

# Manabu Yoshida

## List of Publications by Year in descending order

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98  
papers

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471509

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32  
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98  
docs citations

98  
times ranked

1542  
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of moisture on device characteristics of polythiophene-based field-effect transistors. <i>Journal of Applied Physics</i> , 2004, 95, 5088-5093.	2.5	229
2	Surface Potential Control of an Insulator Layer for the High Performance Organic FET. <i>Synthetic Metals</i> , 2003, 137, 967-968.	3.9	89
3	Threshold voltage stability of organic field-effect transistors for various chemical species in the insulator surface. <i>Applied Physics Letters</i> , 2007, 91, .	3.3	66
4	Investigation for surface modification of polymer as an insulator layer of organic FET. <i>Thin Solid Films</i> , 2003, 438-439, 378-381.	1.8	55
5	Relationship between Contact Pressure and Motion Artifacts in ECG Measurement with Electrostatic Flocked Electrodes Fabricated on Textile. <i>Scientific Reports</i> , 2019, 9, 5897.	3.3	51
6	Flexible Electronic Substrate Film Fabricated Using Natural Clay and Wood Components with Cross-linking Polymer. <i>Advanced Materials</i> , 2017, 29, 1606512.	21.0	48
7	Light up-conversion from near-infrared to blue using a photoresponsive organic light-emitting device. <i>Applied Physics Letters</i> , 2002, 81, 769-771.	3.3	45
8	Influence of fine roughness of insulator surface on threshold voltage stability of organic field-effect transistors. <i>Applied Physics Letters</i> , 2008, 93, .	3.3	44
9	Novel Low-Temperature-Sintering Type Cu-Alloy Pastes for Silicon Solar Cells. <i>Energy Procedia</i> , 2012, 21, 66-74.	1.8	44
10	Soft chromophore featured liquid porphyrins and their utilization toward liquid electret applications. <i>Nature Communications</i> , 2019, 10, 4210.	12.8	32
11	Solder Joint Failure Modes in the Conventional Crystalline Si Module. <i>Energy Procedia</i> , 2014, 55, 464-468.	1.8	31
12	Organic physically unclonable function on flexible substrate operable at 2ÅV for IoT/IoE security applications. <i>Organic Electronics</i> , 2017, 51, 137-141.	2.6	31
13	Development of Field-Effect Transistor-Type Photorewritable Memory Using Photochromic Interface Layer. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 04DK09.	1.5	25
14	Electronic Component Mounting for Durable E-Textiles: Direct Soldering of Components onto Textile-Based Deeply Permeated Conductive Patterns. <i>Micromachines</i> , 2020, 11, 209.	2.9	23
15	Rapid preparation of solution-processed InGaZnO thin films by microwave annealing and photoirradiation. <i>AIP Advances</i> , 2015, 5, .	1.3	22
16	The organic FET with poly(peptide) derivatives and poly(methyl-methacrylate) gate dielectric. <i>Synthetic Metals</i> , 2005, 153, 405-408.	3.9	21
17	Actuation Behavior of Polylactic Acid Fiber Films Prepared by Electrospinning. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 3343-3348.	0.9	18
18	High Performance Organic FET with Double-Semiconductor Layers. <i>Synthetic Metals</i> , 2003, 137, 893-894.	3.9	16

