

Gianluca Gubbiotti

List of Publications by Year in descending order

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227
papers

6,253
citations

66343

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70
g-index

231
all docs

231
docs citations

231
times ranked

2981
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct observation of a propagating spin wave induced by spin-transfer torque. Nature Nanotechnology, 2011, 6, 635-638.	31.5	321
2	The 2021 Magnonics Roadmap. Journal of Physics Condensed Matter, 2021, 33, 413001.	1.8	287
3	Brillouin light scattering studies of planar metallic magnonic crystals. Journal Physics D: Applied Physics, 2010, 43, 264003.	2.8	187
4	Advances in Magnetics Roadmap on Spin-Wave Computing. IEEE Transactions on Magnetics, 2022, 58, 1-72.	2.1	179
5	Interfacial Dzyaloshinskii-Moriya Interaction in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mrow} \langle \text{mml:mi} \rangle \text{Pt} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle / \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \text{CoFeB} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Films: Effect of the Heavy-Metal Thickness. Physical Review Letters. 2017. 118. 147201.	7.8	165
6	Spin excitations of nanometric cylindrical dots in vortex and saturated magnetic states. Physical Review B, 2004, 70, .	3.2	144
7	Collective spin modes in monodimensional magnonic crystals consisting of dipolarly coupled nanowires. Applied Physics Letters, 2007, 90, 092503.	3.3	128
8	Anisotropic Propagation and Damping of Spin Waves in a Nanopatterned Antidot Lattice. Physical Review Letters, 2010, 105, 067208.	7.8	122
9	Comparison of frequency, field, and time domain ferromagnetic resonance methods. Journal of Magnetism and Magnetic Materials, 2006, 307, 148-156.	2.3	119
10	Excitation of unidirectional exchange spin waves by a nanoscale magnetic grating. Physical Review B, 2019, 100, .	3.2	111
11	Magnetostatic interaction in arrays of nanometric permalloy wires: A magneto-optic Kerr effect and a Brillouin light scattering study. Physical Review B, 2005, 72, .	3.2	110
12	Forbidden Band Gaps in the Spin-Wave Spectrum of a Two-Dimensional Bicomponent Magnonic Crystal. Physical Review Letters, 2012, 109, 137202.	7.8	102
13	Lattice symmetry and magnetization reversal in micron-size antidot arrays in Permalloy film. Journal of Applied Physics, 2002, 91, 7992.	2.5	100
14	Partial frequency band gap in one-dimensional magnonic crystals. Applied Physics Letters, 2008, 92, .	3.3	94
15	Band Diagram of Spin Waves in a Two-Dimensional Magnonic Crystal. Physical Review Letters, 2011, 107, 127204.	7.8	93
16	Dipole-exchange propagating spin-wave modes in metallic ferromagnetic stripes. Physical Review B, 2007, 76, .	3.2	92
17	Spin dynamics in thin nanometric elliptical Permalloy dots: A Brillouin light scattering investigation as a function of dot eccentricity. Physical Review B, 2005, 72, .	3.2	90
18	Snell's Law for Spin Waves. Physical Review Letters, 2016, 117, 037204.	7.8	87

