

Adekunle Adeyeye

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/2262276/adekunle-adeyeye-publications-by-year.pdf>

Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

153 papers	4,860 citations	32 h-index	66 g-index
159 ext. papers	5,340 ext. citations	3.8 avg, IF	5.67 L-index

#	Paper	IF	Citations
153	Roadmap on Spin-Wave Computing. <i>IEEE Transactions on Magnetics</i> , 2022 , 1-1	2	20
152	Prospects toward flexible magnonic systems. <i>Journal of Applied Physics</i> , 2021 , 130, 150901	2.5	4
151	Coupled magnetic nanostructures: Engineering lattice configurations. <i>Applied Physics Letters</i> , 2021 , 118, 172404	3.4	1
150	Differentiated Strain-Control of Localized Magnetic Modes in Antidot Arrays. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 29906-29915	9.5	5
149	Magnetization dynamics of single and trilayer permalloy nanodots. <i>Journal of Applied Physics</i> , 2021 , 130, 083906	2.5	2
148	The 2021 Magnonics Roadmap. <i>Journal of Physics Condensed Matter</i> , 2021 , 33,	1.8	69
147	Functional magnetic waveguides for magnonics. <i>Applied Physics Letters</i> , 2021 , 119, 060501	3.4	4
146	Constraints on the Velocity and Spin Dependent Exotic Interaction at the Micrometer Range. <i>Physical Review Letters</i> , 2020 , 124, 161801	7.4	6
145	Effect of exchange and dipolar interlayer interactions on the magnonic band structure of dense Fe/Cu/Py nanowires with symmetric and asymmetric layer widths. <i>Physical Review B</i> , 2020 , 101,	3.3	1
144	Magnetic Tunability of Permalloy Artificial Spin Ice Structures. <i>Physical Review Applied</i> , 2020 , 13,	4.3	14
143	Reconfigurable and self-biased magnonic metamaterials. <i>Journal of Applied Physics</i> , 2020 , 128, 240902	2.5	10
142	Direct mapping of spin wave modes of individual NiFe nanorings. <i>Nanotechnology</i> , 2020 , 31, 145714	3.4	4
141	Linear chains of nanomagnets: engineering the effective magnetic anisotropy. <i>Nanoscale</i> , 2020 , 12, 209337-20944	3.7	44
140	Platinum composition dependence of spin-orbit torque in (Fe _{0.8} Mn _{0.2}) _{1-x} Ptx single-layer ferromagnet. <i>Applied Physics Letters</i> , 2020 , 117, 172402	3.4	1
139	Non-uniform along thickness spin excitations in magnetic vortex-state nanodots. <i>Low Temperature Physics</i> , 2020 , 46, 863-868	0.7	
138	Microwave assisted gating of spin wave propagation. <i>Applied Physics Letters</i> , 2020 , 116, 162403	3.4	6
137	Magnetization-induced chirality in second harmonic generation response of U-shaped permalloy nanostructures. <i>Physical Review B</i> , 2019 , 99,	3.3	1

