stephane Mangin

List of Publications by Year in descending order

217 papers	8,204 citations	66343 42 h-index	54911 84 g-index
222 all docs	222 docs citations	222 times ranked	5889 citing authors

#	ARTICLE	IF	CITATIONS
1	Dzyaloshinskiiâ€“Moriya interaction determined from spin wave nonreciprocity and magnetic bubble asymmetry in Pt/Co/Ir/Co/Pt synthetic ferrimagnets. Journal of Physics Condensed Matter, 2022, 34, 085803.	1.8	2
2	Change in blocking temperature of nanoparticle array deposited on magnetoresistive sensor. Journal of Magnetism and Magnetic Materials, 2022, 551, 169096.	2.3	0
3	Role of spin-lattice coupling in ultrafast demagnetization and all optical helicity-independent single-shot switching in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Gd</mml:mi><mml:mrow><mml:mn>1</mml:mn> alloys. Physical Review B, 2022, 105, .	3.2	14
4	Light induced ultrafast magnetization dynamics in metallic compounds. Journal of Magnetism and Magnetic Materials, 2022, 560, 169596.	2.3	12
5	On/Off Ultraâ€Short Spin Current for Single Pulse Magnetization Reversal in a Magnetic Memory Using VO₂ Phase Transition. Advanced Electronic Materials, 2022, 8, .	5.1	6
6	Is terahertz emission a good probe of the spin current attenuation length?. Applied Physics Letters, 2022, 121, .	3.3	7
7	Temperature dependence of the energy barrier in X/1X nm shape-anisotropy magnetic tunnel junctions. Applied Physics Letters, 2021, 118, .	3.3	10
8	Generation of spin waves via spin-phonon interaction in a buried dielectric thin film. Physical Review B, 2021, 103, .	3.2	8
9	Ab Initio Study of Helicity-Dependent Light-Induced Demagnetization: From the Optical Regime to the Extreme Ultraviolet Regime. Nano Letters, 2021, 21, 1943-1947.	9.1	10
10	Currentâ€Induced Spin Torques on Single GdFeCo Magnetic Layers. Advanced Materials, 2021, 33, e2007047.	21.0	46
11	All-optical Helicity-Independent Switching State Diagram in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mi>Gd</mml:mi></mml:math> - <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mi>Fe</mml:mi></mml:math> - <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mi>Co</mml:mi>	3.8	23
12	Direct Imaging of Chiral Domain Walls and NÃ©elâ€Type Skyrmionium in Ferrimagnetic Alloys. Advanced Functional Materials, 2021, 31, 2102307.	14.9	16
13	Spin-transport Mediated Single-shot All-optical Magnetization Switching of Metallic Films. Journal of the Physical Society of Japan, 2021, 90, 081009.	1.6	12
14	Dynamic Symmetry Breaking in Chiral Magnetic Systems. Advanced Materials, 2021, 33, e2101524.	21.0	6
15	Dzyaloshinskii-Moriya interaction probed by magnetization reversal in bilayer Pt/Co/Ir/Co/Pt synthetic ferrimagnets. Physical Review B, 2021, 104, .	3.2	2
16	Effect of Fe/Fe₃O₄ Nanoparticles Stray Field on the Microwave Magnetoresistance of a CoFeB/Ta/CoFeB Synthetic Ferrimagnet. ACS Sensors, 2021, 6, 4315-4324.	7.8	5
17	Optically Induced Phase Change for Magnetoresistance Modulation. Advanced Quantum Technologies, 2020, 3, 1900104.	3.9	34
18	Energy Efficient Control of Ultrafast Spin Current to Induce Single Femtosecond Pulse Switching of a Ferromagnet. Advanced Science, 2020, 7, 2001996.	11.2	30

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19	Strong magnetocaloric effect induced by spin reorientation transitions in epitaxial Ho thin films. Physical Review B, 2020, 102, .	3.2	2
20	Current-driven transverse domain wall oscillations in perpendicular spin-valve structures. Physical Review B, 2020, 102, .	3.2	3
21	Engineering Single-Shot All-Optical Switching of Ferromagnetic Materials. Nano Letters, 2020, 20, 8654-8660.	9.1	37
22	Current-induced generation of skyrmions in Pt/Co/Os/Pt thin films. Physical Review B, 2020, 102, .	3.2	6