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19	Control of spin-wave transmission by a programmable domain wall. Nature Communications, 2018, 9, 4853.	12.8	82
20	Magnetic field dependence of quantized and localized spin wave modes in thin rectangular magnetic dots. Journal of Physics Condensed Matter, 2004, 16, 7709-7721.	1.8	77
21	Analysis of collective spin-wave modes at different points within the hysteresis loop of a one-dimensional magnonic crystal comprising alternative-width nanostripes. Physical Review B, 2010, 82, .	3.2	77
22	Anisotropic dynamical coupling for propagating collective modes in a two-dimensional magnonic crystal consisting of interacting squared nanodots. Physical Review B, 2010, 82, .	3.2	75
23	Bragg diffraction of spin waves from a two-dimensional antidot lattice. Physical Review B, 2012, 85, .	3.2	71
24	Spatial control of spin-wave modes in Ni80Fe20 antidot lattices by embedded Co nanodisks. Applied Physics Letters, 2011, 99, .	3.3	69
25	Magnonic minibands in antidot lattices with large spin-wave propagation velocities. Physical Review B, 2011, 84, .	3.2	69
26	Magnonic band structures in two-dimensional bi-component magnonic crystals with in-plane magnetization. Journal Physics D: Applied Physics, 2013, 46, 495003.	2.8	69
27	Nonreciprocity of spin waves in metallized magnonic crystal. New Journal of Physics, 2013, 15, 113023.	2.9	69
28	Rotatable magnetic anisotropy in a Fe _{0.8} Ga _{0.2} thin film with stripe domains: Dynamics versus statics. Physical Review B, 2014, 89, .	3.2	67
29	Brillouin light scattering investigation of dynamic spin modes confined in cylindrical Permalloy dots. Physical Review B, 2003, 68, .	3.2	61
30	Collective spin modes in chains of dipolarly interacting rectangular magnetic dots. Physical Review B, 2011, 83, .	3.2	59
31	Magnetization reversal and soft modes in nanorings: Transitions between onion and vortex states studied by Brillouin light scattering. Physical Review B, 2008, 78, .	3.2	58
32	Mode conversion from quantized to propagating spin waves in a rhombic antidot lattice supporting spin wave nanochannels. Physical Review B, 2012, 86, .	3.2	58
33	Angular Dependence of Magnetic Normal Modes in NiFe Antidot Lattices With Different Lattice Symmetry. IEEE Transactions on Magnetics, 2010, 46, 1440-1443.	2.1	56
34	Spin-Hall nano-oscillator: A micromagnetic study. Applied Physics Letters, 2014, 105, .	3.3	55
35	Normal mode splitting in interacting arrays of cylindrical permalloy dots. Journal of Applied Physics, 2006, 99, 08C701.	2.5	54
36	Brillouin scattering and magnetic excitations in layered structures. Rivista Del Nuovo Cimento, 1999, 22, 1-60.	5.7	52

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37	Soft spin waves and magnetization reversal in elliptical Permalloy nanodots: Experiments and dynamical matrix results. <i>Physical Review B</i> , 2007, 76, .	3.2	52
38	Perpendicular and in-plane magnetic anisotropy in epitaxial Cu/Ni/Cu/Si(111) ultrathin films. <i>Physical Review B</i> , 1997, 56, 11073-11083.	3.2	51
39	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	51
40	Splitting of Spin Excitations in Nanometric Rings Induced by a Magnetic Field. <i>Physical Review Letters</i> , 2006, 97, 247203.	7.8	48
41	Collective spin waves in a bicomponent two-dimensional magnonic crystal. <i>Applied Physics Letters</i> , 2012, 100, 162407.	3.3	48
42	Comparative study of the elastic properties of polycrystalline aluminum nitride films on silicon by Brillouin light scattering. <i>Thin Solid Films</i> , 1997, 310, 34-38.	1.8	46
43	Magnetic Normal Modes in Squared Antidot Array With Circular Holes: A Combined Brillouin Light Scattering and Broadband Ferromagnetic Resonance Study. <i>IEEE Transactions on Magnetics</i> , 2010, 46, 172-178.	2.1	45
44	Universal dependence of the spin wave band structure on the geometrical characteristics of two-dimensional magnonic crystals. <i>Scientific Reports</i> , 2015, 5, 10367.	3.3	43
45	Spin-wave nonreciprocity and magnonic band structure in a thin permalloy film induced by dynamical coupling with an array of Ni stripes. <i>Physical Review B</i> , 2017, 96, .	3.2	43
46	In situ Brillouin scattering study of the thickness dependence of magnetic anisotropy in uncovered and Cu-covered Fe/GaAs(100) ultrathin films. <i>Physical Review B</i> , 2004, 69, .	3.2	42
47	Spin-Wave Diode and Circulator Based on Unidirectional Coupling. <i>Physical Review Applied</i> , 2020, 14, .	3.8	42
48	Magnetic properties of layered nanostructures studied by means of Brillouin light scattering and the surface magneto-optical Kerr effect. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 8199-8233.	1.8	41
49	Magnetization switching in alternating width nanowire arrays. <i>Physical Review B</i> , 2007, 75, .	3.2	41
50	Brillouin light scattering investigation of magnetostatic modes in symmetric and asymmetric NiFe/Cu/NiFe layered wires. <i>Physical Review B</i> , 2004, 70, .	3.2	39
51	Spin-Hall nano-oscillator with oblique magnetization and Dzyaloshinskii-Moriya interaction as generator of skyrmions and nonreciprocal spin-waves. <i>Scientific Reports</i> , 2016, 6, 36020.	3.3	38
52	Reprogrammable magnonic band structure of layered permalloy/Cu/permalloy nanowires. <i>Physical Review B</i> , 2018, 97, .	3.2	38
53	Finite size effects in patterned magnetic permalloy films. <i>Journal of Applied Physics</i> , 2000, 87, 5633-5635.	2.5	37
54	Brillouin light scattering studies of 2D magnonic crystals. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 073001.	1.8	36

