Laurie E Calvet

List of Publications by Year
in descending order

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	Mark A. Reed (1955â€“2021). Nature Nanotechnology, 2022, , .	31.5	0
2	Network theory of the bacterial ribosome. PLoS ONE, 2020, 15, e0239700.	2.5	3
3	Spiking Sensory Neurons for Analyzing Electrophysiological Data. ECS Journal of Solid State Science and Technology, 2020, 9, 115004.	1.8	3
4	Contrasting Advantages of Learning With Random Weights and Backpropagation in Non-Volatile Memory Neural Networks. IEEE Access, 2019, 7, 73938-73953.	4.2	8
5	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
6	Electron-electron interactions in nano-patterned La0.3Sr0.7MnO3 thin films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2019, 37, .	2.1	1
7	A biocompatible and flexible polyimide for wireless sensors. Microsystem Technologies, 2017, 23, 5921-5929.	2.0	17
8	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
9	Low noise all-oxide magnetic tunnel junctions based on a La0.7Sr0.3MnO3/Nb:SrTiO3interface. Applied Physics Letters, 2017, 110, 082405.	3.3	3
10	Simulation framework for barrier lowering in Schottky barrier MOSFETs. , 2017, , .		1
11	Conductive polymer based antenna for wireless green sensorsÂapplications. Microelectronic Engineering, 2017, 182, 46-52.	2.4	35
12	On the Physical Behavior of Cryogenic IV and IIIâ€“V Schottky Barrier MOSFET Devices. IEEE Transactions on Electron Devices, 2017, 64, 3808-3815.	3.0	28
13	Ultrathin junctions based on the LaSrMnO3/Nb:SrTiO3 functional oxide interface. Thin Solid Films, 2016, 617, 82-85.	1.8	3
14	Bayesian Inference With Muller C-Elements. IEEE Transactions on Circuits and Systems I: Regular Papers, 2016, 63, 895-904.	5.4	37
15	Assembly of Molecular Nanomagnets Into Nanogap Electrodes by Dielectrophoresis. Journal of Nanoscience and Nanotechnology, 2012, 12, 8710-8714.	0.9	1
16	Spin Structures and Domain Walls in Multiferroics Spin Structures and Magnetic Domain Walls in Multiferroics. Ferroelectrics, 2012, 438, 79-88.	0.6	12
17	Magneto-electrical transport in V-patterned La0.7Sr0.3MnO3 nanostructures. Thin Solid Films, 2012, 520, 4600-4603.	1.8	3
18	Fabrication of metallic oxide nanowires. Microelectronic Engineering, 2009, 86, 820-823.	2.4	8

#	Article	IF	Citations
19	Low temperature transport spectroscopy of defects using Schottky-barrier MOSFETs. Physica B: Condensed Matter, 2009, 404, 5136-5139.	2.7	0
20	Transport spectroscopy of single Pt impurities in silicon using Schottky barrier MOSFETs. Journal of Physics Condensed Matter, 2008, 20, 374125.	1.8	7
21	Observation of the Linear Stark Effect in a Single Acceptor in Si. Physical Review Letters, 2007, 98, 096805.	7.8	48
22	Multi-island single-electron devices from self-assembled colloidal nanocrystal chains. Applied Physics Letters, 2006, 88, 143507.	3.3	44
23	Suppression of leakage current in Schottky barrier metalâ€“oxideâ€“semiconductor field-effect transistors. Journal of Applied Physics, 2002, 91, 757-759.	2.5	56
24	Electron transport measurements of Schottky barrier inhomogeneities. Applied Physics Letters, 2002, 80, 1761-1763.	3.3	55
25	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
26	Subthreshold and scaling of PtSi Schottky barrier MOSFETs. Superlattices and Microstructures, 2000, 28, 501-506.	3.1	29
27	Shot Noise Measurements in Diffusive Normal Metal-Superconductor (N-S) Junctions. Journal of Low Temperature Physics, 2000, 118, 671-678.	1.4	7
28	Electronic transport through metalâ€“1,4-phenylene diisocyanideâ€“metal junctions. Chemical Physics Letters, 1999, 313, 741-748.	2.6	158
29	Growth of a single freestanding multiwall carbon nanotube on each nanonickel dot. Applied Physics Letters, 1999, 75, 1086-1088.	3.3	391