

Manabu Yoshida

List of Publications by Year in descending order

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docs citations

98
times ranked

1542
citing authors

#	ARTICLE	IF	CITATIONS
1	Robustness of organic physically unclonable function with buskeeper circuit for flexible security devices. Japanese Journal of Applied Physics, 2022, 61, SE1016.	1.5	1
2	Organic molecular and polymeric electrets toward soft electronics. Molecular Systems Design and Engineering, 2022, 7, 537-552.	3.4	15
3	Measurement and analysis on failure lifetime of serpentine interconnects for e-textiles under cyclic large deformation. Flexible and Printed Electronics, 2021, 6, 025003.	2.7	11
4	DATSURYOKU Sensor – A Capacitive-Sensor-Based Belt for Predicting Muscle Tension: Preliminary Results. Sensors, 2021, 21, 6669.	3.8	0
5	Electrical Characterization of a Double-Layered Conductive Pattern with Different Crack Configurations for Durable E-Textiles. Micromachines, 2020, 11, 977.	2.9	3
6	Functional Elastomer for Flexible Electronics: Light Emitting Device and Gas Sensor. , 2020, , .		0
7	Resistance Reduction of Conductive Patterns Printed on Textile by Curing Shrinkage of Passivation Layers. Micromachines, 2020, 11, 539.	2.9	4
8	Electronic Component Mounting for Durable E-Textiles: Direct Soldering of Components onto Textile-Based Deeply Permeated Conductive Patterns. Micromachines, 2020, 11, 209.	2.9	23
9	Stretchable and durable Parylene/PEDOT:PSS/Parylene multi-layer induced by plastic deformation for stretchable device using functionalized PDMS. AIP Advances, 2020, 10, 025205.	1.3	15
10	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
11	Demonstration of dielectric measurement using a probe-backside reflection method up to 300 GHz. Japanese Journal of Applied Physics, 2019, 58, SLLE02.	1.5	10
12	Kirigami-Liquid Structure for Electroluminescent Array Attachable onto Three-Dimensional Surfaces. , 2019, , .		1
13	Cubic Flocked Electrode Embedding Amplifier Circuit for Smart ECG Textile Application. , 2019, , .		1
14	Soft chromophore featured liquid porphyrins and their utilization toward liquid electret applications. Nature Communications, 2019, 10, 4210.	12.8	32
15	Atmospheric-pressure plasma oxidation of aluminum for large-area electronics. Journal of Applied Physics, 2019, 125, 215501.	2.5	8
16	Relationship between Contact Pressure and Motion Artifacts in ECG Measurement with Electrostatic Flocked Electrodes Fabricated on Textile. Scientific Reports, 2019, 9, 5897.	3.3	51
17	Wettability control with self-assembler patterning for printed electronics. Japanese Journal of Applied Physics, 2019, 58, 041002.	1.5	5
18	Requirements for Durability Improvement of Conductive Patterns Permeated in Textiles under Cyclic Tensile Deformation. Micromachines, 2019, 10, 721.	2.9	6

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19	Transmission loss of screen-printed metallization at millimeter-wave frequency. IEICE Electronics Express, 2019, 16, 20181081-20181081.	0.8	7
20	Highly Stretchable Conductive Materials and Applications Using These. Journal of Japan Institute of Electronics Packaging, 2019, 22, 470-475.	0.1	0
21	Wearable muscle training and monitoring device. , 2018, , .		4
22	Electrospun poly(methyl methacrylate) fibrous mat showing piezoelectric properties. Japanese Journal of Applied Physics, 2018, 57, 05GC06.	1.5	9
23	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
24	Suitability of Copper Nitride as a Wiring Ink Sintered by Low-Energy Intense Pulsed Light Irradiation. Nanomaterials, 2018, 8, 617.	4.1	5
25	Flexible Electronic Substrate Film Fabricated Using Natural Clay and Wood Components with Cross-Linking Polymer. Advanced Materials, 2017, 29, 1606512.	21.0	48
26	Organic physically unclonable function on flexible substrate operable at 2ÅV for IoT/IoE security applications. Organic Electronics, 2017, 51, 137-141.	2.6	31
27	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
28	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
29	Solution-processed hybrid organic-inorganic complementary thin-film transistor inverter. Japanese Journal of Applied Physics, 2016, 55, 04EL04.	1.5	10
30	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
31	Actuation Behavior of Polylactic Acid Fiber Films Prepared by Electrospinning. Journal of Nanoscience and Nanotechnology, 2016, 16, 3343-3348.	0.9	18
32	Stretchable conductor from oriented short conductive fibers for wiring soft electronics. Polymer Bulletin, 2016, 73, 2521-2529.	3.3	16
33	High Frequency Transmission Line by Screen Printed Technology. Journal of Smart Processing, 2016, 5, 294-299.	0.1	0
34	Rapid preparation of solution-processed InGaZnO thin films by microwave annealing and photoirradiation. AIP Advances, 2015, 5, .	1.3	22
35	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
36	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