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55	Modification of Dzyaloshinskii-Moriya-Interaction-Stabilized Domain Wall Chirality by Driving Currents. <i>Physical Review Letters</i> , 2018, 121, 147203.	7.8	35
56	Experimental and theoretical analysis of Landauer erasure in nano-magnetic switches of different sizes. <i>Nano Energy</i> , 2016, 19, 108-116.	16.0	34
57	Propagating spin waves excited by spin-transfer torque: A combined electrical and optical study. <i>Physical Review B</i> , 2015, 92, .	3.2	32
58	Application of Microfocused Brillouin Light Scattering to the Study of Spin Waves in Low-Dimensional Magnetic Systems. <i>Solid State Physics</i> , 2012, 63, 79-150.	0.5	30
59	Asymmetry of spin wave dispersions in a hexagonal magnonic crystal. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	27
60	Collective spin excitations in bicomponent magnonic crystals consisting of bilayer permalloy/Fe nanowires. <i>Physical Review B</i> , 2016, 93, .	3.2	27
61	Reprogrammability and Scalability of Magnonic Fibonacci Quasicrystals. <i>Physical Review Applied</i> , 2019, 11, .	3.8	27
62	Unidirectional spin-wave propagation and devices. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 123001.	2.8	26
63	Spin wave excitations in exchange-coupled [Co/Pd]-NiFe films with tunable tilting of the magnetization. <i>Physical Review B</i> , 2013, 87, .	3.2	25
64	Brillouin light scattering study of magnetic-element normal modes in a square artificial spin ice geometry. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 015003.	2.8	25
65	Spin wave eigenmodes of square permalloy dots studied by Brillouin light scattering. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 316, e338-e341.	2.3	24
66	Magnetodynamical response of large-area close-packed arrays of circular dots fabricated by nanosphere lithography. <i>Physical Review B</i> , 2013, 87, .	3.2	23
67	Spin-wave dynamics in artificial anti-spin-ice systems: Experimental and theoretical investigations. <i>Physical Review B</i> , 2018, 98, .	3.2	23
68	Structural and magnetic properties of epitaxial Cu/Fe/Cu/Si(111) ultrathin films. <i>Physical Review B</i> , 1999, 60, 17150-17161.	3.2	22
69	Magnetic properties of submicron circular permalloy dots. <i>IEEE Transactions on Magnetics</i> , 2002, 38, 2532-2534.	2.1	22
70	Field dependence of spin excitations in NiFe/Cu/NiFe trilayered circular dots. <i>Physical Review B</i> , 2006, 73, .	3.2	22
71	Magnetostatic and exchange coupling in the magnetization reversal of trilayer nanodots. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 134014.	2.8	22
72	Setup of a new Brillouin light scattering apparatus with submicrometric lateral resolution and its application to the study of spin modes in nanomagnets. <i>Journal of Applied Physics</i> , 2009, 105, 07D521.	2.5	22

