations
55	Fully-printed high-performance organic thin-film transistors and circuitry on one-micron-thick polymer films. *Nature Communications*, **2014**, 5, 4147	17.4	292
54	Fully solution-processed flexible organic thin film transistor arrays with high mobility and exceptional uniformity. *Scientific Reports*, **2014**, 4, 3947	4.9	153
53	Three-dimensional monolithic integration in flexible printed organic transistors. *Nature Communications*, **2019**, 10, 54	17.4	122
52	Fabrication of Ultra-Thin Printed Organic TFT CMOS Logic Circuits Optimized for Low-Voltage Wearable Sensor Applications. *Scientific Reports*, **2016**, 6, 25714	4.9	105
51	Flexible and printed organic transistors: From materials to integrated circuits. *Organic Electronics*, **2019**, 75, 105432	3.5	89
50	Three-Dimensional, Inkjet-Printed Organic Transistors and Integrated Circuits with 100% Yield, High Uniformity, and Long-Term Stability. *ACS Nano*, **2016**, 10, 10324-10330	16.7	88
49	Fully Printed PEDOT:PSS-based Temperature Sensor with High Humidity Stability for Wireless Healthcare Monitoring. *Scientific Reports*, **2020**, 10, 2467	4.9	73
48	Fully Printed Wearable Vital Sensor for Human Pulse Rate Monitoring using Ferroelectric Polymer. *Scientific Reports*, **2018**, 8, 4442	4.9	68
47	Printed Organic Inverter Circuits with Ultralow Operating Voltages. *Advanced Electronic Materials*, **2017**, 3, 1600557	6.4	54
46	Reverse-Offset Printing Optimized for Scalable Organic Thin-Film Transistors with Submicrometer Channel Lengths. *Advanced Electronic Materials*, **2015**, 1, 1500145	6.4	53
45	Strain sensitivity and durability in p-type and n-type organic thin-film transistors with printed silver electrodes. *Scientific Reports*, **2013**, 3, 2048	4.9	46
44	Integrated circuits using fully solution-processed organic TFT devices with printed silver electrodes. *Organic Electronics*, **2013**, 14, 3362-3370	3.5	43
43	Organic Complementary Inverter Circuits Fabricated with Reverse Offset Printing. *Advanced Electronic Materials*, **2018**, 4, 1700313	6.4	40
42	Printed 2 V-operating organic inverter arrays employing a small-molecule/polymer blend. *Scientific Reports*, **2016**, 6, 34723	4.9	37
41	Organic integrated circuits using room-temperature sintered silver nanoparticles as printed electrodes. *Organic Electronics*, **2012**, 13, 3296-3301	3.5	37
40	A Printed Organic Amplification System for Wearable Potentiometric Electrochemical Sensors. *Scientific Reports*, **2018**, 8, 3922	4.9	35
39	A Printed Organic Circuit System for Wearable Amperometric Electrochemical Sensors. *Scientific Reports*, **2018**, 8, 6368	4.9	32

38	High-speed operation in printed organic inverter circuits with short channel length. *Organic Electronics*, **2014**, 15, 2696-2701	3.5	29
37	Naphthalimide end capped anthraquinone based solution-processable n-channel organic semiconductors: effect of alkyl chain engineering on charge transport. *Journal of Materials Chemistry C*, **2018**, 6, 3774-3786	7.1	24
36	Vertically Stacked Complementary Organic Field-Effect Transistors and Logic Circuits Fabricated by Inkjet Printing. *Advanced Electronic Materials*, **2016**, 2, 1600046	6.4	24
35	Low Bandgap Bistetracene-Based Organic Semiconductors Exhibiting Air Stability, High Aromaticity and Mobility. *Chemistry - A European Journal*, **2017**, 23, 5076-5080	4.8	22
34	Low Operating Voltage and Highly Pressure-Sensitive Printed Sensor for Healthcare Monitoring with Analogic Amplifier Circuit. *ACS Applied Electronic Materials*, **2019**, 1, 246-252	4	22
33	Printed 5-V organic operational amplifiers for various signal processing. *Scientific Reports*, **2018**, 8, 8980	4.9	20
32	Flexible organic thin-film transistor immunosensor printed on a one-micron-thick film. *Communications Materials*, **2021**, 2,	6	17
31	Ferroelectric polymer-based fully printed flexible strain rate sensors and their application for human motion capture. *Sensors and Actuators A: Physical*, **2019**, 295, 93-98	3.9	16
30	Control of threshold voltage in organic thin-film transistors by modifying gate electrode surface with MoOX aqueous solution and inverter circuit applications. *Applied Physics Letters*, **2015**, 106, 053301	3.4	16
29	Printed Strain Sensor with High Sensitivity and Wide Working Range Using a Novel Brittle-Stretchable Conductive Network. *ACS Applied Materials & Interfaces*, **2020**, 12, 35282-35290	9.5	16
28	Compact Organic Complementary D-Type Flip-Flop Circuits Fabricated with Inkjet Printing. *Advanced Electronic Materials*, **2017**, 3, 1700208	6.4	16
27	Flip-flop logic circuit based on fully solution-processed organic thin film transistor devices with reduced variations in electrical performance. *Japanese Journal of Applied Physics*, **2015**, 54, 04DK03	1.4	14
26	Flexible PMOS Inverter and NOR Gate Using Inkjet-Printed Dual-Gate Organic Thin Film Transistors. *IEEE Electron Device Letters*, **2020**, 41, 409-412	4.4	12
25	Flexible inkjet-printed dual-gate organic thin film transistors and PMOS inverters: Noise margin control by top gate. *Organic Electronics*, **2020**, 85, 105847	3.5	11
24	Printed Organic Complementary Inverter with Single SAM Process Using a p-type D-A Polymer Semiconductor. *Applied Sciences (Switzerland)*, **2018**, 8, 1331	2.6	10
23	Microporous Induced Fully Printed Pressure Sensor for Wearable Soft Robotics Machine Interfaces. *Advanced Intelligent Systems*, **2020**, 2, 2000179	6	9
22	Morphological Behavior of Printed Silver Electrodes with Protective Self-Assembled Monolayers for Electrochemical Migration. *ACS Applied Materials & Interfaces*, **2018**, 10, 16210-16215	9.5	9
21	Toward Fully Printed Memristive Elements: a-TiO2 Electronic Synapse from Functionalized Nanoparticle Ink. *ACS Applied Electronic Materials*, **2019**, 1, 2692-2700	4	8

