

Jianbo Wang

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4408490/jianbo-wang-publications-by-year.pdf>

Version: 2024-04-25

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.

173
papers

2,970
citations

28
h-index

47
g-index

182
ext. papers

3,419
ext. citations

3.4
avg, IF

5.12
L-index

#	Paper	IF	Citations
173	Spin eigenmodes of skyrmion bags. <i>Journal Physics D: Applied Physics</i> , 2022 , 55, 185001	3	1
172	Magnetic skyrmion shape manipulation by perpendicular magnetic anisotropy excitation within geometrically confined nanostructures. <i>Journal of Magnetism and Magnetic Materials</i> , 2022 , 545, 168775	2.8	1
171	Microwave excitations and hysteretic magnetization dynamics of stripe domain films. <i>Journal of Magnetism and Magnetic Materials</i> , 2022 , 547, 168939	2.8	0
170	Bridge-connected microwave detector based on magnetic skyrmion. <i>Journal of Magnetism and Magnetic Materials</i> , 2022 , 541, 168560	2.8	0
169	Annealing enhanced ferromagnetic resonance of thickness-dependent FeGa films. <i>Applied Physics Letters</i> , 2022 , 120, 202402	3.4	
168	Thickness-dependent magnetic properties of Ni ₆₅ Fe ₂₈ Ga ₇ films prepared by magnetron co-sputtering. <i>Applied Physics A: Materials Science and Processing</i> , 2021 , 127, 1	2.6	
167	Angular dependence of spin wave resonance in FeNiMgO granular film. <i>Applied Physics Letters</i> , 2021 , 118, 212401	3.4	0
166	The unusual double-shifted magnetization curves in an exchange-biased perpendicular Co/IrMn system. <i>Applied Physics Letters</i> , 2021 , 118, 242401	3.4	2
165	Elaboration and photocatalytic properties of CoFe ₂ O ₄ /TiO ₂ composite nanowires with the side-by-side structure. <i>Materials Research Bulletin</i> , 2021 , 141, 111354	5.1	2
164	Dynamics of skyrmion bags driven by the spin-orbit torque. <i>Applied Physics Letters</i> , 2020 , 117, 172404	3.4	8
163	Spin current pumped by confined breathing skyrmion. <i>New Journal of Physics</i> , 2020 , 22, 053029	2.9	1
162	Investigation of 2D isolated skyrmion pinning using exchange bias. <i>Journal of Physics Condensed Matter</i> , 2020 , 32, 205801	1.8	1
161	Effect of stripe domains on magnetization reversal and domain wall motion-like boundary expansion of the stripe domain region. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 285001	3	0
160	Radio Frequency Mixer Based on Magnetic Skyrmion. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020 , 14, 2000249	2.5	1
159	High-frequency spin transfer nano-oscillator based on the motion of skyrmions in an annular groove. <i>New Journal of Physics</i> , 2020 , 22, 033001	2.9	12
158	Effect of the repeat number and Co layer thickness on the magnetization reversal process in [Pt/Co(x)]N multilayers. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 215001	3	6
157	Nano-oscillator based on radial vortex by overcoming the switching of core. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 195004	3	4