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73	Spin waves in perpendicularly magnetized Co/Ni(111) multilayers in the presence of magnetic domains. <i>Physical Review B</i> , 2012, 86, .	3.2	21
74	Soft magnonic modes in two-dimensional permalloy antidot lattices. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 336002.	1.8	21
75	Magnonic band gap and mode hybridization in continuous permalloy films induced by vertical dynamic coupling with an array of permalloy ellipses. <i>Physical Review B</i> , 2018, 98, .	3.2	21
76	From micro- to nanomagnetic dots: evolution of the eigenmode spectrum on reducing the lateral size. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 265001.	2.8	20
77	Magnetic and structural properties of Fe/Al multilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 2002, 242-245, 535-537.	2.3	19
78	High frequency magnetic excitations in patterned NiFe/Cu/NiFe trilayered stripes subjected to a transverse magnetic field. <i>Journal of Applied Physics</i> , 2006, 100, 023906.	2.5	19
79	Angle-resolved spin wave band diagrams of square antidot lattices studied by Brillouin light scattering. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	19
80	Thickness dependence of spin wave excitations in an artificial square spin ice-like geometry. <i>Journal of Applied Physics</i> , 2017, 121, .	2.5	19
81	Large Spin-Charge Conversion at Room Temperature in Extended Epitaxial Sb ₂ Te ₃ Topological Insulator Chemically Grown on Silicon. <i>Advanced Functional Materials</i> , 2022, 32, 2109361.	14.9	19
82	Spin wave modes in submicron cylindrical dots. <i>Journal of Applied Physics</i> , 2003, 93, 7607-7609.	2.5	18
83	Lagrangian formulation of the linear autonomous magnetization dynamics in spin-torque auto-oscillators. <i>Applied Mathematics and Computation</i> , 2011, 217, 8204-8215.	2.2	18
84	Coupled spin waves in trilayer films and nanostripes of permalloy separated by nonmagnetic spacers: Brillouin light scattering and theory. <i>Physical Review B</i> , 2013, 87, .	3.2	18
85	Absence of stable collinear configurations in Ni(001) ultrathin films: Canted domain structure as ground state. <i>Physical Review B</i> , 2002, 65, .	3.2	17
86	Spin-wave activation by spin-polarized current pulse in magnetic nanopillars. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 2330-2334.	2.3	17
87	Effect of Interdot Separation on Collective Magnonic Modes in Chains of Rectangular Dots. <i>IEEE Transactions on Magnetics</i> , 2011, 47, 1563-1566.	2.1	17
88	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.	1.9	17
89	Magnetic normal modes of bicomponent permalloy/cobalt structures in the parallel and antiparallel ground state. <i>Physical Review B</i> , 2014, 90, .	3.2	17
90	[Co/Pd]-CoFeB exchange spring magnets with tunable gap of spin wave excitations. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 495004.	2.8	17

