

Gianluca Gubbiotti

List of Publications by Year in descending order

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227
papers

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66343

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2981
citing authors

#	ARTICLE	IF	CITATIONS
1	Large Spin-to-Charge Conversion at Room Temperature in Extended Epitaxial Sb ₂ Te ₃ Topological Insulator Chemically Grown on Silicon. Advanced Functional Materials, 2022, 32, 2109361.	14.9	19
2	Unidirectional spin-wave propagation and devices. Journal Physics D: Applied Physics, 2022, 55, 123001.	2.8	26
3	Reconfigurable 3D magnonic crystal: Tunable and localized spin-wave excitations in CoFeB meander-shaped film. Journal of Magnetism and Magnetic Materials, 2022, 544, 168670.	2.3	4
4	Advances in Magnetics Roadmap on Spin-Wave Computing. IEEE Transactions on Magnetics, 2022, 58, 1-72.	2.1	179
5	Magic-angle magnonic nanocavity in a magnetic moiré superlattice. Physical Review B, 2022, 105, .	3.2	11
6	Anomalous anisotropic spin-wave propagation in thin manganite films with uniaxial magnetic anisotropy. Applied Physics Letters, 2022, 120, .	3.3	3
7	Magnonic band structure in CoFeB/Ta/NiFe meander-shaped magnetic bilayers. Applied Physics Letters, 2021, 118, .	3.3	16
8	Nonreciprocal spin-wave dynamics in Pt/Co/W/Co/Pt multilayers. Physical Review B, 2021, 103, .	3.2	10
9	Tunable Damping in Magnetic Nanowires Induced by Chiral Pumping of Spin Waves. ACS Nano, 2021, 15, 9076-9083.	14.6	12
10	The 2021 Magnonics Roadmap. Journal of Physics Condensed Matter, 2021, 33, 413001.	1.8	287
11	Magnonic Band Structure in Vertical Meander-Shaped $\text{Co}_{40}\text{Mn}_{40}\text{Fe}_{20}$	3.8	17
12	Controlling the three dimensional propagation of spin waves in continuous ferromagnetic films with an increasing out of plane undulation. Scientific Reports, 2021, 11, 21344.	3.3	4
13	Collective spin waves in arrays of asymmetric and symmetric width nanowires: effect of the film layering sequence. Journal Physics D: Applied Physics, 2020, 53, 135001.	2.8	1
14	Spin Waves Interference under Excitation by Focusing Transducers: Logic and Signal Processing. Semiconductors, 2020, 54, 1716-1720.	0.5	0
15	Effect of exchange and dipolar interlayer interactions on the magnonic band structure of dense Fe/Cu/Py nanowires with symmetric and asymmetric layer widths. Physical Review B, 2020, 101, .	3.2	4
16	Ferromagnetic resonance of Co thin films grown by atomic layer deposition on the Sb ₂ Te ₃ topological insulator. Journal of Magnetism and Magnetic Materials, 2020, 509, 166885.	2.3	9
17	Spin-Wave Diode and Circulator Based on Unidirectional Coupling. Physical Review Applied, 2020, 14, .	3.8	42
18	Spin Waves Focused Beams in YIG Films. , 2020, , .		0