156	Giant Magnetoimpedance Effect Modified by Transverse Shape Anisotropy in Fe-Based Amorphous Ribbon. <i>IEEE Transactions on Magnetics</i> , 2020 , 56, 1-5	2	1
155	Static and dynamic magnetic properties of Fe ₂₀ Ni ₈₀ and Co ₂₀ Fe ₆₀ B ₂₀ material-modulated stripe-patterned thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 497, 166008	2.8	0
154	Dynamics properties of skyrmion based microwave detectors under external field. <i>Applied Physics Express</i> , 2020 , 13, 053001	2.4	
153	Current-induced motion of twisted skyrmions. <i>Applied Physics Letters</i> , 2019 , 114, 192401	3.4	11
152	Ferromagnetic resonance property in the magnetic heterostructure with Fe nanowire arrays and Fe ₂₅ Ni ₇₅ film. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 485, 151-156	2.8	1
151	Microwave-driven dynamic switching of the radial vortex in a nanodot by micromagnetic simulation. <i>Journal Physics D: Applied Physics</i> , 2019 , 52, 195001	3	6
150	Trochoidal antiskyrmion motion with microwave electric fields. <i>Journal Physics D: Applied Physics</i> , 2019 , 52, 435001	3	6
149	High frequency properties of [Co/Pd] _n /Py multilayer films under different temperatures. <i>Journal of Applied Physics</i> , 2019 , 126, 053901	2.5	2
148	Investigation into the microstructure and soft magnetic property of co-sputtering FeNi/MgO nanogranular films. <i>Journal of Materials Science</i> , 2019 , 54, 14189-14196	4.3	7
147	Magnetic properties of isolated skyrmion under the in-plane magnetic field and anisotropy gradient. <i>Journal of Applied Physics</i> , 2019 , 126, 063904	2.5	1
146	Dynamics of a magnetic skyrmionium in an anisotropy gradient. <i>Applied Physics Express</i> , 2019 , 12, 083003	3.4	12
145	Current-driven radial vortex switching in a permalloy nanodisk. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 491, 165544	2.8	3
144	Field-tuned spin excitation spectrum of k _B skyrmion. <i>New Journal of Physics</i> , 2019 , 21, 083006	2.9	11
143	Metastable magnetic bubble in [Co/Pd] ₄ /Py multilayers. <i>Journal Physics D: Applied Physics</i> , 2019 , 52, 065005	3.05	4
142	Rapid creation and reversal of skyrmion in spin-valve nanopillars. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 474, 472-476	2.8	5
141	Multiple spin waves excitation modes observed in the Py film with antidots-like structure. <i>Journal Physics D: Applied Physics</i> , 2019 , 52, 085002	3	
140	Spin Rectification dc Voltage Spectra via Sweeping Frequency. <i>Physica Status Solidi (B): Basic Research</i> , 2019 , 256, 1800401	1.3	
139	Influence of the phases structure on the acoustic and optical modes ferromagnetic resonance of FeNi stripe domain films. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 475, 103-107	2.8	5

138	Tuning the ferromagnetic resonance frequency of soft magnetic film by patterned permalloy micro-stripes with stripe-domain. <i>Journal of Magnetism and Magnetic Materials</i> , 2018 , 457, 46-51	2.8	7
137	Skyrmion motion driven by the gradient of voltage-controlled magnetic anisotropy. <i>Journal of Magnetism and Magnetic Materials</i> , 2018 , 458, 57-61	2.8	25
136	Effect of substrate roughness on the magnetic properties of CoFeB films. <i>Journal of Magnetism and Magnetic Materials</i> , 2018 , 461, 19-22	2.8	11
135	Array of Synchronized Nano-Oscillators Based on Repulsion between Domain Wall and Skyrmion. <i>Physical Review Applied</i> , 2018 , 9,	4.3	40
134	Electrospun porous CuFe ₂ O ₄ nanotubes on nickel foam for nonenzymatic voltammetric determination of glucose and hydrogen peroxide. <i>Journal of Alloys and Compounds</i> , 2018 , 739, 764-770	5.7	25
133	Optimization of magnetoimpedance effect in Co-based ribbon by laser patterning for sensor arrays application. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 045005	3	5
132	Current-Induced Domain Wall Motion and Tilting in Perpendicularly Magnetized Racetracks. <i>Nanoscale Research Letters</i> , 2018 , 13, 238	5	6
131	Joule heating and temperature effects on current-induced magnetization switching in perpendicularly magnetized Pt/Co/C structures. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 265003	3	2
130	Thickness-dependent on the static magnetic properties and dynamic anisotropy of FeNi films with stripe domain structures. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 025001	3	12
129	Static and dynamic magnetic properties of stripe-patterned Fe ₂₀ Ni ₈₀ soft magnetic films. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 045004	3	5
128	Enhancement of damping in FeNiN film due to two-magnon scattering effect. <i>Applied Physics Letters</i> , 2018 , 113, 232402	3.4	7
127	Influence of Deposition Cycle and Magnetic Annealing on High-Frequency Magnetic Properties of the [Co ₉₀ Fe ₁₀ /Ta] _n Multilayer Thin Films. <i>IEEE Transactions on Magnetics</i> , 2018 , 54, 1-7	2	1
126	Investigation on the structures and magnetic properties of carbon or nitrogen doped cobalt ferrite nanoparticles. <i>Scientific Reports</i> , 2018 , 8, 7916	4.9	8
125	The Temperature-Dependent Microstructure and Magnetic Parameters of FeCo Films. <i>Journal of the Electrochemical Society</i> , 2017 , 164, D154-D158	3.9	1
124	Estimating the In-Plane Magnetic Anisotropy and Saturation Magnetization of Magnetic Films. <i>IEEE Transactions on Magnetics</i> , 2017 , 53, 1-6	2	4
123	Static and Dynamic Properties of Nanowire/Permalloy Composite Films. <i>IEEE Magnetics Letters</i> , 2017 , 8, 1-5	1.6	0
122	Micromagnetic simulation for detection of magnetic nanobeads by spin torque oscillator. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 432, 387-390	2.8	5
121	Understanding stripe domains in Permalloy films via the angular dependence of permeability spectra. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 432, 245-249	2.8	4

