

Current-induced torques in magnetic materials

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Strong perpendicular magnetocrystalline anisotropy of bulk and the (001) surface of $\text{Dy}_{22}\text{Mn}_3\text{Ga}$: a density functional study. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 416003.	0.7	10
2	Voltage-gated modulation of domain wall creep dynamics in an ultrathin metallic ferromagnet. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	40
3	Precessional reversal in orthogonal spin transfer magnetic random access memory devices. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	30
4	Transport and semiclassical dynamics of coupled quantum dots interacting with a local magnetic moment. <i>Physical Review B</i> , 2012, 86, .	1.1	5
5	Parametric excitation of magnetization oscillations controlled by pure spin current. <i>Physical Review B</i> , 2012, 86, .	1.1	31
6	Temperature-controlled interlayer exchange coupling in strong/weak ferromagnetic multilayers: A thermomagnetic Curie switch. <i>Physical Review B</i> , 2012, 86, .	1.1	43
7	Thermally assisted spin-transfer torque magnetization reversal in uniaxial nanomagnets. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	23
8	Spin-Transfer and Exchange Torques in Ferromagnetic Superconductors. <i>Physical Review Letters</i> , 2012, 109, 237206.	2.9	20
9	Spin-Orbit-Coupling-Induced Domain-Wall Resistance in Diffusive Ferromagnets. <i>Physical Review Letters</i> , 2012, 109, 267201.	2.9	19
10	Spin-Orbit Coupling Induced Spin-Transfer Torque and Current Polarization in Topological-Insulator/Ferromagnet Vertical Heterostructures. <i>Physical Review Letters</i> , 2012, 109, 166602.	2.9	68
11	Spin caloritronics. <i>Nature Materials</i> , 2012, 11, 391-399.	13.3	1,490
12	Spintronics and pseudospintronics in graphene and topological insulators. <i>Nature Materials</i> , 2012, 11, 409-416.	13.3	934
13	New moves of the spintronics tango. <i>Nature Materials</i> , 2012, 11, 368-371.	13.3	249
15	Spin-transfer torque magnetization reversal in uniaxial nanomagnets with thermal noise. <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	19
16	Symmetry and magnitude of spin-orbit torques in ferromagnetic heterostructures. <i>Nature Nanotechnology</i> , 2013, 8, 587-593.	15.6	955
17	Microscopic derivation of spin-transfer torque in ferromagnets. <i>Physical Review B</i> , 2013, 88, .	1.1	11
18	Chiral domain walls move faster. <i>Nature Nanotechnology</i> , 2013, 8, 485-486.	15.6	37
19	Averaged equation for energy diffusion on a graph reveals bifurcation diagram and thermally assisted reversal times in spin-torque driven nanomagnets. <i>Journal of Applied Physics</i> , 2013, 113, 184105.	1.1	25

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21	Two-magnon scattering in permalloy thin films due to rippled substrates. Physical Review B, 2013, 88, .	1.1	58
22	Spin Pumping and Enhanced Gilbert Damping in Thin Magnetic Insulator Films. Physical Review Letters, 2013, 111, 097602.	2.9	54
23	All-spin nanomagnetic state elements. Applied Physics Letters, 2013, 103, .	1.5	11
25	Demonstration of bi-directional microwave-assisted magnetic reversal in synthetic ferrimagnets. Applied Physics Letters, 2013, 103, .	1.5	4
26	Temperature dependence of the switching field in all-perpendicular spin-valve nanopillars. Physical Review B, 2013, 88, .	1.1	11
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40	Synchronization of spin-torque-driven nano-oscillators for point contacts on a quasi-one-dimensional nanowire: Micromagnetic simulations. <i>Physical Review B</i> , 2013, 87, .	1.1	14
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45	Staggered Dynamics in Antiferromagnets by Collective Coordinates. <i>Physical Review Letters</i> , 2013, 110, 127208.	2.9	164
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50	Spin-transfer torques in helimagnets. <i>Physical Review B</i> , 2013, 87, .	1.1	20
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63	Room-temperature perpendicular magnetic anisotropy of MgO/Fe/MgO ultrathin films. Journal of Applied Physics, 2013, 114, .	1.1	21
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