

Thibaut Devolder

List of Publications by Year in descending order

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papers

6,322
citations

81900

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179
all docs

179
docs citations

179
times ranked

4150
citing authors

#	ARTICLE	IF	CITATIONS
1	Planar Patterned Magnetic Media Obtained by Ion Irradiation. <i>Science</i> , 1998, 280, 1919-1922.	12.6	736
2	Interfacial Dzyaloshinskii-Moriya interaction in perpendicularly magnetized Pt/Co/AlO _x films measured by Brillouin light spectroscopy. <i>Physical Review B</i> , 2015, 91, .		
3	Strain-controlled magnetic domain wall propagation in hybrid piezoelectric/ferromagnetic structures. <i>Nature Communications</i> , 2013, 4, 1378.	12.8	237
4	Single-Shot Time-Resolved Measurements of Nanosecond-Scale Spin-Transfer Induced Switching: Stochastic Versus Deterministic Aspects. <i>Physical Review Letters</i> , 2008, 100, 057206.	7.8	219
5	Current-Driven Vortex Oscillations in Metallic Nanocontacts. <i>Physical Review Letters</i> , 2008, 100, 257201.	7.8	209
6	Failure and reliability analysis of STT-MRAM. <i>Microelectronics Reliability</i> , 2012, 52, 1848-1852.	1.7	192
7	Study of the dynamic magnetic properties of soft CoFeB films. <i>Journal of Applied Physics</i> , 2006, 100, 053903.	2.5	173
8	Spin wave contributions to the high-frequency magnetic response of thin films obtained with inductive methods. <i>Journal of Applied Physics</i> , 2004, 95, 5646-5652.	2.5	156
9	Sub-50 nm planar magnetic nanostructures fabricated by ion irradiation. <i>Applied Physics Letters</i> , 1999, 74, 3383-3385.	3.3	133
10	Light ion irradiation of Co/Pt systems: Structural origin of the decrease in magnetic anisotropy. <i>Physical Review B</i> , 2000, 62, 5794-5802.	3.2	128
11	Damping of Co ₉₀ Fe ₁₀ ultrathin films with perpendicular magnetic anisotropy. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	126
12	Current-driven microwave oscillations in current perpendicular-to-plane spin-valve nanopillars. <i>Applied Physics Letters</i> , 2006, 88, 192507.	3.3	114
13	Vector network analyzer ferromagnetic resonance of thin films on coplanar waveguides: Comparison of different evaluation methods. <i>Journal of Applied Physics</i> , 2007, 101, 074505.	2.5	112
14	Domain wall displacement induced by subnanosecond pulsed current. <i>Applied Physics Letters</i> , 2004, 84, 2820-2822.	3.3	104
15	Design considerations and strategies for high-reliable STT-MRAM. <i>Microelectronics Reliability</i> , 2011, 51, 1454-1458.	1.7	99
16	Commensurability and chaos in magnetic vortex oscillations. <i>Nature Physics</i> , 2012, 8, 682-687.	16.7	91
17	Low depinning fields in Ta-CoFeB-MgO ultrathin films with perpendicular magnetic anisotropy. <i>Applied Physics Letters</i> , 2013, 103, 182401.	3.3	90
18	Probing the Dzyaloshinskii-Moriya interaction in CoFeB ultrathin films using domain wall creep and Brillouin light spectroscopy. <i>Physical Review B</i> , 2016, 94, .	3.2	84