120	Dynamics of Dzyaloshinskii Domain Walls Driven by Spin Hall Effect in the Presence of Magnetic Fields. <i>Spin</i> , 2017 , 07, 1740004	1.3	
119	Effect of inserting a non-metal C layer on the spin-orbit torque induced magnetization switching in Pt/Co/Ta structures with perpendicular magnetic anisotropy. <i>Applied Physics Letters</i> , 2017 , 110, 132407	3.4	17
118	Influence of substrate temperature on static and dynamic magnetic properties of FeNiN films. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 045002	3	2
117	Control and manipulation of antiferromagnetic skyrmions in racetrack. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 505005	3	27
116	Cycle rapid cooling treatment effect on the magnetic properties and giant magnetoimpedance properties of Co-based amorphous alloy ribbons. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 444, 198-205	2.8	6
115	Topological trajectories of a magnetic skyrmion with an in-plane microwave magnetic field. <i>Journal of Applied Physics</i> , 2017 , 122, 223901	2.5	8
114	Skyrmion-based multi-channel racetrack. <i>Applied Physics Letters</i> , 2017 , 111, 192413	3.4	21
113	Tuning high frequency magnetic properties and damping of FeGa, FeGaN and FeGaB thin films. <i>AIP Advances</i> , 2017 , 7, 115009	1.5	13
112	Magnetic anisotropy and high-frequency property of flexible FeCoTa films obliquely deposited on a wrinkled topography. <i>Scientific Reports</i> , 2017 , 7, 2837	4.9	15
111	Synthesis, characterization and magnetic properties of NiFe _{2-x} CexO ₄ nanoribbons by electrospinning. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 425, 37-42	2.8	12
110	Structural and magnetic properties of electrospun yttrium iron garnet (YIG) nanofibers. <i>Ceramics International</i> , 2017 , 43, 1236-1241	5.1	14
109	Improved coercivity and considerable saturation magnetization of cobalt ferrite (CoFe ₂ O ₄) nanoribbons synthesized by electrospinning. <i>Journal of Materials Science</i> , 2016 , 51, 885-892	4.3	20
108	Dependence of phase configurations, microstructures and magnetic properties of iron-nickel (Fe-Ni) alloy nanoribbons on deoxidization temperature in hydrogen. <i>Scientific Reports</i> , 2016 , 6, 37701	4.9	20
107	Annealing influence on the exchange stiffness constant of Permalloy films with stripe domains. <i>Journal Physics D: Applied Physics</i> , 2016 , 49, 265002	3	15
106	Dynamic response for Dzyaloshinskii-Moriya interaction on bubble-like magnetic solitons driven by spin-polarized current. <i>Journal Physics D: Applied Physics</i> , 2016 , 49, 195004	3	2
105	Investigation on the structure and dynamic magnetic properties of FeCo films with different thicknesses by vector network analyzer and electron spin resonance spectroscopy. <i>Journal of Alloys and Compounds</i> , 2016 , 688, 917-922	5.7	18
104	Influence of NiZn-Ferrite Spacers on Giant Magnetoimpedance Effect in FeNi/Cu/FeNi Nano Films. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 8142-8145	1.3	
103	Nonmetal sulfur-doped coral-like cobalt ferrite nanoparticles with enhanced magnetic properties. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 951-957	7.1	19

