

Thomas N Jackson

List of Publications by Year in descending order

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28
papers

5,805
citations

331670

21
h-index

552781

26
g-index

30
all docs

30
docs citations

30
times ranked

6740
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible high-temperature dielectric materials from polymer nanocomposites. <i>Nature</i> , 2015, 523, 576-579.	27.8	1,476
2	Electric-field assisted assembly and alignment of metallic nanowires. <i>Applied Physics Letters</i> , 2000, 77, 1399-1401.	3.3	876
3	Organic Field-Effect Transistors from Solution-Deposited Functionalized Acenes with Mobilities as High as 1 cm ² /VÅ·s. <i>Journal of the American Chemical Society</i> , 2005, 127, 4986-4987.	13.7	735
4	High mobility solution processed 6,13-bis(triisopropyl-silylethynyl) pentacene organic thin film transistors. <i>Applied Physics Letters</i> , 2007, 91, .	3.3	542
5	Dielectric functions and optical bandgaps of high-K dielectrics for metal-oxide-semiconductor field-effect transistors by far ultraviolet spectroscopic ellipsometry. <i>Journal of Applied Physics</i> , 2002, 91, 4500-4505.	2.5	346
6	Contact resistance in organic thin film transistors. <i>Solid-State Electronics</i> , 2003, 47, 297-301.	1.4	337
7	Chromophore Fluorination Enhances Crystallization and Stability of Soluble Anthradithiophene Semiconductors. <i>Journal of the American Chemical Society</i> , 2008, 130, 2706-2707.	13.7	324
8	Template Synthesis of Metal Nanowires Containing Monolayer Molecular Junctions. <i>Journal of the American Chemical Society</i> , 2002, 124, 4020-4026.	13.7	198
9	Organic Single-Crystal Field-Effect Transistors of a Soluble Anthradithiophene. <i>Chemistry of Materials</i> , 2008, 20, 6733-6737.	6.7	178
10	Effects of polymorphism on charge transport in organic semiconductors. <i>Physical Review B</i> , 2009, 80, .	3.2	137
11	High-mobility spin-cast organic thin film transistors. <i>Applied Physics Letters</i> , 2008, 93, .	3.3	97
12	A reduced complexity process for organic thin film transistors. <i>Applied Physics Letters</i> , 2000, 76, 1692-1694.	3.3	85
13	Correlation between microstructure, electronic properties and flicker noise in organic thin film transistors. <i>Applied Physics Letters</i> , 2008, 92, 132103.	3.3	82
14	Controlling the Microstructure of Solution-Processable Small Molecules in Thin-Film Transistors through Substrate Chemistry. <i>Chemistry of Materials</i> , 2011, 23, 1194-1203.	6.7	67
15	ZnO Thin-Film Transistor Ring Oscillators with 31-ns Propagation Delay. <i>IEEE Electron Device Letters</i> , 2008, 29, 721-723.	3.9	59
16	Surface Potential Imaging of Solution Processable Acene-Based Thin Film Transistors. <i>Advanced Materials</i> , 2008, 20, 4513-4516.	21.0	46
17	Thin-film morphology and transistor performance of alkyl-substituted triethylsilylethynyl anthradithiophenes. <i>Journal of Materials Chemistry</i> , 2009, 19, 7984.	6.7	36
18	Polymeric Substrate Spin-Cast diF-TESADT OTFT Circuits. <i>IEEE Electron Device Letters</i> , 2008, 29, 1004-1006.	3.9	32

#	ARTICLE	IF	CITATIONS
19	Flexibility Testing Strategies and Apparatus for Flexible Electronics. IEEE Transactions on Electron Devices, 2016, 63, 1934-1939.	3.0	29
20	Offset Drain ZnO Thin-Film Transistors for High-Voltage Operation. IEEE Electron Device Letters, 2017, 38, 1047-1050.	3.9	22
21	Probing stress effects in single crystal organic transistors by scanning Kelvin probe microscopy. Applied Physics Letters, 2010, 96, .	3.3	18
22	Fast, smooth, and anisotropic etching of SiC using SF ₆ /Ar. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1999, 17, 2055.	1.6	17
23	Non-Relief Pattern Lithography Patterning of Solution Processed Organic Semiconductors. Advanced Materials, 2008, 20, 4145-4147.	21.0	16
24	Optical characterization of 4H-SiC by far ultraviolet spectroscopic ellipsometry. Applied Physics Letters, 2001, 79, 162-164.	3.3	4
25	Effect of Light Illumination on Threshold Voltage and Sub-threshold Slope of Amorphous Silicon Thin Film Transistors. Materials Research Society Symposia Proceedings, 2006, 910, 3.	0.1	1
26	High-Speed, Low-Temperature Integrated ZnO/Organic CMOS Circuits. , 2008, , .		1
27	ZnO pyroelectric thin film field-effect transistors. , 2009, , .		0
28	Drain-offset ZnO thin film transistors for high voltage operations. , 2016, , .		0