

M P Kostylev

List of Publications by Year in descending order

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181
papers

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53794

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3307
citing authors

#	ARTICLE	IF	CITATIONS
1	Fe-Co co-doping effects on antiferromagnetic core of NiO nanoparticles. <i>Ceramics International</i> , 2022, 48, 3435-3447.	4.8	2
2	Magneto-Electronic Hydrogen Gas Sensors: A Critical Review. <i>Chemosensors</i> , 2022, 10, 49.	3.6	12
3	Iron oxide-Palladium core-shell nanospheres for ferromagnetic resonance-based hydrogen gas sensing. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 8155-8163.	7.1	4
4	Advances in Magnetics Roadmap on Spin-Wave Computing. <i>IEEE Transactions on Magnetics</i> , 2022, 58, 1-72.	2.1	179
5	Theoretical model for nonlinear spin-wave transient processes in active-ring oscillators with variable gain and its application for magnonic reservoir computing. <i>Journal of Applied Physics</i> , 2022, 131, .	2.5	11
6	The effect of hydrogen gas on Pd/[Co/Pd] ₃₀ /Pd multilayer thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 551, 169184.	2.3	2
7	Competing Magnetic States and M-H Loop Splitting in Core-Shell NiO Nanoparticles. <i>Nanotechnology</i> , 2022, , .	2.6	0
8	Effect of Hydrogen Gas on Ferromagnetic Resonance Properties of Ni-Co-Pd Ternary Alloy Films. <i>IEEE Transactions on Magnetics</i> , 2021, 57, 1-5.	2.1	4
9	Enhancing computational performance of a spin-wave reservoir computer with input synchronization. <i>Journal of Applied Physics</i> , 2021, 129, .	2.5	27
10	Implementing a Magnonic Reservoir Computer Model Based on Time-Delay Multiplexing. <i>Physical Review Applied</i> , 2021, 15, .	3.8	35
11	Effects of hydrogen absorption on magnetism in Ni ₈₀ Fe ₂₀ /Y/Pd trilayers. <i>Physical Review B</i> , 2021, 104, .	3.2	2
12	Progressive development of spin wave chaos in active-ring oscillators. <i>Physical Review B</i> , 2021, 104, .	3.2	8
13	Spin-orbit coupling in scattering of very low-energy spin-polarized electrons from Co film by (e,2e) spectroscopy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2020, 241, 146809.	1.7	0
14	Collective spin waves in arrays of asymmetric and symmetric width nanowires: effect of the film layering sequence. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 135001.	2.8	1
15	Controlling the propagation of dipole-exchange spin waves using local inhomogeneity of the anisotropy. <i>Physical Review B</i> , 2020, 102, .	3.2	5
16	Spin-Wave Relaxation by Eddy Currents in $Y_3Fe_5O_{12}$ Bilayers and a Way to Suppress It. <i>Physical Review Applied</i> , 2020, 14, .	3.8	12
17	Manipulation of the inverse spin Hall effect in palladium by absorption of hydrogen gas. <i>Physical Review B</i> , 2020, 101, .	3.2	9
18	Reservoir Computing Using a Spin-Wave Delay-Line Active-Ring Resonator Based on Yttrium-Iron-Garnet Film. <i>Physical Review Applied</i> , 2020, 13, .	3.8	48