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91	<p> $\text{Co}_{40}\text{Fe}_{60}$ </p> <p> $\text{Co}_{40}\text{Fe}_{60}$ </p>	3.8	17
92	Influence of annealing on Co/Au multilayers: a structural and magnetic study. Thin Solid Films, 2003, 428, 102-106.	1.8	16
93	Effect of interdot dipolar coupling on the magnetic properties of permalloy nano-cylinders. Surface Science, 2006, 600, 4143-4146.	1.9	16
94	Propagation of Spin Waves Excited in a Permalloy Film by a Finite-Ground Coplanar Waveguide: A Combined Phase-Sensitive Micro-Focused Brillouin Light Scattering and Micromagnetic Study. IEEE Transactions on Magnetics, 2013, 49, 1033-1036.	2.1	16
95	Field-controlled rotation of spin-wave nanochannels in bi-component magnonic crystals. Journal Physics D: Applied Physics, 2014, 47, 325001.	2.8	16
96	Spin wave filtering and guiding in Permalloy/iron nanowires. Journal of Magnetism and Magnetic Materials, 2018, 450, 51-59.	2.3	16
97	Magnonic band structure in CoFeB/Ta/NiFe meander-shaped magnetic bilayers. Applied Physics Letters, 2021, 118, .	3.3	16
98	fcc to bcc phase transition of epitaxial Fe/Cu(111) films: a structural and magnetic study. Surface Science, 1999, 433-435, 680-684.	1.9	15
99	In situ investigation of ultrathin Fe/Cu(110) films by Brillouin light scattering. Journal of Applied Physics, 2001, 89, 7383-7385.	2.5	15
100	Spin-wave frequency discretization in submicron rectangular prisms. Journal of Applied Physics, 2003, 93, 7595-7597.	2.5	15
101	Magnetization reversal process in elliptical Permalloy nanodots. Thin Solid Films, 2006, 515, 727-730.	1.8	15
102	Shape and thickness effects on the magnetization reversal of Py/Cu/Co nanostructures. Journal of Magnetism and Magnetic Materials, 2009, 321, 3038-3041.	2.3	15
103	Elastic and magnetic properties of Co/Cu multilayers studied by Brillouin spectroscopy. Journal of Magnetism and Magnetic Materials, 1997, 165, 424-427.	2.3	14
104	Effect of annealing on the magnetic properties of sputtered Co/Cu multilayers. Journal of Magnetism and Magnetic Materials, 1999, 198-199, 363-365.	2.3	14
105	Double magnetization reorientation in epitaxial Cu/Ni/Cu/Si(111) ultra-thin films. Surface Science, 1999, 433-435, 685-689.	1.9	14
106	Magnetic properties of uniaxial synthetic antiferromagnets for spin-valve applications. Physical Review B, 2005, 71, .	3.2	14
107	Magnetization Configurations in NiFe Slotted Rings Studied by Magneto-Optical Kerr Effect and Magnetic Force Microscopy. IEEE Transactions on Magnetics, 2012, 48, 1269-1272.	2.1	14
108	Collective spin waves on a nanowire array with step-modulated thickness. Journal Physics D: Applied Physics, 2014, 47, 105003.	2.8	14

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109	Perpendicular magnetization in epitaxial Cu/Fe/Cu/Si(111) ultrathin films. <i>Surface Science</i> , 2000, 454-456, 891-895.	1.9	13
110	Theory of Brillouin cross section for scattering from magnetic multilayers: Second-order magneto-optic effect in Ni/Cu bilayers and trilayers. <i>Physical Review B</i> , 2001, 63, .	3.2	13
111	Exchange coupling in FeTaN-FeSm-FeTaN multilayers: a Kerr effect study. <i>IEEE Transactions on Magnetics</i> , 2002, 38, 2779-2781.	2.1	13
112	Magnetic properties of perpendicularly magnetized Co/Au multilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 2002, 240, 526-528.	2.3	13
113	Field evolution of the magnetic normal modes in elongated permalloy nanometric rings. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 406229.	1.8	13
114	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.	2.8	13
115	Collective spin waves in arrays of permalloy nanowires with single-side periodically modulated width. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	13
116	Spin-wave wavelength down-conversion at thickness steps. <i>Applied Physics Express</i> , 2018, 11, 053002.	2.4	13
117	Electronic states and magnetism of ultrathin Fe/Cu/Si(111) films. <i>Surface Science</i> , 2001, 476, 43-53.	1.9	12
118	Dependence of the perpendicular anisotropy in Co/Au multilayers on the number of repetitions. <i>Journal of Applied Physics</i> , 2003, 93, 7241-7243.	2.5	12
119	Thickness dependence of magnetic anisotropy in thin Ni films electrodeposited onto the (011) and (001) surfaces of n-GaAs. <i>Journal of Applied Physics</i> , 2005, 97, 10J102.	2.5	12
120	Spin dynamics of multilayered nanoelements with different shapes studied by Brillouin light scattering technique. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 134023.	2.8	12
121	Static and dynamical properties of circular NiFe•Cu•Co nanodisks. <i>Journal of Applied Physics</i> , 2008, 103, 07C512.	2.5	12
122	Study of the spin excitations in antidot lattices with line defects. <i>Physica B: Condensed Matter</i> , 2014, 435, 152-155.	2.7	12
123	Nonreciprocity of backward volume spin wave beams excited by the curved focusing transducer. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	12
124	Tunable Damping in Magnetic Nanowires Induced by Chiral Pumping of Spin Waves. <i>ACS Nano</i> , 2021, 15, 9076-9083.	14.6	12
125	Spin waves and magnetic anisotropy in ultrathin (111)-oriented cubic films. <i>Journal of Physics Condensed Matter</i> , 1998, 10, 2171-2180.	1.8	11
126	Asymmetry in the static and dynamic magnetic properties of a weak exchange spring trilayer. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 286, 479-483.	2.3	11