136	Interplay between intra- and inter-nanowires dynamic dipolar interactions in the spin wave band structure of Py/Cu/Py nanowires. <i>Scientific Reports</i> , 2019 , 9, 4617	4.9	8
135	Local Stiffness Effect on Ferromagnetic Response of Nanostructure Arrays in Stretchable Systems (Phys. Status Solidi RRL 2/2019). <i>Physica Status Solidi - Rapid Research Letters</i> , 2019 , 13, 1970015	2.5	2
134	Local Stiffness Effect on Ferromagnetic Response of Nanostructure Arrays in Stretchable Systems. <i>Physica Status Solidi - Rapid Research Letters</i> , 2019 , 13, 1800509	2.5	8
133	Multicracking and Magnetic Behavior of NiFe Nanowires Deposited onto a Polymer Substrate. <i>Nano Letters</i> , 2018 , 18, 3199-3202	11.5	15
132	Reprogrammable magnonic band structure of layered permalloy/Cu/permalloy nanowires. <i>Physical Review B</i> , 2018 , 97,	3.3	30
131	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
130	Origin of relationship between ferromagnetic response and damage in stretched systems. <i>Scientific Reports</i> , 2018 , 8, 13695	4.9	8
129	Reconfigurable magnetic and microwave properties of a ferrimagnetic-type artificial crystal. <i>Journal of Applied Physics</i> , 2018 , 123, 243901	2.5	5
128	Tailoring the spin waves band structure of 1D magnonic crystals consisting of L-shaped iron/permalloy nanowires. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 105002	3	13
127	Programmability of Co-antidot lattices of optimized geometry. <i>Scientific Reports</i> , 2017 , 7, 41157	4.9	9
126	Fragmentation and adhesion properties of CoFeB thin films on polyimide substrate. <i>Applied Physics Letters</i> , 2017 , 110, 091904	3.4	10
125	Bias-free tunability of microwave properties in multilayer rhomboid shaped nanomagnets. <i>Applied Physics Letters</i> , 2017 , 111, 152404	3.4	3
124	Techniques in micromagnetic simulation and analysis. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 343001	3	31
123	Spin wave modes in out-of-plane magnetized nanorings. <i>Physical Review B</i> , 2017 , 96,	3.3	6
122	Large area periodic ferromagnetic nanowires deposited onto a polymer substrate. <i>Applied Physics Letters</i> , 2017 , 111, 052408	3.4	10
121	Magnetization dynamics of Ni80Fe20 nanowires with continuous width modulation. <i>Physical Review B</i> , 2017 , 95,	3.3	4
120	Tunable microwave properties of rhomboid shaped nanomagnet pairs. <i>Applied Physics Letters</i> , 2017 , 111, 262402	3.4	2
119	Isotropic transmission of magnon spin information without a magnetic field. <i>Science Advances</i> , 2017 , 3, e1700638	14.3	21

118	Spin-wave excitation modes in thick vortex-state circular ferromagnetic nanodots. <i>Physical Review B</i> , 2016 , 93,	3.3	20
117	Nanopatterning-Enhanced Sensitivity and Response Time of Dynamic Palladium/Cobalt/Palladium Hydrogen Gas Sensors. <i>Advanced Materials Technologies</i> , 2016 , 1, 1600097	6.8	24
116	Collective spin excitations in bicomponent magnonic crystals consisting of bilayer permalloy/Fe nanowires. <i>Physical Review B</i> , 2016 , 93,	3.3	22
115	Anisotropy of magnetooptical response of nanoperforated permalloy films. <i>Physics of the Solid State</i> , 2016 , 58, 2233-2236	0.8	
114	Robust electric-field tunable opto-electrical behavior in Pt-NiO-Pt planar structures. <i>Scientific Reports</i> , 2016 , 6, 28007	4.9	7
113	Large Area Artificial Spin Ice and Anti-Spin Ice Ni ₈₀ Fe ₂₀ Structures: Static and Dynamic Behavior. <i>Advanced Functional Materials</i> , 2016 , 26, 1437-1444	15.6	52
112	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
111	Deterministic Control of Magnetization Dynamics in Reconfigurable Nanomagnetic Networks for Logic Applications. <i>ACS Nano</i> , 2016 , 10, 1690-8	16.7	37
110	Unambiguous magnetoelastic effect on residual anisotropy in thin films deposited on flexible substrates. <i>Europhysics Letters</i> , 2016 , 114, 17003	1.6	11
109	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
108	Spin-wave dispersion of nanostructured magnonic crystals with periodic defects. <i>AIP Advances</i> , 2016 , 6, 115106	1.5	11
107	Unconventional spin distributions in thick Ni ₈₀ Fe ₂₀ nanodisks. <i>Applied Physics Letters</i> , 2016 , 108, 192404	3.4	2
106	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
105	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
104	Artificial metamaterials for reprogrammable magnetic and microwave properties. <i>Applied Physics Letters</i> , 2016 , 108, 022405	3.4	19
103	Dynamic behavior of Ni ₈₀ Fe ₂₀ nanowires with controlled periodic width modulation. <i>Applied Physics Letters</i> , 2016 , 108, 262401	3.4	8
102	Microwave magnetic dynamics in ferromagnetic metallic nanostructures lacking inversion symmetry. <i>Journal of Applied Physics</i> , 2016 , 119, 103903	2.5	12
101	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

