

Laurie E Calvet

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,041
citations

759233

12
h-index

552781

26
g-index

31
all docs

31
docs citations

31
times ranked

1061
citing authors

#	ARTICLE	IF	CITATIONS
1	Growth of a single freestanding multiwall carbon nanotube on each nanonickel dot. Applied Physics Letters, 1999, 75, 1086-1088.	3.3	391
2	Electronic transport through metal-1,4-phenylene diisocyanide-metal junctions. Chemical Physics Letters, 1999, 313, 741-748.	2.6	158
3	Growth and characterization of aligned carbon nanotubes from patterned nickel nanodots and uniform thin films. Journal of Materials Research, 2001, 16, 3246-3253.	2.6	69
4	Suppression of leakage current in Schottky barrier metal-oxide-semiconductor field-effect transistors. Journal of Applied Physics, 2002, 91, 757-759.	2.5	56
5	Electron transport measurements of Schottky barrier inhomogeneities. Applied Physics Letters, 2002, 80, 1761-1763.	3.3	55
6	Observation of the Linear Stark Effect in a Single Acceptor in Si. Physical Review Letters, 2007, 98, 096805.	7.8	48
7	Multi-island single-electron devices from self-assembled colloidal nanocrystal chains. Applied Physics Letters, 2006, 88, 143507.	3.3	44
8	Bayesian Inference With Muller C-Elements. IEEE Transactions on Circuits and Systems I: Regular Papers, 2016, 63, 895-904.	5.4	37
9	Conductive polymer based antenna for wireless green sensors Applications. Microelectronic Engineering, 2017, 182, 46-52.	2.4	35
10	Subthreshold and scaling of PtSi Schottky barrier MOSFETs. Superlattices and Microstructures, 2000, 28, 501-506.	3.1	29
11	On the Physical Behavior of Cryogenic IV and III-V Schottky Barrier MOSFET Devices. IEEE Transactions on Electron Devices, 2017, 64, 3808-3815.	3.0	28
12	A biocompatible and flexible polyimide for wireless sensors. Microsystem Technologies, 2017, 23, 5921-5929.	2.0	17
13	Spin Structures and Domain Walls in Multiferroics Spin Structures and Magnetic Domain Walls in Multiferroics. Ferroelectrics, 2012, 438, 79-88.	0.6	12
14	Fast ultra-deep silicon cavities: Toward isotropically etched spherical silicon molds using an ICP-DRIE. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2019, 37, 021206.	1.2	11
15	Fabrication of metallic oxide nanowires. Microelectronic Engineering, 2009, 86, 820-823.	2.4	8
16	Contrasting Advantages of Learning With Random Weights and Backpropagation in Non-Volatile Memory Neural Networks. IEEE Access, 2019, 7, 73938-73953.	4.2	8
17	Shot Noise Measurements in Diffusive Normal Metal-Superconductor (N-S) Junctions. Journal of Low Temperature Physics, 2000, 118, 671-678.	1.4	7
18	Transport spectroscopy of single Pt impurities in silicon using Schottky barrier MOSFETs. Journal of Physics Condensed Matter, 2008, 20, 374125.	1.8	7

#	ARTICLE	IF	CITATIONS
19	Magneto-electrical transport in V-patterned La _{0.7} Sr _{0.3} MnO ₃ nanostructures. Thin Solid Films, 2012, 520, 4600-4603.	1.8	3
20	Ultrathin junctions based on the LaSrMnO ₃ /Nb:SrTiO ₃ functional oxide interface. Thin Solid Films, 2016, 617, 82-85.	1.8	3
21	Dielectric characterization based on a printable resonant stub in air and a liquid environment. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1700138.	1.8	3
22	Low noise all-oxide magnetic tunnel junctions based on a La _{0.7} Sr _{0.3} MnO ₃ /Nb:SrTiO ₃ interface. Applied Physics Letters, 2017, 110, 082405.	3.3	3
23	Network theory of the bacterial ribosome. PLoS ONE, 2020, 15, e0239700.	2.5	3
24	Spiking Sensory Neurons for Analyzing Electrophysiological Data. ECS Journal of Solid State Science and Technology, 2020, 9, 115004.	1.8	3
25	Assembly of Molecular Nanomagnets Into Nanogap Electrodes by Dielectrophoresis. Journal of Nanoscience and Nanotechnology, 2012, 12, 8710-8714.	0.9	1
26	Simulation framework for barrier lowering in Schottky barrier MOSFETs. , 2017, , .		1
27	Electron-electron interactions in nano-patterned La _{0.3} Sr _{0.7} MnO ₃ thin films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2019, 37, .	2.1	1
28	Low temperature transport spectroscopy of defects using Schottky-barrier MOSFETs. Physica B: Condensed Matter, 2009, 404, 5136-5139.	2.7	0
29	Mark A. Reed (1955â€“2021). Nature Nanotechnology, 2022, , .	31.5	0