

# Yasunori Takeda

## List of Publications by Year in Descending Order

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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.

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	Printed, All-Carbon-Based Flexible Humidity Sensor Using a Cellulose Nanofiber/Graphene Nanoplatelet Composite. <i>Carbon Trends</i> , <b>2022</b> , 7, 100166	0	3
54	Artificial Cutaneous Sensing of Object Slippage using Soft Robotics with Closed-Loop Feedback Process. <i>Small Science</i> , <b>2021</b> , 1, 2170007		2
53	Flexible and Printed Organic Nonvolatile Memory Transistor with Bilayer Polymer Dielectrics. <i>Advanced Materials Technologies</i> , <b>2021</b> , 6, 2100141	6.8	3
52	Flexible printed temperature sensor with high humidity stability using bilayer passivation. <i>Flexible and Printed Electronics</i> , <b>2021</b> , 6, 034002	3.1	2
51	Flexible organic thin-film transistor immunosensor printed on a one-micron-thick film. <i>Communications Materials</i> , <b>2021</b> , 2,	6	17
50	Artificial Cutaneous Sensing of Object Slippage using Soft Robotics with Closed-Loop Feedback Process. <i>Small Science</i> , <b>2021</b> , 1, 2100002		6
49	Single and dual-gate organic field-effect transistors based on diketopyrrolopyrrole-diethienothiophene polymers: performance modulation via dielectric interfaces. <i>Materials Research Express</i> , <b>2021</b> , 8, 096301	1.7	
48	Printed Soft Sensor with Passivation Layers for the Detection of Object Slippage by a Robotic Gripper. <i>Micromachines</i> , <b>2020</b> , 11,	3.3	2
47	Microporous Induced Fully Printed Pressure Sensor for Wearable Soft Robotics Machine Interfaces. <i>Advanced Intelligent Systems</i> , <b>2020</b> , 2, 2000179	6	9
46	Flexible inkjet-printed dual-gate organic thin film transistors and PMOS inverters: Noise margin control by top gate. <i>Organic Electronics</i> , <b>2020</b> , 85, 105847	3.5	11
45	Printed Strain Sensor with High Sensitivity and Wide Working Range Using a Novel Brittle-Stretchable Conductive Network. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 35282-35290	9.5	16
44	High-Speed Complementary Integrated Circuit with a Stacked Structure Using Fine Electrodes Formed by Reverse Offset Printing. <i>ACS Applied Electronic Materials</i> , <b>2020</b> , 2, 763-768	4	5
43	Fully Printed PEDOT:PSS-based Temperature Sensor with High Humidity Stability for Wireless Healthcare Monitoring. <i>Scientific Reports</i> , <b>2020</b> , 10, 2467	4.9	73
42	Flexible PMOS Inverter and NOR Gate Using Inkjet-Printed Dual-Gate Organic Thin Film Transistors. <i>IEEE Electron Device Letters</i> , <b>2020</b> , 41, 409-412	4.4	12
41	Improvement of Chemical Stability in Electrochemical Migration Resistance in Printed Silver Electrodes. <i>Journal of Japan Institute of Electronics Packaging</i> , <b>2020</b> , 23, 516-520	0.1	
40	Microporous Induced Fully Printed Pressure Sensor for Wearable Soft Robotics Machine Interfaces. <i>Advanced Intelligent Systems</i> , <b>2020</b> , 2, 2070123	6	
39	Reduced Threshold Voltages and Enhanced Mobilities in Diketopyrrolopyrrole-Dithienothiophene Polymer-Based Organic Transistor by Interface Engineering. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2020</b> , 217, 2000097	1.6	2

38	Electrode and dielectric layer interface device engineering study using furan flanked diketopyrrolopyrrole-dithienothiophene polymer based organic transistors. <i>Scientific Reports</i> , <b>2020</b> , 10, 19989	4.9	5
37	Flexible and printed organic transistors: From materials to integrated circuits. <i>Organic Electronics</i> , <b>2019</b> , 75, 105432	3.5	89
36	Ferroelectric polymer-based fully printed flexible strain rate sensors and their application for human motion capture. <i>Sensors and Actuators A: Physical</i> , <b>2019</b> , 295, 93-98	3.9	16
35	Low Operating Voltage and Highly Pressure-Sensitive Printed Sensor for Healthcare Monitoring with Analogic Amplifier Circuit. <i>ACS Applied Electronic Materials</i> , <b>2019</b> , 1, 246-252	4	22
34	Printed low-voltage-operating organic thin-film transistors using high-k and paraelectric polymers. <i>Japanese Journal of Applied Physics</i> , <b>2019</b> , 58, 080906	1.4	3
33	Toward Fully Printed Memristive Elements: a-TiO <sub>2</sub> Electronic Synapse from Functionalized Nanoparticle Ink. <i>ACS Applied Electronic Materials</i> , <b>2019</b> , 1, 2692-2700	4	8
32	Three-dimensional monolithic integration in flexible printed organic transistors. <i>Nature Communications</i> , <b>2019</b> , 10, 54	17.4	122
31	A Printed Organic Amplification System for Wearable Potentiometric Electrochemical Sensors. <i>Scientific Reports</i> , <b>2018</b> , 8, 3922	4.9	35
30	A Printed Organic Circuit System for Wearable Amperometric Electrochemical Sensors. <i>Scientific Reports</i> , <b>2018</b> , 8, 6368	4.9	32
29	Morphological Behavior of Printed Silver Electrodes with Protective Self-Assembled Monolayers for Electrochemical Migration. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 16210-16215	9.5	9
28	Naphthalimide end capped anthraquinone based solution-processable n-channel organic semiconductors: effect of alkyl chain engineering on charge transport. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 3774-3786	7.1	24
27	Printed Electronics: Organic Complementary Inverter Circuits Fabricated with Reverse Offset Printing (Adv. Electron. Mater. 1/2018). <i>Advanced Electronic Materials</i> , <b>2018</b> , 4, 1870008	6.4	
26	Fully Printed Wearable Vital Sensor for Human Pulse Rate Monitoring using Ferroelectric Polymer. <i>Scientific Reports</i> , <b>2018</b> , 8, 4442	4.9	68
25	Charge Carrier Distribution in Low-Voltage Dual-Gate Organic Thin-Film Transistors. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 1341	2.6	6
24	Printed 5-V organic operational amplifiers for various signal processing. <i>Scientific Reports</i> , <b>2018</b> , 8, 8980	4.9	20
23	Organic Complementary Inverter Circuits Fabricated with Reverse Offset Printing. <i>Advanced Electronic Materials</i> , <b>2018</b> , 4, 1700313	6.4	40
22	Printed Organic Complementary Inverter with Single SAM Process Using a p-type D-A Polymer Semiconductor. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 1331	2.6	10
21	Low Bandgap Bistetracene-Based Organic Semiconductors Exhibiting Air Stability, High Aromaticity and Mobility. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 5076-5080	4.8	22