23	Reversible Switching of Interlayer Exchange Coupling through Atomically Thin VO2 via Electronic State Modulation. Matter, 2020, 2, 1582-1593.	10.0	202
24	Spinâ€“orbit torque switching of a ferromagnet with picosecond electrical pulses. Nature Electronics, 2020, 3, 680-686.	26.0	63
25	Role of induced exchange bias in zero field spinâ€“orbit torque magnetization switching in Pt/[Ni/Co]/PtMn. AIP Advances, 2020, 10, .	1.3	6
26	Determination of spin Hall angle, spin mixing conductance, and spin diffusion length in CoFeB/Ir for spin-orbitronic devices. Physical Review B, 2020, 102, .	3.2	35
27	Engineering the magnetocaloric properties of PrVO3 epitaxial oxide thin films by strain effects. Applied Physics Letters, 2020, 117, .	3.3	10
28	Opportunities and challenges for spintronics in the microelectronics industry. Nature Electronics, 2020, 3, 446-459.	26.0	471
29	Electronic and magnetic properties of the multiferroic TbMn2O5. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	1
30	Effect of the stray field of Fe/Fe3O4 nanoparticles on the surface of the CoFeB thin films. Applied Surface Science, 2020, 527, 146836.	6.1	9
31	Optoelectronic domain-wall motion for logic computing. Applied Physics Letters, 2020, 116, 252403.	3.3	5
32	Engineering Co₂MnAl_xSi_{1â^'}_x Heusler Compounds as a Model System to Correlate Spin Polarization, Intrinsic Gilbert Damping, and Ultrafast Demagnetization. Advanced Materials, 2020, 32, e1908357.	21.0	29
33	Large anisotropic magnetocaloric effect in all-sputtered epitaxial terbium thin films. Physical Review Materials, 2020, 4, .	2.4	2
34	Tailoring femtosecond hot-electron pulses for ultrafast spin manipulation. Applied Physics Letters, 2020, 117, .	3.3	4
35	Magnetization Reversal of Ferromagnetic CoFeB Films and CoFeB/Ta/CoFeB Heterostructures in the Stray Field of Fe/Fe3O4 Nanoparticles. Journal of Experimental and Theoretical Physics, 2020, 131, 607-617.	0.9	4
36	From Multiple- to Single-Pulse All-Optical Helicity-Dependent Switching in Ferromagnetic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mi>Co</mml:mi><mml:mo>/</mml:mo><mml:mi>Pt</mml:mi></mml:math> Multilayers. Physical Review Applied, 2019, 12, .	3.8	34

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37	Spinâ€Orbit Torque Switching of a Nearly Compensated Ferrimagnet by Topological Surface States. Advanced Materials, 2019, 31, e1901681.	21.0	81
38	Femtosecond Laser-Excitation-Driven High Frequency Standing Spin Waves in Nanoscale Dielectric Thin Films of Iron Garnets. Physical Review Letters, 2019, 123, 027202.	7.8	24
39	Resolving the role of magnetic circular dichroism in multishot helicity-dependent all-optical switching. Physical Review B, 2019, 100, .	3.2	17
40	Surface engineering of magnetic and mechanical properties of Ta/Pt/GdFeCo/IrMn/Pt heterostructures by femtosecond laser pulses. Applied Surface Science, 2019, 493, 470-477.	6.1	1
41	Damping of Standing Spin Waves in Bismuth-Substituted Yttrium Iron Garnet as Seen via the Time-Resolved Magneto-Optical Kerr Effect. Physical Review Applied, 2019, 12, .	3.8	16
42	Strain-Enhanced Charge-to-Spin Conversion in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mi>Ta</mml:mi><mml:mo>/</mml:mo><mml:mi>Fe</mml:mi><mml:mo>/</mml:mo><mml:mi>Pt</mml:mi></ Multilayers Grown on Flexible Mica Substrate. Physical Review Applied, 2019, 12, .	3.8	19
43	Controlling Allâ€Optical Helicityâ€Dependent Switching in Engineered Rareâ€Earth Free Synthetic Ferrimagnets. Advanced Science, 2019, 6, 1901876.	11.2	15
44	From single to multiple pulse all-optical switching in GdFeCo thin films. Physical Review B, 2019, 100, .	3.2	23
45	Influence of the magnetic field sweeping rate on magnetic transitions in synthetic ferrimagnets with perpendicular anisotropy. Applied Physics Letters, 2019, 114, .	3.3	10