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19	Excitation of unidirectional exchange spin waves by a nanoscale magnetic grating. Physical Review B, 2019, 100, .	3.2	111
20	Reprogrammability and Scalability of Magnonic Fibonacci Quasicrystals. Physical Review Applied, 2019, 11, .	3.8	27
21	Interplay between intra- and inter-nanowires dynamic dipolar interactions in the spin wave band structure of Py/Cu/Py nanowires. Scientific Reports, 2019, 9, 4617.	3.3	9
22	Brillouin Light Scattering Study of Spin Dynamics in Patterned Nano-Elements: From Single-Layer to Multilayered Structures. , 2019, , 41-79.		1
23	Spin-wave wavelength down-conversion at thickness steps. Applied Physics Express, 2018, 11, 053002.	2.4	13
24	Reprogrammable magnonic band structure of layered permalloy/Cu/permalloy nanowires. Physical Review B, 2018, 97, .	3.2	38
25	Spin wave filtering and guiding in Permalloy/iron nanowires. Journal of Magnetism and Magnetic Materials, 2018, 450, 51-59.	2.3	16
26	Control of spin-wave transmission by a programmable domain wall. Nature Communications, 2018, 9, 4853.	12.8	82
27	Magnonic band gap and mode hybridization in continuous permalloy films induced by vertical dynamic coupling with an array of permalloy ellipses. Physical Review B, 2018, 98, .	3.2	21
28	Modification of Dzyaloshinskii-Moriya-Interaction-Stabilized Domain Wall Chirality by Driving Currents. Physical Review Letters, 2018, 121, 147203.	7.8	35
29	Nonreciprocity of backward volume spin wave beams excited by the curved focusing transducer. Applied Physics Letters, 2018, 113, .	3.3	12
30	Spin wave dispersion and intensity correlation in width-modulated nanowire arrays: A Brillouin light scattering study. Journal of Applied Physics, 2018, 124, .	2.5	8
31	Spin-wave dynamics in artificial anti-spin-ice systems: Experimental and theoretical investigations. Physical Review B, 2018, 98, .	3.2	23
32	Tailoring the spin waves band structure of 1D magnonic crystals consisting of L-shaped iron/permalloy nanowires. Journal Physics D: Applied Physics, 2017, 50, 105002.	2.8	13
33	Thickness dependence of spin wave excitations in an artificial square spin ice-like geometry. Journal of Applied Physics, 2017, 121, .	2.5	19
34	Interfacial Dzyaloshinskii-Moriya Interaction in Pt/CoFeB Films: Effect of the Heavy-Metal Thickness. Physical Review Letters, 2017, 118, 147201.	7.8	165
35	Brillouin light scattering studies of 2D magnonic crystals. Journal of Physics Condensed Matter, 2017, 29, 073001.	1.8	36
36	Magnetization dynamics of single-domain nanodots and minimum energy dissipation during either irreversible or reversible switching. Journal Physics D: Applied Physics, 2017, 50, 453002.	2.8	9

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37	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
38	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
39	Collective spin waves in arrays of permalloy nanowires with single-side periodically modulated width. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	13
40	Spin Waves on Spin Structures: Topology, Localization, and Nonreciprocity. , 2017, , 219-260.		2
41	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
42	Competing anisotropies in exchange-biased nanostructured thin films. <i>Physical Review B</i> , 2016, 94, .	3.2	2
43	Collective spin excitations in bicomponent magnonic crystals consisting of bilayer permalloy/Fe nanowires. <i>Physical Review B</i> , 2016, 93, .	3.2	27
44	Snell's Law for Spin Waves. <i>Physical Review Letters</i> , 2016, 117, 037204.	7.8	87
45	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
46	Propagating spin waves excited by spin-transfer torque: A combined electrical and optical study. <i>Physical Review B</i> , 2015, 92, .	3.2	32
47	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
48	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
49	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
50	Spin wave eigenmodes in single and coupled sub-150nm rectangular permalloy dots. <i>Journal of Applied Physics</i> , 2015, 117, 17A316.	2.5	9
51	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
52	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
53	Role of the antiferromagnetic pinning layer on spin wave properties in IrMn/NiFe based spin-valves. <i>Journal of Applied Physics</i> , 2015, 117, 17D150.	2.5	1
54	Spin-hall nano-oscillator: A study based on the synchronization. , 2015, , .		0

