

Given Names Deactivated

Family Name Deactivated

List of Publications by Year in
Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

69

papers

3,096

citations

24

h-index

55

g-index

69

ext. papers

3,311

ext. citations

4.3

avg, IF

5.28

L-index

#	Paper	IF	Citations
69	Coupled magnetic nanostructures: Engineering lattice configurations. <i>Applied Physics Letters</i> , 2021 , 118, 172404	3.4	1
68	Magnetization dynamics of single and trilayer permalloy nanodots. <i>Journal of Applied Physics</i> , 2021 , 130, 083906	2.5	2
67	Magnetic Tunability of Permalloy Artificial Spin Ice Structures. <i>Physical Review Applied</i> , 2020 , 13,	4.3	14
66	Reconfigurable and self-biased magnonic metamaterials. <i>Journal of Applied Physics</i> , 2020 , 128, 240902	2.5	10
65	Linear chains of nanomagnets: engineering the effective magnetic anisotropy. <i>Nanoscale</i> , 2020 , 12, 209337-20944	3.7	20944
64	Route to form skyrmions in soft magnetic films. <i>APL Materials</i> , 2019 , 7, 081114	5.7	9
63	Observation of phase dependent voltage signals in microwave spin pumping experiments. <i>Applied Physics Letters</i> , 2019 , 115, 022406	3.4	1
62	Static and dynamic behavior of interlayer exchange coupled Ni80Fe20/Ru continuous films and nanowires. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 025004	3	1
61	Electrical detection of multiple ferromagnetic resonance modes in interlayer exchange coupled Fe20Ni80/Ru/Fe20Ni80 multilayers. <i>Applied Physics Letters</i> , 2018 , 113, 262406	3.4	3
60	Spin wave dispersion and intensity correlation in width-modulated nanowire arrays: A Brillouin light scattering study. <i>Journal of Applied Physics</i> , 2018 , 124, 083903	2.5	2
59	Reconfigurable magnetic and microwave properties of a ferrimagnetic-type artificial crystal. <i>Journal of Applied Physics</i> , 2018 , 123, 243901	2.5	5
58	Bias-free tunability of microwave properties in multilayer rhomboid shaped nanomagnets. <i>Applied Physics Letters</i> , 2017 , 111, 152404	3.4	3
57	Techniques in micromagnetic simulation and analysis. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 343001	3	31
56	Collective spin waves in arrays of permalloy nanowires with single-side periodically modulated width. <i>Applied Physics Letters</i> , 2017 , 111, 192403	3.4	10
55	Magnetization dynamics of Ni80Fe20 nanowires with continuous width modulation. <i>Physical Review B</i> , 2017 , 95,	3.3	4
54	Tunable microwave properties of rhomboid shaped nanomagnet pairs. <i>Applied Physics Letters</i> , 2017 , 111, 262402	3.4	2
53	Large Area Artificial Spin Ice and Anti-Spin Ice Ni80Fe20 Structures: Static and Dynamic Behavior. <i>Advanced Functional Materials</i> , 2016 , 26, 1437-1444	15.6	52