46	Magnetic Properties and Magnetocaloric Effect in Gd100-xCox Thin Films. Crystals, 2019, 9, 278.	2.2	10
47	Ab initio study of electronic temperature effects on magnetic materials properties. Physical Review B, 2019, 99, .	3.2	4
48	Energy-Efficient Domain-Wall Motion Governed by the Interplay of Helicity-Dependent Optical Effect and Spin-Orbit Torque. Physical Review Applied, 2019, 11, .	3.8	13
49	Asymmetric Magnetization Switching in Perpendicular Magnetic Tunnel Junctions: Role of the Synthetic Antiferromagnetâ€™s Fringe Field. Physical Review Applied, 2019, 11, .	3.8	11
50	Coherent Resonant Tunneling through Double Metallic Quantum Well States. Nano Letters, 2019, 19, 3019-3026.	9.1	22
51	Domain-wall motion induced by spin transfer torque delivered by helicity-dependent femtosecond laser. Physical Review B, 2019, 99, .	3.2	7
52	Interaction of Magnetization Centers of Different Signs as the Cause of the Nonmonotonic Field Dependence of the Domain Wall Velocity in Synthetic Pt/Co/Ir/Co/Pt Ferrimagnets. Journal of Experimental and Theoretical Physics, 2019, 129, 998-1004.	0.9	0
53	Ab initio theory of magnetization induced by light absorption in ferromagnets. Physical Review B, 2019, 100, .	3.2	6
54	Evidence of a strong perpendicular magnetic anisotropy in Au/Co/MgO/GaN heterostructures. Nanoscale Advances, 2019, 1, 4466-4475.	4.6	5

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55	Evidence of Pure Spin-Current Generated by Spin Pumping in Interface-Localized States in Hybrid Metalâ€“Siliconâ€“Metal Vertical Structures. Nano Letters, 2019, 19, 90-99.	9.1	12
56	Synthesis of iron oxide films by reactive magnetron sputtering assisted by plasma emission monitoring. Materials Chemistry and Physics, 2019, 223, 360-365.	4.0	15
57	Increased energy efficiency spin-torque switching of magnetic tunnel junction devices with a higher order perpendicular magnetic anisotropy. Applied Physics Letters, 2019, 114, 012404.	3.3	6
58	Helicity-dependent all-optical domain wall motion in ferromagnetic thin films. Physical Review B, 2018, 97, .	3.2	53
59	Electrical Initialization of Electron and Nuclear Spins in a Single Quantum Dot at Zero Magnetic Field. Nano Letters, 2018, 18, 2381-2386.	9.1	16
60	Suppression of all-optical switching in He+â€‰-irradiated Co/Pt multilayers: influence of the domain-wall energy. Journal Physics D: Applied Physics, 2018, 51, 215004.	2.8	6
61	Relaxation dynamics of magnetization transitions in synthetic antiferromagnet with perpendicular anisotropy. Journal of Physics Condensed Matter, 2018, 30, 135804.	1.8	8
62	Competition between domain walls and the reverse magnetization in the magnetic relaxation of a Pt/Co/Ir/Co/Pt spin switcher. Physics of the Solid State, 2018, 60, 75-78.	0.6	0
63	Engineered Gd-Co based multilayer stack to enhanced magneto-caloric effect and relative cooling power. Journal of Applied Physics, 2018, 123, .	2.5	8
64	Spin-orbit torque-induced switching in ferrimagnetic alloys: Experiments and modeling. Applied Physics Letters, 2018, 112, .	3.3	69
65	Effect of Co layer thickness on magnetic relaxation in Pt/Co/Ir/Co/Pt/GaAs spin valve. Journal of Magnetism and Magnetic Materials, 2018, 459, 33-36.	2.3	5
66	Atomic-scale understanding of high thermal stability of the Mo/CoFeB/MgO spin injector for spin-injection in remanence. Nanoscale, 2018, 10, 10213-10220.	5.6	16
67	Spin transfer torque magnetization reversal in a hard/soft composite structures. AIP Advances, 2018, 8, 015024.	1.3	0
68	Towards Thermal Reading of Magnetic States in Hall Crosses. Physical Review Applied, 2018, 9, .	3.8	1
69	Picosecond acoustic-excitation-driven ultrafast magnetization dynamics in dielectric Bi-substituted yttrium iron garnet. Physical Review B, 2018, 98, .	3.2	34