100	Magnetostatic spin wave modes in trilayer nanowire arrays probed using ferromagnetic resonance spectroscopy. <i>Physical Review B</i> , 2016 , 94,	3.3	3
99	Resonance-Based Detection of Magnetic Nanoparticles and Microbeads Using Nanopatterned Ferromagnets. <i>Physical Review Applied</i> , 2016 , 6,	4.3	13
98	Electrical switching of magnetization in a layer of Fe with a naturally hydroxidized surface. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 7751-7755	7.1	2
97	Axially and radially quantized spin waves in thick permalloy nanodots. <i>Physical Review B</i> , 2015 , 92,	3.3	10
96	Magnetoresistance behavior of Ni80Fe20/Ru/Ni80Fe20 nanostripes. <i>European Physical Journal Plus</i> , 2015 , 130, 1	3.1	1
95	Spin wave spectra in perpendicularly magnetized permalloy rings. <i>Applied Physics Letters</i> , 2015 , 106, 112403	3.4	3
94	Vortex chirality control in circular disks using dipole-coupled nanomagnets. <i>Applied Physics Letters</i> , 2015 , 106, 032404	3.4	15
93	Broadband and total autocollimation of spin waves using planar magnonic crystals. <i>Journal of Applied Physics</i> , 2015 , 117, 143901	2.5	8
92	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
91	Tuning of interlayer exchange coupling in Ni80Fe20/Ru/Ni80Fe20 nanowires. <i>Journal of Applied Physics</i> , 2015 , 118, 113902	2.5	5
90	Giant moving vortex mass in thick magnetic nanodots. <i>Scientific Reports</i> , 2015 , 5, 13881	4.9	24
89	Synthesis and Characterization of Cobalt/Palladium Multilayer Film and Nanodiscs on Polyethylene Terephthalate Substrate. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 4332-8	1.3	5
88	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
87	Higher order vortex gyrotropic modes in circular ferromagnetic nanodots. <i>Scientific Reports</i> , 2014 , 4, 4796	4.9	39
86	Collective spin waves on a nanowire array with step-modulated thickness. <i>Journal Physics D: Applied Physics</i> , 2014 , 47, 105003	3	14
85	Interlayer coupling in Ni80Fe20/Ru/Ni80Fe20 multilayer films: Ferromagnetic resonance experiments and theory. <i>Physical Review B</i> , 2014 , 90,	3.3	30
84	Dispersion and origin of surface optical-like waves in a two-dimensional antidot-patterned structure with a soft intervening layer. <i>Applied Physics Letters</i> , 2014 , 104, 093108	3.4	5
83	Comparative study of the ferromagnetic resonance behavior of coupled rectangular and circular Ni80Fe20 rings. <i>Physical Review B</i> , 2014 , 89,	3.3	5