20	Printed Organic Inverter Circuits with Ultralow Operating Voltages. <i>Advanced Electronic Materials</i> , <b>2017</b> , 3, 1600557	6.4	54
19	Compact Organic Complementary D-Type Flip-Flop Circuits Fabricated with Inkjet Printing. <i>Advanced Electronic Materials</i> , <b>2017</b> , 3, 1700208	6.4	16
18	Fabrication of Ultra-Thin Printed Organic TFT CMOS Logic Circuits Optimized for Low-Voltage Wearable Sensor Applications. <i>Scientific Reports</i> , <b>2016</b> , 6, 25714	4.9	105
17	Printed 2 V-operating organic inverter arrays employing a small-molecule/polymer blend. <i>Scientific Reports</i> , <b>2016</b> , 6, 34723	4.9	37
16	Three-Dimensional, Inkjet-Printed Organic Transistors and Integrated Circuits with 100% Yield, High Uniformity, and Long-Term Stability. <i>ACS Nano</i> , <b>2016</b> , 10, 10324-10330	16.7	88
15	Vertically Stacked Complementary Organic Field-Effect Transistors and Logic Circuits Fabricated by Inkjet Printing. <i>Advanced Electronic Materials</i> , <b>2016</b> , 2, 1600046	6.4	24
14	Flip-flop logic circuit based on fully solution-processed organic thin film transistor devices with reduced variations in electrical performance. <i>Japanese Journal of Applied Physics</i> , <b>2015</b> , 54, 04DK03	1.4	14
13	Control of threshold voltage in organic thin-film transistors by modifying gate electrode surface with MoOX aqueous solution and inverter circuit applications. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 053301 <sup>3,4</sup>	3.4	16
12	Reverse-Offset Printing Optimized for Scalable Organic Thin-Film Transistors with Submicrometer Channel Lengths. <i>Advanced Electronic Materials</i> , <b>2015</b> , 1, 1500145	6.4	53
11	Fully solution-processed flexible organic thin film transistor arrays with high mobility and exceptional uniformity. <i>Scientific Reports</i> , <b>2014</b> , 4, 3947	4.9	153
10	Fine patterning method for silver nanoparticle electrodes using differential hydrophobic and hydrophilic surface properties. <i>Japanese Journal of Applied Physics</i> , <b>2014</b> , 53, 04EK01	1.4	6
9	Fully-printed high-performance organic thin-film transistors and circuitry on one-micron-thick polymer films. <i>Nature Communications</i> , <b>2014</b> , 5, 4147	17.4	292
8	High-speed operation in printed organic inverter circuits with short channel length. <i>Organic Electronics</i> , <b>2014</b> , 15, 2696-2701	3.5	29
7	Integrated circuits using fully solution-processed organic TFT devices with printed silver electrodes. <i>Organic Electronics</i> , <b>2013</b> , 14, 3362-3370	3.5	43
6	Strain sensitivity and durability in p-type and n-type organic thin-film transistors with printed silver electrodes. <i>Scientific Reports</i> , <b>2013</b> , 3, 2048	4.9	46
5	Patterning Method for Silver Nanoparticle Electrodes in Fully Solution-Processed Organic Thin-Film Transistors Using Selectively Treated Hydrophilic and Hydrophobic Surfaces. <i>Japanese Journal of Applied Physics</i> , <b>2013</b> , 52, 05DB05	1.4	7
4	Organic integrated circuits using room-temperature sintered silver nanoparticles as printed electrodes. <i>Organic Electronics</i> , <b>2012</b> , 13, 3296-3301	3.5	37
3	Optimization of a Soft Pressure Sensor in terms of the Molecular Weight of the Ferroelectric-Polymer Sensing Layer. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 2107434	15.6	2

2	Visualizing Quasi-Static Electric Fields with Flexible and Printed Organic Transistors. <i>Advanced Materials Technologies</i> ,2100723	6.8	1
1	Deep Eutectic Solvent Induced Porous Conductive Composite for Fully Printed Piezoresistive Pressure Sensor. <i>Advanced Materials Technologies</i> ,2100731	6.8	3