70	Magnetic Configurations and State Diagram of Nanoring Magnetic Tunnel Junctions. Physical Review Applied, 2018, 10, .	3.8	7
71	Creation of Magnetic Skyrmion Bubble Lattices by Ultrafast Laser in Ultrathin Films. Nano Letters, 2018, 18, 7362-7371.	9.1	103
72	Frequency dependence of the longitudinal spin Seebeck effect. Physical Review B, 2018, 98, .	3.2	4

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73	Singleâ€Shot Multiâ€Level Allâ€Optical Magnetization Switching Mediated by Spin Transport. Advanced Materials, 2018, 30, e1804004.	21.0	69
74	Co - Fe - B/MgO/Ge Spin Photodiode Operating at Telecommunication Wavelength with Zero Applied Magnetic Field. Physical Review Applied, 2018, 10, .	3.8	5
75	Independence of spin-orbit torques from the exchange bias direction in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">N</mml:mi><mml:msub><mml:mi mathvariant="normal">i</mml:mi><mml:mn>81</mml:mn></mml:msub><mml:mi mathvariant="normal">F</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mn>19</mml:mn></mml:msub><mml:mo>/</mml:mo><mml:mi>IrMn</mml:mi></mml:mrow>	3.2	35
76	Thermal Contribution to the Spin-Orbit Torque in Metallic-Ferrimagnetic Systems. Physical Review Applied, 2018, 9, .	3.8	52
77	Statistical study of domain-wall depinning induced by magnetic field and current in an epitaxial Co/Ni-based spin-valve wire. Physical Review B, 2018, 98, .	3.2	7
78	Nonmonotonic aftereffect measurements in perpendicular synthetic ferrimagnets. Physical Review B, 2018, 98, .	3.2	15
79	Quenching of Spin Polarization Switching in Organic Multiferroic Tunnel Junctions by Ferroelectric â€œAiling-Channelâ€•in Organic Barrier. ACS Applied Materials & Interfaces, 2018, 10, 30614-30622.	8.0	14
80	Hot-electron transport and ultrafast magnetization dynamics in magnetic multilayers and nanostructures following femtosecond laser pulse excitation. European Physical Journal B, 2018, 91, 1.	1.5	19
81	Co/Ni multilayers for spintronics: High spin polarization and tunable magnetic anisotropy. Physical Review Materials, 2018, 2, .	2.4	28
82	Materials and devices for all-optical helicity-dependent switching. Journal Physics D: Applied Physics, 2017, 50, 133002.	2.8	43
83	Magnetic field and temperature control over Pt/Co/Ir/Co/Pt multistate magnetic logic device. Superlattices and Microstructures, 2017, 104, 509-517.	3.1	15
84	Magnetization switching diagram of a perpendicular synthetic ferrimagnet CoFeB/Ta/CoFeB bilayer. Journal of Magnetism and Magnetic Materials, 2017, 433, 91-97.	2.3	28
85	Perpendicularly magnetized CoFeB multilayers with tunable interlayer exchange for synthetic ferrimagnets. Journal of Magnetism and Magnetic Materials, 2017, 432, 260-265.	2.3	9
86	Electrical spin injection and detection in molybdenum disulfide multilayer channel. Nature Communications, 2017, 8, 14947.	12.8	63
87	Remote microwave monitoring of magnetization switching in CoFeB/Ta/CoFeB spin logic device. Applied Physics Letters, 2017, 110, .	3.3	8
88	Electrical transport properties of black phosphorus based field-effect transistor with Au/Co/MgO tunneling contacts. Journal of Applied Physics, 2017, 122, 164301.	2.5	7
89	Comparison between Ir, Ir0.85Rh0.15 and Ir0.7Rh0.3 thin films as electrodes for surface acoustic waves applications above 800 Â°C in air atmosphere. Sensors and Actuators A: Physical, 2017, 266, 211-218.	4.1	11
90	Manipulating exchange bias using all-optical helicity-dependent switching. Physical Review B, 2017, 96, .	3.2	19

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91	Ultrafast Magnetization Manipulation Using Single Femtosecond Light and Hotâ€Electron Pulses. Advanced Materials, 2017, 29, 1703474.	21.0	75
92	The 2017 Magnetism Roadmap. Journal Physics D: Applied Physics, 2017, 50, 363001.	2.8	279