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55	Field-controlled rotation of spin-wave nanochannels in bi-component magnonic crystals. Journal Physics D: Applied Physics, 2014, 47, 325001.	2.8	16
56	Magnetic normal modes of bicomponent permalloy/cobalt structures in the parallel and antiparallel ground state. Physical Review B, 2014, 90, .	3.2	17
57	Micromagnetic study of minimum-energy dissipation during Landauer erasure of either isolated or coupled nanomagnetic switches. Physical Review B, 2014, 90, .	3.2	9
58	Exchange-dominated eigenmodes in sub-100nm permalloy dots: A micromagnetic study at finite temperature. Journal of Applied Physics, 2014, 115, 17D119.	2.5	9
59	Collective spin waves on a nanowire array with step-modulated thickness. Journal Physics D: Applied Physics, 2014, 47, 105003.	2.8	14
60	Micromagnetic simulation of energy consumption and excited eigenmodes in elliptical nanomagnetic switches. Physica B: Condensed Matter, 2014, 435, 4-7.	2.7	4
61	Study of the spin excitations in antidot lattices with line defects. Physica B: Condensed Matter, 2014, 435, 152-155.	2.7	12
62	[Co/Pd]-CoFeB exchange spring magnets with tunable gap of spin wave excitations. Journal Physics D: Applied Physics, 2014, 47, 495004.	2.8	17
63	From micro- to nanomagnetic dots: evolution of the eigenmode spectrum on reducing the lateral size. Journal Physics D: Applied Physics, 2014, 47, 265001.	2.8	20
64	Spin-Hall nano-oscillator: A micromagnetic study. Applied Physics Letters, 2014, 105, .	3.3	55
65	Field dependence of the magnetic eigenmode frequencies in layered nanowires with ferromagnetic and antiferromagnetic ground states: experimental and theoretical study. Journal Physics D: Applied Physics, 2014, 47, 365001.	2.8	4
66	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
67	Soft magnonic modes in two-dimensional permalloy antidot lattices. Journal of Physics Condensed Matter, 2013, 25, 336002.	1.8	21
68	Spin Wave Dispersion in Permalloy Antidot Array With Alternating Holes Diameter. IEEE Transactions on Magnetics, 2013, 49, 3093-3096.	2.1	7
69	Multiplets of Collective Spin-Wave Modes During Magnetization Reversal in a One-Dimensional Magnonic Crystal Consisting of Alternating-Width Nano-Stripes. IEEE Transactions on Magnetics, 2013, 49, 3089-3092.	2.1	3
70	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
71	Nonreciprocity of spin waves in metallized magnonic crystal. New Journal of Physics, 2013, 15, 113023.	2.9	69
72	Spin Wave Band Structure in Two-Dimensional Magnonic Crystals. Topics in Applied Physics, 2013, , 205-221.	0.8	5

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73	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
74	Coupled spin waves in trilayer films and nanostripes of permalloy separated by nonmagnetic spacers: Brillouin light scattering and theory. Physical Review B, 2013, 87, .	3.2	18
75	Magnetodynamical response of large-area close-packed arrays of circular dots fabricated by nanosphere lithography. Physical Review B, 2013, 87, .	3.2	23
76	Spin wave excitations in exchange-coupled [Co/Pd]-NiFe films with tunable tilting of the magnetization. Physical Review B, 2013, 87, .	3.2	25
77	Asymmetry of spin wave dispersions in a hexagonal magnonic crystal. Applied Physics Letters, 2013, 102, .	3.3	27
78	Epitaxial Fe films on ZnSe(001): effect of the substrate surface reconstruction on the magnetic anisotropy. Journal of Physics Condensed Matter, 2012, 24, 236006.	1.8	1
79	Collective spin waves in a bicomponent two-dimensional magnonic crystal. Applied Physics Letters, 2012, 100, 162407.	3.3	48
80	Forbidden Band Gaps in the Spin-Wave Spectrum of a Two-Dimensional Bicomponent Magnonic Crystal. Physical Review Letters, 2012, 109, 137202.	7.8	102
81	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
82	Spin waves in perpendicularly magnetized Co/Ni(111) multilayers in the presence of magnetic domains. Physical Review B, 2012, 86, .	3.2	21
83	Application of Microfocused Brillouin Light Scattering to the Study of Spin Waves in Low-Dimensional Magnetic Systems. Solid State Physics, 2012, 63, 79-150.	0.5	30
84	Bragg diffraction of spin waves from a two-dimensional antidot lattice. Physical Review B, 2012, 85, .	3.2	71
85	Magnetization Reversal of Rectangular Particles: Closure States and Effect of Dipolar Coupling. IEEE Transactions on Magnetics, 2012, 48, 1593-1596.	2.1	7
86	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
87	Effect of Interdot Separation on Collective Magnonic Modes in Chains of Rectangular Dots. IEEE Transactions on Magnetics, 2011, 47, 1563-1566.	2.1	17
88	Spatial control of spin-wave modes in Ni ₈₀ Fe ₂₀ antidot lattices by embedded Co nanodisks. Applied Physics Letters, 2011, 99, .	3.3	69
89	Spatial profile of spin excitations in multilayered rectangular nanodots studied by microfocused Brillouin light scattering. Journal of Applied Physics, 2011, 109, 07B901.	2.5	6
90	Direct observation of a propagating spin wave induced by spin-transfer torque. Nature Nanotechnology, 2011, 6, 635-638.	31.5	321