#	ARTICLE	IF	CITATIONS
19	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, .	3.2	4
20	Magnetic homogeneity in Fe-Mn co-doped NiO nanoparticles. <i>Nanotechnology</i> , 2020, 31, 475701.	2.6	12
21	Towards experimental observation of parametrically squeezed states of microwave magnons in yttrium iron garnet films. <i>Physical Review B</i> , 2019, 100, .	3.2	13
22	In Operando Study of the Hydrogen-Induced Switching of Magnetic Anisotropy at the Co/Pd Interface for Magnetic Hydrogen Gas Sensing. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 35420-35428.	8.0	12
23	Proposal for a microwave photon to optical photon converter based on traveling magnons in thin magnetic films. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 484, 329-344.	2.3	18
24	Scattering of a magnetostatic surface spin wave from a one-dimensional step potential in a ferromagnetic film. <i>Journal of Applied Physics</i> , 2019, 125, .	2.5	3
25	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
26	Observation of enhanced magnetic anisotropy in PLD YIG thin film on GGG (1Å^{-1}) substrate. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 483, 191-195.	2.3	9
27	Sensitivity of ferromagnetic resonance in PdCo alloyed films to hydrogen gas. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 7715-7724.	7.1	14
28	Impact of Hydrogen Gas on the Inverse Spin Hall Effect in Palladium/Cobalt Bilayer Films. <i>IEEE Magnetics Letters</i> , 2018, 9, 1-4.	1.1	6
29	Cavity magnon polaritons with lithium ferrite and three-dimensional microwave resonators at millikelvin temperatures. <i>Physical Review B</i> , 2018, 97, .	3.2	28
30	Spin wave filtering and guiding in Permalloy/iron nanowires. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 450, 51-59.	2.3	16
31	Response enhancement of a magnetic-film based hydrogen gas sensor using size reduction to microchip dimensions. , 2018, , .		1
32	Effect of Annealing on the Structural and FMR Properties of Epitaxial Yig Thin Films Grown by RF Magnetron Sputtering. , 2018, , .		0
33	Effect of Annealing on the Structural and FMR Properties of Epitaxial YIG Thin Films Grown by RF Magnetron Sputtering. <i>IEEE Transactions on Magnetics</i> , 2018, 54, 1-5.	2.1	10
34	Effect of Hydrogen Gas on the FMR Absorption Amplitude of Pd/Co Layered Films. <i>IEEE Transactions on Magnetics</i> , 2018, 54, 1-5.	2.1	5
35	In situ ferromagnetic resonance capability on a polarized neutron reflectometry beamline. <i>Journal of Applied Crystallography</i> , 2018, 51, 9-16.	4.5	5
36	Adjustable sensitivity for hydrogen gas sensing using perpendicular-to-plane ferromagnetic resonance in Pd/Co Bi-layer films. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 3407-3414.	7.1	25

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37	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
38	Programmability of Co-antidot lattices of optimized geometry. Scientific Reports, 2017, 7, 41157.	3.3	10
39	A two dimensional analytical model for the study of ferromagnetic resonance responses of single and multilayer films. Journal of Applied Physics, 2017, 121, .	2.5	4
40	Ferromagnetic resonance investigation of physical origins of modification of the perpendicular magnetic anisotropy in Pd/Co layered films in the presence of hydrogen gas. Journal of Applied Physics, 2017, 122, .	2.5	12
41	Magnetization dynamics of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Ni} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 80 \langle \text{mml:mns} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 20 \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 80 \langle \text{mml:mns} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 20 \langle \text{mml:mi} \rangle$ nanowires with continuous width modulation. Physical Review B, 2017, 95, .		
42	Hydrogen Absorption in Metal Thin Films and Heterostructures Investigated in Situ with Neutron and X-ray Scattering. Metals, 2016, 6, 125.	2.3	21
43	Coupling of microwave magnetic dynamics in thin ferromagnetic films to stripline transducers in the geometry of the broadband stripline ferromagnetic resonance. Journal of Applied Physics, 2016, 119, .	2.5	11
44	Exchange-mediated, nonlinear, out-of-plane magnetic field dependence of the ferromagnetic vortex gyrotropic mode frequency driven by core deformation. Physical Review B, 2016, 94, .	3.2	7
45	Theoretical Study of the Stripline Ferromagnetic Resonance Response of Metallic Ferromagnetic Films Based on an Analytical Model. Spin, 2016, 06, 1640015.	1.3	4
46	Microwave magnetic dynamics in ferromagnetic metallic nanostructures lacking inversion symmetry. Journal of Applied Physics, 2016, 119, .	2.5	14
47	Electrical measurement of magnetic-field-impeded polarity switching of a ferromagnetic vortex core. Physical Review B, 2016, 94, .	3.2	6
48	Resonance-Based Detection of Magnetic Nanoparticles and Microbeads Using Nanopatterned Ferromagnets. Physical Review Applied, 2016, 6, .	3.8	18
49	Publisher's Note: Electrical measurement of magnetic-field-impeded polarity switching of a ferromagnetic vortex core [Phys. Rev. B 94, 100402(R) (2016)]. Physical Review B, 2016, 94, .	3.2	1
50	Nanopatterning-Enhanced Sensitivity and Response Time of Dynamic Palladium/Cobalt/Palladium Hydrogen Gas Sensors. Advanced Materials Technologies, 2016, 1, 1600097.	5.8	33
51	Collective spin excitations in bicomponent magnonic crystals consisting of bilayer permalloy/Fe nanowires. Physical Review B, 2016, 93, .	3.2	27
52	Elastic versus inelastic spin-polarized electron scattering from a ferromagnetic surface. Physical Review B, 2016, 94, .	3.2	3
53	Sensitivity Enhancement of a Pd/Co Bilayer Film for Hydrogen Gas Sensing Using a Perpendicular-to-Plane Ferromagnetic Resonance Configuration. IEEE Transactions on Magnetics, 2016, 52, 1-3.	2.1	12
54	Frequency nonreciprocity of surface spin wave in permalloy thin films. Physical Review B, 2016, 93, .	3.2	89

