

Filimonov Yury

List of Publications by Year in descending order

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430874
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all docs

87
docs citations

87
times ranked

1040
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	Effects of geometry of thin-film microwaveguides based on yttrium iron garnet and position of microantennas on characteristics of excitation and transmission of magnetostatic waves in them. Izvestiya of Saratov University, New Series: Physics, 2021, 21, 249-263.	0.1	0
3	Quantum computing without quantum computers: Database search and data processing using classical wave superposition. Journal of Applied Physics, 2021, 130, .	2.5	9
4	Spin waves in meander shaped YIG film: Toward 3D magnonics. Applied Physics Letters, 2020, 117, .	3.3	21
5	Spin-waves generation at the thickness step of yttrium iron garnet film. Applied Physics Letters, 2020, 117, .	3.3	6
6	Spin Waves Interference under Excitation by Focusing Transducers: Logic and Signal Processing. Semiconductors, 2020, 54, 1716-1720.	0.5	0
7	EMF Generation by Propagating Magnetostatic Surface Waves in Integrated Thin-Film Pt/YIG Structure. Semiconductors, 2020, 54, 1721-1724.	0.5	1
8	Spin Waves Focused Beams in YIG Films. , 2020, , .		0
9	Propagation of Spin Waves in Microstructures Based on Yttriumâ€“Iron Garnet Films Decorated by a Ferromagnetic Metal. Physics of the Solid State, 2019, 61, 1614-1621.	0.6	5
10	Micromagnetic Modeling of Spin-Wave Excitations in Corrugated YIG Films. Physics of the Solid State, 2019, 61, 1602-1608.	0.6	5
11	Spin-wave excitations in YIG films grown on corrugated substrates. Journal of Physics: Conference Series, 2019, 1389, 012140.	0.4	6
12	Spin Waves in YIG-Based Networks: Logic and Signal Processing. Physics of Metals and Metallography, 2019, 120, 1318-1324.	1.0	6
13	Reversible magnetic logic gates based on spin wave interference. Journal of Applied Physics, 2018, 123, .	2.5	32
14	Effects of the magnetic field variation on the spin wave interference in a magnetic cross junction. AIP Advances, 2018, 8, 056619.	1.3	5
15	Nonreciprocity of backward volume spin wave beams excited by the curved focusing transducer. Applied Physics Letters, 2018, 113, .	3.3	12
16	Magnetoelastic Waves in Submicron Yttriumâ€“Iron Garnet Films Manufactured by Means of Ion-Beam Sputtering onto Gadoliniumâ€“Gallium Garnet Substrates. Technical Physics, 2018, 63, 1029-1035.	0.7	20
17	Propagation of Spin Waves in Ferrite Films with Metasurface. Acta Physica Polonica A, 2018, 133, 508-510.	0.5	2
18	Magnonic interferometric switch for multi-valued logic circuits. Journal of Applied Physics, 2017, 121, .	2.5	30

#	ARTICLE	IF	CITATIONS
19	Enhanced Nonreciprocity of Magnetostatic Surface Waves in Yttrium-Iron-Garnet Films Deposited on Silicon Substrates by Ion-Beam Evaporation. IEEE Magnetics Letters, 2017, 8, 1-5.	1.1	11
20	Spin wave interference in YIG cross junction. AIP Advances, 2017, 7, .	1.3	15
21	Magnonic holographic imaging of magnetic microstructures. Journal of Magnetism and Magnetic Materials, 2017, 428, 348-356.	2.3	9
22	A Magnetometer Based on a Spin Wave Interferometer. Scientific Reports, 2017, 7, 11539.	3.3	29
23	Ferromagnetic resonance in submicron permalloy stripes. Journal of Magnetism and Magnetic Materials, 2017, 424, 118-121.	2.3	18
24	INFLUENCE OF INPUT SIGNAL POWER ON MAGNETOSTATIC SURFACE WAVES PROPAGATION IN YTTRIUM-IRON GARNET FILMS ON SILICON SUBSTRATES. Izvestiya Vysshikh Uchebnykh Zavedeniy Prikladnaya Nelineynaya Dinamika, 2017, 25, 35-51.	0.2	1
25	Formation of textured Ni(200) and Ni(111) films by magnetron sputtering. Technical Physics, 2016, 61, 924-928.	0.7	2
26	Influence of the working gas pressure on the magnetic properties and texture of magnetron-sputtered Fe/SiO ₂ /Si(100) polycrystalline films. Technical Physics, 2016, 61, 779-782.	0.7	0
27	Prime factorization using magnonic holographic devices. Journal of Applied Physics, 2016, 120, .	2.5	22
28	Deposition of NiFe(200) and NiFe(111) textured films onto Si/SiO ₂ substrates by DC magnetron sputtering. Physics of the Solid State, 2016, 58, 1053-1057.	0.6	6
29	Parallel data processing with Magnonic Holographic Co-Processor. , 2016, , .		1
30	Effect of bias voltage polarity of a substrate on the texture, microstructure, and magnetic properties of Ni films prepared by magnetron sputtering. Physics of the Solid State, 2016, 58, 1247-1256.	0.6	5
31	Parallel Read-Out and Database Search With Magnonic Holographic Memory. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	5
32	Magnonic Holographic Read-Only Memory. IEEE Magnetics Letters, 2016, 7, 1-4.	1.1	155
33	Magnonic Holographic Memory. IEEE Transactions on Magnetics, 2015, 51, 1-5.	2.1	50
34	Magnonics: a new research area in spintronics and spin wave electronics. Physics-Uspexhi, 2015, 58, 1002-1028.	2.2	174
35	Surface spin waves in one-dimensional magnonic crystals with two spatial periods. Technical Physics Letters, 2015, 41, 1099-1102.	0.7	7
36	Spin wave excitation in yttrium iron garnet films with micron-sized antennas. Applied Physics Letters, 2015, 106, .	3.3	32