93	Magnetic aftereffects in CoFeB/Ta/CoFeB spin valves of large area. Physical Review B, 2017, 96, .	3.2	7
94	Ferromagnetic resonance of CoFeB/Ta/CoFeB spin valves versus CoFeB film. Thin Solid Films, 2017, 640, 8-13.	1.8	5
95	Microwave response to the magnetization switching of CoFeB/Ta/CoFeB spin valves and CoFeB films. Physics of the Solid State, 2017, 59, 1947-1951.	0.6	0
96	Bias Dependence of the Electrical Spin Injection into GaAs from <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Co</mml:mi><mml:mtext>â^'</mml:mtext><mml:mi>Fe</mml:mi><mml:mtext>â^'</mml:mtext><mml:mi mathvariant="normal">B</mml:mi><mml:mo>/</mml:mo><mml:mi>MgO</mml:mi></mml:mrow></mml:math> Injectors with Different MgO Growth Processes. Physical Review Applied, 2017, 8, .	3.8	11
97	Inversion of the domain wall propagation in synthetic ferrimagnets. Applied Physics Letters, 2017, 111, .	3.3	9
98	Effect of spin transfer torque on domain wall motion regimes in [Co/Ni] superlattice wires. Physical Review B, 2017, 95, .	3.2	6
99	Tunable magneto-caloric effect in Gd1â^'xTbx heterostructures thin film. Journal of Magnetism and Magnetic Materials, 2017, 443, 1-3.	2.3	7
100	State diagram of a perpendicular magnetic tunnel junction driven by spin transfer torque: A power dissipation approach. Journal of Magnetism and Magnetic Materials, 2017, 428, 293-299.	2.3	5
101	Influence of the Cr and Ni concentration in CoCr and CoNi alloys on the structural and magnetic properties. Journal of Magnetism and Magnetic Materials, 2017, 422, 391-396.	2.3	13
102	Ferromagnetic resonance in monocrystalline spin valves CoFeB/Ta/CoFeB and CoFeB films with perpendicular magnetic anisotropy. Physics of the Solid State, 2017, 59, 1553-1557.	0.6	1
103	Very efficient electrical spin injection (/detection) into quantum dots at zero magnetic field. , 2017, , .		0
104	Current-Induced Pinwheel Oscillations in Perpendicular Magnetic Anisotropy Spin Valve Nanopillars. IEEE Transactions on Magnetics, 2016, 52, 1-5.	2.1	7
105	Electrical characterization of all-optical helicity-dependent switching in ferromagnetic Hall crosses. Applied Physics Letters, 2016, 108, .	3.3	52
106	Large exchange-dominated domain wall velocities in antiferromagnetically coupled nanowires. AIP Advances, 2016, 6, .	1.3	10
107	Origins of large light induced voltage in magnetic tunnel junctions grown on semiconductor substrates. Journal of Applied Physics, 2016, 119, 023907.	2.5	3
108	Electrical spin injection into GaAs based light emitting diodes using perpendicular magnetic tunnel junction-type spin injector. Applied Physics Letters, 2016, 108, .	3.3	30

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109	Torque magnetometry of perpendicular anisotropy exchange-spring heterostructures. Journal of Applied Physics, 2016, 120, 013903.	2.5	1
110	Hot-Electron-Induced Ultrafast Demagnetization in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Co</mml:mi><mml:mo>/</mml:mo><mml:mi>Pt</mml:mi></mml:mrow></mml:math>Multilaye Physical Review Letters, 2016, 117, 147203.	7.8	101
111	Ferroelectric Control of Organic/Ferromagnetic Spinterface. Advanced Materials, 2016, 28, 10204-10210.	21.0	55
112	Two types of all-optical magnetization switching mechanisms using femtosecond laser pulses. Physical Review B, 2016, 94, .	3.2	134
113	Domain size criterion for the observation of all-optical helicity-dependent switching in magnetic thin films. Physical Review B, 2016, 94, .	3.2	66
114	Control and generation of domain walls near magnetic compensation in ferrimagnetic CoTb via applied thermal gradient. , 2015, , .		0
115	Long-Range Phase Coherence in Double-Barrier Magnetic Tunnel Junctions with a Large Thick Metallic Quantum Well. Physical Review Letters, 2015, 115, 157204.	7.8	37