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91	Band Diagram of Spin Waves in a Two-Dimensional Magnonic Crystal. <i>Physical Review Letters</i> , 2011, 107, 127204.	7.8	93
92	Magnonic minibands in antidot lattices with large spin-wave propagation velocities. <i>Physical Review B</i> , 2011, 84, .	3.2	69
93	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
94	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
95	Collective spin modes in chains of dipolarly interacting rectangular magnetic dots. <i>Physical Review B</i> , 2011, 83, .	3.2	59
96	Dipolar interaction in dense chains of submicrometric rectangular dots. <i>Journal of Physics: Conference Series</i> , 2010, 200, 072089.	0.4	9
97	Magnetic normal modes of elliptical NiFe nanoring studied by micro-focused Brillouin light scattering. <i>Journal of Physics: Conference Series</i> , 2010, 200, 042008.	0.4	5
98	Anisotropic Propagation and Damping of Spin Waves in a Nanopatterned Antidot Lattice. <i>Physical Review Letters</i> , 2010, 105, 067208.	7.8	122
99	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
100	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
101	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
102	Angular Dependence of Magnetic Normal Modes in NiFe Antidot Lattices With Different Lattice Symmetry. <i>IEEE Transactions on Magnetics</i> , 2010, 46, 1440-1443.	2.1	56
103	Magnetic dot clusters for application in magneto-electronics. <i>Microelectronic Engineering</i> , 2010, 87, 1614-1616.	2.4	3
104	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
105	Anisotropic dynamical coupling for propagating collective modes in a two-dimensional magnonic crystal consisting of interacting squared nanodots. <i>Physical Review B</i> , 2010, 82, .	3.2	75
106	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, .	3.2	77
107	Brillouin light scattering studies of planar metallic magnonic crystals. <i>Journal Physics D: Applied Physics</i> , 2010, 43, 264003.	2.8	187
108	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

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109	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
110	Magnetization reversal and spin waves in exchange coupled NiFe/Cu/Co nanodisks. <i>Journal of Applied Physics</i> , 2009, 105, 07C115.	2.5	5
111	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
112	Brillouin light scattering study of the spin dynamics in nanoscale permalloy stripes: Theory and experiment. <i>Microelectronics Journal</i> , 2009, 40, 598-600.	2.0	5
113	Shape and thickness effects on the magnetization reversal of Py/Cu/Co nanostructures. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 3038-3041.	2.3	15
114	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
115	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
116	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
117	Magnetostatic and exchange coupling in the magnetization reversal of trilayer nanodots. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 134014.	2.8	22
118	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
119	Spin waves in exchange-biased NiFe/IrMn circular nanorings. <i>Journal of Applied Physics</i> , 2008, 103, 07C103.	2.5	5
120	Static and dynamical properties of circular NiFe/Cu/Co nanodisks. <i>Journal of Applied Physics</i> , 2008, 103, 07C512.	2.5	12
121	Partial frequency band gap in one-dimensional magnonic crystals. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	94
122	Magnetization reversal and soft modes in nanorings: Transitions between onion and vortex states studied by Brillouin light scattering. <i>Physical Review B</i> , 2008, 78, .	3.2	58
123	Reversal mechanisms in alternating width nanowires. <i>Journal of Applied Physics</i> , 2008, 103, 07D528.	2.5	3
124	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
125	Discrete modes of a ferromagnetic stripe dipolarly coupled to a ferromagnetic film: a Brillouin light scattering study. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 246221.	1.8	4
126	Dipole-exchange propagating spin-wave modes in metallic ferromagnetic stripes. <i>Physical Review B</i> , 2007, 76, .	3.2	92

