

E N Beginin

List of Publications by Year in descending order

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citations

361413

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56
all docs

56
docs citations

56
times ranked

751
citing authors

#	ARTICLE	IF	CITATIONS
1	Spin wave filtration by resonances in the sidewalls of corrugated yttrium-iron garnet films. Journal of Magnetism and Magnetic Materials, 2022, 545, 168786.	2.3	3
2	Advances in Magnetism Roadmap on Spin-Wave Computing. IEEE Transactions on Magnetism, 2022, 58, 1-72.	2.1	179
3	Voltage-controlled spin-wave intermodal coupling in lateral ensembles of magnetic stripes with patterned piezoelectric layer. AIP Advances, 2021, 11, 035316.	1.3	0
4	Spin waves transport in 3D magnonic waveguides. AIP Advances, 2021, 11, 035024.	1.3	1
5	Magnonic band structure in CoFeB/Ta/NiFe meander-shaped magnetic bilayers. Applied Physics Letters, 2021, 118, .	3.3	16
6	Strain-mediated tunability of spin-wave spectra in the adjacent magnonic crystal stripes with piezoelectric layer. Applied Physics Letters, 2021, 118, .	3.3	11
7	Magnonic Band Structure in Vertical Meander-Shaped $\text{Co}_{40}\text{Fe}_{60}$ Magnonic Bilayers. Applied Physics Letters, 2021, 118, .	3.8	17
8	Electric-Field-Controlled Spin-Wave Coupling in Lateral Ensembles of Magnetic Microstructures. Physics of the Solid State, 2021, 63, 1356-1360.	0.6	0
9	Spin waves in meander shaped YIG film: Toward 3D magnonics. Applied Physics Letters, 2020, 117, .	3.3	21
10	Dielectric magnonics: from gigahertz to terahertz. Physics-Uspexhi, 2020, 63, 945-974.	2.2	40
11	Surface spin waves propagation in tapered magnetic stripe. Journal of Applied Physics, 2019, 126, .	2.5	13
12	Route toward semiconductor magnonics: Light-induced spin-wave nonreciprocity in a YIG/GaAs structure. Physical Review B, 2019, 99, .	3.2	88
13	Spin-wave excitations in YIG films grown on corrugated substrates. Journal of Physics: Conference Series, 2019, 1389, 012140.	0.4	6
14	Reconfigurable Lateral Spin-Wave Transport in a Ring Magnonic Microwaveguide. JETP Letters, 2019, 110, 430-435.	1.4	12
15	Controlled Spin-Wave Transport in a Magnon-Crystal Structure with a One-Dimensional Array of Holes. JETP Letters, 2019, 110, 533-539.	1.4	4
16	Functional Magnon Network Blocks Based on Structures with Translational Symmetry Violation. Technical Physics, 2019, 64, 1615-1621.	0.7	0
17	Spin wave steering in three-dimensional magnonic networks. Applied Physics Letters, 2018, 112, 122404.	3.3	40
18	Nonlinear Spin Wave Effects in the System of Lateral Magnonic Structures. JETP Letters, 2018, 107, 25-29.	1.4	38

#	ARTICLE	IF	CITATIONS
19	Features of Dispersion Characteristics of Surface Spin Waves in Coupled Antiferromagnetic Films with Easy-Axis Anisotropy. Journal of Communications Technology and Electronics, 2018, 63, 1439-1443.	0.5	1
20	Discrete diffraction in network of magnonic crystals. Journal of Physics: Conference Series, 2018, 1124, 071006.	0.4	0
21	Volume Magnetostatic Spin Waves in 3D Ferromagnetic Structures. Journal of Communications Technology and Electronics, 2018, 63, 1431-1438.	0.5	5
22	Functional Magnetic Metamaterials for Spintronics. Nanoscience and Technology, 2018, , 221-245.	1.5	2
23	Spatial dynamics of hybrid electromagnetic spin waves in a lateral multiferroic microwaveguide. JETP Letters, 2017, 105, 364-369.	1.4	7
24	Toward nonlinear magnonics: Intensity-dependent spin-wave switching in insulating side-coupled magnetic stripes. Physical Review B, 2017, 96, .	3.2	95
25	Spin wave propagation in a uniformly biased curved magnonic waveguide. Physical Review B, 2017, 96, .	3.2	70
26	Coupled spin waves in magnetic waveguides induced by elastic deformations in YIGâ€“piezoelectric structures. JETP Letters, 2017, 106, 465-469.	1.4	3
27	Band gap formation and control in coupled periodic ferromagnetic structures. Journal of Applied Physics, 2016, 120, .	2.5	28
28	Frequency selective tunable spin wave channeling in the magnonic network. Applied Physics Letters, 2016, 108, .	3.3	46
29	Spatialâ€“frequency selection of magnetostatic waves in a two-dimensional magnonic crystal lattice. JETP Letters, 2016, 104, 563-567.	1.4	32
30	Nonlinear spin wave coupling in adjacent magnonic crystals. Applied Physics Letters, 2016, 109, .	3.3	56
31	Numerical modeling of wave processes in coupled magnonic crystals with periods shifted relative to each other. Physics of Wave Phenomena, 2016, 24, 1-6.	1.1	9
32	The influence of a metal on transverse characteristics of hybrid waves in a layered ferriteâ€“ferroelectric structure. Technical Physics Letters, 2016, 42, 486-490.	0.7	2
33	Directional multimode coupler for planar magnonics: Side-coupled magnetic stripes. Applied Physics Letters, 2015, 107, .	3.3	82
34	Brillouin light scattering study of transverse mode coupling in confined yttrium iron garnet/barium strontium titanate multiferroic. Journal of Applied Physics, 2015, 118, .	2.5	39
35	Nonreciprocal propagation of hybrid electromagnetic waves in a layered ferriteâ€“ferroelectric structure with a finite width. JETP Letters, 2015, 102, 142-147.	1.4	16
36	Magnonics: a new research area in spintronics and spin wave electronics. Physics-Usppekhi, 2015, 58, 1002-1028.	2.2	174

