

Valentin Sakharov

List of Publications by Year in descending order

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33
papers

456
citations

1163117

8
h-index

713466

21
g-index

33
all docs

33
docs citations

33
times ranked

491
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	Spin waves in meander shaped YIG film: Toward 3D magnonics. Applied Physics Letters, 2020, 117, .	3.3	21
4	Magnetoelastic Properties of Yttrium-iron Garnet Films Manufactured by Means of Ion-Beam Sputtering onto Si and GaAs Substrates. Technical Physics, 2020, 65, 1175-1180.	0.7	2
5	Spin-waves generation at the thickness step of yttrium iron garnet film. Applied Physics Letters, 2020, 117, .	3.3	6
6	Surface Magnetostatic Waves in Yttrium-iron Garnet with the Surface Subwave Metastructure of a Permalloy Film. Physics of the Solid State, 2020, 62, 1659-1663.	0.6	3
7	Spin Waves Interference under Excitation by Focusing Transducers: Logic and Signal Processing. Semiconductors, 2020, 54, 1716-1720.	0.5	0
8	EMF Generation by Propagating Magnetostatic Surface Waves in Integrated Thin-Film Pt/YIG Structure. Semiconductors, 2020, 54, 1721-1724.	0.5	1
9	Effect of Bias Voltage and Deposition Rate on the Structure and Coercivity of NiFe Films. Physics of the Solid State, 2020, 62, 2439-2444.	0.6	1
10	Spin Waves Focused Beams in YIG Films. , 2020, , .		0
11	Electrically Controlled Logical Switch Based on a Step Yttrium-iron Garnet Waveguide and a Piezoelectric Actuator. Technical Physics, 2019, 64, 984-986.	0.7	3
12	Collective and localized modes in 3D magnonic crystals. Journal of Magnetism and Magnetic Materials, 2019, 492, 165647.	2.3	8
13	Propagation of Spin Waves in Microstructures Based on Yttrium-iron Garnet Films Decorated by a Ferromagnetic Metal. Physics of the Solid State, 2019, 61, 1614-1621.	0.6	5
14	Micromagnetic Modeling of Spin-Wave Excitations in Corrugated YIG Films. Physics of the Solid State, 2019, 61, 1602-1608.	0.6	5
15	Route toward semiconductor magnonics: Light-induced spin-wave nonreciprocity in a YIG/GaAs structure. Physical Review B, 2019, 99, .	3.2	88
16	The Influence of Strains on the Ferromagnetic Resonance Spectrum of Submicron Yttrium Iron Garnet Films Obtained by Ion Beam Sputtering. Journal of Communications Technology and Electronics, 2019, 64, 1398-1406.	0.5	3
17	Spin-wave excitations in YIG films grown on corrugated substrates. Journal of Physics: Conference Series, 2019, 1389, 012140.	0.4	6
18	Spin Waves in YIG-Based Networks: Logic and Signal Processing. Physics of Metals and Metallography, 2019, 120, 1318-1324.	1.0	6

#	ARTICLE	IF	CITATIONS
19	Interference of Spin Waves in Arrays of Microwaveguides Based on Yttrium-Iron Garnet Films. Technical Physics, 2019, 64, 1622-1628.	0.7	3
20	Моделирование нелинейного взаимодействия мод в крестообразных структурах на основе волноводов из иттрий-железного граната. Известия Высших Учебных Заведений Прикладная Нелинейная Динамика, 2019, 27, 39-60.	0.2	1
21	Micromagnetic modeling of nonlinear interaction of lateral magnetostatic modes in cross-shaped structures based on waveguides from iron yttrium garnet films. Izvestiya Vysshikh Uchebnykh Zavedeniy Prikladnaya Nelineynaya Dinamika, 2019, 27, 39-60.	0.2	1
22	Spectrum of the Ferromagnetic Resonance of a Lattice of Orthogonal Permalloy Microwaveguides. Journal of Communications Technology and Electronics, 2018, 63, 1047-1052.	0.5	0
23	Nonreciprocity of backward volume spin wave beams excited by the curved focusing transducer. Applied Physics Letters, 2018, 113, .	3.3	12
24	Filtration of Surface Magnetostatic Waves in Yttrium Iron Garnet Films of Variable Width Excited by Focusing Transducers. Technical Physics Letters, 2018, 44, 705-708.	0.7	1
25	Magnetoelastic Waves in Submicron Yttrium-iron Garnet Films Manufactured by Means of Ion-Beam Sputtering onto Gadolinium-gallium Garnet Substrates. Technical Physics, 2018, 63, 1029-1035.	0.7	20
26	Propagation of Spin Waves in Ferrite Films with Metasurface. Acta Physica Polonica A, 2018, 133, 508-510.	0.5	2
27	Enhanced Nonreciprocity of Magnetostatic Surface Waves in Yttrium-Iron-Garnet Films Deposited on Silicon Substrates by Ion-Beam Evaporation. IEEE Magnetism Letters, 2017, 8, 1-5.	1.1	11
28	Magnetostatic Surface Wave Dispersion and Losses in an Yttrium-Iron Garnet Film With a Subwavelength Periodic Structure. IEEE Magnetism Letters, 2017, 8, 1-4.	1.1	11
29	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
30	Magnonics: a new research area in spintronics and spin wave electronics. Physics-Uspokhi, 2015, 58, 1002-1028.	2.2	174
31	High-frequency permeability of Ni and Co particle assemblies. Journal of Applied Physics, 2014, 115, .	2.5	6
32	Standing spin waves in magnonic crystals. Journal of Applied Physics, 2013, 113, .	2.5	53
33	Fabrication of magnetic nanostructures using atomic force microscopy. , 2010, , .		0