

M P Kostylev

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3176365/publications.pdf>

Version: 2024-02-01

181
papers

7,348
citations

53794

45
h-index

60623

81
g-index

184
all docs

184
docs citations

184
times ranked

3307
citing authors

#	ARTICLE	IF	CITATIONS
1	Realization of spin-wave logic gates. Applied Physics Letters, 2008, 92, .	3.3	584
2	High-Cooperativity Cavity QED with Magnons at Microwave Frequencies. Physical Review Applied, 2014, 2, .	3.8	407
3	Spin-wave logical gates. Applied Physics Letters, 2005, 87, 153501.	3.3	403
4	Brillouin light scattering studies of planar metallic magnonic crystals. Journal Physics D: Applied Physics, 2010, 43, 264003.	2.8	187
5	Excitation of microwaveguide modes by a stripe antenna. Applied Physics Letters, 2009, 95, .	3.3	185
6	Scattering of backward spin waves in a one-dimensional magnonic crystal. Applied Physics Letters, 2008, 93, .	3.3	182
7	Advances in Magnetism Roadmap on Spin-Wave Computing. IEEE Transactions on Magnetism, 2022, 58, 1-72.	2.1	179
8	Making a Reconfigurable Artificial Crystal by Ordering Bistable Magnetic Nanowires. Physical Review Letters, 2010, 104, 207205.	7.8	175
9	Spin-wave propagation in a microstructured magnonic crystal. Applied Physics Letters, 2009, 95, .	3.3	168
10	A current-controlled, dynamic magnonic crystal. Journal Physics D: Applied Physics, 2009, 42, 205005.	2.8	158
11	Phase reciprocity of spin-wave excitation by a microstrip antenna. Physical Review B, 2008, 77, .	3.2	146
12	Spin-wave excitations in finite rectangular elements of Ni ₈₀ Fe ₂₀ . Physical Review B, 2005, 72, .	3.2	143
13	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
14	Collective spin modes in monodimensional magnonic crystals consisting of dipolarly coupled nanowires. Applied Physics Letters, 2007, 90, 092503.	3.3	128
15	Scattering of surface and volume spin waves in a magnonic crystal. Applied Physics Letters, 2009, 94, .	3.3	117
16	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
17	Tunneling of Dipolar Spin Waves through a Region of Inhomogeneous Magnetic Field. Physical Review Letters, 2004, 93, 047201.	7.8	107
18	Nondiffractive Subwavelength Wave Beams in a Medium with Externally Controlled Anisotropy. Physical Review Letters, 2010, 104, 197203.	7.8	102

#	ARTICLE	IF	CITATIONS
19	Experimental study of spin-wave dispersion in Py/Pt film structures in the presence of an interface Dzyaloshinskii-Moriya interaction. <i>Physical Review B</i> , 2015, 91, .	3.2	98
20	Excitation of short-wavelength spin waves in magnonic waveguides. <i>Applied Physics Letters</i> , 2011, 99, 082507.	3.3	97
21	The dipole-exchange spin wave spectrum for anisotropic ferromagnetic films with mixed exchange boundary conditions. <i>Journal of Physics Condensed Matter</i> , 1990, 2, 9861-9877.	1.8	95
22	Partial frequency band gap in one-dimensional magnonic crystals. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	94
23	Dipole-exchange propagating spin-wave modes in metallic ferromagnetic stripes. <i>Physical Review B</i> , 2007, 76, .	3.2	92
24	Frequency nonreciprocity of surface spin wave in permalloy thin films. <i>Physical Review B</i> , 2016, 93, .	3.2	89
25	Study of photon-magnon coupling in a YIG-film split-ring resonant system. <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	86
26	Magnonic Crystal as a Medium with Tunable Disorder on a Periodical Lattice. <i>Physical Review Letters</i> , 2011, 107, 047205.	7.8	85
27	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
28	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
29	Storage-Recovery Phenomenon in Magnonic Crystal. <i>Physical Review Letters</i> , 2012, 108, 257207.	7.8	74
30	Collective magnetostatic modes on a one-dimensional array of ferromagnetic stripes. <i>Physical Review B</i> , 2004, 69, .	3.2	72
31	Design and optimization of one-dimensional ferrite-film based magnonic crystals. <i>Journal of Applied Physics</i> , 2009, 105, .	2.5	70
32	Magnetic hysteresis of dynamic response of one-dimensional magnonic crystals consisting of homogenous and alternating width nanowires observed with broadband ferromagnetic resonance. <i>Physical Review B</i> , 2011, 84, .	3.2	69
33	Realization of a mesoscopic reprogrammable magnetic logic based on a nanoscale reconfigurable magnonic crystal. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	69
34	Interface boundary conditions for dynamic magnetization and spin wave dynamics in a ferromagnetic layer with the interface Dzyaloshinskii-Moriya interaction. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	69
35	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
36	Metallic spintronic thin film as a hydrogen sensor. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	66