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19	Modifications of magnetic properties of Pt/Co/Pt thin layers by focused gallium ion beam irradiation. Journal of Applied Physics, 2002, 91, 3103-3110.	2.5	77
20	Electrical Modeling of Stochastic Spin Transfer Torque Writing in Magnetic Tunnel Junctions for Memory and Logic Applications. IEEE Transactions on Magnetics, 2013, 49, 4375-4378.	2.1	74
21	Enhanced interface perpendicular magnetic anisotropy in electrodeposited Co/Au(111) layers. Physical Review B, 2001, 63, .	3.2	71
22	Self-Enabled "Error-Free" Switching Circuit for Spin Transfer Torque MRAM and Logic. IEEE Transactions on Magnetics, 2012, 48, 2403-2406.	2.1	71
23	Magnetic properties of He ⁺ -irradiated Pt/Co/Pt ultrathin films. Physical Review B, 2001, 64, .	3.2	69
24	Direct evidence for minority spin gap in the $C_{2o}Mn_2$ Heusler compound. Physical Review B, 2016, 93, .	3.2	65
25	All electrical propagating spin wave spectroscopy with broadband wavevector capability. Applied Physics Letters, 2016, 109, .	3.3	64
26	Quantized spin-wave modes in magnetic tunnel junction nanopillars. Physical Review B, 2010, 81, .	3.2	63
27	Subnanosecond magnetization reversal in magnetic nanopillars by spin angular momentum transfer. Applied Physics Letters, 2004, 85, 5358-5360.	3.3	61
28	Agility of vortex-based nanocontact spin torque oscillators. Applied Physics Letters, 2009, 95, .	3.3	60
29	Anion effect in Co/Au(111) electrodeposition: structure and magnetic behavior. Applied Surface Science, 2000, 164, 22-28.	6.1	56
30	Time-resolved zero field vortex oscillations in point contacts. Applied Physics Letters, 2009, 95, .	3.3	50
31	Dynamic compact model of Spin-Transfer Torque based Magnetic Tunnel Junction (MTJ). , 2009, , .		50
32	Time-resolved spin-torque switching in MgO-based perpendicularly magnetized tunnel junctions. Physical Review B, 2016, 93, .	3.2	50
33	Reconfigurable submicrometer spin-wave majority gate with electrical transducers. Science Advances, 2020, 6, .	10.3	50
34	Imaging non-collinear antiferromagnetic textures via single spin relaxometry. Nature Communications, 2021, 12, 767.	12.8	49
35	Nanoscale domain wall devices with magnetic tunnel junction read and write. Nature Electronics, 2021, 4, 392-398.	26.0	46
36	Magnetization switching by spin torque using subnanosecond current pulses assisted by hard axis magnetic fields. Applied Physics Letters, 2006, 88, 152502.	3.3	43

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37	Distribution of the magnetization reversal duration in subnanosecond spin-transfer switching. <i>Physical Review B</i> , 2007, 75, .	3.2	42
38	Direct experimental measurement of phase-amplitude coupling in spin torque oscillators. <i>Applied Physics Letters</i> , 2010, 97, .	3.3	41
39	Controlling magnetic domain wall motion in the creep regime in He ⁺ -irradiated CoFeB/MgO films with perpendicular anisotropy. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	41
40	Magnetization reversal in irradiation-fabricated nanostructures. <i>Journal of Applied Physics</i> , 2000, 87, 8671-8681.	2.5	40
41	Size dependence of nanosecond-scale spin-torque switching in perpendicularly magnetized tunnel junctions. <i>Physical Review B</i> , 2016, 93, .	3.2	40
42	Irradiation-induced tailoring of the magnetism of CoFeB/MgO ultrathin films. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	39
43	Impact of Ta and W-based spacers in double MgO STT-MRAM free layers on perpendicular anisotropy and damping. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	37
44	Analytical solution for precessional magnetization switching in exchange biased high perpendicular anisotropy nanostructures. <i>Journal Physics D: Applied Physics</i> , 2006, 39, 1-5.	2.8	36
45	Frequency shift keying in vortex-based spin torque oscillators. <i>Journal of Applied Physics</i> , 2011, 109, 083940.	2.5	36
46	Exchange stiffness in ultrathin perpendicularly magnetized CoFeB layers determined using the spectroscopy of electrically excited spin waves. <i>Journal of Applied Physics</i> , 2016, 120, .	2.5	36
47	Morphology and magnetic properties of Pt/Co/Pt sandwiches grown by argon sputter deposition. <i>Journal of Magnetism and Magnetic Materials</i> , 2003, 260, 295-304.	2.3	35
48	Beam-induced magnetic property modifications: Basics, nanostructure fabrication and potential applications. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2001, 175-177, 375-381.	1.4	34
49	Temperature study of the spin-transfer switching speed from dc to 100ps. <i>Journal of Applied Physics</i> , 2005, 98, 053904.	2.5	34
50	Instability threshold versus switching threshold in spin-transfer-induced magnetization switching. <i>Physical Review B</i> , 2005, 71, .	3.2	34
51	Ion beam induced magnetic nanostructure patterning. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1999, 148, 872-879.	1.4	33
52	X-ray absorption analysis of sputter-grown Co/Pt stackings before and after helium irradiation. <i>European Physical Journal B</i> , 2001, 22, 193-201.	1.5	32
53	Precharging strategy to accelerate spin-transfer switching below the nanosecond. <i>Applied Physics Letters</i> , 2005, 86, 062505.	3.3	32
54	Temperature Dependences of the Resistivity and the Ferromagnetic Resonance Linewidth in Permalloy Thin Films. <i>IEEE Transactions on Magnetics</i> , 2006, 42, 3323-3325.	2.1	30