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19	Stretchable conductor from oriented short conductive fibers for wiring soft electronics. <i>Polymer Bulletin</i> , 2016, 73, 2521-2529.	3.3	16
20	Stretchable and durable Parylene/PEDOT:PSS/Parylene multi-layer induced by plastic deformation for stretchable device using functionalized PDMS. <i>AIP Advances</i> , 2020, 10, 025205.	1.3	15
21	Organic molecular and polymeric electrets toward soft electronics. <i>Molecular Systems Design and Engineering</i> , 2022, 7, 537-552.	3.4	15
22	Temporal Changes in Source-Drain Current for Organic Field-Effect Transistors Caused by Dipole on Insulator Surface. <i>Applied Physics Express</i> , 0, 1, 061801.	2.4	14
23	Electrode Effects of Organic Thin-Film Transistor with Top and Bottom Contact Configuration. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 3715-3720.	1.5	13
24	Charge transport properties for carbazolyl groups pendant poly(glutamate). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1999, 37, 61-69.	2.1	12
25	Memory effects of pentacene MFS-FET. <i>Synthetic Metals</i> , 2003, 137, 943-944.	3.9	11
26	Measurement and analysis on failure lifetime of serpentine interconnects for e-textiles under cyclic large deformation. <i>Flexible and Printed Electronics</i> , 2021, 6, 025003.	2.7	11
27	Solution-processed hybrid organic-inorganic complementary thin-film transistor inverter. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 04EL04.	1.5	10
28	Demonstration of dielectric measurement using a probe-backside reflection method up to 300 GHz. <i>Japanese Journal of Applied Physics</i> , 2019, 58, S11E02.	1.5	10
29	Charge transport properties of triphenylamine-pendant polypeptide. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2000, 38, 362-368.	2.1	9
30	Photoresponsive organic electroluminescent devices. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2003, 158, 215-218.	3.9	9
31	Electrospun poly(methyl methacrylate) fibrous mat showing piezoelectric properties. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 05GC06.	1.5	9
32	Surface plasmon resonance effect on photocurrent amplification. <i>Synthetic Metals</i> , 2003, 137, 1443-1444.	3.9	8
33	Atmospheric-pressure plasma oxidation of aluminum for large-area electronics. <i>Journal of Applied Physics</i> , 2019, 125, 215501.	2.5	8
34	Charge Transport Property in the Lyotropic Liquid Crystalline Cell Composed of Carbazolyl Groups Pendant Poly(glutamate). <i>Japanese Journal of Applied Physics</i> , 1998, 37, L802-L803.	1.5	7
35	Photoconductive property in the lyotropic liquid crystalline cell composed of hole transport molecules pendant poly(glutamate). <i>Synthetic Metals</i> , 1999, 102, 1587-1588.	3.9	7
36	Pressure Sensor Array Fabricated with Polyamino Acid. <i>Journal of Photopolymer Science and Technology</i> = [Fotoporima Konwakai Shi], 2013, 26, 411-414.	0.3	7

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37	Effect of Microwave Annealing on Oxide-Semiconductor-Precursor Ink. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2014, 27, 339-342.	0.3	7
38	Reliability of transmission lines fabricated by screen printing for on-wafer measurements at millimeter-wave. , 2015, , .		7
39	Transmission loss of screen-printed metallization at millimeter-wave frequency. IEICE Electronics Express, 2019, 16, 20181081-20181081.	0.8	7
40	Polarized FT-IR Study of Uniaxially Aligned Electrospun Poly(DL-Lactic Acid) Fiber Films. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2016, 29, 353-356.	0.3	6
41	30-GHz High-Frequency Application of Screen Printed Interconnects on an Organic Substrate. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2017, 7, 1506-1515.	2.5	6
42	Requirements for Durability Improvement of Conductive Patterns Permeated in Textiles under Cyclic Tensile Deformation. Micromachines, 2019, 10, 721.	2.9	6
43	Reduction of threshold voltage fluctuation for organic field effect transistors by increase of insulator capacitance. Thin Solid Films, 2008, 516, 2739-2742.	1.8	5
44	Thin film transistor performance of amorphous indium-zinc oxide semiconductor thin film prepared by ultraviolet photoassisted sol-gel processing. Japanese Journal of Applied Physics, 2018, 57, 05GD01.	1.5	5
45	Suitability of Copper Nitride as a Wiring Ink Sintered by Low-Energy Intense Pulsed Light Irradiation. Nanomaterials, 2018, 8, 617.	4.1	5
46	Wettability control with self-assembler patterning for printed electronics. Japanese Journal of Applied Physics, 2019, 58, 041002.	1.5	5
47	Printed Electrode for All-Printed Polymer Diode. Japanese Journal of Applied Physics, 2011, 50, 04DK16.	1.5	4
48	Wearable muscle training and monitoring device. , 2018, , .		4
49	Resistance Reduction of Conductive Patterns Printed on Textile by Curing Shrinkage of Passivation Layers. Micromachines, 2020, 11, 539.	2.9	4
50	High Performance Organic Field Effect Transistor Withanovel Top-And-Bottom Contact (TBC) Structure. Materials Research Society Symposia Proceedings, 2002, 736, 1.	0.1	3
51	Effect of Built-in Potential under Drain Electrodes on Threshold Voltage of Organic Field-Effect Transistors. Japanese Journal of Applied Physics, 2007, 46, L883-L885.	1.5	3
52	Glass-fritless Cu alloy pastes for silicon solar cells requiring low temperature sintering. , 2011, , .		3
53	New interconnection alloy metal for high bonding strength nano composite particles synthesized by nanomized method. , 2014, , .		3
54	New Cu paste with high bonding strength&#x2014;Nano composite alloy particles synthesized by nanomized method. , 2014, , .		3