#	ARTICLE	IF	CITATIONS
37	Brillouin light scattering spectroscopy of parametrically excited dipole-exchange magnons. Physical Review B, 2012, 86, .	3.2	63
38	Phase-sensitive Brillouin light scattering spectroscopy from spin-wave packets. Applied Physics Letters, 2006, 89, 063506.	3.3	57
39	Amplification of Microwave Magnetic Envelope Solitons in Thin Yttrium Iron Garnet Films by Parallel Pumping. Physical Review Letters, 1998, 80, 1976-1979.	7.8	53
40	Propagating volume and localized spin wave modes on a lattice of circular magnetic antidots. Journal of Applied Physics, 2008, 103, 07C507.	2.5	51
41	Collective spin waves in a bicomponent two-dimensional magnonic crystal. Applied Physics Letters, 2012, 100, 162407.	3.3	48
42	Non-reciprocity of dipole-exchange spin waves in thin ferromagnetic films. Journal of Applied Physics, 2013, 113, .	2.5	48
43	Reservoir Computing Using a Spin-Wave Delay-Line Active-Ring Resonator Based on Yttrium-Iron-Garnet Film. Physical Review Applied, 2020, 13, .	3.8	48
44	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
45	Nonlinear damping of high-power magnetostatic waves in yttrium-iron-garnet films. Journal of Applied Physics, 2004, 95, 6294-6301.	2.5	46
46	Excitation of bright and dark envelope solitons for magnetostatic waves with attractive nonlinearity. Physical Review B, 2005, 71, .	3.2	45
47	Sensing magnetic nanoparticles using nano-confined ferromagnetic resonances in a magnonic crystal. Applied Physics Letters, 2015, 106, .	3.3	44
48	Brillouin light scattering investigation of magnetostatic modes in symmetric and asymmetric NiFe/Cu/NiFe layered wires. Physical Review B, 2004, 70, .	3.2	39
49	Transverse magneto-optical Kerr effect in subwavelength dielectric gratings. Optics Express, 2014, 22, 8720.	3.4	39
50	Implementing a Magnonic Reservoir Computer Model Based on Time-Delay Multiplexing. Physical Review Applied, 2021, 15, .	3.8	35
51	Collisions of Spin Wave Envelope Solitons and Self-Focused Spin Wave Packets in Yttrium Iron Garnet Films. Physical Review Letters, 1999, 82, 4320-4323.	7.8	34
52	Magnetization pinning at a Py/Co interface measured using broadband inductive magnetometry. Journal of Applied Physics, 2010, 108, .	2.5	34
53	Nanopatterning-Enhanced Sensitivity and Response Time of Dynamic Palladium/Cobalt/Palladium Hydrogen Gas Sensors. Advanced Materials Technologies, 2016, 1, 1600097.	5.8	33
54	Generation of the second harmonic by spin waves propagating in microscopic stripes. Physical Review B, 2011, 83, .	3.2	32

