

# Yasunori Takeda

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/945773/publications.pdf>

Version: 2024-02-01

64  
papers

2,541  
citations

218677

26  
h-index

189892

50  
g-index

68  
all docs

68  
docs citations

68  
times ranked

2834  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fully-printed high-performance organic thin-film transistors and circuitry on one-micron-thick polymer films. <i>Nature Communications</i> , 2014, 5, 4147.	12.8	337
2	Three-dimensional monolithic integration in flexible printed organic transistors. <i>Nature Communications</i> , 2019, 10, 54.	12.8	201
3	Fully Solution-Processed Flexible Organic Thin Film Transistor Arrays with High Mobility and Exceptional Uniformity. <i>Scientific Reports</i> , 2014, 4, 3947.	3.3	187
4	Flexible and printed organic transistors: From materials to integrated circuits. <i>Organic Electronics</i> , 2019, 75, 105432.	2.6	179
5	Fully Printed PEDOT:PSS-based Temperature Sensor with High Humidity Stability for Wireless Healthcare Monitoring. <i>Scientific Reports</i> , 2020, 10, 2467.	3.3	159
6	Fabrication of Ultra-Thin Printed Organic TFT CMOS Logic Circuits Optimized for Low-Voltage Wearable Sensor Applications. <i>Scientific Reports</i> , 2016, 6, 25714.	3.3	134
7	Three-Dimensional, Inkjet-Printed Organic Transistors and Integrated Circuits with 100% Yield, High Uniformity, and Long-Term Stability. <i>ACS Nano</i> , 2016, 10, 10324-10330.	14.6	112
8	Fully Printed Wearable Vital Sensor for Human Pulse Rate Monitoring using Ferroelectric Polymer. <i>Scientific Reports</i> , 2018, 8, 4442.	3.3	90
9	Reverse-Offset Printing Optimized for Scalable Organic Thin-Film Transistors with Submicrometer Channel Lengths. <i>Advanced Electronic Materials</i> , 2015, 1, 1500145.	5.1	67
10	Printed Organic Inverter Circuits with Ultralow Operating Voltages. <i>Advanced Electronic Materials</i> , 2017, 3, 1600557.	5.1	67
11	A Printed Flexible Humidity Sensor with High Sensitivity and Fast Response Using a Cellulose Nanofiber/Carbon Black Composite. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 5721-5728.	8.0	53
12	A Printed Organic Amplification System for Wearable Potentiometric Electrochemical Sensors. <i>Scientific Reports</i> , 2018, 8, 3922.	3.3	52
13	Organic Complementary Inverter Circuits Fabricated with Reverse Offset Printing. <i>Advanced Electronic Materials</i> , 2018, 4, 1700313.	5.1	52
14	Strain sensitivity and durability in p-type and n-type organic thin-film transistors with printed silver electrodes. <i>Scientific Reports</i> , 2013, 3, 2048.	3.3	50
15	Integrated circuits using fully solution-processed organic TFT devices with printed silver electrodes. <i>Organic Electronics</i> , 2013, 14, 3362-3370.	2.6	47
16	Organic integrated circuits using room-temperature sintered silver nanoparticles as printed electrodes. <i>Organic Electronics</i> , 2012, 13, 3296-3301.	2.6	46
17	A Printed Organic Circuit System for Wearable Amperometric Electrochemical Sensors. <i>Scientific Reports</i> , 2018, 8, 6368.	3.3	43
18	Printed Strain Sensor with High Sensitivity and Wide Working Range Using a Novel Brittle-Stretchable Conductive Network. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 35282-35290.	8.0	43

#	ARTICLE	IF	CITATIONS
19	Flexible organic thin-film transistor immunosensor printed on a one-micron-thick film. <i>Communications Materials</i> , 2021, 2, .	6.9	42
20	Printed 2 V-operating organic inverter arrays employing a small-molecule/polymer blend. <i>Scientific Reports</i> , 2016, 6, 34723.	3.3	41
21	Low Operating Voltage and Highly Pressure-Sensitive Printed Sensor for Healthcare Monitoring with Analogic Amplifier Circuit. <i>ACS Applied Electronic Materials</i> , 2019, 1, 246-252.	4.3	38
22	Vertically Stacked Complementary Organic Field-Effect Transistors and Logic Circuits Fabricated by Inkjet Printing. <i>Advanced Electronic Materials</i> , 2016, 2, 1600046.	5.1	31
23	High-speed operation in printed organic inverter circuits with short channel length. <i>Organic Electronics</i> , 2014, 15, 2696-2701.	2.6	30
24	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> , 2018, 6, 3774-3786.	5.5	30
25	Printed 5-V organic operational amplifiers for various signal processing. <i>Scientific Reports</i> , 2018, 8, 8980.	3.3	29
26	Ferroelectric polymer-based fully printed flexible strain rate sensors and their application for human motion capture. <i>Sensors and Actuators A: Physical</i> , 2019, 295, 93-98.	4.1	29
27	Low Bandgap Bistetracene-Based Organic Semiconductors Exhibiting Air Stability, High Aromaticity and Mobility. <i>Chemistry - A European Journal</i> , 2017, 23, 5076-5080.	3.3	28
28	Microporous Induced Fully Printed Pressure Sensor for Wearable Soft Robotics Machine Interfaces. <i>Advanced Intelligent Systems</i> , 2020, 2, 2000179.	6.1	24
29	Flexible inkjet-printed dual-gate organic thin film transistors and PMOS inverters: Noise margin control by top gate. <i>Organic Electronics</i> , 2020, 85, 105847.	2.6	24
30	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> , 2015, 106, .	3.3	20
31	Printed, all-carbon-based flexible humidity sensor using a cellulose nanofiber/graphene nanoplatelet composite. <i>Carbon Trends</i> , 2022, 7, 100166.	3.0	20
32	Compact Organic Complementary D-Type Flip-Flop Circuits Fabricated with Inkjet Printing. <i>Advanced Electronic Materials</i> , 2017, 3, 1700208.	5.1	19
33	Flexible PMOS Inverter and NOR Gate Using Inkjet-Printed Dual-Gate Organic Thin Film Transistors. <i>IEEE Electron Device Letters</i> , 2020, 41, 409-412.	3.9	19
34	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> , 2015, 54, 04DK03.	1.5	17
35	Printed Organic Complementary Inverter with Single SAM Process Using a p-type D-A Polymer Semiconductor. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1331.	2.5	16
36	Toward Fully Printed Memristive Elements: a-TiO <sub>2</sub> Electronic Synapse from Functionalized Nanoparticle Ink. <i>ACS Applied Electronic Materials</i> , 2019, 1, 2692-2700.	4.3	16