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55	Investigation of Low Temperature Process of Solution Processed Oxide Semiconductor as a Thin Film Transistor. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2015, 28, 353-355.	0.3	3
56	Reliability of a printed Cu busbar electrode on a conventional silicon solar cell. Japanese Journal of Applied Physics, 2015, 54, 08KD22.	1.5	3
57	Fabrication and performance of pressure-sensing device consisting of electret film and organic semiconductor. Japanese Journal of Applied Physics, 2017, 56, 04CL09.	1.5	3
58	Electrical Characterization of a Double-Layered Conductive Pattern with Different Crack Configurations for Durable E-Textiles. Micromachines, 2020, 11, 977.	2.9	3
59	Low-voltage operation of the organic thin film transistor with a diagonal configuration. , 2003, 5217, 133.		2
60	Device Characteristics of Polythiophene-based Field-effect Transistors Fabricated under Various Conditions. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2004, 17, 327-332.	0.3	2
61	Highly Sensitive Organic Photo-FET Using Photosensitive Polymer Insulator. Molecular Crystals and Liquid Crystals, 2007, 471, 21-27.	0.9	2
62	Effect of amide bond in gate dielectric polymers on memory performance of organic field-effect transistors. Japanese Journal of Applied Physics, 2014, 53, 05HB13.	1.5	2
63	Effect of Dielectric Behavior of Gate Dielectric Polymers on Memory Characteristics of Organic Field-effect Transistors. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2014, 27, 333-337.	0.3	2
64	Study of Thermally Stimulated Current in Fibrous Poly(DL-Lactic Acid) Films Exhibiting Piezoelectric-Like Behavior. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2015, 28, 369-372.	0.3	2
65	Gate Bias Modulated Current Flow Analysis at Organic Semiconductor / Metal Interface for Developing High Performance Organic Fet. Materials Research Society Symposia Proceedings, 2002, 734, 9321.	0.1	1
66	Subthreshold behavior in nanoparticle-dispersed poly(3-hexylthiophene) FET. , 2004, 5522, 89.		1
67	Importance of Semiconductor/Insulator Interface for Improving Transistor Properties of OFET. Molecular Crystals and Liquid Crystals, 2006, 455, 327-332.	0.9	1
68	Time variation of source-drain current for organic field-effect transistors with dipoles of insulator surface. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 601-603.	0.8	1
69	Screen printed finger electrode with high aspect ratio by single printing for crystal Si solar cell using novel screen mask. , 2012, , .		1
70	Silver screen printed transmission lines- analyzing the influence of substrate roughness on the RF performance up to 30 GHz. , 2014, , .		1
71	Kirigami-Liquid Structure for Electroluminescent Array Attachable onto Three-Dimensional Surfaces. , 2019, , .		1
72	Cubic Flocked Electrode Embedding Amplifier Circuit for Smart ECG Textile Application. , 2019, , .		1

