Shavrov Vladimir

List of Publications by Year in descending order

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249 papers	2,084 citations	257450 24 h-index	315739 38 g-index
251 all docs	251 docs citations	251 times ranked	1210 citing authors

#	Article	IF	Citations
1	Phase transitions inNi2+xMn1âˆ’xGawith a high Ni excess. Physical Review B, 2005, 72, .	3.2	176
2	Peculiarities of the magnetocaloric properties in Ni-Mn-Sn ferromagnetic shape memory alloys. Physical Review B, 2010, 81, .	3.2	96
3	Magnetocaloric effect in ribbon samples of Heusler alloys Niâ€“Mnâ€“M (M=In,Sn). Applied Physics Letters, 2010, 97, .	3.3	68
4	Broken symmetry and magnetoacoustic effects in ferroand antiferromagnetics. Uspekhi Fizicheskikh Nauk, 1983, 26, 593-611.	0.3	64
5	Title is missing!. Physics-Uspekhi, 2006, 49, 871.	2.2	59
6	Adiabatic temperature change at first-order magnetic phase transitions:<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Ni</mml:mtext></mml:mrow><mml:mrow><mml:mn>2.19</mml: a case study. Physical Review B, 2008, 78, .	3.2	59
7	Influence of Fe and Co on Phase Transitions in Ni-Mn-Ga Alloys. Materials Transactions, 2003, 44, 2509-2512.	1.2	54
8	Premartensitic transition in Ni2+xMn1-xGa Heusler alloys. Journal of Physics Condensed Matter, 2001, 13, 9655-9662.	1.8	53
9	Reversible magnetocaloric effect in materials with first order phase transitions in cyclic magnetic fields: Fe48Rh52 and Sm0.6Sr0.4MnO3. Applied Physics Letters, 2016, 109, .	3.3	46
10	Development of laminated nanocomposites on the bases of magnetic and non-magnetic shape memory alloys: Towards new tools for nanotechnology. Journal of Alloys and Compounds, 2014, 586, S464-S468.	5.5	45
11	Giant reversible deformations in a shape-memory composite material. Technical Physics Letters, 2010, 36, 329-332.	0.7	43
12	Composite Materials Based on Shapeâ€Memory Ti₂NiCu Alloy for Frontier Microâ€and Nanomechanical Applications. Advanced Engineering Materials, 2017, 19, 1700154.	3.5	43
13	Submicron-sized actuators based on enhanced shape memory composite material fabricated by FIB-CVD. Smart Materials and Structures, 2012, 21, 052001.	3.5	41
14	Magnetocaloric and thermomagnetic properties of Ni2.18Mn0.82Ga Heusler alloy in high magnetic fields up to 140 kOe. Journal of Applied Physics, 2015, 117, .	2.5	40
15	Actuators based on composite material with shape-memory effect. Journal of Communications Technology and Electronics, 2010, 55, 818-830.	0.5	38
16	Plasmonics of magnetic and topological graphene-based nanostructures. Nanophotonics, 2018, 7, 597-611.	6.0	38
17	Reversible structural phase transition in Ni-Mn-Ga alloys in a magnetic field. JETP Letters, 2000, 72, 373-376.	1.4	34
18	Phase transitions in the ferromagnetic alloys Ni2+x Mn1âˆ’x Ga. JETP Letters, 1998, 67, 227-232.	1.4	30

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19	Magnetic and structural phase transitions in the shape-memory ferromagnetic alloys Ni2+x Mn1âˆ’x Ga. Journal of Experimental and Theoretical Physics, 1999, 88, 954-962.	0.9	30
20	Transverse-electric plasmonic modes of cylindrical graphene-based waveguide at near-infrared and visible frequencies. Scientific Reports, 2016, 6, 26915.	3.3	30
21	Magnetoacoustic surface waves in magnetic crystals near spin-reorientation phase transitions. Physics-Uspekhi, 1997, 40, 701-716.	2.2	29
22	Magnetoacoustics of rare-earth orthoferrites. Physics-Uspekhi, 1996, 39, 547-572.	2.2	28