#	ARTICLE	IF	CITATIONS
55	Field tunable localization of spin waves in antidot arrays. Applied Physics Letters, 2011, 98, .	3.3	32
56	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
57	Plasmon-assisted high reflectivity and strong magneto-optical Kerr effect in permalloy gratings. Applied Physics Letters, 2013, 102, .	3.3	30
58	Collision properties of quasi-one-dimensional spin wave solitons and two-dimensional spin wave bullets. Chaos, 2003, 13, 693-701.	2.5	29
59	Spin-Wave Excitations in Finite Rectangular Elements. , 0, , 57-103.		29
60	High-symmetry magnonic modes in antidot lattices magnetized perpendicular to the lattice plane. Physical Review B, 2012, 85, .	3.2	29
61	Spin-wave tunnelling through a mechanical gap. Europhysics Letters, 2010, 90, 27003.	2.0	28
62	Cavity magnon polaritons with lithium ferrite and three-dimensional microwave resonators at millikelvin temperatures. Physical Review B, 2018, 97, .	3.2	28
63	Field- and geometry-controlled avoided crossings of spin-wave modes in reprogrammable magnonic crystals. Physical Review B, 2011, 84, .	3.2	27
64	Collective spin excitations in bicomponent magnonic crystals consisting of bilayer permalloy/Fe nanowires. Physical Review B, 2016, 93, .	3.2	27
65	Enhancing computational performance of a spin-wave reservoir computer with input synchronization. Journal of Applied Physics, 2021, 129, .	2.5	27
66	Spin-wave eigenmodes of an infinite thin film with periodically modulated exchange bias field. Applied Physics Letters, 2006, 88, 112504.	3.3	25
67	Magnetization pinning in conducting films demonstrated using broadband ferromagnetic resonance. Journal of Applied Physics, 2010, 108, 103914.	2.5	25
68	Impact of conducting nonmagnetic layers on the magnetization dynamics in thin-film magnetic nanostructures. Journal of Applied Physics, 2013, 113, 043927.	2.5	25
69	Adjustable sensitivity for hydrogen gas sensing using perpendicular-to-plane ferromagnetic resonance in Pd/Co Bi-layer films. International Journal of Hydrogen Energy, 2017, 42, 3407-3414.	7.1	25
70	Resonant frequencies of a binary magnetic nanowire. Physical Review B, 2013, 87, .	3.2	24
71	Parametric spin wave excitation and cascaded processes during switching in thin films. Physical Review B, 2007, 75, .	3.2	23
72	Exchange anisotropy pinning of a standing spin-wave mode. Physical Review B, 2011, 83, .	3.2	23

#	ARTICLE	IF	CITATIONS
73	The phase accumulation and antenna near field of microscopic propagating spin wave devices. Applied Physics Letters, 2014, 104, 032408.	3.3	23
74	Formation of Guided Spin-Wave Bullets in Ferrimagnetic Film Stripes. Physical Review Letters, 2008, 101, 137204.	7.8	22
75	Spin-Wave Ferromagnetic Film Combiner as a NOT Logic Gate. Journal of Nanoelectronics and Optoelectronics, 2008, 3, 69-71.	0.5	22
76	Broadband ferromagnetic resonance spectroscopy of permalloy triangular nanorings. Applied Physics Letters, 2012, 100, 062401.	3.3	21
77	Hydrogen Absorption in Metal Thin Films and Heterostructures Investigated in Situ with Neutron and X-ray Scattering. Metals, 2016, 6, 125.	2.3	21
78	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
79	Radiation of Caustic Beams from a Collapsing Bullet. Physical Review Letters, 2011, 106, 134101.	7.8	20
80	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
81	Ferromagnetic Resonance Investigation of Macroscopic Arrays of Magnetic Nanoelements Fabricated Using Polyesterene Nanosphere Lithographic Mask Technique. IEEE Transactions on Magnetics, 2008, 44, 2741-2744.	2.1	18
82	Probing La _{0.7} Sr _{0.3} MnO ₃ with Brillouin Light Scattering. Physical Review Letters, 2005, 95, 077201.	3.2	18
83	Resonance-Based Detection of Magnetic Nanoparticles and Microbeads Using Nanopatterned Ferromagnets. Physical Review Applied, 2016, 6, .	3.8	18
84	Proposal for a microwave photon to optical photon converter based on traveling magnons in thin magnetic films. Journal of Magnetism and Magnetic Materials, 2019, 484, 329-344.	2.3	18
85	Calculation of spin wave mode response induced by a coplanar microwave line. Journal of Applied Physics, 2007, 101, 09D107.	2.5	17
86	Confinement quantization of parallel pump instability threshold in a metallic ferromagnetic stripe. Applied Physics Letters, 2007, 90, 012507.	3.3	17
87	Nonreciprocal Oersted field contribution to the current-induced frequency shift of magnetostatic surface waves. Physical Review B, 2014, 89, .	3.2	17
88	Spatial and spatiotemporal self-focusing of spin waves in garnet films observed by space- and time-resolved Brillouin light scattering. Journal of Applied Physics, 2000, 87, 5088-5090.	2.5	16
89	Frequency-dependent reflection of spin waves from a magnetic inhomogeneity induced by a surface direct current. Applied Physics Letters, 2009, 94, .	3.3	16
90	Microwave properties of Ni-based ferromagnetic inverse opals. Physical Review B, 2012, 86, .	3.2	16

