

Kouji Suemori

List of Publications by Year in descending order

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57
papers

886
citations

686830

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57
all docs

57
docs citations

57
times ranked

1155
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible and lightweight thermoelectric generators composed of carbon nanotube/polystyrene composites printed on film substrate. Applied Physics Letters, 2013, 103, .	1.5	174
2	Three-layered organic solar cells incorporating a nanostructure-optimized phthalocyanine:fullerene codeposited interlayer. Applied Physics Letters, 2005, 86, 063509.	1.5	99
3	Carbon nanotube bundles/polystyrene composites as high-performance flexible thermoelectric materials. Applied Physics Letters, 2015, 106, .	1.5	72
4	Threshold voltage stability of organic field-effect transistors for various chemical species in the insulator surface. Applied Physics Letters, 2007, 91, .	1.5	66
5	Electrical shorting of organic photovoltaic films resulting from metal migration. Journal of Applied Physics, 2006, 99, 036109.	1.1	58
6	Organic solar cells protected by very thick naphthalene tetracarboxylic anhydride films. Applied Physics Letters, 2004, 85, 6269-6271.	1.5	51
7	Influence of fine roughness of insulator surface on threshold voltage stability of organic field-effect transistors. Applied Physics Letters, 2008, 93, .	1.5	44
8	Enhanced Photovoltaic Performance in Fullerene:Phthalocyanine Codeposited Films Deposited on Heated Substrate. Japanese Journal of Applied Physics, 2004, 43, L1014-L1016.	0.8	37
9	Design of nanostructures for photoelectric conversion using an organic vertical superlattice. Applied Physics Letters, 2006, 88, 213105.	1.5	36
10	Soft chromophore featured liquid porphyrins and their utilization toward liquid electret applications. Nature Communications, 2019, 10, 4210.	5.8	32
11	Photovoltaic Properties of Ultramicrostructure-Controlled Organic Co-Deposited Films. Japanese Journal of Applied Physics, 2002, 41, 2763-2766.	0.8	25
12	Development of Field-Effect Transistor-Type Photorewritable Memory Using Photochromic Interface Layer. Japanese Journal of Applied Physics, 2010, 49, 04DK09.	0.8	25
13	Increase in thermoelectric power factor of carbon-nanotube films after addition of polystyrene. Organic Electronics, 2016, 28, 135-138.	1.4	15
14	Temporal Changes in Source-Drain Current for Organic Field-Effect Transistors Caused by Dipole on Insulator Surface. Applied Physics Express, 0, 1, 061801.	1.1	14
15	Formation of ohmic contacts to perylene molecular crystals. Applied Physics Letters, 2004, 85, 1852-1854.	1.5	13
16	Large Area Organic Solar Cells with Thick and Transparent Protection Layers. Japanese Journal of Applied Physics, 2006, 45, L472-L474.	0.8	11
17	Thermoelectric characteristics in out-of plane direction of thick carbon nanotube-polystyrene composites fabricated by the solution process. Synthetic Metals, 2017, 227, 177-181.	2.1	11
18	Effect of positively charged particles on sputtering damage of organic electro-luminescent diodes with Mg:Ag alloy electrodes fabricated by facing target sputtering. AIP Advances, 2017, 7, .	0.6	10

