

Kazunori Kuribara

List of Publications by Year in descending order

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39
papers

3,948
citations

687363

13
h-index

454955

30
g-index

41
all docs

41
docs citations

41
times ranked

6407
citing authors

#	ARTICLE	IF	CITATIONS
1	An ultra-lightweight design for imperceptible plastic electronics. <i>Nature</i> , 2013, 499, 458-463.	27.8	2,133
2	Printable elastic conductors with a high conductivity for electronic textile applications. <i>Nature Communications</i> , 2015, 6, 7461.	12.8	677
3	Organic transistors with high thermal stability for medical applications. <i>Nature Communications</i> , 2012, 3, 723.	12.8	290
4	Ultraflexible organic amplifier with biocompatible gel electrodes. <i>Nature Communications</i> , 2016, 7, 11425.	12.8	179
5	A 4 V Operation, Flexible Braille Display Using Organic Transistors, Carbon Nanotube Actuators, and Organic Static Random Access Memory. <i>Advanced Functional Materials</i> , 2011, 21, 4019-4027.	14.9	128
6	A strain-absorbing design for tissue-machine interfaces using a tunable adhesive gel. <i>Nature Communications</i> , 2014, 5, 5898.	12.8	120
7	Flexible Low-Voltage Organic Transistors with High Thermal Stability at 250 °C. <i>Advanced Materials</i> , 2013, 25, 3639-3644.	21.0	101
8	Organic Pseudo-CMOS Circuits for Low-Voltage Large-Gain High-Speed Operation. <i>IEEE Electron Device Letters</i> , 2011, 32, 1448-1450.	3.9	61
9	Thermal stability of organic thin-film transistors with self-assembled monolayer dielectrics. <i>Applied Physics Letters</i> , 2010, 96, 053302.	3.3	48
10	Low-voltage organic transistor with subfemtoliter inkjet source-drain contacts. <i>MRS Communications</i> , 2011, 1, 3-6.	1.8	32
11	Organic physically unclonable function on flexible substrate operable at 2 ÅV for IoT/loE security applications. <i>Organic Electronics</i> , 2017, 51, 137-141.	2.6	31
12	High-resolution spatial control of the threshold voltage of organic transistors by microcontact printing of alkyl and fluoroalkylphosphonic acid self-assembled monolayers. <i>Organic Electronics</i> , 2015, 26, 239-244.	2.6	21
13	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
14	Study of Organic Thin-Film Transistors Under Electrostatic Discharge Stresses. <i>IEEE Electron Device Letters</i> , 2011, 32, 967-969.	3.9	11
15	Solution-processed hybrid organic-inorganic complementary thin-film transistor inverter. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 04EL04.	1.5	10
16	Organic Current Mirror PUF for Improved Stability Against Device Aging. <i>IEEE Sensors Journal</i> , 2020, 20, 7569-7578.	4.7	9
17	Atmospheric-pressure plasma oxidation of aluminum for large-area electronics. <i>Journal of Applied Physics</i> , 2019, 125, 215501.	2.5	8
18	Spatial control of the threshold voltage of low-voltage organic transistors by microcontact printing of alkyl- and fluoroalkyl-phosphonic acids. <i>MRS Communications</i> , 2011, 1, 33-36.	1.8	7

#	ARTICLE	IF	CITATIONS
19	Feasibility of a low-power, low-voltage complementary organic thin film transistor buskeeper physical unclonable function. Japanese Journal of Applied Physics, 2019, 58, SBBC03.	1.5	7
20	Mechanically and electrically robust metal-mask design for organic CMOS circuits. Japanese Journal of Applied Physics, 2018, 57, 04FL05.	1.5	6
21	Recovery-aware bias-stress degradation model for organic thin-film transistors considering drain and gate bias voltages. Japanese Journal of Applied Physics, 2020, 59, SGGG08.	1.5	6
22	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
23	OCM-PUF: organic current mirror PUF with enhanced resilience to device degradation. , 2019, , .		5
24	A compact model of I-V characteristic degradation for organic thin film transistors. , 2019, , .		5
25	Wettability control with self-assembler patterning for printed electronics. Japanese Journal of Applied Physics, 2019, 58, 041002.	1.5	5
26	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
27	Stable organic SRAM cell with p-type access transistors. Japanese Journal of Applied Physics, 2021, 60, SBBC04.	1.5	4
28	Simultaneous characterization of mechanical and electrical performances of ultraflexible and stretchable organic integrated circuits. , 2012, , .		3
29	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
30	Measurement and Modeling of Frequency Degradation of an oTFT Ring Oscillator. , 2018, , .		3
31	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
32	Temperature-modulated annealing of c-plane sapphire for long-range-ordered atomic steps. Journal Physics D: Applied Physics, 2016, 49, 115302.	2.8	2
33	Separation of bias stress degradation between insulator and semiconductor carrier trapping in organic thin-film transistors. Japanese Journal of Applied Physics, 2021, 60, SBBC06.	1.5	2
34	An SRAM-based Scratchpad Memory for Organic IoT Sensors. , 2021, , .		1
35	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
36	Robustness of organic physically unclonable function with buskeeper circuit for flexible security devices. Japanese Journal of Applied Physics, 2022, 61, SE1016.	1.5	1

#	ARTICLE	IF	CITATIONS
37	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
38	Investigation of organic thin-film transistors for electrostatic discharge applications. , 2011, , .		0
39	An Experimental Design of Robust Current-mode Arbiter PUF using Organic Thin Film Transistors. , 2018, , .		0