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37	Local anodic oxidation of Ni films with (2 0 0) and (1 1 1) texture. Applied Surface Science, 2015, 347, 435-438.	6.1	4
38	Pattern recognition with magnonic holographic memory device. Applied Physics Letters, 2015, 106, .	3.3	65
39	Observation of magnonic band gaps in magnonic crystals with nonreciprocal dispersion relation. Physical Review B, 2014, 90, .	3.2	55
40	Magnonic Bandgaps in Metalized 1-D YIG Magnonic Crystals. IEEE Transactions on Magnetics, 2014, 50, 1-3.	2.1	9
41	Magnetron sputtering of thin Cu(200) films on Ni(200)/SiO ₂ /Si substrates. Technical Physics, 2014, 59, 1097-1100.	0.7	6
42	Bragg resonances of magnetostatic surface waves in a ferrite-magnonic-crystal-dielectric-metal structure. Journal of Communications Technology and Electronics, 2013, 58, 347-352.	0.5	9
43	The formation of the (200) and (110) textures in iron films prepared by magnetron sputtering. Technical Physics Letters, 2013, 39, 938-941.	0.7	5
44	Nonreciprocity of spin waves in metallized magnonic crystal. New Journal of Physics, 2013, 15, 113023.	2.9	69
45	Standing spin waves in magnonic crystals. Journal of Applied Physics, 2013, 113, .	2.5	53
46	Magnetostatic surface wave propagation in a one-dimensional magnonic crystal with broken translational symmetry. Applied Physics Letters, 2012, 101, .	3.3	36
47	Fabrication of tunnel barrier by scanning probe lithography. , 2012, , .		0
48	Yttrium iron garnet based phononic-magnonic crystal. , 2012, , .		4
49	Bragg resonances of magnetostatic surface spin waves in a layered structure: Magnonic crystal-dielectric-metal. Applied Physics Letters, 2012, 100, .	3.3	39
50	Effect of annealing temperature and rate of sputtering on the magnetic properties and microstructure of the polycrystalline nickel films with (200) texture. Journal of Communications Technology and Electronics, 2012, 57, 498-505.	0.5	9
51	Effect of ferrite magnonic crystal metallization on Bragg resonances of magnetostatic surface waves. Technical Physics Letters, 2011, 37, 1024-1026.	0.7	16
52	Spectrum and losses of surface magnetostatic waves in a 1D magnon crystal. Technical Physics, 2011, 56, 308-310.	0.7	8
53	The spectrum of the spin-wave excitations of the tangentially magnetized 2D hexagonal ferrite magnonic crystal. Journal of Communications Technology and Electronics, 2010, 55, 800-809.	0.5	11
54	Fabrication of magnetic nanostructures using atomic force microscopy. , 2010, , .		0

