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List of Publications by Year
in descending order

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38 papers	6,341 citations	304602 22 h-index	330025 37 g-index
39 all docs	39 docs citations	39 times ranked	4573 citing authors

#	Article	IF	Citations
1	Skyrmions on the track. Nature Nanotechnology, 2013, 8, 152-156.	15.6	2,422
2	Nucleation, stability and current-induced motion of isolated magnetic skyrmions in nanostructures. Nature Nanotechnology, 2013, 8, 839-844.	15.6	1,387
3	Additive interfacial chiral interaction in multilayers for stabilization of small individual skyrmions at room temperature. Nature Nanotechnology, 2016, 11, 444-448.	15.6	919
4	Current-induced skyrmion generation and dynamics in symmetric bilayers. Nature Communications, 2017, 8, 15765.	5.8	248
5	A magnetic synapse: multilevel spin-torque memristor with perpendicular anisotropy. Scientific Reports, 2016, 6, 31510.	1.6	186
6	A skyrmion-based spin-torque nano-oscillator. New Journal of Physics, 2016, 18, 075011.	1.2	170
7	Breathing modes of confined skyrmions in ultrathin magnetic dots. Physical Review B, 2014, 90, .	1.1	140
8	Fast domain wall motion in magnetic combÂstructures. Nature Materials, 2010, 9, 980-983.	13.3	105
9	Very large domain wall velocities in Pt/Co/GdOx and Pt/Co/Gd trilayers with Dzyaloshinskii-Moriya interaction. Europhysics Letters, 2016, 113, 67001.	0.7	75
10	Near-Field Interaction between Domain Walls in Adjacent Permalloy Nanowires. Physical Review Letters, 2009, 103, 077206.	2.9	73
11	Tunable Remote Pinning of Domain Walls in Magnetic Nanowires. Physical Review Letters, 2011, 106, 087204.	2.9	61
12	Perpendicular magnetization reversal in Pt/[Co/Ni]3/Al multilayers via the spin Hall effect of Pt. Applied Physics Letters, 2016, 108, .	1.5	56
13	Skyrmion morphology in ultrathin magnetic films. Physical Review Materials, 2018, 2, .	0.9	52
14	Domain wall dynamics in ultrathin Pt/Co/AlOx microstrips under large combined magnetic fields. Physical Review B, 2016, 93, .	1.1	44
15	High domain wall velocities via spin transfer torque using vertical current injection. Scientific Reports, 2013, 3, 1829.	1.6	39
16	Disruptive effect of Dzyaloshinskii-Moriya interaction on the magnetic memory cell performance. Applied Physics Letters, 2016, 108, .	1.5	38
17	Velocity Enhancement by Synchronization of Magnetic Domain Walls. Physical Review Letters, 2018, 120, 227204.	2.9	35
18	Dzyaloshinskii-Moriya anisotropy in nanomagnets with in-plane magnetization. Physical Review B, 2016, 93, .	1.1	34

#	Article	IF	Citations
19	Dynamic Oscillations of Coupled Domain Walls. Physical Review Letters, 2012, 108, 187202.	2.9	29
20	Domain wall dynamics in antiferromagnetically coupled double-lattice systems. Physical Review B, 2021, 103, .	1.1	24
21	Magnetic imaging of the pinning mechanism of asymmetric transverse domain walls in ferromagnetic nanowires. Applied Physics Letters, 2010, 97, 233102.	1.5	23
22	Spin-Orbit Coupling in Single-Layer Ferrimagnets: Direct Observation of Spin-Orbit Torques and Chiral Spin Textures. Physical Review Applied, 2021, 16, .	1.5	23
23	Asymmetric magnetic <scp>NOT</scp> gate and shift registers for high density data storage. Applied Physics Letters, 2010, 96, .	1.5	22
24	Deviations from bulk behavior in TbFe(Co) thin films: Interfaces contribution in the biased composition. Physical Review Materials, 2018, 2, .	0.9	19
25	Optical Magnetometry of Single Biocompatible Micromagnets for Quantitative Magnetogenetic and Magnetomechanical Assays. Nano Letters, 2018, 18, 7635-7641.	4.5	17
26	Measurement of the tilt of a moving domain wall shows precession-free dynamics in compensated ferrimagnets. Scientific Reports, 2020, 10, 16292.	1.6	16
27	Time-resolved observation of fast domain-walls driven by vertical spin currents in short tracks. Applied Physics Letters, 2013, 103, .	1.5	14
28	Plasma Channels for Electron Accelerators Using Discharges in Structured Gas Cells. IEEE Transactions on Plasma Science, 2008, 36, 1728-1733.	0.6	10
29	Coupling and induced depinning of magnetic domain walls in adjacent spin valve nanotracks. Journal of Applied Physics, 2013, 113, 133901.	1.1	7
30	Domain Wall Motion in Nanostructures. Handbook of Surface Science, 2015, 5, 335-370.	0.3	6
31	Increased magnetic damping of a single domain wall and adjacent magnetic domains detected by spin torque diode in a nanostripe. Applied Physics Letters, 2015, 107, .	1.5	6
32	Effect of spin transfer torque on domain wall motion regimes in [Co/Ni] superlattice wires. Physical Review B, 2017, 95, .	1.1	6
33	Strong current actions on ferrimagnetic domain walls in the creep regime. Physical Review B, 2019, 99, .	1.1	6
34	Twist in the bias dependence of spin torques in magnetic tunnel junctions. Physical Review B, 2016, 93, .	1.1	5
35	Skyrmions at room temperature in magnetic multilayers. , 2015, , .		4
36	Domain wall propagation by spin-orbit torques in in-plane magnetized systems. Physical Review B, 2020, 102, .	1.1	3

#	Article	IF	Citations
37	Quantitative analysis of spin wave dynamics in ferrimagnets across compensation points. Physical Review B, 2022, 105, .	1.1	3
38	Effects of Dzyaloshinskii-Moriya interaction on the spin transfer magnetization switching in magnetic tunnel junctions. , 2015, , .		0