#	ARTICLE	IF	CITATIONS
37	Deep Eutectic Solvent Induced Porous Conductive Composite for Fully Printed Piezoresistive Pressure Sensor. <i>Advanced Materials Technologies</i> , 2021, 6, 2100731.	5.8	15
38	High-Speed Complementary Integrated Circuit with a Stacked Structure Using Fine Electrodes Formed by Reverse Offset Printing. <i>ACS Applied Electronic Materials</i> , 2020, 2, 763-768.	4.3	13
39	Morphological Behavior of Printed Silver Electrodes with Protective Self-Assembled Monolayers for Electrochemical Migration. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 16210-16215.	8.0	12
40	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> , 2013, 52, 05DB05.	1.5	11
41	Charge Carrier Distribution in Low-Voltage Dual-Gate Organic Thin-Film Transistors. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1341.	2.5	11
42	Artificial Cutaneous Sensing of Object Slippage using Soft Robotics with Closed-Loop Feedback Process. <i>Small Science</i> , 2021, 1, 2100002.	9.9	11
43	Optimization of a Soft Pressure Sensor in Terms of the Molecular Weight of the Ferroelectric Polymer Sensing Layer. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	10
44	Electrode and dielectric layer interface device engineering study using furan flanked diketopyrrolopyrrole-dithienothiophene polymer based organic transistors. <i>Scientific Reports</i> , 2020, 10, 19989.	3.3	9
45	Flexible and Printed Organic Nonvolatile Memory Transistor with Bilayer Polymer Dielectrics. <i>Advanced Materials Technologies</i> , 2021, 6, 2100141.	5.8	9
46	Visualizing Quasi-Static Electric Fields with Flexible and Printed Organic Transistors. <i>Advanced Materials Technologies</i> , 2021, 6, 2100723.	5.8	7
47	Fine patterning method for silver nanoparticle electrodes using differential hydrophobic and hydrophilic surface properties. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 04EK01.	1.5	6
48	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> , 2020, 217, 2000097.	1.8	5
49	Flexible printed temperature sensor with high humidity stability using bilayer passivation. <i>Flexible and Printed Electronics</i> , 2021, 6, 034002.	2.7	5
50	Inkjet-Printed Ag/TiO <sub>2</sub> /Ag Neuromorphic Nanodevice Based on Functionalized Ink. <i>Advanced Engineering Materials</i> , 2022, 24, .	3.5	5
51	Printed low-voltage-operating organic thin-film transistors using high-k and paraelectric polymers. <i>Japanese Journal of Applied Physics</i> , 2019, 58, 080906.	1.5	4
52	Printed Soft Sensor with Passivation Layers for the Detection of Object Slippage by a Robotic Gripper. <i>Micromachines</i> , 2020, 11, 927.	2.9	4
53	Artificial Cutaneous Sensing of Object Slippage using Soft Robotics with Closed-Loop Feedback Process. <i>Small Science</i> , 2021, 1, 2170007.	9.9	4
54	Single and dual-gate organic field-effect transistors based on diketopyrrolopyrrole-dithienothiophene polymers: performance modulation via dielectric interfaces. <i>Materials Research Express</i> , 2021, 8, 096301.	1.6	1

#	ARTICLE	IF	CITATIONS
55	Printed Electronics: Organic Complementary Inverter Circuits Fabricated with Reverse Offset Printing (Adv. Electron. Mater. 1/2018). Advanced Electronic Materials, 2018, 4, 1870008.	5.1	0
56	Flip-Flop Circuits using Fully Solution Processed Pseudo-CMOS Circuits. , 2014, , .		0
57	Conjugated 1,8-Naphthalimide Based Solution Processable n-Type Semiconductors for Organic Electronics. , 0, , .		0
58	Organic Complementary Integrated Circuits Fabricated with Reverse Offset Printed Electrodes. ECS Meeting Abstracts, 2018, , .	0.0	0
59	Printed Organic Circuit Systems for Wearable Lactate Sensors. ECS Meeting Abstracts, 2018, , .	0.0	0
60	(Invited) Wearable Printed Pressure Sensors with Ferroelectric Polymer for Healthcare Applications. ECS Meeting Abstracts, 2018, , .	0.0	0
61	Donor/Acceptor Type Polymer Semiconductor Applicable for Organic Thin-Film Transistors without Surface Modification on Printed Silver Electrodes. ECS Meeting Abstracts, 2018, , .	0.0	0
62	Microporous Induced Fully Printed Pressure Sensor for Wearable Soft Robotics Machine Interfaces. Advanced Intelligent Systems, 2020, 2, 2070123.	6.1	0
63	Signal Detection of Object Slippage using Printed Soft Robotic Sensor. Proceedings of the International Display Workshops, 2020, , 878.	0.1	0
64	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	0