102	GMI field sensitivity near a zero external field in Co-based amorphous alloy ribbons: experiments and model. <i>Journal Physics D: Applied Physics</i> , 2016 , 49, 065006	3	5
101	Synthesis, microstructure and magnetic performance of FeCo alloy nanoribbons. <i>Materials Letters</i> , 2016 , 162, 176-179	3.3	16
100	Tunable Static and High-Frequency Magnetic Properties of FeCo Films by an Applied Magnetic Field. <i>Science of Advanced Materials</i> , 2016 , 8, 1061-1065	2.3	5
99	A facile strategy for synthesis of spinel ferrite nano-granules and their potential applications. <i>RSC Advances</i> , 2016 , 6, 66795-66802	3.7	5
98	Controllable magnetic and magnetostrictive properties of FeGa films electrodeposited on curvature substrates. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	15
97	High saturation magnetization of γ -Fe ₂ O ₃ nano-particles by a facile one-step synthesis approach. <i>Scientific Reports</i> , 2016 , 6, 32360	4.9	88
96	Dynamics of antiferromagnetic skyrmion driven by the spin Hall effect. <i>Applied Physics Letters</i> , 2016 , 109, 182404	3.4	76
95	Applied magnetic field angle dependence of the static and dynamic magnetic properties in FeCo films during the deposition. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 416, 208-212	2.8	10
94	Preparation and influence of pH on the dynamic magnetic property of magnetic FeCoC films. <i>Materials Chemistry and Physics</i> , 2016 , 177, 236-241	4.4	1
93	Current-induced 360° domain wall motion with Dzyaloshinskii-Moriya interaction. <i>Journal Physics D: Applied Physics</i> , 2016 , 49, 175005	3	2
92	Phase locking of moving magnetic vortices in bridge-coupled nanodisks. <i>Journal of Applied Physics</i> , 2015 , 117, 173907	2.5	4
91	Hierarchical SrTiO ₃ /NiFe ₂ O ₄ composite nanostructures with excellent light response and magnetic performance synthesized toward enhanced photocatalytic activity. <i>Nanoscale</i> , 2015 , 7, 14738-46	7.7	34
90	Current-induced magnetic skyrmions oscillator. <i>New Journal of Physics</i> , 2015 , 17, 023061	2.9	115
89	Magnetic properties of iron nitride films prepared by oblique sputtering under different nitrogen gas flow ratios (N ₂ /N ₂ +Ar). <i>Journal of Physics and Chemistry of Solids</i> , 2015 , 85, 13-17	3.9	11
88	Enhanced GMI effect in NiZn-ferrite-modified Fe-based amorphous ribbons. <i>Applied Physics A: Materials Science and Processing</i> , 2015 , 119, 1277-1281	2.6	10
87	Robust SiO ₂ -modified CoFe ₂ O ₄ hollow nanofibers with flexible room temperature magnetic performance. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 12841-8	3.6	13
86	Effect of Dzyaloshinskii-Moriya interaction on the magnetic vortex oscillator driven by spin-polarized current. <i>Journal of Applied Physics</i> , 2015 , 117, 17B720	2.5	11
85	A novel method to fabricate CoFe ₂ O ₄ /SrFe ₁₂ O ₁₉ composite ferrite nanofibers with enhanced exchange coupling effect. <i>Nanoscale Research Letters</i> , 2015 , 10, 131	5	34