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19	Vertical Junction Type Organic Photovoltaic Cells. Japanese Journal of Applied Physics, 2004, 43, L1094-L1096.	0.8	8
20	P-I-N Junction Organic Solar Cells. Molecular Crystals and Liquid Crystals, 2006, 455, 267-275.	0.4	7
21	High thermoelectric performance of post mechanical treated carbon nanotube films with polystyrene binder. Applied Physics Letters, 2020, 116, .	1.5	7
22	Influence of Oxygen on Photocurrent Multiplication Phenomenon at Organic/Metal Interface. Japanese Journal of Applied Physics, 2003, 42, 2495-2497.	0.8	6
23	Electrochromic Response Characteristics of Dye-modified Porous Electrodes Affected by the Porous Film Structure. Chemistry Letters, 2016, 45, 1291-1293.	0.7	6
24	Fully Printed Flexible Heat Flow Sensors and their Utilization toward Heat Generation Monitoring for People and Machineries. Advanced Electronic Materials, 2020, 6, 2000691.	2.6	6
25	Voltage Contrast in Scanning Electron Microscopy to Distinguish Conducting Ag Nanowire Networks from Nonconducting Ag Nanowire Networks. ACS Omega, 2020, 5, 12692-12697.	1.6	6
26	Formation of ohmic contacts for both holes and electrons to organic semiconductor films. Applied Physics Letters, 2005, 86, 173505.	1.5	5
27	Reduction of threshold voltage fluctuation for organic field effect transistors by increase of insulator capacitance. Thin Solid Films, 2008, 516, 2739-2742.	0.8	5
28	Effect of Silicon Dioxide Surface on Bias Stress Effect for Organic Field-Effect Transistors. Japanese Journal of Applied Physics, 2009, 48, 04C170.	0.8	4
29	Printed Electrode for All-Printed Polymer Diode. Japanese Journal of Applied Physics, 2011, 50, 04DK16.	0.8	4
30	Response delay caused by dielectric relaxation of polymer insulators for organic transistors and resolution method. Applied Physics Letters, 2012, 101, 083307.	1.5	4
31	Fabrication of Millimeter Thick Polymer-Based Thermoelectric Devices by Solvent-Free Printing. Advanced Materials Technologies, 0, , 2100473.	3.0	4
32	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.	0.8	3
33	Improvement of the electrochromic response of a low-temperature sintered dye-modified porous electrode using low-resistivity indium tin oxide nanoparticles. AIP Advances, 2016, 6, 065121.	0.6	3
34	Importance of internal stress control in organic/metal-oxide hybrid devices. Applied Physics Letters, 2021, 119, 013502.	1.5	3
35	Organic Solar Cells Incorporating a p-i-n Junction. Molecular Crystals and Liquid Crystals, 2006, 444, 33-40.	0.4	2
36	Penetration of a Mg:Ag alloy electrode thermal deposited on an organic thin film. Japanese Journal of Applied Physics, 2019, 58, 038006.	0.8	2

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37	Crystalline-amorphous organic co-deposited films showing efficient photo-electric conversion. <i>Molecular Crystals and Liquid Crystals</i> , 2004, 425, 181-188.	0.4	1
38	Formation of Ohmic Contacts to Naphthalene Tetracarboxylic Anhydride Films. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 462, 45-50.	0.4	1
39	Time variation of source-drain current for organic field-effect transistors with dipoles of insulator surface. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2011, 8, 601-603.	0.8	1
40	Estimation of Fermi Level Changes Caused by Changes in Ambient Conditions around Organic Semiconductors by Seebeck Effect Measurement. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 060202.	0.8	1
41	Thermoelectric characteristics of carbon nanotube/poly(dimethylsiloxane) composites fabricated by solvent-less printing. <i>Japanese Journal of Applied Physics</i> , 2019, 58, SBBG17.	0.8	1
42	Work Function Controlled Zn:Cu Electrode for All-Printed Polymer Diode. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 02BK05.	0.8	1
43	Penetration of Mg:Ag electrode fabricated by facing-target sputtering into the organic semiconductor layer. <i>Materials Letters</i> , 2022, 310, 131493.	1.3	1
44	Development of a simple contact-type printable physically unclonable function device using percolation conduction of rod-like conductive fillers. <i>Japanese Journal of Applied Physics</i> , 2022, 61, SE1005.	0.8	1
45	Formation of Ohmic Contacts to Organic Semiconductor Films. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 455, 333-338.	0.4	0
46	Instability for organic field effect transistors caused by dipole on insulator surface. , 2008, , .		0
47	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
48	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
49	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
50	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
51	P-171: A Novel Sensor for Simultaneously Monitoring the Composition and Thickness of Co-deposited Films During Co-deposition. <i>Digest of Technical Papers SID International Symposium</i> , 2011, 42, 1742-1745.	0.1	0
52	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
53	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
54	Work Function Controlled Zn:Cu Electrode for All-Printed Polymer Diode. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 02BK05.	0.8	0

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55	Estimation of Fermi Level Changes Caused by Changes in Ambient Conditions around Organic Semiconductors by Seebeck Effect Measurement. Japanese Journal of Applied Physics, 2011, 50, 060202.	0.8	0
56	Transient Drain Current Measurement for Polymer Transistor Containing Residual Bromine Atoms. Japanese Journal of Applied Physics, 2011, 50, 081604.	0.8	0
57	Transient Drain Current Measurement for Polymer Transistor Containing Residual Bromine Atoms. Japanese Journal of Applied Physics, 2011, 50, 081604.	0.8	0