23	Nonlinear excitation of hypersound in a ferrite plate under the ferromagnetic-resonance conditions. Journal of Communications Technology and Electronics, 2009, 54, 821-832.	0.5	28
24	Thermomagnetic and magnetocaloric properties of metamagnetic Ni-Mn-In-Co Heusler alloy in magnetic fields up to 140 kOe. EPJ Web of Conferences, 2014, 75, 04008.	0.3	24
25	Giant Faraday Rotation of High-Order Plasmonic Modes in Graphene-Covered Nanowires. Nano Letters, 2016, 16, 4391-4395.	9.1	23
26	Plasmonically induced magnetic field in graphene-coated nanowires. Optics Letters, 2016, 41, 396.	3.3	23
27	Influence of graphene coating on speckle-pattern rotation of light in gyrotropic optical fiber. Optics Letters, 2015, 40, 890.	3.3	19
28	Magnetocaloric Effect in Alloy Fe49Rh51 in Pulsed Magnetic Fields up to 50 T. Physics of the Solid State, 2020, 62, 160-163.	0.6	19
29	Direct measurement of magnetocaloric effect in metamagnetic Ni43Mn37.9In12.1Co7 Heusler Alloy. Bulletin of the Russian Academy of Sciences: Physics, 2014, 78, 936-938.	0.6	18
30	Magnetic, thermal, and electrical properties of an Ni45.37Mn40.91In13.72 Heusler alloy. Journal of Experimental and Theoretical Physics, 2016, 122, 874-882.	0.9	18
31	Shape memory effect in nanosized Ti2NiCu alloy-based composites. Doklady Physics, 2017, 62, 5-9.	0.7	17
32	Nonlinear excitation of ultrasound in a two-layer ferrite structure under ferromagnetic resonance conditions. Journal of Communications Technology and Electronics, 2014, 59, 441-455.	0.5	16
33	Thermodynamic and Relaxation Processes near Curie Point in Gadolinium. Solid State Phenomena, 0, 215, 113-118.	0.3	15
34	Spin correlations and a mesoscopic structure in Ni-Mn-Ga. Journal of Experimental and Theoretical Physics, 2006, 102, 102-113.	0.9	14
35	On the relative contributions of precessional and longitudinal oscillations to the dynamics of magnets. Physics-Uspekhi, 1999, 42, 957-990.	2.2	13
36	Spin wave acoustics of antiferromagnetic structures as magnetoacoustic metamaterials. Physics-Uspekhi, 2011, 54, 573-604.	2.2	13

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37	Hybridization of electromagnetic, spin and acoustic waves in magnetic having conical spiral ferromagnetic order. Journal of Magnetism and Magnetic Materials, 2013, 329, 142-145.	2.3	13
38	Simulation of the control process applied to the micromechanical device with the shape memory effect. Journal of Communications Technology and Electronics, 2015, 60, 1124-1133.	0.5	13
39	Magnetocaloric Effect of Gadolinium at Adiabatic and Quasi-Isothermal Conditions in High Magnetic Fields. Solid State Phenomena, 2015, 233-234, 216-219.	0.3	13
40	Research of Magnetocaloric Effect For Ni-Mn-In-Co Heusler Alloys by the Direct Methods in Magnetic Fields Up to 14 T. IEEE Transactions on Magnetics, 2017, 53, 1-5.	2.1	13
41	Electromagnetic waves reflection, transmission and absorption by grapheneâ€“magnetic semiconductorâ€“graphene sandwich-structure in magnetic field: Faraday geometry. Photonics and Nanostructures - Fundamentals and Applications, 2014, 12, 473-481.	2.0	12
42	Static and dynamic conduction of amorphous nanogranulated metalâ€“dielectric composites. Journal of Communications Technology and Electronics, 2015, 60, 904-914.	0.5	12
43	Measurement of magnetocaloric effect in pulsed magnetic fields with the help of infrared fiber optical temperature sensor. Journal of Magnetism and Magnetic Materials, 2017, 440, 70-73.	2.3	12
44	Effect of thermal cycling on the martensitic transformation in Ni-Mn-In alloys. Journal of Applied Physics, 2014, 116, 103515.	2.5	11