116	Mapping motion of antiferromagnetic interfacial uncompensated magnetic moment in exchange-biased bilayers. Scientific Reports, 2015, 5, 9183.	3.3	24
117	Laser powered magnetic-random access memory. , 2015, , .		0
118	Thermally activated domain wall motion in [Co/Ni](111) superlattices with perpendicular magnetic anisotropy. , 2015, , .		0
119	Thermally activated domain wall motion in [Co/Ni](111) superlattices with perpendicular magnetic anisotropy. Applied Physics Letters, 2015, 106, .	3.3	12
120	Spin light emitting diode with CoFeB/MgO spin injector. , 2015, , .		0
121	All-optical control of ferromagnetic thin films and nanostructures: Competition between polarized light and applied magnetic field. , 2015, , .		0
122	Generation and manipulation of domain walls using a thermal gradient in a ferrimagnetic TbCo wire. Applied Physics Letters, 2015, 106, .	3.3	16
123	Kerr and Faraday microscope for space- and time-resolved studies. European Physical Journal B, 2014, 87, 1.	1.5	1
124	Subpicosecond magnetization dynamics in TbCo alloys. Physical Review B, 2014, 89, .	3.2	50
125	Temperature dependent nucleation, propagation, and annihilation of domain walls in all-perpendicular spin-valve nanopillars. Journal of Applied Physics, 2014, 115, 113910.	2.5	6
126	Electrical spin injection into InGaAs/GaAs quantum wells: A comparison between MgO tunnel barriers grown by sputtering and molecular beam epitaxy methods. Applied Physics Letters, 2014, 105, 012404.	3.3	24

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127	Engineered materials for all-optical helicity-dependent magnetic switching. Nature Materials, 2014, 13, 286-292.	27.5	507
128	Dynamics of spin torque switching in all-perpendicular spin valve nanopillars. Journal of Magnetism and Magnetic Materials, 2014, 358-359, 233-258.	2.3	84
129	Switching field distributions with spin transfer torques in perpendicularly magnetized spin-valve nanopillars. Physical Review B, 2014, 89, .	3.2	12
130	Large and robust electrical spin injection into GaAs at zero magnetic field using an ultrathin CoFeB/MgO injector. Physical Review B, 2014, 90, .	3.2	56
131	All-optical control of ferromagnetic thin films and nanostructures. Science, 2014, 345, 1337-1340.	12.6	524
132	Reversal mechanism, switching field distribution, and dipolar frustrations in Co/Pt bit pattern media based on auto-assembled anodic alumina hexagonal nanobump arrays. Physical Review B, 2014, 89, .	3.2	36
133	Bimodal switching field distributions in all-perpendicular spin-valve nanopillars. Journal of Applied Physics, 2014, 115, 17C707.	2.5	6
134	Investigating the role of superdiffusive currents in laser induced demagnetization of ferromagnets with nanoscale magnetic domains. Scientific Reports, 2014, 4, 4658.	3.3	38
135	Magnetic anisotropy modified by electric field in V/Fe/MgO(001)/Fe epitaxial magnetic tunnel junction. Applied Physics Letters, 2013, 103, .	3.3	79
136	Temperature dependence of the switching field in all-perpendicular spin-valve nanopillars. Physical Review B, 2013, 88, .	3.2	11
137	The Influence of Magnetic Anisotropy on Current-Induced Spindynamics. Springer Tracts in Modern Physics, 2013, , 1-35.	0.1	1
138	Signature of magnetization dynamics in spin-transfer-driven nanopillars with tilted easy axis. Applied Physics Letters, 2013, 102, .	3.3	9
139	Quantifying perpendicular magnetic anisotropy at the Fe-MgO(001) interface. Applied Physics Letters, 2013, 102, .	3.3	83
140	Energy-resolved magnetic domain imaging in TbCo alloys by valence band photoemission magnetic circular dichroism. Physical Review B, 2013, 88, .	3.2	5
141	Separation of low- and high-temperature contributions to the exchange bias in Ni<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>81</mml:mn></mml:msub></mml:math>Fe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>19</mml:mn></mml:msub></mml:math>-NiO thin films. Physical Review B, 2013, 88, .	3.2	16