84	Magnetic Properties and Microstructure Investigation of FeNi Films With Step-Height by Nano-MOKE. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	2
83	Fabrication and characterization of FePt magnetic nanofibers via electrospinning technique. <i>Journal of Materials Science</i> , 2015 , 50, 7218-7226	4.3	4
82	Magnetic properties of permalloy films with different thicknesses deposited onto obliquely sputtered Cu underlayers. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 377, 142-146	2.8	12
81	Efficient photocatalytic degradation of acid fuchsin in aqueous solution using separate porous tetragonal-CuFe ₂ O ₄ nanotubes. <i>Journal of Hazardous Materials</i> , 2015 , 284, 163-70	12.8	61
80	Interface interaction of Co atop Bepp2 with different substrate temperatures. <i>Applied Surface Science</i> , 2015 , 357, 1040-1045	6.7	4
79	Width-controlled M-type hexagonal strontium ferrite (SrFe ₁₂ O ₁₉) nanoribbons with high saturation magnetization and superior coercivity synthesized by electrospinning. <i>Scientific Reports</i> , 2015 , 5, 15089	4.9	48
78	A short-circuited coplanar waveguide to measure the permeability of magnetic thin films: Comparison with short-circuited microstrip line. <i>Review of Scientific Instruments</i> , 2015 , 86, 114705	1.7	9
77	Static property and current-driven precession of $\sqrt{2}$ vortex in nano-disk with Dzyaloshinskii-Moriya interaction. <i>AIP Advances</i> , 2015 , 5, 087137	1.5	13
76	High-frequency electromagnetic properties of soft magnetic Y ₂ Fe ₁₇ N _x particles with easy-plane anisotropy. <i>Physica B: Condensed Matter</i> , 2015 , 477, 52-55	2.8	14
75	Top-down control of dynamic anisotropy in permalloy thin films with stripe domains. <i>Journal Physics D: Applied Physics</i> , 2015 , 48, 465001	3	22
74	Vortex Dynamics in Magnetic Nanodisks With a Ring of Magnetic Defects. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	
73	Enhanced magnetoimpedance effect of carbon fiber/Fe-based alloy coaxial composite by tensile stress. <i>Carbon</i> , 2015 , 93, 451-457	10.4	7
72	Static and high frequency magnetic properties of FeGa thin films deposited on convex flexible substrates. <i>Applied Physics Letters</i> , 2015 , 106, 162405	3.4	40
71	Critical Current Density and Ferromagnetic Resonance Affected by Perpendicular Anisotropy in Spin Valve. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-3	2	
70	Synthesis, nanostructure and magnetic properties of FeCo-reduced graphene oxide composite films by one-step electrodeposition. <i>Thin Solid Films</i> , 2015 , 597, 1-6	2.2	9
69	Propagating and reflecting of spin wave in permalloy nanostrip with 360° domain wall. <i>Journal of Applied Physics</i> , 2014 , 115, 013908	2.5	8
68	Improved magnetic properties of SrFe ₁₂ O ₁₉ /FeCo core-shell nanofibers by hard/soft magnetic exchange-coupling effect. <i>Materials Letters</i> , 2014 , 120, 9-12	3.3	37
67	Enhanced giant magnetoimpedance effect in patterned FeNi/FeCo nanostructure. <i>Journal of Applied Physics</i> , 2014 , 115, 17C721	2.5	