52	A reconfigurable waveguide for energy-efficient transmission and local manipulation of information in a nanomagnetic device. <i>Nature Nanotechnology</i> , 2016 , 11, 437-43	28.7	127
51	Deterministic Control of Magnetization Dynamics in Reconfigurable Nanomagnetic Networks for Logic Applications. <i>ACS Nano</i> , 2016 , 10, 1690-8	16.7	37
50	Large and robust resistive switching in co-sputtered Pt-(NiO-Al ₂ O ₃)-Pt devices. <i>Journal of Applied Physics</i> , 2016 , 119, 084506	2.5	1
49	Unconventional spin distributions in thick Ni ₈₀ Fe ₂₀ nanodisks. <i>Applied Physics Letters</i> , 2016 , 108, 192404	3.4	2
48	Bias field free tunability of microwave properties based on geometrically controlled isolated permalloy nanomagnets. <i>Applied Physics Letters</i> , 2016 , 108, 162401	3.4	4
47	Ferromagnetic resonance study of interface coupling for spin waves in narrow NiFe/Ru/NiFe multilayer nanowires. <i>Physical Review B</i> , 2016 , 94,	3.3	10
46	Artificial metamaterials for reprogrammable magnetic and microwave properties. <i>Applied Physics Letters</i> , 2016 , 108, 022405	3.4	19
45	Dynamic behavior of Ni ₈₀ Fe ₂₀ nanowires with controlled periodic width modulation. <i>Applied Physics Letters</i> , 2016 , 108, 262401	3.4	8
44	Direct observation of configurational anisotropy in coupled magnetic disk cluster using micro-focused Brillouin light scattering spectroscopy. <i>Applied Physics Letters</i> , 2016 , 109, 032407	3.4	2
43	Magnetostatic spin wave modes in trilayer nanowire arrays probed using ferromagnetic resonance spectroscopy. <i>Physical Review B</i> , 2016 , 94,	3.3	3
42	Vortex chirality control in circular disks using dipole-coupled nanomagnets. <i>Applied Physics Letters</i> , 2015 , 106, 032404	3.4	15
41	Direct Detection of Static Dipolar Interaction on a Single Nanodisk Using Microfocused Brillouin Light Scattering Spectroscopy. <i>Advanced Electronic Materials</i> , 2015 , 1, 1500070	6.4	6
40	Self-aligned Ni/NiFe/Fe magnetic lateral heterostructures. <i>Journal of Applied Physics</i> , 2015 , 118, 153901	2.5	2
39	Tuning of interlayer exchange coupling in Ni ₈₀ Fe ₂₀ /Ru/Ni ₈₀ Fe ₂₀ nanowires. <i>Journal of Applied Physics</i> , 2015 , 118, 113902	2.5	5
38	Size-dependent magnetization dynamics in individual Ni ₈₀ Fe ₂₀ disk using micro-focused Brillouin Light Scattering spectroscopy. <i>AIP Advances</i> , 2015 , 5, 097124	1.5	2
37	Solid-state dewetting of magnetic binary multilayer thin films. <i>Journal of Applied Physics</i> , 2015 , 118, 144902	2.5	24
36	Giant moving vortex mass in thick magnetic nanodots. <i>Scientific Reports</i> , 2015 , 5, 13881	4.9	24
35	Templates as Shadow Masks to Tune the Magnetic Anisotropy in Nanostructured CoCrPt/Ti Bilayer Films. <i>Advanced Materials Interfaces</i> , 2015 , 2, 1400551	4.6	3