20	Patterning Method for Silver Nanoparticle Electrodes in Fully Solution-Processed Organic Thin-Film Transistors Using Selectively Treated Hydrophilic and Hydrophobic Surfaces. *Japanese Journal of Applied Physics*, **2013**, 52, 05DB05	1.4	7
19	Charge Carrier Distribution in Low-Voltage Dual-Gate Organic Thin-Film Transistors. *Applied Sciences (Switzerland)*, **2018**, 8, 1341	2.6	6
18	Fine patterning method for silver nanoparticle electrodes using differential hydrophobic and hydrophilic surface properties. *Japanese Journal of Applied Physics*, **2014**, 53, 04EK01	1.4	6
17	Artificial Cutaneous Sensing of Object Slippage using Soft Robotics with Closed-Loop Feedback Process. *Small Science*, **2021**, 1, 2100002		6
16	High-Speed Complementary Integrated Circuit with a Stacked Structure Using Fine Electrodes Formed by Reverse Offset Printing. *ACS Applied Electronic Materials*, **2020**, 2, 763-768	4	5
15	Electrode and dielectric layer interface device engineering study using furan flanked diketopyrrolopyrrole-dithienothiophene polymer based organic transistors. *Scientific Reports*, **2020**, 10, 19989	4.9	5
14	Printed low-voltage-operating organic thin-film transistors using high-k and paraelectric polymers. *Japanese Journal of Applied Physics*, **2019**, 58, 080906	1.4	3
13	Printed, All-Carbon-Based Flexible Humidity Sensor Using a Cellulose Nanofiber/Graphene Nanoplatelet Composite. *Carbon Trends*, **2022**, 7, 100166	0	3
12	Flexible and Printed Organic Nonvolatile Memory Transistor with Bilayer Polymer Dielectrics. *Advanced Materials Technologies*, **2021**, 6, 2100141	6.8	3
11	Deep Eutectic Solvent Induced Porous Conductive Composite for Fully Printed Piezoresistive Pressure Sensor. *Advanced Materials Technologies*,2100731	6.8	3
10	Printed Soft Sensor with Passivation Layers for the Detection of Object Slippage by a Robotic Gripper. *Micromachines*, **2020**, 11,	3.3	2
9	Optimization of a Soft Pressure Sensor in terms of the Molecular Weight of the Ferroelectric-Polymer Sensing Layer. *Advanced Functional Materials*,2107434	15.6	2
8	Reduced Threshold Voltages and Enhanced Mobilities in Diketopyrrolopyrrole–Dithienothiophene Polymer-Based Organic Transistor by Interface Engineering. *Physica Status Solidi (A) Applications and Materials Science*, **2020**, 217, 2000097	1.6	2
7	Artificial Cutaneous Sensing of Object Slippage using Soft Robotics with Closed-Loop Feedback Process. *Small Science*, **2021**, 1, 2170007		2
6	Flexible printed temperature sensor with high humidity stability using bilayer passivation. *Flexible and Printed Electronics*, **2021**, 6, 034002	3.1	2
5	Visualizing Quasi-Static Electric Fields with Flexible and Printed Organic Transistors. *Advanced Materials Technologies*,2100723	6.8	1
4	Printed Electronics: Organic Complementary Inverter Circuits Fabricated with Reverse Offset Printing (Adv. Electron. Mater. 1/2018). *Advanced Electronic Materials*, **2018**, 4, 1870008	6.4	
3	Improvement of Chemical Stability in Electrochemical Migration Resistance in Printed Silver Electrodes. *Journal of Japan Institute of Electronics Packaging*, **2020**, 23, 516-520	0.1	

2	Microporous Induced Fully Printed Pressure Sensor for Wearable Soft Robotics Machine Interfaces. *Advanced Intelligent Systems*, **2020**, 2, 2070123	6
1	Single and dual-gate organic field-effect transistors based on diketopyrrolopyrrole-diethienothiophene polymers: performance modulation via dielectric interfaces. *Materials Research Express*, **2021**, 8, 096301	1.7