#	ARTICLE	IF	CITATIONS
91	Spin wave filtering and guiding in Permalloy/iron nanowires. Journal of Magnetism and Magnetic Materials, 2018, 450, 51-59.	2.3	16
92	Observation of spin-wave envelope Dark solitons in ferromagnetic films. JETP Letters, 2000, 72, 213-216.	1.4	15
93	Nonlinear mode conversion in monodomain magnetic squares. Physical Review B, 2007, 76, .	3.2	15
94	Waveguide-based ferromagnetic resonance measurements of metallic ferromagnetic films in transmission and reflection. Journal of Applied Physics, 2013, 113, 053908.	2.5	14
95	Collective spin waves on a nanowire array with step-modulated thickness. Journal Physics D: Applied Physics, 2014, 47, 105003.	2.8	14
96	Microwave magnetic dynamics in ferromagnetic metallic nanostructures lacking inversion symmetry. Journal of Applied Physics, 2016, 119, .	2.5	14
97	Sensitivity of ferromagnetic resonance in PdCo alloyed films to hydrogen gas. International Journal of Hydrogen Energy, 2019, 44, 7715-7724.	7.1	14
98	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
99	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
100	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
101	Static and dynamic magnetic properties of Ni80Fe20anti-ring nanostructures. Physical Review B, 2013, 88, .	3.2	13
102	Microwave magnetic dynamics in highly conducting magnetic nanostructures. Journal of Applied Physics, 2014, 115, 173903.	2.5	13
103	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
104	Towards experimental observation of parametrically squeezed states of microwave magnons in yttrium iron garnet films. Physical Review B, 2019, 100, .	3.2	13
105	Observation of the amplification of spin-wave envelope solitons in ferromagnetic films by parallel magnetic pumping. JETP Letters, 1997, 66, 371-375.	1.4	12
106	Coupled oscillations in noncollinear microscale rectangular magnets. Physical Review B, 2010, 82, .	3.2	12
107	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
108	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

#	ARTICLE	IF	CITATIONS
109	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
110	In Operando Study of the Hydrogen-Induced Switching of Magnetic Anisotropy at the Co/Pd Interface for Magnetic Hydrogen Gas Sensing. ACS Applied Materials & Interfaces, 2019, 11, 35420-35428.	8.0	12
111	Spin-Wave Relaxation by Eddy Currents in $\text{Y}_3\text{Fe}_5\text{O}_{12}$ Bilayers and a Way to Suppress It. Physical Review Applied, 2020, 14, .	3.8	12
112	Magnetic homogeneity in Fe-Mn co-doped NiO nanoparticles. Nanotechnology, 2020, 31, 475701.	2.6	12
113	Magneto-Electronic Hydrogen Gas Sensors: A Critical Review. Chemosensors, 2022, 10, 49.	3.6	12
114	Observation of parametric amplification of propagating dipole-exchange spin waves in yttrium iron garnet films. JETP Letters, 1996, 64, 171-176.	1.4	11
115	Magneto-optical observation of four-wave scattering in a 15-nm NiFe film during large-angle magnetization precession. Physical Review B, 2011, 84, .	3.2	11
116	Axially and radially quantized spin waves in thick permalloy nanodots. Physical Review B, 2015, 92, .	3.2	11
117	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
118	Theoretical model for nonlinear spin-wave transient processes in active-ring oscillators with variable gain and its application for magnonic reservoir computing. Journal of Applied Physics, 2022, 131, .	2.5	11
119	Self-generation of spin-wave envelope soliton trains with different periods. JETP Letters, 2002, 76, 253-257.	1.4	10
120	Coplanar probe microwave current injection ferromagnetic resonance of magnetic nanostructures. Europhysics Letters, 2011, 96, 57007.	2.0	10
121	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
122	Variable damping and coherence in a high-density magnon gas. Physical Review B, 2011, 83, .	3.2	10
123	Measuring acoustic mode resonance alone as a sensitive technique to extract antiferromagnetic coupling strength. Physical Review B, 2015, 92, .	3.2	10
124	Rigorous numerical study of strong microwave photon-magnon coupling in all-dielectric magnetic multilayers. Journal of Applied Physics, 2015, 117, .	2.5	10
125	Programmability of Co-antidot lattices of optimized geometry. Scientific Reports, 2017, 7, 41157.	3.3	10
126	Effect of Annealing on the Structural and FMR Properties of Epitaxial YIG Thin Films Grown by RF Magnetron Sputtering. IEEE Transactions on Magnetics, 2018, 54, 1-5.	2.1	10