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55	Excitation of plasmons in Ag/Fe/W structure by spin-polarized electrons. Applied Physics Letters, 2015, 107, .	3.3	1
56	Measuring acoustic mode resonance alone as a sensitive technique to extract antiferromagnetic coupling strength. Physical Review B, 2015, 92, .	3.2	10
57	Broadband stripline ferromagnetic resonance spectroscopy of ferromagnetic films, multilayers and nanostructures. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 69, 253-293.	2.7	133
58	Axially and radially quantized spin waves in thick permalloy nanodots. Physical Review B, 2015, 92, .	3.2	11
59	Spin wave spectra in perpendicularly magnetized permalloy rings. Applied Physics Letters, 2015, 106, 112403.	3.3	7
60	Controlling spin-orbit interaction in a ferromagnetic Fe/Au double layer. Applied Physics Letters, 2015, 106, 042404.	3.3	2
61	Rigorous numerical study of strong microwave photon-magnon coupling in all-dielectric magnetic multilayers. Journal of Applied Physics, 2015, 117, .	2.5	10
62	A rigorous two-dimensional model for the stripline ferromagnetic resonance response of metallic ferromagnetic films. Journal of Applied Physics, 2015, 117, 053908.	2.5	8
63	Sensing magnetic nanoparticles using nano-confined ferromagnetic resonances in a magnonic crystal. Applied Physics Letters, 2015, 106, .	3.3	44
64	Experimental study of spin-wave dispersion in Py/Pt film structures in the presence of an interface Dzyaloshinskii-Moriya interaction. Physical Review B, 2015, 91, .	3.2	98
65	Pd/Co bi-layer films for microwave-frequency hydrogen gas sensing applications. , 2014, , .		7
66	Study of photon-magnon coupling in a YIG-film split-ring resonant system. Journal of Applied Physics, 2014, 116, .	2.5	86
67	Strong Eddy-Current Shielding of Ferromagnetic Resonance Response in Sub-Skin-Depth-Thick Conducting Magnetic Multilayers. IEEE Magnetics Letters, 2014, 5, 1-4.	1.1	12
68	Standing spin-wave mode structure and linewidth in partially disordered hexagonal arrays of perpendicularly magnetized sub-micron Permalloy discs. Journal of Applied Physics, 2014, 116, 113909.	2.5	3
69	Microwave eddy-current shielding effect in metallic films and periodic nanostructures of sub-skin-depth thicknesses and its impact on stripline ferromagnetic resonance spectroscopy. Journal of Applied Physics, 2014, 116, .	2.5	32
70	Microwave magnetic dynamics in highly conducting magnetic nanostructures. Journal of Applied Physics, 2014, 115, 173903.	2.5	13
71	High-Cooperativity Cavity QED with Magnons at Microwave Frequencies. Physical Review Applied, 2014, 2, .	3.8	407
72	Magnetization Reversal of Disorder-Induced Ferromagnetic Regions in Fe ₆₀ /Al ₄₀ Thin Films. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	7