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55	Compositional dependence of the magnetic properties of epitaxial FeV/MgO thin films. Applied Physics Letters, 2013, 103, .	3.3	29
56	Patterning of planar magnetic nanostructures by ion irradiation. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1999, 17, 3177.	1.6	28
57	Integration of Spin-RAM technology in FPGA circuits. , 2006, , .		27
58	Subnanosecond spin-transfer switching: Comparing the benefits of free-layer or pinned-layer biasing. Physical Review B, 2007, 75, .	3.2	27
59	Size dependence of spin-torque switching in perpendicular magnetic tunnel junctions. Applied Physics Letters, 2018, 113, .	3.3	26
60	Real-time Hall-effect detection of current-induced magnetization dynamics in ferrimagnets. Nature Communications, 2021, 12, 656.	12.8	26
61	Auto-oscillation and narrow spectral lines in spin-torque oscillators based on MgO magnetic tunnel junctions. Journal of Applied Physics, 2009, 106, 103921.	2.5	25
62	Magnetic phase diagrams of He ion-irradiated Pt/Co/Pt ultrathin films. Journal Physics D: Applied Physics, 2003, 36, 3103-3108.	2.8	24
63	Spin transfer oscillators emitting microwave in zero applied magnetic field. Journal of Applied Physics, 2007, 101, 063916.	2.5	24
64	Open-Circuit One-Port Network Analyzer Ferromagnetic Resonance. IEEE Transactions on Magnetics, 2008, 44, 3265-3268.	2.1	24
65	Chaos in Magnetic Nanocontact Vortex Oscillators. Physical Review Letters, 2019, 123, 147701.	7.8	24
66	Precessional switching of thin nanomagnets: analytical study. European Physical Journal B, 2003, 36, 57-64.	1.5	22
67	Measurement of magnetization using domain compressibility in CoFeB films with perpendicular anisotropy. Applied Physics Letters, 2014, 104, .	3.3	22
68	Material Developments and Domain Wall-Based Nanosecond-Scale Switching Process in Perpendicularly Magnetized STT-MRAM Cells. IEEE Transactions on Magnetics, 2018, 54, 1-9.	2.1	22
69	Vortex nucleation in spin-torque nanocontact oscillators. Applied Physics Letters, 2010, 97, 072512.	3.3	21
70	Understanding Nanoscale Temperature Gradients in Magnetic Nanocontacts. Physical Review Letters, 2012, 109, 267205.	7.8	21
71	Spin-Wave Emission by Spin-Orbit-Torque Antennas. Physical Review Applied, 2018, 10, .	3.8	21
72	Inductive measurement of the high frequency permeability of a Permalloy thin film. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 290-292.	2.3	20

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73	Micromagnetic simulation on effect of oersted field and hard axis field in spin transfer torque switching. Journal Physics D: Applied Physics, 2007, 40, 1261-1267.	2.8	20
74	Configuration and temperature dependence of magnetic damping in spin valves. Journal of Applied Physics, 2011, 110, .	2.5	20
75	Cell writing selection when using precessional switching in a magnetic random access memory. Journal of Applied Physics, 2004, 95, 1933-1941.	2.5	19
76	Spin torque switching and scaling in synthetic antiferromagnet free layers with in-plane magnetization. Journal of Applied Physics, 2012, 111, .	2.5	19
77	Propagation of magnetic vortices using nanocontacts as tunable attractors. Nature Nanotechnology, 2014, 9, 121-125.	31.5	19
78	Back hopping in spin transfer torque switching of perpendicularly magnetized tunnel junctions. Physical Review B, 2020, 102, .	3.2	19
79	Spin-torque switching window, thermal stability, and material parameters of MgO tunnel junctions. Applied Physics Letters, 2011, 98, 162502.	3.3	18
80	Chain of magnetic tunnel junctions as a spintronic memristor. Journal of Applied Physics, 2018, 124, .	2.5	18
81	Issues in growing Heusler compounds in thin films for spintronic applications. Journal of Applied Physics, 2020, 128, 241102.	2.5	18
82	Magnetic anisotropy of epitaxial MgO $\hat{\cdot}$ Fe $\hat{\cdot}$ MgO films studied by network analyzer ferromagnetic resonance. Journal of Applied Physics, 2005, 98, 023901.	2.5	17
83	Auto-oscillation threshold and line narrowing in MgO-based spin-torque oscillators. Europhysics Letters, 2009, 87, 57001.	2.0	17
84	Free layer versus synthetic ferrimagnet layer auto-oscillations in nanopillars processed from MgO-based magnetic tunnel junctions. Physical Review B, 2010, 81, .	3.2	17
85	Electrodeposition of Fe/Au(111) ultrathin layers with perpendicular magnetic anisotropy. Physica B: Condensed Matter, 2004, 354, 282-285.	2.7	16
86	Ultra-fast magnetization reversal in magnetic nano-pillars by spin-polarized current. Journal of Magnetism and Magnetic Materials, 2005, 286, 77-82.	2.3	16
87	Backward volume vs Damon $\hat{\text{E}}$ shbach: A traveling spin wave spectroscopy comparison. Journal of Applied Physics, 2020, 127, .	2.5	16
88	Electrical spectroscopy of forward volume spin waves in perpendicularly magnetized materials. Physical Review Research, 2020, 2, .	3.6	16
89	Micromagnetic simulation of spin transfer torque switching combined with precessional motion from a hard axis magnetic field. Applied Physics Letters, 2006, 89, 252509.	3.3	15
90	Scalability of Magnetic Random Access Memories Based on an In-Plane Magnetized Free Layer. Applied Physics Express, 2011, 4, 093001.	2.4	15