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37	Magnetostatic surface waves in a ferrite-ferromagnetic metal layered medium based on yttrium iron garnet epitaxial films and TbCo ₂ /FeCo nanostructures. <i>Journal of Communications Technology and Electronics</i> , 2015, 60, 999-1005.	0.5	5
38	Self-generation of dissipative solitons in magnonic quasicrystal active ring resonator. <i>Journal of Applied Physics</i> , 2014, 115, 053908.	2.5	31
39	The electrodynamic characteristics of a finite-width metal/dielectric/ferroelectric/dielectric/metal layer structure. <i>Journal of Communications Technology and Electronics</i> , 2014, 59, 914-919.	0.5	31
40	Dissipative soliton generation in an active ring resonator based on magnonic quasicrystal with Fibonacci type structure. <i>Applied Physics Letters</i> , 2013, 103, 022408.	3.3	30
41	Studying the spectra of thermal magnons in composite materials with embedded magnetite nanoparticles using Brillouin light-scattering spectroscopy. <i>Technical Physics Letters</i> , 2013, 39, 715-718.	0.7	5
42	Spatiotemporal dynamics of magnetostatic and spin waves in a transversely confined ferrite waveguide. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2013, 77, 1429-1431.	0.6	11
43	Formation of gap solitons in a finite magnonic crystal. <i>Physics of Wave Phenomena</i> , 2013, 21, 304-309.	1.1	19
44	Passage of two-frequency signals in the Bragg resonance band of a one-dimensional magnon crystal. <i>Technical Physics Letters</i> , 2012, 38, 638-641.	0.7	7
45	Bragg resonances of magnetostatic surface spin waves in a layered structure: Magnonic crystal-dielectric-metal. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	39
46	Effect of ferrite magnonic crystal metallization on Bragg resonances of magnetostatic surface waves. <i>Technical Physics Letters</i> , 2011, 37, 1024-1026.	0.7	16
47	Generation of chaotic dissipative solitons in active ring resonator with one-dimensional periodic ferromagnetic microstructure. <i>Technical Physics Letters</i> , 2011, 37, 1065-1069.	0.7	2
48	Nonlinear effects of self-action of waves in 2D coupled ferromagnetic structures. <i>Physics of the Solid State</i> , 2010, 52, 79-86.	0.6	7
49	Influence of the amplitude and phase nonlinearity of a spin-wave delay line on the wideband chaotic microwave generation. <i>Technical Physics Letters</i> , 2010, 36, 325-328.	0.7	3
50	Generation of chaotic microwave pulses with the help of passive synchronization of spin wave self-modulation frequencies in self-oscillatory ring systems. <i>Technical Physics Letters</i> , 2010, 36, 1042-1045.	0.7	3
51	Wideband chaotic microwave signal generation in a ring system with a nonlinear delay line on coupled ferromagnetic films. <i>Technical Physics Letters</i> , 2009, 35, 853-856.	0.7	1
52	Generation of a stationary train of chaotic soliton-like microwave pulses in self-oscillating ring systems with a ferromagnetic thin film. <i>JETP Letters</i> , 2008, 88, 647-650.	1.4	22
53	Chaotic MW signal responses in a self-oscillatory system with the nonlinear magnetostatic wave transmission line. , 2008, , .		0
54	Formation of two-dimensional channels of magnetostatic waves in coupled structures on ferromagnetic films. , 2008, , .		0

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55	Propagation of Two-Dimensional Soliton-Like Pulses in Coupled Ferromagnetic Structures. , 2007, , .		0