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127	Collective spin modes in monodimensional magnonic crystals consisting of dipolarly coupled nanowires. Applied Physics Letters, 2007, 90, 092503.	3.3	128
128	Soft spin waves and magnetization reversal in elliptical Permalloy nanodots: Experiments and dynamical matrix results. Physical Review B, 2007, 76, .	3.2	52
129	Effect of eccentricity on the spin-wave spectrum of NiFe/Cu/NiFe pillars with elliptical cross section. Journal of Applied Physics, 2007, 101, 09F502.	2.5	4
130	Influence of Au capping layer on the magnetic properties of Fe/GaAs(001) ultrathin films. Surface Science, 2007, 601, 4311-4315.	1.9	7
131	Cross-over from coherent rotation to inhomogeneous reversal mode in interacting ferromagnetic nanowires. Journal of Magnetism and Magnetic Materials, 2007, 316, e31-e34.	2.3	5
132	Spin wave eigenmodes of square permalloy dots studied by Brillouin light scattering. Journal of Magnetism and Magnetic Materials, 2007, 316, e338-e341.	2.3	24
133	Effect of Variable Biquadratic Exchange Coupling on the Magnetic Hysteresis of Uniaxial Antiferromagnetic Co/Ru/Co Films. IEEE Transactions on Magnetics, 2007, 43, 4056-4059.	2.1	4
134	Magnetization switching in alternating width nanowire arrays. Physical Review B, 2007, 75, .	3.2	41
135	Normal mode splitting in interacting arrays of cylindrical permalloy dots. Journal of Applied Physics, 2006, 99, 08C701.	2.5	54
136	Comparison of frequency, field, and time domain ferromagnetic resonance methods. Journal of Magnetism and Magnetic Materials, 2006, 307, 148-156.	2.3	119
137	Effect of interdot dipolar coupling on the magnetic properties of permalloy nano-cylinders. Surface Science, 2006, 600, 4143-4146.	1.9	16
138	Anisotropy effects on the magnetic excitations of epitaxial ultrathin films below and above the Curie temperature. Surface Science, 2006, 600, 4147-4150.	1.9	8
139	Magnetization reversal process in elliptical Permalloy nanodots. Thin Solid Films, 2006, 515, 727-730.	1.8	15
140	Intrinsic magnetic anisotropy versus coupling in arrays of closely spaced circular Fe/GaAs(110) dots, patterned by focused ion beam. Thin Solid Films, 2006, 515, 739-743.	1.8	5
141	High frequency magnetic excitations in patterned NiFe/Cu/NiFe trilayered stripes subjected to a transverse magnetic field. Journal of Applied Physics, 2006, 100, 023906.	2.5	19
142	Splitting of Spin Excitations in Nanometric Rings Induced by a Magnetic Field. Physical Review Letters, 2006, 97, 247203.	7.8	48
143	Field dependence of spin excitations in NiFe/Cu/NiFe trilayered circular dots. Physical Review B, 2006, 73, .	3.2	22
144	Thickness dependence of magnetic anisotropy in uncovered and Cu-covered Fe/GaAs(110) ultrathin films studied by in situ Brillouin light scattering. Journal of Applied Physics, 2006, 99, 08J701.	2.5	2