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127	Magic-angle magnonic nanocavity in a magnetic moiré superlattice. <i>Physical Review B</i> , 2022, 105, .	3.2	11
128	Metal-metal epitaxy on silicon: Cu/Ni/Cu ultrathin films on 7Å–7-Si(111). <i>Surface Science</i> , 2000, 449, 218-226.	1.9	10
129	Structure and magnetism of Fe/Cu() thin films. <i>Surface Science</i> , 2002, 507-510, 324-329.	1.9	10
130	Experimental Evidence of Field-Induced Localization of Spin Excitations in NiFe Elliptical Rings by Micro-Focused Brillouin Light Scattering. <i>IEEE Transactions on Magnetics</i> , 2010, 46, 1531-1536.	2.1	10
131	Temperature evolution of self-organized stripe domains in ultrathin Fe films on MnAs/GaAs(001). <i>Physical Review B</i> , 2010, 82, .	3.2	10
132	Nonreciprocal spin-wave dynamics in Pt/Co/W/Co/Pt multilayers. <i>Physical Review B</i> , 2021, 103, .	3.2	10
133	Magnetic anisotropy in thin-Ni[001] films: comparison between static and dynamic techniques. <i>IEEE Transactions on Magnetics</i> , 2002, 38, 2649-2651.	2.1	9
134	Antiferromagnetic coupling in perpendicularly magnetized Ni/Cu/Ni epitaxial trilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 2002, 240, 461-463.	2.3	9
135	Magnetic Fe stripes created by self-organized MnAs template: Stripe edge pinning and high-frequency properties. <i>Physical Review B</i> , 2009, 80, .	3.2	9
136	Dipolar interaction in dense chains of submicrometric rectangular dots. <i>Journal of Physics: Conference Series</i> , 2010, 200, 072089.	0.4	9
137	Micromagnetic study of minimum-energy dissipation during Landauer erasure of either isolated or coupled nanomagnetic switches. <i>Physical Review B</i> , 2014, 90, .	3.2	9
138	Exchange-dominated eigenmodes in sub-100nm permalloy dots: A micromagnetic study at finite temperature. <i>Journal of Applied Physics</i> , 2014, 115, 17D119.	2.5	9
139	Spin wave eigenmodes in single and coupled sub-150nm rectangular permalloy dots. <i>Journal of Applied Physics</i> , 2015, 117, 17A316.	2.5	9
140	Magnetization dynamics of single-domain nanodots and minimum energy dissipation during either irreversible or reversible switching. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 453002.	2.8	9
141	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.	3.3	9
142	Ferromagnetic resonance of Co thin films grown by atomic layer deposition on the Sb ₂ Te ₃ topological insulator. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 509, 166885.	2.3	9
143	Electron-beam lithography patterning of magnetic nickel films. <i>Microelectronic Engineering</i> , 2001, 57-58, 931-937.	2.4	8
144	Patterned Magnetic Permalloy and Nickel Films: Fabrication by Electron Beam and X-Ray Lithographic Techniques. <i>Japanese Journal of Applied Physics</i> , 2002, 41, 5149-5152.	1.5	8