66	Electrodeposition of FeCoCd films with in-plane uniaxial magnetic anisotropy for microwave applications. <i>Journal of Applied Physics</i> , 2014 , 115, 17A307	2.5	7
65	Enhanced magnetoimpedance effect in stratified graphene paper/FeNi film composited material. <i>Materials Letters</i> , 2014 , 114, 56-59	3.3	3
64	Static magnetic and microwave absorption properties of FeCo/Al ₂ O ₃ composites synthesized by high-energy ball milling method. <i>Journal Physics D: Applied Physics</i> , 2014 , 47, 065001	3	11
63	Improved field emission properties of carbon nanotubes decorated with Ta layer. <i>Carbon</i> , 2014 , 73, 114-124	10.4	23
62	Phase locking of vortex cores in two coupled magnetic nanopillars. <i>AIP Advances</i> , 2014 , 4, 117130	1.5	1
61	Current-induced domain wall motion in nanostrip/nanobars system. <i>Japanese Journal of Applied Physics</i> , 2014 , 53, 073001	1.4	5
60	Spin-dependent Transport Properties of CrO Micro Rod. <i>Nano-Micro Letters</i> , 2014 , 6, 365-371	19.5	9
59	An induction method to calculate the complex permeability of soft magnetic films without a reference sample. <i>Review of Scientific Instruments</i> , 2014 , 85, 054705	1.7	51
58	Influence of tensile stress on giant magnetoimpedance effect of electroplated Ni ₈₀ Co ₂₀ /Cu composite wires. <i>Journal of Alloys and Compounds</i> , 2014 , 616, 426-429	5.7	8
57	Microstructure and magnetic properties of iron nitride thin films. <i>Journal of Alloys and Compounds</i> , 2014 , 582, 398-402	5.7	20
56	Synthesis and microwave absorption properties of Fe ₃ O ₄ nanofibers by electrospinning with disperse Fe nanoparticles parceled by carbon. <i>Carbon</i> , 2014 , 74, 312-318	10.4	153
55	The influence of magnetic heat treatment on morphology, structure, magnetic properties of Fe-Co-P alloy films. <i>Applied Physics A: Materials Science and Processing</i> , 2014 , 115, 359-363	2.6	4
54	Magnetic properties and microstructure investigation of electrodeposited FeNi/ITO films with different thickness. <i>Journal of Alloys and Compounds</i> , 2013 , 581, 66-70	5.7	18
53	Thermo-electric effect in a nano-sized crossed Permalloy/Cu junction under high bias current. <i>Applied Physics Letters</i> , 2013 , 103, 132408	3.4	12
52	Current-induced collective motion of 180° and 360° domain walls in double nanowires system. <i>Journal of Magnetism and Magnetic Materials</i> , 2013 , 347, 124-130	2.8	6
51	Interface coupling-induced enhancement of magnetoimpedance effect in heterogeneous nanobrush by adjusting textures of Co nanowires. <i>Nanoscale Research Letters</i> , 2013 , 8, 471	5	3
50	Enhanced field emission of amorphous Alq ₃ submicrometre thorns. <i>Journal Physics D: Applied Physics</i> , 2013 , 46, 455104	3	1
49	Microwave absorption properties of amorphous iron nanostructures fabricated by a high-yield method. <i>Journal Physics D: Applied Physics</i> , 2013 , 46, 135002	3	13