82	Microwave magnetic dynamics in highly conducting magnetic nanostructures. <i>Journal of Applied Physics</i> , 2014 , 115, 173903	2.5	11
81	Magnetic normal modes of bicomponent permalloy/cobalt structures in the parallel and antiparallel ground state. <i>Physical Review B</i> , 2014 , 90,	3.3	16
80	Intensity inversion of vortex gyrotropic modes in thick ferromagnetic nanodots. <i>Applied Physics Letters</i> , 2014 , 104, 192405	3.4	13
79	Multiplets of Collective Spin-Wave Modes During Magnetization Reversal in a One-Dimensional Magnonic Crystal Consisting of Alternating-Width Nano-Stripes. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 3089-3092	2	3
78	Influence of Magnetostatic Interaction on the Magnetization Reversal of Patterned Co/Pd Multilayers Nanorings. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 3620-3623	2	3
77	Resonance properties of bi-component arrays of magnetic dots magnetized perpendicular to their planes. <i>Journal of Applied Physics</i> , 2013 , 114, 113910	2.5	6
76	Static and dynamic magnetic properties of Ni ₈₀ Fe ₂₀ anti-ring nanostructures. <i>Physical Review B</i> , 2013 , 88,	3.3	11
75	Plasmon-assisted high reflectivity and strong magneto-optical Kerr effect in permalloy gratings. <i>Applied Physics Letters</i> , 2013 , 102, 121907	3.4	27
74	The angular dependence of magnetization reversal in coupled elongated Ni ₈₀ Fe ₂₀ nanorings. <i>Journal of Applied Physics</i> , 2013 , 113, 17A335	2.5	8
73	Magnetic vortex dynamics in thickness-modulated Ni ₈₀ Fe ₂₀ disks. <i>Physical Review B</i> , 2013 , 87,	3.3	21
72	Binary Ferromagnetic Nanostructures: Fabrication, Static and Dynamic Properties. <i>Advanced Functional Materials</i> , 2013 , 23, 1684-1691	15.6	43
71	Resonant frequencies of a binary magnetic nanowire. <i>Physical Review B</i> , 2013 , 87,	3.3	20
70	Magnetization Reversal of Rectangular Particles: Closure States and Effect of Dipolar Coupling. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 1593-1596	2	7
69	Reversal mechanisms of coupled bi-component magnetic nanostructures. <i>Applied Physics Letters</i> , 2012 , 101, 083112	3.4	16
68	Magnetization reversal and magnetoresistance behavior of perpendicularly magnetized [Co/Pd] ₄ /Au/[Co/Pd] ₂ nanowires. <i>Journal of Applied Physics</i> , 2012 , 112, 073902	2.5	13
67	Collective spin waves in a bicomponent two-dimensional magnonic crystal. <i>Applied Physics Letters</i> , 2012 , 100, 162407	3.4	41
66	High-symmetry magnonic modes in antidot lattices magnetized perpendicular to the lattice plane. <i>Physical Review B</i> , 2012 , 85,	3.3	28
65	Mode conversion from quantized to propagating spin waves in a rhombic antidot lattice supporting spin wave nanochannels. <i>Physical Review B</i> , 2012 , 86,	3.3	51

64	Observation of dual magnonic and phononic bandgaps in bi-component nanostructured crystals. <i>Applied Physics Letters</i> , 2012 , 100, 163118	3.4	21
63	Comparative study of magnetization reversal process between rectangular and circular thin film rings. <i>Journal of Applied Physics</i> , 2012 , 111, 013909	2.5	10
62	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
61	Broadband ferromagnetic resonance spectroscopy of permalloy triangular nanorings. <i>Applied Physics Letters</i> , 2012 , 100, 062401	3.4	19
60	Interfacial magnetization dynamics of a bi-component magnonic crystal comprising contacting ferromagnetic nanostripes. <i>Journal of Applied Physics</i> , 2012 , 111, 033920	2.5	12
59	Engineering grains of Ge ₂ Sb ₂ Te ₅ for realizing fast-speed, low-power, and low-drift phase-change memories with further multilevel capabilities 2012 ,		7
58	Influence of magnetostatic interactions on the magnetization reversal of patterned magnetic elements. <i>Journal of Applied Physics</i> , 2011 , 109, 07D354	2.5	6
57	Coupled periodic magnetic nanostructures (invited). <i>Journal of Applied Physics</i> , 2011 , 109, 07B903	2.5	11
56	Magnonic crystal as a medium with tunable disorder on a periodical lattice. <i>Physical Review Letters</i> , 2011 , 107, 047205	7.4	79
55	Static and dynamic properties of one-dimensional linear chain of nanomagnets. <i>Journal of Applied Physics</i> , 2011 , 109, 07D301	2.5	11
54	Tailoring the magnetization reversal in antidot nanostructures using lithographically engineered inhomogeneities. <i>Journal of Applied Physics</i> , 2011 , 109, 07B902	2.5	7
53	Magnetic Properties of Perpendicularly Magnetized [Co/Pd]/Au/[Co/Pd] Pseudo-Spin-Valve Nano-Ring Structures. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 2628-2631	2	4
52	Band diagram of spin waves in a two-dimensional magnonic crystal. <i>Physical Review Letters</i> , 2011 , 107, 127204	7.4	84
51	Effect of dipolar interaction on the magnetization state of chains of rectangular particles located either head-to-tail or side-by-side. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 5691-5698	2.3	15
50	Fabrication and Static Magnetic Properties of Novel One- and Two-Dimensional Bi-Component Magnonic Crystals. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 1639-1643	2	13
49	Collective spin modes in chains of dipolarly interacting rectangular magnetic dots. <i>Physical Review B</i> , 2011 , 83,	3.3	54
48	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
47	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