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73	The phase accumulation and antenna near field of microscopic propagating spin wave devices. Applied Physics Letters, 2014, 104, 032408.	3.3	23
74	Collective spin waves on a nanowire array with step-modulated thickness. Journal Physics D: Applied Physics, 2014, 47, 105003.	2.8	14
75	Transverse magneto-optical Kerr effect in subwavelength dielectric gratings. Optics Express, 2014, 22, 8720.	3.4	39
76	Interface boundary conditions for dynamic magnetization and spin wave dynamics in a ferromagnetic layer with the interface Dzyaloshinskii-Moriya interaction. Journal of Applied Physics, 2014, 115, .	2.5	69
77	Nonreciprocal Oersted field contribution to the current-induced frequency shift of magnetostatic surface waves. Physical Review B, 2014, 89, .	3.2	17
78	Non-reciprocity of dipole-exchange spin waves in thin ferromagnetic films. Journal of Applied Physics, 2013, 113, .	2.5	48
79	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
80	Probing surface magnetism by spin-polarized electron spectroscopy: Fe film on W(110). Surface Science, 2013, 617, 22-28.	1.9	4
81	Magneto-resistance behavior of bi-component antidot nanostructures. Europhysics Letters, 2013, 103, 67002.	2.0	7
82	Impact of eddy currents on the dispersion relation of surface spin waves in thin conducting magnetic films. Journal Physics D: Applied Physics, 2013, 46, 495001.	2.8	13
83	Magnetic and FMR Study on $\text{CoFe}_{2}\text{O}_{4}/\text{ZnFe}_{2}\text{O}_{4}$ Bilayers. IEEE Transactions on Magnetics, 2013, 49, 4200-4203.	2.1	1
84	Resonance properties of bi-component arrays of magnetic dots magnetized perpendicular to their planes. Journal of Applied Physics, 2013, 114, .	2.5	6
85	Static and dynamic magnetic properties of $\text{Ni}_{80}\text{Fe}_{20}$ anti-ring nanostructures. Physical Review B, 2013, 88, .	3.2	13
86	Impact of conducting nonmagnetic layers on the magnetization dynamics in thin-film magnetic nanostructures. Journal of Applied Physics, 2013, 113, 043927.	2.5	25
87	Plasmon-assisted high reflectivity and strong magneto-optical Kerr effect in permalloy gratings. Applied Physics Letters, 2013, 102, .	3.3	30
88	Metallic spintronic thin film as a hydrogen sensor. Applied Physics Letters, 2013, 102, .	3.3	66
89	Resonant frequencies of a binary magnetic nanowire. Physical Review B, 2013, 87, .	3.2	24
90	Waveguide-based ferromagnetic resonance measurements of metallic ferromagnetic films in transmission and reflection. Journal of Applied Physics, 2013, 113, 053908.	2.5	14