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55	Surface roughness and magnetic properties of Co/SiO ₂ /Si(100) polycrystalline films deposited via DC magnetron sputtering. Journal of Communications Technology and Electronics, 2009, 54, 331-335.	0.5	4
56	Hybridization of spin-wave modes in a ferromagnetic microstrip. JETP Letters, 2008, 88, 461-465.	1.4	13
57	Permalloy films on patterned silicon substrates. , 2008, , .		1
58	Numerical simulation of magnetization of 2D magnon crystals based on yttrium iron garnet films. Journal of Communications Technology and Electronics, 2007, 52, 580-584.	0.5	1
59	Nondispersive delay line on magnetostatic waves. Technical Physics Letters, 2006, 32, 667-669.	0.7	2
60	Interaction of a post-threshold signal and a weak microwave signal during passage through a ferrite-film noise suppressor. Journal of Communications Technology and Electronics, 2006, 51, 444-445.	0.5	0
61	Using the magneto-optical Kerr effect to study magnetization processes in two-dimensional magnonic crystals based on YIG thin films. Journal of Communications Technology and Electronics, 2006, 51, 944-947.	0.5	8
62	Propagation of magnetostatic waves in the form of rectangular pulses in YIG films. Technical Physics, 2006, 51, 595-603.	0.7	2
63	Magnetostatic surface wave bright soliton propagation in ferrite-dielectric-metal structures. IEEE Transactions on Magnetics, 2006, 42, 1785-1801.	2.1	10
64	Ferromagnetic Resonance Characterization of the Nanoislands Fe/MgO (001) Films. , 2006, , .		0
65	Transient Processes Influence on Magnetostatic Waves Soliton Propagation in Ferrite Films. , 2006, , .		0
66	Magnetostatic spin waves in two-dimensional periodic structures (magnetophoton crystals). Journal of Experimental and Theoretical Physics, 2005, 101, 547-553.	0.9	66
67	<title>Ferromagnetic resonance investigation of permalloy particles array structures</title>. , 2004, , .		2
68	Nonlinear properties of magnetoelastic Rayleigh waves in ferrite films. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1009-1010.	2.3	8
69	Influence of growth temperature on the easy magnetization axis switch and domain structure in //(100) structures. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E937-E939.	2.3	0
70	Nonlinear Schroedinger equation analysis of MSSW pulse propagation in ferrite-dielectric-metal structure. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 999-1000.	2.3	3
71	<title>Influence of growth temperature on the easy magnetization axis switch and domain structure in Fe/GaAs(100) structures</title>. , 2004, 5401, 538.		0
72	<title>Magnetic properties of direct current magnetron sputtered thin nickel films</title>. , 2004, 5401, 532.		0

#	ARTICLE	IF	CITATIONS
73	Ferromagnetic films with magnon bandgap periodic structures: Magnon crystals. JETP Letters, 2003, 77, 567-570.	1.4	112
74	Nonlinear magnetostatic surface waves pulse propagation in ferrite-dielectric-metal structure. IEEE Transactions on Magnetism, 2002, 38, 3105-3107.	2.1	2
75	Oscillations of surface acoustic Rayleigh wave transmission on Ga, Sc-substituted yttrium iron garnet films. , 2002, , .		0
76	Nonlinear Signal Processing by means of Surface Magnetostatic Waves: Solitons in Metallized Structures.. , 2002, , .		1
77	Magnetoelastic waves in an in-plane magnetized ferromagnetic plate. Technical Physics, 2002, 47, 38-48.	0.7	4
78	Magnetic properties of thermally deposited Fe/GaAs(100) thin films. Technical Physics, 2002, 47, 1067-1070.	0.7	2
79	The effect of GaAs(001) substrate roughness on the magnetic properties of epitaxial Fe films. Technical Physics, 2000, 45, 1281-1287.	0.7	0
80	Magnetic crystallographic anisotropy of Fe/GaAs(100) epitaxial films. Technical Physics Letters, 1999, 25, 79-82.	0.7	2
81	The effect of parametrically excited spin waves on the dispersion and damping of magnetostatic surface waves in ferrite films. Journal of Experimental and Theoretical Physics, 1999, 88, 174-181.	0.9	3
82	Magnetostatic volume waves in exchange-coupled ferrite films. Technical Physics, 1998, 43, 834-845.	0.7	6
83	Four-magnon decay of magnetostatic surface waves in yttrium iron garnet films. Physics of the Solid State, 1997, 39, 288-295.	0.6	11
84	Spectrum and Attenuation of Non-Linear Surface Magnetostatic Spin Waves in Ferrite Films. European Physical Journal Special Topics, 1997, 07, C1-401-C1-402.	0.2	0
85	Evidence of the exchange coupling effect in the spin wave spectrum of a structure with two different magnetic layers. Journal of Magnetism and Magnetic Materials, 1994, 131, 235-241.	2.3	7
86	Interaction of magnetostatic waves with current carriers in stratified structures. Soviet Physics Journal (English Translation of Izvestiia Vysshikh Uchebnykh Zavedenii, Fizika), 1989, 32, 1-21.	0.0	0
87	Layered thin-film magnetic structures as a basis of spintronic element base. , 0, , .		0