45	Properties of metamagnetic alloy Fe48Rh52 in high magnetic fields. Bulletin of the Russian Academy of Sciences: Physics, 2015, 79, 1086-1088.	0.6	11
46	Crystalline structure and magnetic behavior of the Ni₄₁Mn₃₉In₁₂Co₈alloy demonstrating giant magnetocaloric effect. Smart Materials and Structures, 2016, 25, 085013.	3.5	11
47	Simultaneous magnetooptic observation and thermomagnetic analysis of phase transitions in shape-memory Niâ€“Mnâ€“Ga alloys. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 2035-2037.	2.3	10
48	Nonlinear dynamics of the magnetization in a ferrite plate with magnetoelastic properties under the conditions for orientational transition. Journal of Communications Technology and Electronics, 2010, 55, 645-656.	0.5	10
49	Spin-wave electrodynamics of the interface between a magnetoelectric multiferroic and a nonmagnetic insulator. Journal of Experimental and Theoretical Physics, 2012, 114, 474-495.	0.9	10
50	Dynamic conductivity of amorphous nanogranular films in the microwave frequency range. Technical Physics Letters, 2014, 40, 584-586.	0.7	10
51	Dynamic Microwave Conductivity of Graphene-Based Shungite. Technical Physics Letters, 2018, 44, 371-373.	0.7	10
52	Degradation of the Magnetocaloric Effect in Ni49.3Mn40.4In10.3 in a Cyclic Magnetic Field. Physics of the Solid State, 2020, 62, 837-840.	0.6	10
53	Thermoelastic martensitic transition and magnetic properties of the Ni2.14Mn0.81Fe0.05Ga alloy in different structural states. Journal of Physics Condensed Matter, 2005, 17, 2129-2135.	1.8	9
54	Conducting and reflecting properties of nanometer-width films of various metals. Journal of Communications Technology and Electronics, 2006, 51, 1394-1400.	0.5	9

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55	The energy characteristics of wave propagation through interfaces of media with complex parameters. Journal of Communications Technology and Electronics, 2009, 54, 1111-1123.	0.5	9
56	Magnetic field control of plasmon polaritons in graphene-covered gyrotropic planar waveguide. Optics Letters, 2015, 40, 2557.	3.3	9
57	Direct measurements of the magnetocaloric effect of Fe49Rh51 using the mirage effect. Journal of Applied Physics, 2020, 127, .	2.5	9
58	Multiregime character of the nonlinear precession of the second-order magnetization under the conditions for the orientational transition. Journal of Communications Technology and Electronics, 2011, 56, 1117-1128.	0.5	8
59	Exceptional surface wave as a condition of the maximum increase in the intensity of an evanescent electromagnetic wave in a transparent medium. JETP Letters, 2012, 95, 229-233.	1.4	8
60	Asymmetric excitation of the two-order magnetization precession under orientational transition conditions. Journal of Communications Technology and Electronics, 2012, 57, 453-467.	0.5	8
61	The second-order magnetization precession in an anisotropic medium. Part 2: The cubic anisotropy. Journal of Communications Technology and Electronics, 2013, 58, 847-862.	0.5	8
62	Specific heat, electrical resistivity, and magnetocaloric study of phase transition in Fe48Rh52 alloy. Journal of Applied Physics, 2020, 128, .	2.5	8
63	Magnetoelastic effects of spontaneously broken symmetry and soft modes in magnetic phase transitions. Uspekhi Fizicheskikh Nauk, 1984, 27, 642-643.	0.3	7
64	Application of the averaging method to calculation of propagation of electromagnetic radiation through thin films with different conductivities. Journal of Communications Technology and Electronics, 2007, 52, 379-389.	0.5	7