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91	Frequency dependent FMR studies on pulsed laser ablated YIG films deposited on (111) GGG substrate. , 2013, , .		0
92	Realization of a mesoscopic reprogrammable magnetic logic based on a nanoscale reconfigurable magnonic crystal. Applied Physics Letters, 2012, 100, .	3.3	69
93	Broadband ferromagnetic resonance spectroscopy of permalloy triangular nanorings. Applied Physics Letters, 2012, 100, 062401.	3.3	21
94	Transmission of microwaves through exchange-coupled bi-layer magnetic films in ferromagnetic and standing spin wave resonances. Journal of Applied Physics, 2012, 112, .	2.5	13
95	Collective spin waves in a bicomponent two-dimensional magnonic crystal. Applied Physics Letters, 2012, 100, 162407.	3.3	48
96	High-symmetry magnonic modes in antidot lattices magnetized perpendicular to the lattice plane. Physical Review B, 2012, 85, .	3.2	29
97	Brillouin light scattering spectroscopy of parametrically excited dipole-exchange magnons. Physical Review B, 2012, 86, .	3.2	63
98	Microwave properties of Ni-based ferromagnetic inverse opals. Physical Review B, 2012, 86, .	3.2	16
99	Storage-Recovery Phenomenon in Magnonic Crystal. Physical Review Letters, 2012, 108, 257207.	7.8	74
100	Characterization of Exchange-Biased CoFe/(Co,Fe)O Thin Films by Magnetometry and Ferromagnetic Resonance Techniques. IEEE Transactions on Magnetics, 2011, 47, 1614-1618.	2.1	7
101	Generation of the second harmonic by spin waves propagating in microscopic stripes. Physical Review B, 2011, 83, .	3.2	32
102	Magnonic Crystal as a Medium with Tunable Disorder on a Periodical Lattice. Physical Review Letters, 2011, 107, 047205.	7.8	85
103	Excitation of short-wavelength spin waves in magnonic waveguides. Applied Physics Letters, 2011, 99, 082507.	3.3	97
104	Coplanar probe microwave current injection ferromagnetic resonance of magnetic nanostructures. Europhysics Letters, 2011, 96, 57007.	2.0	10
105	Radiation of Caustic Beams from a Collapsing Bullet. Physical Review Letters, 2011, 106, 134101.	7.8	20
106	Magnetic hysteresis of dynamic response of one-dimensional magnonic crystals consisting of homogenous and alternating width nanowires observed with broadband ferromagnetic resonance. Physical Review B, 2011, 84, .	3.2	69
107	Field- and geometry-controlled avoided crossings of spin-wave modes in reprogrammable magnonic crystals. Physical Review B, 2011, 84, .	3.2	27
108	Effect of disorder studied with ferromagnetic resonance for arrays of tangentially magnetized submicron Permalloy disks fabricated by nanosphere lithography. Journal of Applied Physics, 2011, 109, 013906.	2.5	10

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109	Influence of Ni buffer layer on spin-related electronic properties of Co film on W(110) studied by spin-polarized single- and two-electron spectroscopy. Physical Review B, 2011, 84, .	3.2	13
110	Magneto-optical observation of four-wave scattering in a 15-nm Ni Fe film during large-angle magnetization precession. Physical Review B, 2011, 84, .	3.2	11
111	Exchange anisotropy pinning of a standing spin-wave mode. Physical Review B, 2011, 83, .	3.2	23
112	Probing La Sr MnO $_3$ film during large-angle magnetization precession. Physical Review B, 2011, 84, .	3.2	18
113	Variable damping and coherence in a high-density magnon gas. Physical Review B, 2011, 83, .	3.2	10
114	Field tunable localization of spin waves in antidot arrays. Applied Physics Letters, 2011, 98, .	3.3	32
115	Spin-wave tunnelling through a mechanical gap. Europhysics Letters, 2010, 90, 27003.	2.0	28
116	Coupled oscillations in noncollinear microscale rectangular magnets. Physical Review B, 2010, 82, .	3.2	12
117	Magnetization pinning in conducting films demonstrated using broadband ferromagnetic resonance. Journal of Applied Physics, 2010, 108, 103914.	2.5	25
118	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
119	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
120	Stochastic properties and Brillouin light scattering response of thermally driven collective magnonic modes on the arrays of dipole coupled nanostripes. Physical Review B, 2010, 81, .	3.2	20
121	Magnetization pinning at a Py/Co interface measured using broadband inductive magnetometry. Journal of Applied Physics, 2010, 108, .	2.5	34
122	Brillouin light scattering studies of planar metallic magnonic crystals. Journal Physics D: Applied Physics, 2010, 43, 264003.	2.8	187
123	Making a Reconfigurable Artificial Crystal by Ordering Bistable Magnetic Nanowires. Physical Review Letters, 2010, 104, 207205.	7.8	175
124	Nondiffractive Subwavelength Wave Beams in a Medium with Externally Controlled Anisotropy. Physical Review Letters, 2010, 104, 197203.	7.8	102
125	Strong asymmetry of microwave absorption by bilayer conducting ferromagnetic films in the microstrip-line based broadband ferromagnetic resonance. Journal of Applied Physics, 2009, 106, .	2.5	47
126	Frequency-dependent reflection of spin waves from a magnetic inhomogeneity induced by a surface direct current. Applied Physics Letters, 2009, 94, .	3.3	16