48	Morphology dependence of electron spin resonance investigation on structure controllable hollow La _{0.7} Sr _{0.3} MnO ₃ nanofibres. <i>Journal Physics D: Applied Physics</i> , 2013 , 46, 105001	3	3
47	Effect of Zn substitution on morphology and magnetic properties of CuFe ₂ O ₄ nanofibers. <i>Materials Chemistry and Physics</i> , 2012 , 134, 1097-1101	4.4	18
46	Method for analyzing the magnetic anisotropy in non-aligned Fe nanofibers via electrospinning. <i>Materials Letters</i> , 2012 , 82, 78-81	3.3	3
45	Large-scale preparation of ZnO nanoflowers from nanowires with high length/diameter ratio. <i>Materials Letters</i> , 2012 , 84, 66-68	3.3	1
44	Tunable resonance frequency of FeNi films by oblique sputtering. <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 2899-2901	2.8	30
43	Preparation and characterization of Ba ₂ Co ₂ Fe ₁₂ O ₂₂ ferrite via glucose sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2012 , 61, 39-43	2.3	4
42	Adjustable magnetic anisotropy and resonance frequency of patterned ferromagnetic films by laser etching. <i>Journal of Alloys and Compounds</i> , 2012 , 543, 197-199	5.7	16
41	Enhanced microwave absorption of BaTiO ₃ -based ferroelectric/ferromagnetic nanocomposite. <i>Applied Surface Science</i> , 2012 , 258, 7556-7561	6.7	28
40	Tuning giant magnetoimpedance response of Fe _{75.5} Si _{13.5} B ₇ Nb ₃ Cu ₁ amorphous ribbon by laser ablation. <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 3189-3192	2.8	1
39	Synthesis and characterization of Fe/C core-shell nanoparticles. <i>Materials Letters</i> , 2012 , 88, 61-64	3.3	14
38	Enhanced giant magnetoimpedance in heterogeneous nanobrush. <i>Nanoscale Research Letters</i> , 2012 , 7, 506	5	7
37	Faster 360° domain wall motion in nanostrip induced by spin-polarized current with out-of-plane magnetic field. <i>Physica B: Condensed Matter</i> , 2012 , 407, 4584-4587	2.8	6
36	Optimum electrodeposition conditions of FeCoZr films with in-plane uniaxial anisotropy for high frequency application. <i>Materials Chemistry and Physics</i> , 2012 , 137, 499-502	4.4	8
35	The Influence of Impurities on Electroplated FeCoZr High Frequency Properties through Thiourea Containing Electrolyte. <i>Journal of the Electrochemical Society</i> , 2012 , 159, H842-H845	3.9	2
34	Analyses on multiple resonance behaviors and microwave reflection loss in magnetic Co microflowers. <i>Physica Status Solidi (B): Basic Research</i> , 2012 , 249, 575-580	1.3	62
33	A novel fabrication method of magnetic Co/Ni _{0.4} Zn _{0.6} Fe ₂ O ₄ coaxial nanocables. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 2472-6	1.3	1
32	Fast magnetization switching by linear vertical microwave-assisted spin-transfer torque. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 7460-3	1.3	2
31	Attractive microwave absorption and the impedance match effect in zinc oxide and carbonyl iron composite. <i>Physica B: Condensed Matter</i> , 2011 , 406, 4620-4624	2.8	125