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73	Work Function Controlled Zn:Cu Electrode for All-Printed Polymer Diode. Japanese Journal of Applied Physics, 2012, 51, 02BK05.	1.5	1
74	Stretchable Light-Emitting Device Using a Film/Elastomer Bilayer System with Electrodes Patterned by Printed Electronics Technique. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2020, 33, 413-417.	0.3	1
75	Robustness of organic physically unclonable function with buskeeper circuit for flexible security devices. Japanese Journal of Applied Physics, 2022, 61, SE1016.	1.5	1
76	Optimization of p/n multilayer structure for organic photoreceptor device. Synthetic Metals, 2003, 137, 1481-1482.	3.9	0
77	Influence of the Atmosphere On the Electric Behavior of A Polymeric Field Effect Transistor. Molecular Crystals and Liquid Crystals, 2004, 424, 209-215.	0.9	0
78	Device Characteristics of p-doped Regioregular Poly(alkylthiophene)-Based Field-Effect Transistors. , 2005, , SSuB4.		0
79	Interfacial control for developing organic rewritable optical memory using organic photo-FET having photosensitive gate dielectric. , 2006, 6336, 196.		0
80	Improving photo-switching property of organic photo-FET having photosensitive gate dielectric. , 2006, 6336, 204.		0
81	Polymer-Clay Hybrid Dielectric Layer for Flexible Organic Thin Film Transistors. Materials Research Society Symposia Proceedings, 2006, 939, 1.	0.1	0
82	Device characteristics of back channel-modified organic thin-film transistors. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 3178-3180.	0.8	0
83	Low Temperature Solution-Based Fabrications of Metal Oxide Semiconductor Films by Mechanical Sintering. Materials Research Society Symposia Proceedings, 2008, 1113, 1.	0.1	0
84	Silicon Oxide Composite Film Fabricated by Wet Process at Low Temperature as a Passivation Layer for Printable Electric Device. Materials Research Society Symposia Proceedings, 2008, 1113, 1.	0.1	0
85	Mechanical Sintering Techniques for Printed Electrodes with Various Work-function on a Plastic Substrate. Materials Research Society Symposia Proceedings, 2009, 1196, 34.	0.1	0
86	Development of SiO <sub>2</sub> Dielectric Thin Film Prepared by the Low-temperature Solution Process. Materials Research Society Symposia Proceedings, 2009, 1196, 46.	0.1	0
87	Printed metal electrode for flexible devices. EPJ Applied Physics, 2011, 55, 23906.	0.7	0
88	Short-time-scale threshold voltage shifts in organic field-effect transistors caused by dipoles on insulator surface. Physics Procedia, 2011, 14, 217-220.	1.2	0
89	Low-damage Preparation of SiO <sub>2</sub> Dielectric Thin Film by the Photo-assisted Oxidation Processing. Materials Research Society Symposia Proceedings, 2011, 1287, 1.	0.1	0
90	Work Function Controlled Printed Metal Alloy Pattern Prepared by Using Pressure Annealing Technique. Materials Research Society Symposia Proceedings, 2011, 1288, 1.	0.1	0

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91	Work Function Controlled Zn:Cu Electrode for All-Printed Polymer Diode. Japanese Journal of Applied Physics, 2012, 51, 02BK05.	1.5	0
92	Preferable opening area of screen mesh to print fine finger electrode with less-bumpy surface. , 2012, , .		0
93	Functional Elastomer for Flexible Electronics: Light Emitting Device and Gas Sensor. , 2020, , .		0
94	DATSURYOKU Sensor”A Capacitive-Sensor-Based Belt for Predicting Muscle Tension: Preliminary Results. Sensors, 2021, 21, 6669.	3.8	0
95	Transient Drain Current Measurement for Polymer Transistor Containing Residual Bromine Atoms. Japanese Journal of Applied Physics, 2011, 50, 081604.	1.5	0
96	Transient Drain Current Measurement for Polymer Transistor Containing Residual Bromine Atoms. Japanese Journal of Applied Physics, 2011, 50, 081604.	1.5	0
97	High Frequency Transmission Line by Screen Printed Technology. Journal of Smart Processing, 2016, 5, 294-299.	0.1	0
98	Highly Stretchable Conductive Materials and Applications Using These. Journal of Japan Institute of Electronics Packaging, 2019, 22, 470-475.	0.1	0