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127	Design and optimization of one-dimensional ferrite-film based magnonic crystals. Journal of Applied Physics, 2009, 105, .	2.5	70
128	A current-controlled, dynamic magnonic crystal. Journal Physics D: Applied Physics, 2009, 42, 205005.	2.8	158
129	Scattering of surface and volume spin waves in a magnonic crystal. Applied Physics Letters, 2009, 94, .	3.3	117
130	Excitation of microwaveguide modes by a stripe antenna. Applied Physics Letters, 2009, 95, .	3.3	185
131	Spin-wave propagation in a microstructured magnonic crystal. Applied Physics Letters, 2009, 95, .	3.3	168
132	Realization of spin-wave logic gates. Applied Physics Letters, 2008, 92, .	3.3	584
133	Brillouin light scattering observation of the transition from the superparamagnetic to the superferromagnetic state in nanogranular (SiO ₂)Co films. Journal of Applied Physics, 2008, 104, .	2.5	18
134	Scattering of backward spin waves in a one-dimensional magnonic crystal. Applied Physics Letters, 2008, 93, .	3.3	182
135	Propagating volume and localized spin wave modes on a lattice of circular magnetic antidots. Journal of Applied Physics, 2008, 103, 07C507.	2.5	51
136	Formation of Guided Spin-Wave Bullets in Ferrimagnetic Film Stripes. Physical Review Letters, 2008, 101, 137204.	7.8	22
137	Phase reciprocity of spin-wave excitation by a microstrip antenna. Physical Review B, 2008, 77, .	3.2	146
138	Ferromagnetic Resonance Investigation of Macroscopic Arrays of Magnetic Nanoelements Fabricated Using Polystyrene Nanosphere Lithographic Mask Technique. IEEE Transactions on Magnetics, 2008, 44, 2741-2744.	2.1	18
139	Partial frequency band gap in one-dimensional magnonic crystals. Applied Physics Letters, 2008, 92, .	3.3	94
140	Spin-wave modes in granular superferromagnetic SiO_2/Co observed using Brillouin light scattering. Physical Review B, 2008, 78, .	3.2	9
141	Spin-Wave Ferromagnetic Film Combiner as a NOT Logic Gate. Journal of Nanoelectronics and Optoelectronics, 2008, 3, 69-71.	0.5	22
142	Calculation of spin wave mode response induced by a coplanar microwave line. Journal of Applied Physics, 2007, 101, 09D107.	2.5	17
143	Publisher's Note: Resonant and nonresonant scattering of dipole-dominated spin waves from a region of inhomogeneous magnetic field in a ferromagnetic film [Phys. Rev. B76, 184419 (2007)]. Physical Review B, 2007, 76, .	3.2	0
144	Shaping of microwave pulses using phase-sensitive spin-wave amplifier. Applied Physics Letters, 2007, 90, 022502.	3.3	6