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37	Reliability of a printed Cu busbar electrode on a conventional silicon solar cell. Japanese Journal of Applied Physics, 2015, 54, 08KD22.	1.5	3
38	Reliability of transmission lines fabricated by screen printing for on-wafer measurements at millimeter-wave. , 2015, , .		7
39	New interconnection alloy metal for high bonding strength nano composite particles synthesized by nanomized method. , 2014, , .		3
40	Silver screen printed transmission lines- analyzing the influence of substrate roughness on the RF performance up to 30 GHz. , 2014, , .		1
41	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
42	Solder Joint Failure Modes in the Conventional Crystalline Si Module. Energy Procedia, 2014, 55, 464-468.	1.8	31
43	New Cu paste with high bonding strength—Nano composite alloy particles synthesized by nanomized method. , 2014, , .		3
44	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
45	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
46	Pressure Sensor Array Fabricated with Polyamino Acid. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2013, 26, 411-414.	0.3	7
47	Work Function Controlled Zn:Cu Electrode for All-Printed Polymer Diode. Japanese Journal of Applied Physics, 2012, 51, 02BK05.	1.5	0
48	Screen printed finger electrode with high aspect ratio by single printing for crystal Si solar cell using novel screen mask. , 2012, , .		1
49	Preferable opening area of screen mesh to print fine finger electrode with less-bumpy surface. , 2012, , .		0
50	Novel Low-Temperature-Sintering Type Cu-Alloy Pastes for Silicon Solar Cells. Energy Procedia, 2012, 21, 66-74.	1.8	44
51	Work Function Controlled Zn:Cu Electrode for All-Printed Polymer Diode. Japanese Journal of Applied Physics, 2012, 51, 02BK05.	1.5	1
52	Glass-fritless Cu alloy pastes for silicon solar cells requiring low temperature sintering. , 2011, , .		3
53	Printed metal electrode for flexible devices. EPJ Applied Physics, 2011, 55, 23906.	0.7	0
54	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

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55	Short-time-scale threshold voltage shifts in organic field-effect transistors caused by dipoles on insulator surface. <i>Physics Procedia</i> , 2011, 14, 217-220.	1.2	0
56	Printed Electrode for All-Printed Polymer Diode. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 04DK16.	1.5	4
57	Low-damage Preparation of SiO ₂ Dielectric Thin Film by the Photo-assisted Oxidation Processing. <i>Materials Research Society Symposia Proceedings</i> , 2011, 1287, 1.	0.1	0
58	Work Function Controlled Printed Metal Alloy Pattern Prepared by Using Pressure Annealing Technique. <i>Materials Research Society Symposia Proceedings</i> , 2011, 1288, 1.	0.1	0
59	Transient Drain Current Measurement for Polymer Transistor Containing Residual Bromine Atoms. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 081604.	1.5	0
60	Transient Drain Current Measurement for Polymer Transistor Containing Residual Bromine Atoms. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 081604.	1.5	0
61	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
62	Mechanical Sintering Techniques for Printed Electrodes with Various Work-function on a Plastic Substrate. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1196, 34.	0.1	0
63	Development of SiO ₂ Dielectric Thin Film Prepared by the Low-temperature Solution Process. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1196, 46.	0.1	0
64	Device characteristics of back channel-modified organic thin-film transistors. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008, 5, 3178-3180.	0.8	0
65	Reduction of threshold voltage fluctuation for organic field effect transistors by increase of insulator capacitance. <i>Thin Solid Films</i> , 2008, 516, 2739-2742.	1.8	5
66	Low Temperature Solution-Based Fabrications of Metal Oxide Semiconductor Films by Mechanical Sintering. <i>Materials Research Society Symposia Proceedings</i> , 2008, 1113, 1.	0.1	0
67	Silicon Oxide Composite Film Fabricated by Wet Process at Low Temperature as a Passivation Layer for Printable Electric Device. <i>Materials Research Society Symposia Proceedings</i> , 2008, 1113, 1.	0.1	0
68	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
69	Effect of Built-in Potential under Drain Electrodes on Threshold Voltage of Organic Field-Effect Transistors. <i>Japanese Journal of Applied Physics</i> , 2007, 46, L883-L885.	1.5	3
70	Highly Sensitive Organic Photo-FET Using Photosensitive Polymer Insulator. <i>Molecular Crystals and Liquid Crystals</i> , 2007, 471, 21-27.	0.9	2
71	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
72	Importance of Semiconductor/Insulator Interface for Improving Transistor Properties of OFET. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 455, 327-332.	0.9	1