34	Higher order vortex gyrotropic modes in circular ferromagnetic nanodots. <i>Scientific Reports</i> , 2014 , 4, 4796	4.9	39
33	Ni80Fe20 film with periodically modulated thickness as a reconfigurable one-dimensional magnonic crystal. <i>Applied Physics Letters</i> , 2014 , 104, 042403	3.4	22
32	Collective spin waves on a nanowire array with step-modulated thickness. <i>Journal Physics D: Applied Physics</i> , 2014 , 47, 105003	3	14
31	Interlayer coupling in Ni80Fe20/Ru/Ni80Fe20 multilayer films: Ferromagnetic resonance experiments and theory. <i>Physical Review B</i> , 2014 , 90,	3.3	30
30	Dynamic behavior of Ni80Fe20 nanowires with controlled defects. <i>Applied Physics Letters</i> , 2014 , 104, 143105	3.4	5
29	Intensity inversion of vortex gyrotropic modes in thick ferromagnetic nanodots. <i>Applied Physics Letters</i> , 2014 , 104, 192405	3.4	13
28	Magnetization dynamics of coupled Ni80Fe20 dots: Effects of configurational anisotropy and dipolar coupling. <i>Applied Physics Letters</i> , 2014 , 105, 052413	3.4	5
27	Simultaneous control of vortex polarity and chirality in thickness-modulated [Co/Pd] _n /Ti/Ni80Fe20 disks. <i>Applied Physics Letters</i> , 2014 , 105, 152408	3.4	4
26	Synthesis and magnetic properties of large-area ferromagnetic cylindrical nanoshell and nanocup arrays. <i>Journal of Applied Physics</i> , 2013 , 113, 214301	2.5	4
25	Magnetic vortex dynamics in thickness-modulated Ni80Fe20 disks. <i>Physical Review B</i> , 2013 , 87,	3.3	21
24	Binary Ferromagnetic Nanostructures: Fabrication, Static and Dynamic Properties. <i>Advanced Functional Materials</i> , 2013 , 23, 1684-1691	15.6	43
23	Reversal mechanisms of coupled bi-component magnetic nanostructures. <i>Applied Physics Letters</i> , 2012 , 101, 083112	3.4	16
22	Ni80Fe20/Ni binary nanomagnets for logic applications. <i>Applied Physics Letters</i> , 2012 , 101, 103117	3.4	20
21	Magnetization dynamics and reversal mechanism of Fe filled Ni80Fe20 antidot nanostructures. <i>Applied Physics Letters</i> , 2012 , 100, 242411	3.4	15
20	Synthesis of silicon oxide nanowires and nanotubes with cobalt-palladium or palladium catalysts. <i>Journal of Applied Physics</i> , 2012 , 112, 024312	2.5	12
19	Realization of a mesoscopic reprogrammable magnetic logic based on a nanoscale reconfigurable magnonic crystal. <i>Applied Physics Letters</i> , 2012 , 100, 073114	3.4	61
18	Influence of magnetostatic interactions on the magnetization reversal of patterned magnetic elements. <i>Journal of Applied Physics</i> , 2011 , 109, 07D354	2.5	6
17	Magnonic crystal as a medium with tunable disorder on a periodical lattice. <i>Physical Review Letters</i> , 2011 , 107, 047205	7.4	79

16	Effect of Interdot Separation on Collective Magnonic Modes in Chains of Rectangular Dots. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 1563-1566	2	17
15	Collective spin modes in chains of dipolarly interacting rectangular magnetic dots. <i>Physical Review B</i> , 2011 , 83,	3-3	54
14	Magnetic hysteresis of dynamic response of one-dimensional magnonic crystals consisting of homogenous and alternating width nanowires observed with broadband ferromagnetic resonance. <i>Physical Review B</i> , 2011 , 84,	3-3	65
13	Ferromagnetic and antiferromagnetic spin-wave dispersions in a dipole-exchange coupled bi-component magnonic crystal. <i>Applied Physics Letters</i> , 2011 , 99, 143118	3-4	32
12	Analysis of collective spin-wave modes at different points within the hysteresis loop of a one-dimensional magnonic crystal comprising alternative-width nanostripes. <i>Physical Review B</i> , 2010 , 82,	3-3	76
11	Brillouin light scattering studies of planar metallic magnonic crystals. <i>Journal Physics D: Applied Physics</i> , 2010 , 43, 264003	3	172
10	Observation of frequency band gaps in a one-dimensional nanostructured magnonic crystal. <i>Applied Physics Letters</i> , 2009 , 94, 083112	3-4	236
9	Configurational anisotropy and control of magnetic vortex chirality in arrays of circular Ni80Fe20 nanoscale dots. <i>Physical Review B</i> , 2009 , 80,	3-3	15
8	Large area patterned magnetic nanostructures. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 153001	3	162
7	Magnetization switching in alternating width nanowire arrays. <i>Physical Review B</i> , 2007 , 75,	3-3	40
6	Collective spin modes in monodimensional magnonic crystals consisting of dipolarly coupled nanowires. <i>Applied Physics Letters</i> , 2007 , 90, 092503	3-4	118
5	Fabrication of large area nanomagnets. <i>Nanotechnology</i> , 2004 , 15, 1539-1544	3-4	84
4	Single-Domain Circular Nanomagnets. <i>Physical Review Letters</i> , 1999 , 83, 1042-1045	7-4	1012
3	Magnetic properties of arrays of BolesIn Ni80Fe20films. <i>Applied Physics Letters</i> , 1997 , 70, 3164-3166	3-4	81
2	Size dependence of the magnetoresistance in submicron FeNi wires. <i>Journal of Applied Physics</i> , 1996 , 79, 6120	2-5	76
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