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91	Performance analysis of MgO-based perpendicularly magnetized tunnel junctions. Applied Physics Letters, 2013, 103, 182402.	3.3	15
92	Ferromagnetic resonance of exchange-coupled perpendicularly magnetized bilayers. Journal of Applied Physics, 2016, 119, .	2.5	15
93	Probabilistic behavior in subnanosecond spin transfer torque switching. Journal of Applied Physics, 2006, 99, 08G519.	2.5	14
94	Lateral and Longitudinal Finite Size Effects in NA-FMR Measurements. IEEE Transactions on Magnetics, 2006, 42, 3321-3322.	2.1	14
95	Effect of patterning on the saturation magnetization in MgO based nanopillars. Journal of Applied Physics, 2009, 105, .	2.5	14
96	Seed layer impact on structural and magnetic properties of [Co/Ni] multilayers with perpendicular magnetic anisotropy. Journal of Applied Physics, 2017, 121, .	2.5	14
97	Instant-On Spin Torque in Noncollinear Magnetic Tunnel Junctions. Physical Review Applied, 2018, 10, .	3.8	14
98	Magnetic properties of irradiated highly anisotropic materials. IEEE Transactions on Magnetics, 2001, 37, 1643-1645.	2.1	13
99	Dynamics of the exchange field supplied by MnIr layers studied by network analyzer ferromagnetic resonance. Journal of Applied Physics, 2009, 106, 063918.	2.5	13
100	Evolution of perpendicular magnetized tunnel junctions upon annealing. Applied Physics Letters, 2016, 108, .	3.3	13
101	Ferromagnetic resonance study of composite Co/Ni - FeCoB free layers with perpendicular anisotropy. Applied Physics Letters, 2016, 109, .	3.3	13
102	Gilbert damping of high anisotropy Co/Pt multilayers. Journal Physics D: Applied Physics, 2018, 51, 135002.	2.8	13
103	Ramsey-Type Subrecoil Cooling. Physical Review Letters, 1997, 78, 4023-4026.	7.8	12
104	Theoretical study of magnetic pattern replication by He+ ion irradiation through stencil masks. Journal of Magnetism and Magnetic Materials, 2002, 249, 452-457.	2.3	12
105	Annealing stability of magnetic tunnel junctions based on dual MgO free layers and [Co/Ni] based thin synthetic antiferromagnet fixed system. Journal of Applied Physics, 2017, 121, .	2.5	12
106	Offset fields in perpendicularly magnetized tunnel junctions. Journal Physics D: Applied Physics, 2019, 52, 274001.	2.8	12
107	Quantitative study of the response of a single NV defect in diamond to magnetic noise. Physical Review B, 2021, 103, .	3.2	12
108	A magnetic pendulum. Nature, 2004, 432, 162-162.	27.8	11