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73	Interfacial control for developing organic rewritable optical memory using organic photo-FET having photosensitive gate dielectric. , 2006, 6336, 196.		0
74	Improving photo-switching property of organic photo-FET having photosensitive gate dielectric. , 2006, 6336, 204.		0
75	Polymer-Clay Hybrid Dielectric Layer for Flexible Organic Thin Film Transistors. Materials Research Society Symposia Proceedings, 2006, 939, 1.	0.1	0
76	Device Characteristics of p-doped Regioregular Poly(alkylthiophene)-Based Field-Effect Transistors. , 2005, , SSuB4.		0
77	Electrode Effects of Organic Thin-Film Transistor with Top and Bottom Contact Configuration. Japanese Journal of Applied Physics, 2005, 44, 3715-3720.	1.5	13
78	The organic FET with poly(peptide) derivatives and poly(methyl-methacrylate) gate dielectric. Synthetic Metals, 2005, 153, 405-408.	3.9	21
79	Influence of moisture on device characteristics of polythiophene-based field-effect transistors. Journal of Applied Physics, 2004, 95, 5088-5093.	2.5	229
80	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
81	Subthreshold behavior in nanoparticle-dispersed poly(3-hexylthiophene) FET. , 2004, 5522, 89.		1
82	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
83	Investigation for surface modification of polymer as an insulator layer of organic FET. Thin Solid Films, 2003, 438-439, 378-381.	1.8	55
84	Photoresponsive organic electroluminescent devices. Journal of Photochemistry and Photobiology A: Chemistry, 2003, 158, 215-218.	3.9	9
85	Surface Potential Control of an Insulator Layer for the High Performance Organic FET. Synthetic Metals, 2003, 137, 967-968.	3.9	89
86	High Performance Organic FET with Double-Semiconductor Layers. Synthetic Metals, 2003, 137, 893-894.	3.9	16
87	Surface plasmon resonance effect on photocurrent amplification. Synthetic Metals, 2003, 137, 1443-1444.	3.9	8
88	Memory effects of pentacene MFS-FET. Synthetic Metals, 2003, 137, 943-944.	3.9	11
89	Optimization of p/n multilayer structure for organic photoreceptor device. Synthetic Metals, 2003, 137, 1481-1482.	3.9	0
90	Low-voltage operation of the organic thin film transistor with a diagonal configuration. , 2003, 5217, 133.		2

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91	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
92	High Performance Organic Field Effect Transistor Withanovel Top-And-Bottom Contact (TBC) Structure. Materials Research Society Symposia Proceedings, 2002, 736, 1.	0.1	3
93	Light up-conversion from near-infrared to blue using a photoresponsive organic light-emitting device. Applied Physics Letters, 2002, 81, 769-771.	3.3	45
94	Charge transport properties of triphenylamine-pendant polypeptide. Journal of Polymer Science, Part B: Polymer Physics, 2000, 38, 362-368.	2.1	9
95	Charge transport properties for carbazolyl groups pendant poly(glutamate). Journal of Polymer Science, Part B: Polymer Physics, 1999, 37, 61-69.	2.1	12
96	Photoconductive property in the lyotropic liquid crystalline cell composed of hole transport molecules pendant poly(glutamate). Synthetic Metals, 1999, 102, 1587-1588.	3.9	7
97	Charge Transport Property in the Lyotropic Liquid Crystalline Cell Composed of Carbazolyl Groups Pendant Poly(glutamate). Japanese Journal of Applied Physics, 1998, 37, L802-L803.	1.5	7
98	Temporal Changes in Sourceâ€“Drain Current for Organic Field-Effect Transistors Caused by Dipole on Insulator Surface. Applied Physics Express, 0, 1, 061801.	2.4	14