46	Field tunable localization of spin waves in antidot arrays. <i>Applied Physics Letters</i> , 2011 , 98, 262508	3.4	30
45	Coupled oscillations in noncollinear microscale rectangular magnets. <i>Physical Review B</i> , 2010 , 82,	3.3	12
44	Magnetization pinning in conducting films demonstrated using broadband ferromagnetic resonance. <i>Journal of Applied Physics</i> , 2010 , 108, 103914	2.5	25
43	Magnetization reversal and anisotropic magnetoresistance behavior in bicomponent antidot nanostructures. <i>Applied Physics Letters</i> , 2010 , 97, 042512	3.4	24
42	Magnetic-field-orientation dependent magnetization reversal and spin waves in elongated permalloy nanorings. <i>Journal of Applied Physics</i> , 2010 , 108, 053909	2.5	6
41	Tuning the exchange bias in large area Co/CoO nanowire arrays. <i>Journal of Applied Physics</i> , 2010 , 107, 09D705	2.5	10
40	Spin re-orientation in magnetostatically coupled Ni(80)Fe(20) ellipsoidal nanomagnets. <i>Nanotechnology</i> , 2010 , 21, 285702	3.4	18
39	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
38	Brillouin light scattering studies of planar metallic magnonic crystals. <i>Journal Physics D: Applied Physics</i> , 2010 , 43, 264003	3	172
37	Spin wave localization in a triangular nanomagnet. <i>Journal of Applied Physics</i> , 2010 , 108, 114305	2.5	13
36	Magnetotransport behavior of Co nanowires coupled to Ni80Fe20 films. <i>Journal of Applied Physics</i> , 2010 , 107, 023913	2.5	2
35	Nanostructured magnonic crystals with size-tunable bandgaps. <i>ACS Nano</i> , 2010 , 4, 643-8	16.7	146
34	Magnetic Normal Modes in Squared Antidot Array With Circular Holes: A Combined Brillouin Light Scattering and Broadband Ferromagnetic Resonance Study. <i>IEEE Transactions on Magnetism</i> , 2010 , 46, 172-178	2	41
33	Effects of Interlayer Coupling in Elongated $\text{Ni}_{80}\text{Fe}_{20}/\text{Au/Co}$ Nanorings. <i>IEEE Transactions on Magnetism</i> , 2010 , 46, 1906-1909	2	9
32	Angular Dependence of Magnetic Normal Modes in NiFe Antidot Lattices With Different Lattice Symmetry. <i>IEEE Transactions on Magnetism</i> , 2010 , 46, 1440-1443	2	50
31	Aligned Alternating Head-to-Head and Tail-to-Tail Domain Walls in Ferromagnetic Concentric Rings. <i>IEEE Transactions on Magnetism</i> , 2010 , 46, 1595-1598	2	4
30	Magnetization reversal and interlayer coupling in Co50Fe50 nanomagnets. <i>Journal of Applied Physics</i> , 2009 , 105, 023916	2.5	15
29	Magnetization reversal and spin waves in exchange coupled NiFe/Cu/Co nanodisks. <i>Journal of Applied Physics</i> , 2009 , 105, 07C115	2.5	5

