

Thomas N Jackson

List of Publications by Year in descending order

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44
papers

3,400
citations

394286

19
h-index

434063

31
g-index

45
all docs

45
docs citations

45
times ranked

5136
citing authors

#	ARTICLE	IF	CITATIONS
1	Stress-balancing in piezoelectric adjustable x-ray optics. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2022, 8, .	1.0	5
2	Challenges in double-beam laser interferometry measurements of fully released piezoelectric films. <i>Journal of Applied Physics</i> , 2022, 131, .	1.1	2
3	10 MHz Thin-Film PZT-Based Flexible PMUT Array: Finite Element Design and Characterization. <i>Sensors</i> , 2020, 20, 4335.	2.1	6
4	Aluminum oxide free-standing thin films to enable nitrogen edge soft x-ray scattering. <i>MRS Communications</i> , 2019, 9, 224-228.	0.8	6
5	The effect of single atom replacement on organic thin film transistors: case of thieno[3,2-b]pyrrole vs. furo[3,2-b]pyrrole. <i>Journal of Materials Chemistry C</i> , 2018, 6, 10050-10058.	2.7	14
6	Kirigami-inspired 3D Organic Light-Emitting Diode (OLED) Lighting Concepts. <i>Advanced Materials Technologies</i> , 2018, 3, 1800067.	3.0	11
7	High-temperature crystallized thin-film PZT on thin polyimide substrates. <i>Journal of Applied Physics</i> , 2017, 122, .	1.1	23
8	Your golden age of device research. , 2017, , .		0
9	Controlling Chain Conformations of High- κ Fluoropolymer Dielectrics to Enhance Charge Mobilities in Rubrene Single-Crystal Field-Effect Transistors. <i>Advanced Materials</i> , 2016, 28, 10095-10102.	11.1	38
10	Thin Film Transistors Using Wafer-Scale Low-Temperature MOCVD WSe ₂ . <i>Journal of Electronic Materials</i> , 2016, 45, 6280-6284.	1.0	26
11	Influence of Carbon in Metalorganic Chemical Vapor Deposition of Few-Layer WSe ₂ Thin Films. <i>Journal of Electronic Materials</i> , 2016, 45, 6273-6279.	1.0	47
12	Mobility overestimation due to gated contacts in organic field-effect transistors. <i>Nature Communications</i> , 2016, 7, 10908.	5.8	423
13	Fabrication and Characterization of Flexible Thin Film Transistors on Thin Solution-Cast Substrates. , 2016, , .		2
14	ZnO thin film transistors for more than just displays. , 2015, , .		3
15	Flexible high-temperature dielectric materials from polymer nanocomposites. <i>Nature</i> , 2015, 523, 576-579.	13.7	1,476
16	High temperature coefficient of resistance molybdenum oxide and nickel oxide thin films for microbolometer applications. <i>Optical Engineering</i> , 2015, 54, 037101.	0.5	13
17	Structural origins of electrical asymmetries of ZnO vertical thin film transistors. , 2015, , .		0
18	Oxide Semiconductor Thin Film Transistors on Thin Solution-Cast Flexible Substrates. <i>IEEE Electron Device Letters</i> , 2015, 36, 35-37.	2.2	43

#	ARTICLE	IF	CITATIONS
19	Self-Aligned Electrodes on SU-8 Negative Photoresist Pedestals. Journal of Microelectromechanical Systems, 2014, 23, 508-510.	1.7	0
20	Potential for reactive pulsed-dc magnetron sputtering of nanocomposite VOx microbolometer thin films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2014, 32, .	0.9	6
21	Double-gate ZnO TFT active rectifier. , 2014, , .		0
22	Predicting the $J-V$ Curve in Organic Photovoltaics Using Impedance Spectroscopy. Advanced Energy Materials, 2014, 4, 1400499.	10.2	38
23	Trilayer ZnO Thin-Film Transistors With In Situ Al_2O_3 Passivation. IEEE Electron Device Letters, 2013, 34, 1400-1402.	2.2	12
24	Low-Voltage Double-Gate ZnO Thin-Film Transistor Circuits. IEEE Electron Device Letters, 2013, 34, 891-893.	2.2	31
25	Tri-layer PEALD ZnO thin film transistors and circuits. , 2013, , .		1
26	Electrical properties of plasma enhanced chemical vapor deposition a-Si:H and a-Si $_{1-x}$ C $_x$:H for microbolometer applications. Journal of Applied Physics, 2013, 114, 183705.	1.1	19
27	Micromachined diaphragm transducers for miniaturised ultrasound arrays. , 2012, , .		9
28	Low-voltage ZnO double-gate thin film transistor circuits. , 2012, , .		3
29	61.1: Invited Paper: ZnO Thin Film Transistors and Circuits on Flexible Polymeric Substrates by Low-Temperature PEALD. Digest of Technical Papers SID International Symposium, 2010, 41, 909.	0.1	0
30	Low-Temperature Pulsed-PECVD ZnO Thin-Film Transistors. Journal of Electronic Materials, 2010, 39, 554-558.	1.0	15
31	Fast PEALD ZnO Thin-Film Transistor Circuits. IEEE Transactions on Electron Devices, 2010, 57, 530-534.	1.6	86
32	Fast Flexible Plastic Substrate ZnO Circuits. IEEE Electron Device Letters, 2010, 31, 323-325.	2.2	66
33	Self-Aligned-Gate ZnO TFT Circuits. IEEE Electron Device Letters, 2010, 31, 326-328.	2.2	41
34	Flexible plastic substrate ZnO thin film transistor circuits. , 2009, , .		2
35	Self-aligned-gate PEALD ZnO TFT circuits. , 2009, , .		0
36	Effects of polymorphism on charge transport in organic semiconductors. Physical Review B, 2009, 80, .	1.1	137

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37	CMOS Ultrasound Transceiver Chip for High-Resolution Ultrasonic Imaging Systems. IEEE Transactions on Biomedical Circuits and Systems, 2009, 3, 293-303.	2.7	45
38	ZnO thin film transistors and circuits on glass and polyimide by low-temperature PEALD. , 2009, , .		8
39	Thin-film morphology and transistor performance of alkyl-substituted triethylsilylethynyl anthradithiophenes. Journal of Materials Chemistry, 2009, 19, 7984.	6.7	36
40	ZnO Thin Film, Device, and Circuit Fabrication using Low-Temperature PECVD Processes. Journal of Electronic Materials, 2008, 37, 755-759.	1.0	25
41	Non-relief Pattern Lithography Patterning of Solution Processed Organic Semiconductors. Advanced Materials, 2008, 20, 4145-4147.	11.1	16
42	Correlation between microstructure, electronic properties and flicker noise in organic thin film transistors. Applied Physics Letters, 2008, 92, 132103.	1.5	82
43	All-organic active matrix flexible display. Applied Physics Letters, 2006, 88, 083502.	1.5	541
44	Morphology and electrical transport in pentacene films on silylated oxide surfaces. Journal of Materials Research, 2004, 19, 2003-2007.	1.2	42