#	ARTICLE	IF	CITATIONS
127	Parametric generation of solitonlike spin-wave pulses in ring resonators based on ferromagnetic films. JETP Letters, 2003, 77, 300-304.	1.4	9
128	Spin-wave modes in granular superferromagnetic SiO_2 observed using Brillouin light scattering. Physical Review B, 2008, 78, .	3.2	9
129	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
130	Observation of enhanced magnetic anisotropy in PLD YIG thin film on GGG (1Å^{-1}) substrate. Journal of Magnetism and Magnetic Materials, 2019, 483, 191-195.	2.3	9
131	Manipulation of the inverse spin Hall effect in palladium by absorption of hydrogen gas. Physical Review B, 2020, 101, .	3.2	9
132	Parametric generation of soliton-like spin wave pulses in ferromagnetic thin-film ring resonators. Journal of Experimental and Theoretical Physics, 2006, 102, 497-508.	0.9	8
133	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
134	Progressive development of spin wave chaos in active-ring oscillators. Physical Review B, 2021, 104, .	3.2	8
135	Interaction of optical waveguide modes with dipole-exchange surface spin waves in a $\text{Lu}_2.14\text{BiO}_3.86\text{Fe}_4.94\text{Mg}_0.06\text{O}_{12}$ film. Journal of Applied Physics, 1995, 77, 2087-2089.	2.5	7
136	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
137	Magnetoresistance behavior of bi-component antidot nanostructures. Europhysics Letters, 2013, 103, 67002.	2.0	7
138	Pd/Co bi-layer films for microwave-frequency hydrogen gas sensing applications. , 2014, , .		7
139	Magnetization Reversal of Disorder-Induced Ferromagnetic Regions in $\text{Fe}_{60}\text{Al}_{40}$ Thin Films. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	7
140	Spin wave spectra in perpendicularly magnetized permalloy rings. Applied Physics Letters, 2015, 106, 112403.	3.3	7
141	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
142	On amplification of the spin wave envelope solitons in ferromagnetic films. Technical Physics, 2000, 45, 277-280.	0.7	6
143	Shaping of microwave pulses using phase-sensitive spin-wave amplifier. Applied Physics Letters, 2007, 90, 022502.	3.3	6
144	Resonance properties of bi-component arrays of magnetic dots magnetized perpendicular to their planes. Journal of Applied Physics, 2013, 114, .	2.5	6