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109	Spectral analysis of the precessional switching of the magnetization in an isotropic thin film. Solid State Communications, 2004, 129, 97-101.	1.9	11
110	Direct measurement of current-induced fieldlike torque in magnetic tunnel junctions. Journal of Applied Physics, 2009, 105, .	2.5	11
111	Modulating spin transfer torque switching dynamics with two orthogonal spin-polarizers by varying the cell aspect ratio. Physical Review B, 2014, 90, .	3.2	11
112	Testing epitaxial Co _{1.5} Fe _{1.5} Ge(001) electrodes in MgO-based magnetic tunnel junctions. Applied Physics Letters, 2014, 104, 252412.	3.3	11
113	Effect of Tantalum Spacer Thickness and Deposition Conditions on the Properties of MgO/CoFeB/Ta/CoFeB/MgO Free Layers. IEEE Magnetics Letters, 2019, 10, 1-4.	1.1	10
114	Pattern generation and symbolic dynamics in a nanocontact vortex oscillator. Nature Communications, 2020, 11, 601.	12.8	10
115	Precession-dominated switching of synthetic antiferromagnets. Applied Physics Letters, 2004, 85, 4094-4096.	3.3	9
116	Experimental analysis of the fast magnetization dynamics in high perpendicular anisotropy Co/Pt nanostructures. Journal of Magnetism and Magnetic Materials, 2006, 307, 325-329.	2.3	9
117	Electrical time-domain observation of magnetization switching induced by spin transfer in magnetic nanostructures (invited). Journal of Applied Physics, 2008, 103, 07A723.	2.5	9
118	Electric field induced anisotropy modification in (Ga,Mn)As: A strategy for the precessional switching of the magnetization. Applied Physics Letters, 2010, 96, 142504.	3.3	9
119	Effect of Ta Insertion in Reference Layers of MTJs With Perpendicular Anisotropy. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	9
120	Optimization of top-pinned perpendicular anisotropy tunnel junctions through Ta insertion. Japanese Journal of Applied Physics, 2015, 54, 090302.	1.5	9
121	Precessional switching on exchange biased patterned magnetic media with perpendicular anisotropy. Journal of Applied Physics, 2005, 97, 083903.	2.5	8
122	Ferromagnetic resonance linewidth reduction in Fe ⁶⁰ Au multilayers using ion beams. Journal of Applied Physics, 2008, 103, 07B518.	2.5	8
123	Using rf voltage induced ferromagnetic resonance to study the spin-wave density of states and the Gilbert damping in perpendicularly magnetized disks. Physical Review B, 2017, 96, .	3.2	8
124	Magnetic Properties and Ion Beams: Why&How. Topics in Applied Physics, 2009, , 227-254.	0.8	8
125	Irradiation-induced magnetic patterning in magnetic multilayers. Materials Science and Engineering C, 2001, 15, 53-58.	7.3	7
126	Precessional direct-write switching in micrometer-sized magnetic tunnel junctions. Journal of Applied Physics, 2005, 97, 074503.	2.5	7

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127	Current-driven vortex oscillations in metallic nanocontacts: zero-field oscillations and training effects. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 245001.	2.8	7
128	Stability studies of exchange bias field of Mn ₈₀ Ir ₂₀ /Co ₆₀ Fe ₂₀ B ₂₀ by network analyzer ferromagnetic resonance. <i>Applied Physics Letters</i> , 2010, 97, 132502.	3.3	7
129	Perpendicular magnetic anisotropy in piezoelectric- and dielectric-ferromagnetic heterostructures based on Co/Pt multilayers. <i>Thin Solid Films</i> , 2013, 533, 70-74.	1.8	7
130	Scaled spintronic logic device based on domain wall motion in magnetically interconnected tunnel junctions. , 2018, , .		7
131	Stochastic Processes in Magnetization Reversal Involving Domain-Wall Motion in Magnetic Memory Elements. <i>Physical Review Applied</i> , 2021, 15, .	3.8	7
132	High frequency magnetic eigen excitations in a spin valve submitted to CPP DC current. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2006, 126, 267-270.	3.5	6
133	Fast magnetization switching in GaMnAs induced by electrical fields. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	6
134	Increased magnetic damping of a single domain wall and adjacent magnetic domains detected by spin torque diode in a nanostripe. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	6
135	Dynamical influence of vortex-antivortex pairs in magnetic vortex oscillators. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 394, 292-298.	2.3	6
136	Control of Interlayer Exchange Coupling and Its Impact on Spin-Torque Switching of Hybrid Free Layers With Perpendicular Magnetic Anisotropy. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-5.	2.1	6
137	Spin-torque induced wall motion in perpendicularly magnetized discs: Ballistic versus oscillatory behavior. <i>Physical Review B</i> , 2021, 103, .	3.2	6
138	Measuring the dispersion relations of spin wave bands using time-of-flight spectroscopy. <i>Physical Review B</i> , 2021, 103, .	3.2	6
139	Exchange biasing for cost-effective precessional switching of perpendicularly magnetized hard nanomagnets. <i>Journal Physics D: Applied Physics</i> , 2003, 36, 3115-3119.	2.8	5
140	Magnetic properties of Co/Al ₂ O ₃ /Co junctions deposited by ultra high vacuum ion beam sputtering. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2004, 109, 213-216.	3.5	5
141	Experimental study of current-driven vortex oscillations in magnetic nanocontacts. <i>Proceedings of SPIE</i> , 2009, , .	0.8	5
142	Vortex Nucleation Phase in Spin Torque Oscillators Based on Nanocontacts. <i>IEEE Transactions on Magnetics</i> , 2011, 47, 1595-1598.	2.1	5
143	Nanocontact size dependence of the properties of vortex-based spin torque oscillators. <i>Physica Status Solidi (B): Basic Research</i> , 2011, 248, 1615-1618.	1.5	5
144	Magnetic Vortex Core Oscillations in Multi Point Contact Spin Valve Stacks. <i>IEEE Transactions on Magnetics</i> , 2012, 48, 3811-3813.	2.1	5