65	Reflection, transmission, and absorption coefficients calculated for the oblique incidence of an electromagnetic wave on a plate. Journal of Communications Technology and Electronics, 2008, 53, 363-376.	0.5	7
66	The equivalence of the scalar one-dimensional and vector electrodynamic approaches to the problem on the wave incidence on a slab: Solution by the direct and averaging methods. Journal of Communications Technology and Electronics, 2010, 55, 121-131.	0.5	7
67	Direct and inverse magnetocaloric effect in Ni1.81Mn1.64In0.55, Ni1.73Mn1.80In0.47, and Ni1.72Mn1.51In0.49Co0.28 Heusler alloys. Journal of Communications Technology and Electronics, 2016, 61, 1129-1138.	0.5	7
68	Plasmon mediated inverse Faraday effect in a grapheneâ€“dielectricâ€“metal structure. Optics Letters, 2018, 43, 26.	3.3	7
69	Shape Memory Effect in Microsize Sample of Niâ€“Mnâ€“Gaâ€“Cu Heusler Alloy. Physics of the Solid State, 2020, 62, 968-971.	0.6	7
70	Phase transitions in ferromagnetic Ni2+x Mn1â^'x Ga alloys with regard for the modulation order parameter. Journal of Experimental and Theoretical Physics, 2001, 92, 1010-1018.	0.9	6
71	Forced nonlinear precession of the magnetization vector under the conditions of an orientation transition. Journal of Communications Technology and Electronics, 2011, 56, 73-84.	0.5	6
72	Advanced Magnetic Materials. Research Letters in Physics, 2012, 2012, 1-2.	0.2	6

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73	Investigation into the dynamics and variations in the magnetic structure of an ensemble of ferromagnetic particles. Bulletin of the Russian Academy of Sciences: Physics, 2013, 77, 1255-1257.	0.6	6
74	Electromagnetic Waves Reflectance of Grapheneâ€"Magnetic Semiconductor Superlattice in Magnetic Field. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	6
75	Application of the model of coupled oscillators in the analysis of the nonlinear excitation of hypersound in a ferrite plate under ferromagnetic resonance. Part 1. Basic equations. Journal of Communications Technology and Electronics, 2015, 60, 75-86.	0.5	6
76	Simulation of Control System for Shape Memory Nanotweezers. Materials Science Forum, 0, 845, 142-145.	0.3	6
77	Experimental simulation of a magnetic refrigeration cycle in high magnetic fields. Physics of the Solid State, 2016, 58, 81-85.	0.6	6
78	Topologically Induced Optical Activity in Graphene-Based Meta-Structures. ACS Photonics, 2017, 4, 1633-1638.	6.6	6
79	Formation of a martensitic twins structure in Ni2.16Mn0.84Ga heusler alloy by high magnetic fields under adiabatic and isothermal conditions. Bulletin of the Russian Academy of Sciences: Physics, 2017, 81, 1283-1288.	0.6	6
80	A Three-Point Bending Test Machine for Studying the Thermomechanical Properties of Shape Memory Alloys. Instruments and Experimental Techniques, 2018, 61, 306-312.	0.5	6
81	Structure and Morphology of Zinc Oxide Nanorods. Journal of Communications Technology and Electronics, 2018, 63, 75-79.	0.5	6
82	Role of magnetic and temperature cycling on martensite formation in Ni2.19Mn0.81Ga single crystals of a Heusler alloy. Journal of Applied Physics, 2020, 127, .	2.5	6
83	Russiaâ€™s integrated transit transport system (itts) of on the basis of vacuum magnetic levitation transport (vmlt). Transportation Systems and Technology, 2018, 4, 57-84.	0.4	6
84	New types of surface waves in antiferromagnetics with magnetoelectrical effect. Ferroelectrics, 1997, 204, 247-260.	0.6	5
