

Kazunori Kuribara

List of Publications by Year in descending order

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39
papers

3,948
citations

687363

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454955

30
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41
all docs

41
docs citations

41
times ranked

6407
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	Development of a simple contact-type printable physically unclonable function device using percolation conduction of rod-like conductive fillers. Japanese Journal of Applied Physics, 2022, 61, SE1005.	1.5	1
3	Yield and leakage current of organic thin-film transistor logic gates toward reliable and low-power operation of large-scale logic circuits for IoT nodes. Japanese Journal of Applied Physics, 2022, 61, SC1044.	1.5	3
4	Stable organic SRAM cell with p-type access transistors. Japanese Journal of Applied Physics, 2021, 60, SBGG04.	1.5	4
5	Separation of bias stress degradation between insulator and semiconductor carrier trapping in organic thin-film transistors. Japanese Journal of Applied Physics, 2021, 60, SBGG06.	1.5	2
6	An SRAM-based Scratchpad Memory for Organic IoT Sensors. , 2021, , .		1
7	Measurement and Modeling of Ambient-Air-Induced Degradation in Organic Thin-Film Transistor. IEEE Transactions on Semiconductor Manufacturing, 2020, 33, 216-223.	1.7	4
8	Recovery-aware bias-stress degradation model for organic thin-film transistors considering drain and gate bias voltages. Japanese Journal of Applied Physics, 2020, 59, SCGG08.	1.5	6
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	Organic Current Mirror PUF for Improved Stability Against Device Aging. IEEE Sensors Journal, 2020, 20, 7569-7578.	4.7	9
11	Direct Preparation of Mixed Self-assembled Monolayers Based on Common-substructure-tailored Phosphonic Acids for Fine Control of Surface Wettability. Chemistry Letters, 2020, 49, 1302-1305.	1.3	1
12	OCM-PUF: organic current mirror PUF with enhanced resilience to device degradation. , 2019, , .		5
13	A compact model of I-V characteristic degradation for organic thin film transistors. , 2019, , .		5
14	Atmospheric-pressure plasma oxidation of aluminum for large-area electronics. Journal of Applied Physics, 2019, 125, 215501.	2.5	8
15	Feasibility of a low-power, low-voltage complementary organic thin film transistor buskeeper physical unclonable function. Japanese Journal of Applied Physics, 2019, 58, SBGG03.	1.5	7
16	Wettability control with self-assembler patterning for printed electronics. Japanese Journal of Applied Physics, 2019, 58, 041002.	1.5	5
17	Mechanically and electrically robust metal-mask design for organic CMOS circuits. Japanese Journal of Applied Physics, 2018, 57, 04FL05.	1.5	6
18	An Experimental Design of Robust Current-mode Arbiter PUF using Organic Thin Film Transistors. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
19	Measurement and Modeling of Frequency Degradation of an oTFT Ring Oscillator. , 2018, , .		3
20	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
21	Organic physically unclonable function on flexible substrate operable at 2.4 V for IoT/IoE security applications. Organic Electronics, 2017, 51, 137-141.	2.6	31
22	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
23	Solution-processed hybrid organic-inorganic complementary thin-film transistor inverter. Japanese Journal of Applied Physics, 2016, 55, 04EL04.	1.5	10
24	Ultraflexible organic amplifier with biocompatible gel electrodes. Nature Communications, 2016, 7, 11425.	12.8	179
25	Temperature-modulated annealing of c-plane sapphire for long-range-ordered atomic steps. Journal Physics D: Applied Physics, 2016, 49, 115302.	2.8	2
26	High-resolution spatial control of the threshold voltage of organic transistors by microcontact printing of alkyl and fluoroalkylphosphonic acid self-assembled monolayers. Organic Electronics, 2015, 26, 239-244.	2.6	21
27	Printable elastic conductors with a high conductivity for electronic textile applications. Nature Communications, 2015, 6, 7461.	12.8	677
28	A strain-absorbing design for tissue-machine interfaces using a tunable adhesive gel. Nature Communications, 2014, 5, 5898.	12.8	120
29	Flexible Low-Voltage Organic Transistors with High Thermal Stability at 250 °C. Advanced Materials, 2013, 25, 3639-3644.	21.0	101
30	An ultra-lightweight design for imperceptible plastic electronics. Nature, 2013, 499, 458-463.	27.8	2,133
31	Simultaneous characterization of mechanical and electrical performances of ultraflexible and stretchable organic integrated circuits. , 2012, , .		3
32	Organic transistors with high thermal stability for medical applications. Nature Communications, 2012, 3, 723.	12.8	290
33	Investigation of organic thin-film transistors for electrostatic discharge applications. , 2011, , .		0
34	Study of Organic Thin-Film Transistors Under Electrostatic Discharge Stresses. IEEE Electron Device Letters, 2011, 32, 967-969.	3.9	11
35	Organic Pseudo-CMOS Circuits for Low-Voltage Large-Gain High-Speed Operation. IEEE Electron Device Letters, 2011, 32, 1448-1450.	3.9	61
36	A 4 V Operation, Flexible Braille Display Using Organic Transistors, Carbon Nanotube Actuators, and Organic Static Random Access Memory. Advanced Functional Materials, 2011, 21, 4019-4027.	14.9	128

#	ARTICLE	IF	CITATIONS
37	Low-voltage organic transistor with subfemtoliter inkjet source-drain contacts. MRS Communications, 2011, 1, 3-6.	1.8	32
38	Spatial control of the threshold voltage of low-voltage organic transistors by microcontact printing of alkyl- and fluoroalkyl-phosphonic acids. MRS Communications, 2011, 1, 33-36.	1.8	7
39	Thermal stability of organic thin-film transistors with self-assembled monolayer dielectrics. Applied Physics Letters, 2010, 96, 053302.	3.3	48