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145	Joint perpendicular anisotropy and strong interlayer exchange coupling in systems with thin vanadium spacers. Journal of Applied Physics, 2015, 117, 163911.	2.5	5
146	Spin-wave thermal population as temperature probe in magnetic tunnel junctions. Journal of Applied Physics, 2016, 120, .	2.5	5
147	Nanocontact based spin torque oscillators with two free layers. Journal Physics D: Applied Physics, 2017, 50, 085002.	2.8	5
148	Modulation and phase-locking in nanocontact vortex oscillators. Physical Review B, 2019, 100, .	3.2	5
149	Irradiation Effects and Magnetization Reversal in Nanostructures with Perpendicular Anisotropy. Effect of the Dipolar Coupling.. Journal of the Magnetics Society of Japan, 1999, 23, S1_71-76.	0.4	5
150	Bias field dependence of current-induced precessional magnetization reversal. Journal of Magnetism and Magnetic Materials, 2005, 286, 362-365.	2.3	4
151	Precessional Switching of Thin Nanomagnets with Uniaxial Anisotropy. , 0, , 1-55.		4
152	Engineering Domain-Wall Motion in Co/Fe \hat{a} \hat{a} B Mg O Ultrathin Films with Perpendicular Anisotropy Using Patterned Substrates with Subnanometer Step Modulation. Physical Review Applied, 2018, 10, .		4
153	BPZT HBARs for Magnetoelastic Stress Generation at GHz Frequencies. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2020, 67, 1284-1290.	3.0	4
154	Measuring a population of spin waves from the electrical noise of an inductively coupled antenna. Physical Review B, 2022, 105, .	3.2	4
155	Weak coercivity dispersion in magnetic nanostructures fabricated by ion irradiation. IEEE Transactions on Magnetics, 2002, 38, 2547-2549.	2.1	3
156	Magnetization switching assisted by out-of-plane ultrafast pulsed field in high perpendicular anisotropy nanostructures. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 514-517.	2.3	3
157	Bit selection scheme and dipolar interactions in high density precessional MRAM. IET Science, Measurement and Technology, 2005, 152, 196-200.	0.7	3
158	Characterizations of Co/Al ₂ O ₃ /Co/NiFe multilayers elaborated by ultra-high vacuum ion beam sputtering. Materials Science and Engineering C, 2005, 25, 752-755.	7.3	3
159	Angular dependence of exchange bias in Mn ₈₀ Ir ₂₀ /Co ₆₀ Fe ₂₀ B ₂₀ bilayers. Journal of Applied Physics, 2011, 109, 07D704.	2.5	3
160	Ultrahigh Speed Spin-Transfer Magnetization Switching in Magnetic Multilayers. Japanese Journal of Applied Physics, 2006, 45, 3842-3845.	1.5	3
161	Magnetization dynamics of irradiation-fabricated perpendicularly magnetized dots inside a softer magnetic matrix. Materials Research Society Symposia Proceedings, 2003, 777, 641.	0.1	3
162	Ion beam-induced magnetic patterning at the sub-0.1 $\hat{1}$ / ₄ m level. Comptes Rendus De L'Academie De Sciences - Serie Iib: Mecanique, Physique, Chimie, Astronomie, 1999, 327, 915-923.	0.1	2

