

Joule heating in nanowires

Physical Review B

84,

DOI: [10.1103/physrevb.84.054437](https://doi.org/10.1103/physrevb.84.054437)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Highly sensitive and selective hydrogen single-nanowire nanosensor. <i>Sensors and Actuators B: Chemical</i> , 2012, 173, 772-780.	4.0	149
2	Magnetic domain wall transfer via graphene mediated electrostatic control. <i>Applied Physics Letters</i> , 2012, 101, 013103.	1.5	3
3	Universal classes of magnetic-field- and electric-current-induced magnetic domain-wall dynamics in one and two dimensional regimes. <i>Current Applied Physics</i> , 2013, 13, 228-236.	1.1	11
4	Direct Imaging of Thermally Driven Domain Wall Motion in Magnetic Insulators. <i>Physical Review Letters</i> , 2013, 110, 177202.	2.9	124
5	Time-resolved imaging of nonlinear magnetic domain-wall dynamics in ferromagnetic nanowires. <i>Scientific Reports</i> , 2013, 3, .	1.6	21
6	Modified current-induced domain-wall motion in GaMnAs nanowires. <i>Physical Review B</i> , 2013, 88, .	1.1	7
7	Heat conduction model for nanowire applications. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	9
8	Interplay of spin-orbit torque and thermoelectric effects in ferromagnet/normal-metal bilayers. <i>Physical Review B</i> , 2014, 90, .	1.1	304
9	Electrodeposited nickel nanopillared structures for magnetoresistive sensors. , 2014, , .		0
10	Nonadiabatic spin-transfer torque of magnetic vortex structures in a permalloy square. <i>Physical Review B</i> , 2014, 89, .	1.1	15
11	Effect of DC current on tensile creep of pure tin. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 591, 97-104.	2.6	34
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13	Broadband spectroscopy of magnetic response in a nano-scale magnetic wire. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 364, 34-38.	1.0	3
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15	Non-adiabatic current densities, transitions, and power absorbed by a molecule in a time-dependent electromagnetic field. <i>Journal of Chemical Physics</i> , 2015, 143, 034102.	1.2	10
16	Driving large-velocity propagation of ferromagnetic $\langle i \rangle / 2$ domain walls in nanostripes of cubic-anisotropy materials. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 495001.	1.3	7
17	Thermal and electrical conductivity of approximately 100-nm permalloy, Ni, Co, Al, and Cu films and examination of the Wiedemann-Franz Law. <i>Physical Review B</i> , 2015, 92, .	1.1	70
18	Domain Wall Magnets for Embedded Memory and Hardware Security. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , 2015, 5, 40-50.	2.7	19

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21	Low-remanence criterion for helicity-dependent all-optical magnetic switching in ferrimagnets. <i>Physical Review B</i> , 2015, 91, .	1.1	43
22	Current induced antiferro-ferromagnetic transition in FeRh nanowires. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 073002.	0.8	14
23	Magnetic behavior of Joule-heated magnetic core-shell nanowires with positive magnetostrictive core material. <i>Applied Surface Science</i> , 2015, 352, 54-59.	3.1	0
24	On resistance overpotential-caused by a potential drop along the ultrathin high aspect ratio gold nanowire electrodes in cyclic voltammetry. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 3359-3365.	1.2	11
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28	Nickel/alumina nanocomposites by AC electrochemical processing. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	8
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31	Multiple electrical breakdowns and electrical annealing using high current approximating breakdown current of silver nanowire network. <i>Nanotechnology</i> , 2016, 27, 025703.	1.3	28
32	Highly sensitive detection and stochastic analysis of magnetization agitation induced in a single layered magnetic wire. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 401, 9-15.	1.0	1
33	Depinning process of magnetic domain walls in cylindrical nanowires with a chemical constraint. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 105001.	1.3	7
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39	Giant inductance in non-ohmic conductor. Applied Physics Express, 2017, 10, 081801.	1.1	8
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81	Joint reliability of Al wire bonding on OSP and ENIG surface-finished substrates under complex stress induced with current and temperature. <i>Journal of Materials Science: Materials in Electronics</i> , 0, , .	1.1	0
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