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145	Measurement of spin waves and activation volumes in superparamagnetic Fe films on GaAs(100). Physical Review B, 2006, 74, .	3.2	2
146	Interlayer exchange coupling in Co/Ru/Co trilayers. Journal of Magnetism and Magnetic Materials, 2005, 286, 468-472.	2.3	8
147	Asymmetry in the static and dynamic magnetic properties of a weak exchange spring trilayer. Journal of Magnetism and Magnetic Materials, 2005, 286, 479-483.	2.3	11
148	Brillouin light scattering study of exchange-coupled Fe/Co magnetic multilayers. Journal of Physics Condensed Matter, 2005, 17, 6483-6494.	1.8	8
149	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
150	Thickness dependence of magnetic anisotropy in thin Ni films electrodeposited onto the (011) and (001) surfaces of n-GaAs. Journal of Applied Physics, 2005, 97, 10J102.	2.5	12
151	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
152	Magnetic properties of uniaxial synthetic antiferromagnets for spin-valve applications. Physical Review B, 2005, 71, .	3.2	14
153	Brillouin light scattering investigation of magnetostatic modes in symmetric and asymmetric NiFe/Cu/NiFe layered wires. Physical Review B, 2004, 70, .	3.2	39
154	In situ Brillouin scattering study of the thickness dependence of magnetic anisotropy in uncovered and Cu-covered Fe/GaAs(100) ultrathin films. Physical Review B, 2004, 69, .	3.2	42
155	Thickness dependence of magnetic anisotropy in ultrathin Co/GaAs(001) films. Surface Science, 2004, 566-568, 246-251.	1.9	8
156	Structural and magnetic properties of exchange-spring FeTaN/FeSm/FeTaN multilayers. Surface Science, 2004, 566-568, 285-290.	1.9	4
157	Magnetic properties of rectangular permalloy prisms: a combined magnetic force microscopy and magneto-optic Kerr study. Surface Science, 2004, 566-568, 291-296.	1.9	2
158	In situ Brillouin scattering investigation of thin Fe/Cu(1 1 1) films. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E807-E809.	2.3	0
159	Magnetization reversal in exchange-coupled FeTaN/FeSm/FeTaN multilayers. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E949-E950.	2.3	4
160	Spin excitations of nanometric cylindrical dots in vortex and saturated magnetic states. Physical Review B, 2004, 70, .	3.2	144
161	Simultaneous existence of two spin-wave modes in ultrathin Fe/GaAs(001) films studied by Brillouin light scattering: Experiment and theory. Physical Review B, 2004, 70, .	3.2	3
162	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

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163	Influence of annealing on Co/Au multilayers: a structural and magnetic study. <i>Thin Solid Films</i> , 2003, 428, 102-106.	1.8	16
164	Exchange coupling in symmetric Co/Cr/Co trilayer: a Brillouin light scattering study. <i>Physica Status Solidi A</i> , 2003, 196, 16-19.	1.7	4
165	Spin-wave spectra in nanometric elliptical dots arrays. <i>IEEE Transactions on Magnetics</i> , 2003, 39, 2750-2752.	2.1	7
166	Brillouin light scattering investigation of dynamic spin modes confined in cylindrical Permalloy dots. <i>Physical Review B</i> , 2003, 68, .	3.2	61
167	Spin-wave frequency discretization in submicron rectangular prisms. <i>Journal of Applied Physics</i> , 2003, 93, 7595-7597.	2.5	15
168	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
169	Spin wave modes in submicron cylindrical dots. <i>Journal of Applied Physics</i> , 2003, 93, 7607-7609.	2.5	18
170	In situ brillouin scattering investigation of spin waves during the fcc to bcc transition of Fe/Cu[100] films. <i>IEEE Transactions on Magnetics</i> , 2003, 39, 2708-2710.	2.1	1
171	X-Ray Lithography Patterning of Magnetic Materials and Their Characterization. <i>Japanese Journal of Applied Physics</i> , 2003, 42, 3802-3806.	1.5	4
172	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
173	Exchange coupling in FeTaN-FeSm-FeTaN multilayers: a Kerr effect study. <i>IEEE Transactions on Magnetics</i> , 2002, 38, 2779-2781.	2.1	13
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