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145	Nonlinear mode conversion in monodomain magnetic squares. <i>Physical Review B</i> , 2007, 76, .	3.2	15
146	Linear and nonlinear phase accumulation of backward volume magnetostatic spin waves in yttrium-iron-garnet spin-wave waveguides. <i>Europhysics Letters</i> , 2007, 77, 57002.	2.0	5
147	Dipole-exchange propagating spin-wave modes in metallic ferromagnetic stripes. <i>Physical Review B</i> , 2007, 76, .	3.2	92
148	Confinement quantization of parallel pump instability threshold in a metallic ferromagnetic stripe. <i>Applied Physics Letters</i> , 2007, 90, 012507.	3.3	17
149	Collective spin modes in monodimensional magnonic crystals consisting of dipolarly coupled nanowires. <i>Applied Physics Letters</i> , 2007, 90, 092503.	3.3	128
150	Parametric spin wave excitation and cascaded processes during switching in thin films. <i>Physical Review B</i> , 2007, 75, .	3.2	23
151	Resonant and nonresonant scattering of dipole-dominated spin waves from a region of inhomogeneous magnetic field in a ferromagnetic film. <i>Physical Review B</i> , 2007, 76, .	3.2	68
152	Spin-wave eigenmodes of an infinite thin film with periodically modulated exchange bias field. <i>Applied Physics Letters</i> , 2006, 88, 112504.	3.3	25
153	Parametric generation of soliton-like spin wave pulses in ferromagnetic thin-film ring resonators. <i>Journal of Experimental and Theoretical Physics</i> , 2006, 102, 497-508.	0.9	8
154	Phase-sensitive Brillouin light scattering spectroscopy from spin-wave packets. <i>Applied Physics Letters</i> , 2006, 89, 063506.	3.3	57
155	Two-dimensional microwave nonlinear spin-wave pulses in in-plane confided magnetic films. , 2006, , .		0
156	Phase-Sensitive Brillouin Light Scattering Spectroscopy. , 2006, , .		0
157	Excitation of bright and dark envelope solitons for magnetostatic waves with attractive nonlinearity. <i>Physical Review B</i> , 2005, 71, .	3.2	45
158	Magnetostatic interaction in arrays of nanometric permalloy wires: A magneto-optic Kerr effect and a Brillouin light scattering study. <i>Physical Review B</i> , 2005, 72, .	3.2	110
159	Spin-wave excitations in finite rectangular elements of Ni ₈₀ Fe ₂₀ . <i>Physical Review B</i> , 2005, 72, .	3.2	143
160	Spin-wave logical gates. <i>Applied Physics Letters</i> , 2005, 87, 153501.	3.3	403
161	Nonlinear damping of high-power magnetostatic waves in yttrium-iron-garnet films. <i>Journal of Applied Physics</i> , 2004, 95, 6294-6301.	2.5	46
162	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

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163	Spin-waves in ferromagnetic double layers: effect of a lateral patterning. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004, 1, 1587-1590.	0.8	5
164	Collective magnetostatic modes on a one-dimensional array of ferromagnetic stripes. <i>Physical Review B</i> , 2004, 69, .	3.2	72
165	Tunneling of Dipolar Spin Waves through a Region of Inhomogeneous Magnetic Field. <i>Physical Review Letters</i> , 2004, 93, 047201.	7.8	107
166	Parametric generation of solitonlike spin-wave pulses in ring resonators based on ferromagnetic films. <i>JETP Letters</i> , 2003, 77, 300-304.	1.4	9
167	Collision properties of quasi-one-dimensional spin wave solitons and two-dimensional spin wave bullets. <i>Chaos</i> , 2003, 13, 693-701.	2.5	29
168	Self-generation of spin-wave envelope soliton trains with different periods. <i>JETP Letters</i> , 2002, 76, 253-257.	1.4	10
169	Excitation, generation, and propagation of soliton-like spin-wave pulses in ferromagnetic films: Numerical calculation and experiment. <i>Technical Physics</i> , 2002, 47, 1350-1358.	0.7	2
170	On amplification of the spin wave envelope solitons in ferromagnetic films. <i>Technical Physics</i> , 2000, 45, 277-280.	0.7	6
171	Observation of spin-wave envelope Dark solitons in ferromagnetic films. <i>JETP Letters</i> , 2000, 72, 213-216.	1.4	15
172	Spatial and spatiotemporal self-focusing of spin waves in garnet films observed by space- and time-resolved Brillouin light scattering. <i>Journal of Applied Physics</i> , 2000, 87, 5088-5090.	2.5	16
173	Collisions of Spin Wave Envelope Solitons and Self-Focused Spin Wave Packets in Yttrium Iron Garnet Films. <i>Physical Review Letters</i> , 1999, 82, 4320-4323.	7.8	34
174	Amplification of Microwave Magnetic Envelope Solitons in Thin Yttrium Iron Garnet Films by Parallel Pumping. <i>Physical Review Letters</i> , 1998, 80, 1976-1979.	7.8	53
175	Observation of the amplification of spin-wave envelope solitons in ferromagnetic films by parallel magnetic pumping. <i>JETP Letters</i> , 1997, 66, 371-375.	1.4	12
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