30	Designed synthesis and magnetic properties of Co hierarchical nanostructures. <i>Materials Letters</i> , 2011 , 65, 1312-1315	3.3	9
29	Effect of heating rate on morphology and structure of CoFe ₂ O ₄ nanofibers. <i>Materials Letters</i> , 2011 , 65, 3269-3271	3.3	30
28	Tailoring coercivity and magnetic anisotropy of Co nanowire arrays by microstructure. <i>Journal of Materials Science</i> , 2011 , 46, 7545-7550	4.3	18
27	The microstructure and magnetic properties of Ni _{0.4} Zn _{0.6} Fe ₂ O ₄ films prepared by spin-coating method. <i>Journal of Sol-Gel Science and Technology</i> , 2011 , 58, 501-506	2.3	9
26	Influence of saccharides chelating agent on particle size and magnetic properties of Co ₂ Z hexaferrite synthesized by sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2011 , 60, 41-47	2.3	12
25	Low current density spin-transfer torque effect assisted by in-plane microwave field. <i>Applied Physics Letters</i> , 2011 , 99, 032502	3.4	8
24	Microwave Reflection Characteristics of the Fe/Al ₂ O ₃ and Fe ₃ Al/Al ₂ O ₃ Composites. <i>Advanced Materials Research</i> , 2010 , 160-162, 984-989	0.5	
23	Enhanced microwave absorption properties of Fe ₃ Al/Al ₂ O ₃ fine particle composites. <i>Journal Physics D: Applied Physics</i> , 2010 , 43, 115001	3	30
22	Enhanced microwave absorption of Fe nanoflakes after coating with SiO ₂ nanoshell. <i>Nanotechnology</i> , 2010 , 21, 095708	3.4	213
21	Two-dimensional periodic boundary conditions for demagnetization interactions in micromagnetics. <i>Computational Materials Science</i> , 2010 , 49, 84-87	3.2	30
20	Tunable magnetic properties of heterogeneous nanobrush: from nanowire to nanofilm. <i>Nanoscale Research Letters</i> , 2010 , 5, 853-8	5	9
19	Calculations of three-dimensional magnetic excitations in permalloy nanostructures with vortex state. <i>Journal of Magnetism and Magnetic Materials</i> , 2010 , 322, 2480-2484	2.8	10
18	Abnormal coercivity dependence on the diameter of Co nanowires in anodic aluminium oxide templates. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 105002	3	13
17	Large-scale synthesis of single-crystal alpha manganese sesquioxide nanowires via solid-state reaction. <i>Materials Letters</i> , 2009 , 63, 661-663	3.3	9
16	Microwave absorption of electroless NiCoB-coated SiO ₂ powder. <i>Applied Surface Science</i> , 2009 , 255, 6629-6633	6.7	45
15	Microwave absorption properties of the hierarchically branched Ni nanowire composites. <i>Journal of Applied Physics</i> , 2009 , 105, 053911	2.5	69
14	Broadband and thin microwave absorber of nickel-zinc ferrite/carbonyl iron composite. <i>Journal of Alloys and Compounds</i> , 2009 , 487, 708-711	5.7	36
13	Influence of crystal orientation on magnetic properties of hcp Co nanowire arrays. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 095005	3	40

12	Micromagnetic calculation of dynamic susceptibility in ferromagnetic nanorings. <i>Journal of Applied Physics</i> , 2009 , 105, 083908	2.5	13
11	In-plane anisotropy formation of Co thin film induced by FeMn covering layer. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 055002	3	4
10	Micromagnetic simulation of the magnetic spectrum of ferromagnetic nanowire. <i>Journal of Applied Physics</i> , 2008 , 103, 013910	2.5	26
9	Microwave permeability spectra of flake-shaped FeCuNbSiB particle composites. <i>Journal of Applied Physics</i> , 2008 , 103, 063903	2.5	88
8	Structure and ⁵⁷ Fe conversion electron Mössbauer spectroscopy study of Mn-Zn ferrite nanocrystal thin films by electroless plating in aqueous solution. <i>Science Bulletin</i> , 2008 , 53, 321-328		9
7	Microwave absorption properties of the Ni nanowires composite. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 235005	3	71
6	Synthesis and characterization of nanocrystalline BaFe ₁₂ O ₁₉ obtained by using glucose as a fuel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 456, 130-132	5.3	30
5	Magnetic properties of ZnFe ₂ O ₄ nanoparticles produced by a low-temperature solid-state reaction method. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 309, 295-299	2.8	160
4	Magnetic moment distribution study of Fe antidot arrays. <i>Thin Solid Films</i> , 2007 , 515, 6967-6970	2.2	6
3	Characterization and magnetic properties of Fe _{1-x} Ni _x nanowire arrays. <i>Physical Review B</i> , 2005 , 72,	3.3	19
2	Synthesis and characterization of LaFeO ₃ nano particles. <i>Journal of Materials Science Letters</i> , 2002 , 21, 1059-1062		16
1	Specific heat of spin-one-half frustrated Heisenberg ladder. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2001 , 283, 249-256	2.3	2