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145	Thickness dependence of magnetic anisotropy in ultrathin Co/GaAs(001) films. <i>Surface Science</i> , 2004, 566-568, 246-251.	1.9	8
146	Interlayer exchange coupling in Co/Ru/Co trilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 286, 468-472.	2.3	8
147	Brillouin light scattering study of exchange-coupled Fe/Co magnetic multilayers. <i>Journal of Physics Condensed Matter</i> , 2005, 17, 6483-6494.	1.8	8
148	Anisotropy effects on the magnetic excitations of epitaxial ultrathin films below and above the Curie temperature. <i>Surface Science</i> , 2006, 600, 4147-4150.	1.9	8
149	Magnonic Band Structure and Filtering Properties of Square Antidot Lattices in Different Configurations: A Micromagnetic Study. <i>IEEE Magnetics Letters</i> , 2015, 6, 1-4.	1.1	8
150	Spin wave dispersion and intensity correlation in width-modulated nanowire arrays: A Brillouin light scattering study. <i>Journal of Applied Physics</i> , 2018, 124, .	2.5	8
151	Brillouin light scattering study of ferromagnetically coupled Cu/Fe(110)/Cu/Fe(110)/Cu/Si(111) heterostructures: Bilinear exchange magnetic coupling. <i>Physical Review B</i> , 2000, 62, 16109-16115.	3.2	7
152	Interface effects on the magnetic properties of exchange coupled Co/Fe multilayers studied by Brillouin light scattering. <i>Journal of Magnetism and Magnetic Materials</i> , 2001, 226-230, 1767-1769.	2.3	7
153	Spin-wave spectra in nanometric elliptical dots arrays. <i>IEEE Transactions on Magnetics</i> , 2003, 39, 2750-2752.	2.1	7
154	Influence of Au capping layer on the magnetic properties of Fe/GaAs(001) ultrathin films. <i>Surface Science</i> , 2007, 601, 4311-4315.	1.9	7
155	Influence of interlayer dipolar coupling on magnetization reversal and high-frequency dynamics in asymmetric NiFe/Cu/NiFe circular nanorings. <i>Journal of Applied Physics</i> , 2008, 104, 063510.	2.5	7
156	Spin Modes in Elliptical Nanorings in the Vortex State: Two-Dimensional Mapping by Micro-Focused Brillouin Light Scattering. <i>IEEE Transactions on Magnetics</i> , 2010, 46, 199-202.	2.1	7
157	Magnetization Reversal of Rectangular Particles: Closure States and Effect of Dipolar Coupling. <i>IEEE Transactions on Magnetics</i> , 2012, 48, 1593-1596.	2.1	7
158	Spin Wave Dispersion in Permalloy Antidot Array With Alternating Holes Diameter. <i>IEEE Transactions on Magnetics</i> , 2013, 49, 3093-3096.	2.1	7
159	Magnetic Anisotropy of Fe/Cu(110) Films Studied by in-situ Brillouin Light Scattering. <i>Physica Status Solidi A</i> , 2002, 189, 403-407.	1.7	6
160	Field dependence of collective spin modes in transversely magnetized stripes with homogeneous and alternating width. <i>Journal of Applied Physics</i> , 2009, 105, .	2.5	6
161	Spatial profile of spin excitations in multilayered rectangular nanodots studied by microfocused Brillouin light scattering. <i>Journal of Applied Physics</i> , 2011, 109, 07B901.	2.5	6
162	Resonant spin-wave modes in trilayered magnetic nanowires studied in the parallel and antiparallel ground state. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 384, 45-48.	2.3	6

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163	Micro-focused Brillouin light scattering study of the magnetization dynamics driven by Spin Hall effect in a transversely magnetized NiFe nanowire. <i>Journal of Applied Physics</i> , 2015, 117, 17D504.	2.5	6
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