#	ARTICLE	IF	CITATIONS
145	Electrical measurement of magnetic-field-impeded polarity switching of a ferromagnetic vortex core. <i>Physical Review B</i> , 2016, 94, .	3.2	6
146	Magnetization dynamics of $\text{Ni}_{80}\text{Mn}_{20}$ nanowires with continuous width modulation. <i>Physical Review B</i> , 2017, 95, .	3.2	6
147	Impact of Hydrogen Gas on the Inverse Spin Hall Effect in Palladium/Cobalt Bilayer Films. <i>IEEE Magnetism Letters</i> , 2018, 9, 1-4.	1.1	6
148	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
149	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
150	Effect of Hydrogen Gas on the FMR Absorption Amplitude of Pd/Co Layered Films. <i>IEEE Transactions on Magnetism</i> , 2018, 54, 1-5.	2.1	5
151	In situ ferromagnetic resonance capability on a polarized neutron reflectometry beamline. <i>Journal of Applied Crystallography</i> , 2018, 51, 9-16.	4.5	5
152	Controlling the propagation of dipole-exchange spin waves using local inhomogeneity of the anisotropy. <i>Physical Review B</i> , 2020, 102, .	3.2	5
153	Probing surface magnetism by spin-polarized electron spectroscopy: Fe film on W(110). <i>Surface Science</i> , 2013, 617, 22-28.	1.9	4
154	Theoretical Study of the Stripline Ferromagnetic Resonance Response of Metallic Ferromagnetic Films Based on an Analytical Model. <i>Spin</i> , 2016, 06, 1640015.	1.3	4
155	A two dimensional analytical model for the study of ferromagnetic resonance responses of single and multilayer films. <i>Journal of Applied Physics</i> , 2017, 121, .	2.5	4
156	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
157	Effect of Hydrogen Gas on Ferromagnetic Resonance Properties of NiCoPd Ternary Alloy Films. <i>IEEE Transactions on Magnetism</i> , 2021, 57, 1-5.	2.1	4
158	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
159	Multiplets of Collective Spin-Wave Modes During Magnetization Reversal in a One-Dimensional Magnonic Crystal Consisting of Alternating-Width Nano-Stripes. <i>IEEE Transactions on Magnetism</i> , 2013, 49, 3089-3092.	2.1	3
160	Standing spin-wave mode structure and linewidth in partially disordered hexagonal arrays of perpendicularly magnetized sub-micron Permalloy discs. <i>Journal of Applied Physics</i> , 2014, 116, 113909.	2.5	3
161	Elastic versus inelastic spin-polarized electron scattering from a ferromagnetic surface. <i>Physical Review B</i> , 2016, 94, .	3.2	3
162	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

#	ARTICLE	IF	CITATIONS
163	Excitation, generation, and propagation of soliton-like spin-wave pulses in ferromagnetic films: Numerical calculation and experiment. Technical Physics, 2002, 47, 1350-1358.	0.7	2
164	Controlling spin-orbit interaction in a ferromagnetic Fe/Au double layer. Applied Physics Letters, 2015, 106, 042404.	3.3	2
165	Effects of hydrogen absorption on magnetism in Ni ₈₀ Fe ₂₀ /Y/Pd trilayers. Physical Review B, 2021, 104, .	3.2	2
166	Fe-Co co-doping effects on antiferromagnetic core of NiO nanoparticles. Ceramics International, 2022, 48, 3435-3447.	4.8	2
167	The effect of hydrogen gas on Pd/[Co/Pd] ₃₀ /Pd multilayer thin films. Journal of Magnetism and Magnetic Materials, 2022, 551, 169184.	2.3	2
168	Magnetic and FMR Study on CoFe ₂ O ₄ /ZnFe ₂ O ₄ Bilayers. IEEE Transactions on Magnetics, 2013, 49, 4200-4203.	2.1	1
169	Excitation of plasmons in Ag/Fe/W structure by spin-polarized electrons. Applied Physics Letters, 2015, 107, .	3.3	1
170	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
171	Response enhancement of a magnetic-film based hydrogen gas sensor using size reduction to microchip dimensions. , 2018, , .		1
172	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
173	Excitation of microwaveguide modes by a stripe antenna. , 0, .		1
174	Two-dimensional microwave nonlinear spin-wave pulses in in-plane confined magnetic films. , 2006, , .		0
175	Phase-Sensitive Brillouin Light Scattering Spectroscopy. , 2006, , .		0
176	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. B 76, 184419 (2007)]. Physical Review B, 2007, 76, .	3.2	0
177	Frequency dependent FMR studies on pulsed laser ablated YIG films deposited on (111) GGG substrate. , 2013, , .		0
178	Effect of Annealing on the Structural and FMR Properties of Epitaxial Yig Thin Films Grown by RF Magnetron Sputtering. , 2018, , .		0
179	Spin-orbit coupling in scattering of very low-energy spin-polarized electrons from Co film by (e,2e) spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 2020, 241, 146809.	1.7	0
180	Parametric Amplification of Propagating Spin Waves in Ferrite Films. European Physical Journal Special Topics, 1997, 07, C1-455-C1-456.	0.2	0

#	ARTICLE	IF	CITATIONS
181	Competing Magnetic States and M-H Loop Splitting in Core-Shell NiO Nanoparticles. Nanotechnology, 2022, , .	2.6	0