85	Model of colossal magnetostriction in the martensite phase of Ni-Mn-Ga alloys. Journal of Experimental and Theoretical Physics, 2001, 93, 1302-1306.	0.9	5
86	Specific Features of Magnetoacoustic Waves in Fe[sub 3]BO[sub 6]. Physics of the Solid State, 2005, 47, 1886.	0.6	5
87	New Heusler alloys with a metamagnetostructural phase transition. Bulletin of the Russian Academy of Sciences: Physics, 2008, 72, 564-568.	0.6	5
88	Imprinting Bias Stress in Functional Composites. Japanese Journal of Applied Physics, 2010, 49, 100212.	1.5	5
89	Asymmetric forced nonlinear precession of magnetization under the conditions for the orientational transition. Journal of Communications Technology and Electronics, 2011, 56, 670-682.	0.5	5
90	Thermal expansion of Ni2.08Mn0.96Ga0.96 alloy. Technical Physics, 2011, 56, 423-426.	0.7	5

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91	Structure and functional properties of rapidly quenched ribbons of Ti2NiCu alloy with different fractions of the crystalline phase. Bulletin of the Russian Academy of Sciences: Physics, 2011, 75, 1078-1081.	0.6	5
92	Specific features of static and dynamic conduction of a composite film containing metal nanogranules in dielectric matrix. Journal of Communications Technology and Electronics, 2014, 59, 920-932.	0.5	5
93	Nano-nanomanipulation of CdSe nanowires using nano-tweezers based on shape memory alloys. , 2015, , .		5
94	New mechanism of the enhancement of the Goosâ€“Hanchen effect at an interface between transparent media. JETP Letters, 2015, 102, 343-349.	1.4	5
95	In-Plane Transverse Susceptibility of (111)-Oriented Iron Garnet Films. IEEE Transactions on Magnetics, 2015, 51, 1-3.	2.1	5
96	Direct and Inverse Magnetocaloric Effect in Ni_{1.81}Mn_{1.64}In_{0.55} Multifunctional Heusler Alloy. Solid State Phenomena, 2015, 233-234, 183-186.	0.3	5
97	New Approaches to Manipulation of Microbiological Objects. Physics Procedia, 2016, 82, 15-20.	1.2	5
98	Device for nanoobject manipulation based on two-layer composite with shape memory. Journal of Communications Technology and Electronics, 2016, 61, 302-310.	0.5	5
99	Revision of Clausiusâ€“Clapeyron Relation for the First-Order Phase Transition in Niâ€“Mnâ€“In Heusler Alloys. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	5
100	Direct Measurements of Adiabatic Temperature Change in Ni_{49.9}Mn_{37.03}Sb_{12.3}Fe_{0.77} Alloy due to Magnetocaloric Effect in the Temperature Range of Martensitic Transformation. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	5
101	High-Speed Composite Microactuator Based on Ti2NiCu Alloy with Shape Memory Effect. Physics of the Solid State, 2018, 60, 1163-1167.	0.6	5
102	Incidence of an electromagnetic wave onto one or two interfaces under the conditions of transition from dielectric propagation to metallic propagation. Journal of Communications Technology and Electronics, 2008, 53, 851-863.	0.5	4
103	Second-order magnetization precession in an anisotropic medium. Part 1: Uniaxial anisotropy. Journal of Communications Technology and Electronics, 2013, 58, 806-820.	0.5	4
104	Excitation of hypersonic oscillations under magnetic switching of a normally magnetized ferrite plate. Journal of Communications Technology and Electronics, 2014, 59, 523-535.	0.5	4
105	Second Order Precession in the Plate with Cubic Anisotropy and Magnetoelastic Properties. Solid State Phenomena, 0, 233-234, 73-78.	0.3	4
106	Annealing Influence on the Exchange-Bias and Magnetostructural Properties in the Ni_{50.0}Mn_{36.5}Sn_{13.5} Ribbon-Shape Alloy. Solid State Phenomena, 2015, 233-234, 179-182.	0.3	4