142	Domain wall motion in nanopillar spin-valves with perpendicular anisotropy driven by spin-transfer torques. Physical Review B, 2012, 86, .	3.2	9
143	Asymmetric magnetization reversal in dipolarly coupled spin valve structures with perpendicular magnetic anisotropy. Physical Review B, 2012, 85, .	3.2	18
144	State diagram of nanopillar spin valves with perpendicular magnetic anisotropy. Physical Review B, 2012, 86, .	3.2	25

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145	Co/Ni(111) superlattices studied by microscopy, x-ray absorption, andab initiocalculations. Physical Review B, 2012, 86, .	3.2	45
146	Asymmetric switching behavior in perpendicularly magnetized spin-valve nanopillars due to the polarizer dipole field. Applied Physics Letters, 2012, 100, 062404.	3.3	25
147	Light-induced magnetization reversal of high-anisotropy TbCo alloy films. Applied Physics Letters, 2012, 101, .	3.3	158
148	Magnetoresistive effects in perpendicularly magnetized Tb-Co alloy based thin films and spin valves. Journal of Applied Physics, 2012, 111, .	2.5	42
149	Giant spin-dependent thermoelectric effect in magnetic tunnel junctions. Nature Communications, 2012, 3, 744.	12.8	111
150	Periodic arrays of magnetic nanostructures by depositing Co/Pt multilayers on the barrier layer of ordered anodic alumina templates. Applied Physics Letters, 2012, 101, .	3.3	25
151	Time-resolved magnetic relaxation of a nanomagnet on subnanosecond time scales. Physical Review B, 2012, 85, .	3.2	19
152	Torque approach for tuning exchange bias training effect in polycrystalline NiFe/FeMn bilayers. Applied Physics Letters, 2011, 98, 122507.	3.3	15
153	Spin-transfer-torque reversal in perpendicular anisotropy spin valves with composite free layers. Applied Physics Letters, 2011, 99, .	3.3	31
154	Effect of microwave irradiation on spin-torque-driven magnetization precession in nanopillars with magnetic perpendicular anisotropy. Physical Review B, 2011, 83, .	3.2	13
155	Current-induced magnetization reversal in terms of power dissipation. Physical Review B, 2011, 84, .	3.2	8
156	Composition-controlled exchange bias training effect in FeCr/IrMn bilayers. European Physical Journal B, 2011, 84, 173-176.	1.5	5
157	X-Ray Diffraction Microscopy of Magnetic Structures. Physical Review Letters, 2011, 107, 033904.	7.8	44
158	Nonuniform switching of the perpendicular magnetization in a spin-torque-driven magnetic nanopillar. Physical Review B, 2011, 83, .	3.2	45
159	Ultrafast spin-transfer switching in spin valve nanopillars with perpendicular anisotropy. Applied Physics Letters, 2010, 96, .	3.3	89
160	Current Induced Switching of the Hard Layer in Perpendicular Magnetic Nanopillars. IEEE Transactions on Magnetics, 2010, 46, 2328-2330.	2.1	3
161	Cumulative minor loop growth in Co/Pt and Co/Pd multilayers. Physical Review B, 2010, 82, .	3.2	45
162	Tuneable perpendicular magnetic anisotropy in single crystal [Co/Ni](111) superlattices. IOP Conference Series: Materials Science and Engineering, 2010, 12, 012018.	0.6	12

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163	Magnetic susceptibility measurements as a probe of spin transfer driven magnetization dynamics. Applied Physics Letters, 2010, 96, .	3.3	19
164	Spin-transfer pulse switching: From the dynamic to the thermally activated regime. Applied Physics Letters, 2010, 97, .	3.3	128
165	Perpendicular spin-torque switching with a synthetic antiferromagnetic reference layer. Applied Physics Letters, 2010, 96, .	3.3	36
166	Switching probability in all-perpendicular spin valves. , 2010, , .		0
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