28	Field dependence of collective spin modes in transversely magnetized stripes with homogeneous and alternating width. <i>Journal of Applied Physics</i> , 2009 , 105, 07C102	2.5	6
27	Observation of frequency band gaps in a one-dimensional nanostructured magnonic crystal. <i>Applied Physics Letters</i> , 2009 , 94, 083112	3.4	236
26	Magnetization reversal in exchange biased antidot arrays. <i>Journal of Applied Physics</i> , 2009 , 105, 07D703	2.5	6
25	Reversal Mechanisms in Ferromagnetic Nanostructures. <i>IEEE Transactions on Magnetism</i> , 2008 , 44, 1935-1940	2.5	14
24	Large area patterned magnetic nanostructures. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 153001	3	162
23	Propagating volume and localized spin wave modes on a lattice of circular magnetic antidots. <i>Journal of Applied Physics</i> , 2008 , 103, 07C507	2.5	49
22	Magnetization reversal process in elongated Co rings with engineered defects. <i>Journal of Applied Physics</i> , 2008 , 103, 063906	2.5	9
21	Exchange bias in nanoscale antidot arrays. <i>Applied Physics Letters</i> , 2008 , 93, 022502	3.4	25
20	Partial frequency band gap in one-dimensional magnonic crystals. <i>Applied Physics Letters</i> , 2008 , 92, 132504	2.5	84
19	Reversal mechanisms in alternating width nanowires. <i>Journal of Applied Physics</i> , 2008 , 103, 07D528	2.5	3
18	Magnetoresistance dependence on electrical contact geometry and field alignment in mesoscopic rectangular rings. <i>European Physical Journal B</i> , 2008 , 62, 305-309	1.2	
17	FePt Patterned Media Fabricated by Deep UV Lithography Followed by Sputtering or PLD. <i>IEEE Transactions on Magnetism</i> , 2007 , 43, 2157-2159	2	7
16	Magnetization switching in alternating width nanowire arrays. <i>Physical Review B</i> , 2007 , 75,	3.3	40
15	Sc modified multiferroic BiFeO ₃ thin films prepared through a sol-gel process. <i>Applied Physics Letters</i> , 2007 , 90, 022901	3.4	101
14	Micromagnetics of derivative ring-shaped nanomagnets. <i>Physical Review B</i> , 2007 , 75,	3.3	11
13	Collective spin modes in monodimensional magnonic crystals consisting of dipolarly coupled nanowires. <i>Applied Physics Letters</i> , 2007 , 90, 092503	3.4	118
12	Magnetic antidot nanostructures: effect of lattice geometry. <i>Nanotechnology</i> , 2006 , 17, 1629-36	3.4	138
11	Dipolar coupling in closely packed pseudo-spin-valve nanowire arrays. <i>Journal of Applied Physics</i> , 2006 , 100, 114301	2.5	8

10	Ultra-Narrow Silicon Nanowire Gate-All-Around CMOS Devices: Impact of Diameter, Channel-Orientation and Low Temperature on Device Performance 2006 ,		91
9	Transition from coherent rotation to curling mode reversal process in ferromagnetic nanowires. <i>European Physical Journal B</i> , 2005 , 44, 259-264	1.2	50
8	Process method to suppress the effect of phase errors in alternating phase shift masks. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2005 , 23, 540		1
7	SYNTHESIS OF Fe NANOPARTICLES BY REDOX REACTION USING AN ELECTRON BEAM DEPOSITION TECHNIQUE. <i>International Journal of Nanoscience</i> , 2004 , 03, 631-638	0.6	2
6	Fabrication of large area nanomagnets. <i>Nanotechnology</i> , 2004 , 15, 1539-1544	3.4	84
5	Magnetic properties of asymmetric antirectangular Ni ₈₀ Fe ₂₀ arrays. <i>Journal of Applied Physics</i> , 2003 , 94, 6644-6648	2.5	31
4	Magnetotransport properties of lithographically defined lateral Co/Ni ₈₀ Fe ₂₀ wires. <i>Journal of Applied Physics</i> , 2003 , 93, 7610-7612	2.5	1
3	Effects of in situ magnetic field application and postdeposition magnetic annealing on sputtered Ni ₈₀ Fe ₂₀ /Fe ₅₀ Mn ₅₀ /Ni ₈₀ Fe ₂₀ trilayers. <i>Journal of Applied Physics</i> , 2003 , 93, 6605-6607	2.5	3
2	Single-Domain Circular Nanomagnets. <i>Physical Review Letters</i> , 1999 , 83, 1042-1045	7.4	1012
1	Configurational Anisotropy in Nanomagnets. <i>Physical Review Letters</i> , 1998 , 81, 5414-5417	7.4	162