

Ulrich Hilleringmann

List of Publications by Year in descending order

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41
papers

366
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1040056

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17
g-index

42
all docs

42
docs citations

42
times ranked

434
citing authors

#	ARTICLE	IF	CITATIONS
1	Autonomous Sensor Nodes for Aircraft Structural Health Monitoring. IEEE Sensors Journal, 2009, 9, 1589-1595.	4.7	77
2	Flexible Electronics: Integration Processes for Organic and Inorganic Semiconductor-Based Thin-Film Transistors. Electronics (Switzerland), 2015, 4, 480-506.	3.1	47
3	ZnO nanoparticle thin-film transistors on flexible substrate using spray-coating technique. Microelectronic Engineering, 2016, 159, 155-158.	2.4	34
4	Inverter Circuits Using ZnO Nanoparticle Based Thin-Film Transistors for Flexible Electronic Applications. Nanomaterials, 2016, 6, 154.	4.1	27
5	Enhanced organic light-emitting diode based on a columnar liquid crystal by integration in a microresonator. International Journal of Energy Research, 2014, 38, 452-458.	4.5	20
6	Liquid crystalline dithienothiophene derivatives for organic electronics. Organic Electronics, 2018, 61, 266-275.	2.6	20
7	Electro-thermo-mechanical analytical modeling of multilayer cantilever microactuator. Sensors and Actuators A: Physical, 2007, 137, 302-307.	4.1	17
8	Inverter circuits on freestanding flexible substrate using ZnO nanoparticles for cost-efficient electronics. Solid-State Electronics, 2017, 137, 16-21.	1.4	17
9	Analysis of Energy Transmission for Inductive Coupled RFID Tags. , 2007, , .		16
10	Low-voltage DNNT-based thin-film transistors and inverters for flexible electronics. Microelectronic Engineering, 2017, 174, 35-39.	2.4	15
11	Stability Analysis of a Charge Pump Phase-Locked Loop Using Autonomous Difference Equations. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 2569-2577.	5.4	9
12	A Study about Schottky Barrier Height and Ideality Factor in Thin Film Transistors with Metal/Zinc Oxide Nanoparticles Structures Aiming Flexible Electronics Application. Nanomaterials, 2021, 11, 1188.	4.1	9
13	ZnO Thin-Film Transistors for Cost-Efficient Flexible Electronics. , 2018, , .		8
14	Low-voltage C 8 -BTBT thin-film transistors for flexible electronics. Materials Today: Proceedings, 2017, 4, S232-S236.	1.8	7
15	Analysis and modeling of pseudo-short-channel effects in ZnO-nanoparticle thin-film transistors. , 2010, , .		6
16	Self-organization of nanospheres in trenches on silicon surfaces. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 1485-1489.	1.8	6
17	Study on the Performance Enhancement of ZnO Nanoparticles Thin-Film Transistors. ECS Transactions, 2011, 39, 109-115.	0.5	5
18	Modeling and characterization of CP-PLL phase noise in presence of dead zone. , 2014, , .		5

#	ARTICLE	IF	CITATIONS
19	Formation and Properties of TiSi_2 as Contact Material for High-Temperature Thermoelectric Generators. Materials Research Society Symposia Proceedings, 2012, 1490, 97-102.	0.1	4
20	N-type single nanoparticle ZnO transistors processed at low temperature. , 2009, , .		3
21	Enhanced event-driven modeling of a CP-PLL with nonlinearities and nonidealities. , 2013, , .		3
22	Self-aligned organic thin-film transistors for flexible electronics. , 2019, , .		3
23	Inorganic p-channel thin-film transistors using CuO nanoparticles. , 2019, , .		2
24	Design and implementation of a measurement system for automatically measurement of electrical parameters of thermoelectric generators. Materials Research Society Symposia Proceedings, 2013, 1490, 191-196.	0.1	1
25	Embedded UHF RFID tag design process for rubber transmission belt using 3D model. , 2014, , .		1
26	Extended event-driven modeling of a \hat{I}^{α} -fractional-N PLL including non-ideal effects. , 2014, , .		1
27	Integration of ZnO nanoparticle transistors on freestanding flexible substrates. Proceedings of SPIE, 2017, , .	0.8	1
28	Zinc Oxide Transistors. , 2018, , 83-143.		1
29	Influence of electrode metallization on thin-film transistor performance. , 2021, , .		1
30	Piezoresistive pressure sensors in CVD diamond for high-temperature applications. , 2003, , .		0
31	Characterization of SiON integrated waveguides via FTIR and AFM measurements. , 2011, , .		0
32	Self-organization of nanospheres in trenches on silicon surfaces (Phys. Status Solidi A 8/2013). Physica Status Solidi (A) Applications and Materials Science, 2013, 210, .	1.8	0
33	Replacing TCO electrodes in dye sensitized solar cells by metal grids. Proceedings of SPIE, 2014, , .	0.8	0
34	Time domain electrical characterization in zinc oxide nanoparticle thin-film transistors. , 2018, , .		0
35	ZnO nanoparticle films as active layer for thin film transistors. , 2021, , 375-392.		0
36	Complementary Inverter Circuits on Flexible Substrates. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
37	Integration Process for Self-aligned Sub- μm Thin-Film Transistors for Flexible Electronics. , 2021, , .		0
38	The Viability of a Non-Flow Capacitive Biosensing Microsystem for Whole Cell Counting. , 2021, , .		0
39	Electronic Circuits. , 2018, , 145-158.		0
40	Mechanical deformation on nanoparticle-based thin-film transistors. , 2019, , .		0
41	Improved organic thin-film transistor performance by dielectric layer patterning. , 2019, , .		0