107	Thermoelastic properties of micron-size actuators based on the Ti2NiCu//Pt composite with shape-memory effect. Journal of Communications Technology and Electronics, 2016, 61, 630-638.	0.5	4
108	Rapidly quenched ferromagnetic ribbons with shape memory for magnetically controlled micromechanic devices. Journal of Communications Technology and Electronics, 2017, 62, 809-819.	0.5	4

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109	The development of criteria for evaluating energy efficiency and the choice of the optimal composition of the subsystems in the Russian integral transit transport system. , 2017, , .		4
110	Phase Transition and Magnetoelectric Effect in 2D Ferromagnetic Films on a Ferroelectric Substrate. Coatings, 2021, 11, 1325.	2.6	4
111	Anomalous propagation of elastic waves through a boundary between liquid and magnetoacoustic material. Technical Physics Letters, 2003, 29, 743-747.	0.7	3
112	Reflection and refraction of acoustic waves at the boundary between a magnetoacoustic material and a dielectric. Acoustical Physics, 2004, 50, 544-551.	1.0	3
113	Martensitic Transformation and Electrical Properties of a Ni[sub 2.14]Mn[sub 0.81]Fe[sub 0.05]Ga Alloy in Its Different Structural States. Physics of the Solid State, 2005, 47, 556.	0.6	3
114	Acoustic wave propagation through the boundary between a liquid and the Heusler ferromagnetic alloy. Acoustical Physics, 2006, 52, 56-64.	1.0	3
115	New mechanism of the schoch effect in nonmagnetic dielectrics. JETP Letters, 2007, 85, 617-621.	1.4	3
116	New composite shape memory functional material for nano and microengineering application. , 2008, , .		3
117	Effect of severe plastic deformation and ultrarapid quenching on the properties of magnetic shape memory alloys near the Ni2MnGa composition. Bulletin of the Russian Academy of Sciences: Physics, 2009, 73, 948-951.	0.6	3
118	Lost branches in the spectrum of Parekh waves. JETP Letters, 2012, 95, 652-655.	1.4	3
119	An algorithm for determination of the amplitudes of reflected and transmitted waves in the case when counterpropagating waves are incident on a multilayer stepwise inhomogeneous structure. Journal of Communications Technology and Electronics, 2012, 57, 62-74.	0.5	3
120	Electromagnetic waves reflected from the plate of a magnetic with a ferromagnetic spiral. Bulletin of the Russian Academy of Sciences: Physics, 2012, 76, 368-370.	0.6	3
121	Properties of evanescent waves in polarized media in a constant external electric field: II. The noncompensated antiferromagnetic. Optics and Spectroscopy (English Translation of Optika I) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.6	3
122	Properties of evanescent waves in polarized media in a constant external electric field: I. The compensated antiferromagnetic. Optics and Spectroscopy (English Translation of Optika I) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 350 217 Td	0.6	3
123	Structural and Magnetic Properties of Melt-Spun Ni-Mn(Fe)-Ga Ferromagnetic Shape Memory Ribbons. IEEE Transactions on Magnetics, 2014, 50, 1-3.	2.1	3
124	Investigation of Nonlinear Dynamics of Magnetoelastic Oscillations in Normal Magnetized Ferrite Plate. Solid State Phenomena, 0, 233-234, 471-475.	0.3	3
125	Application of the model of coupled oscillators in the analysis of the nonlinear excitation of hypersound in a ferrite plate under ferromagnetic resonance. Part 2. Nonlinear effects. Journal of Communications Technology and Electronics, 2015, 60, 280-293.	0.5	3
126	Nonlinear Magnetoelastic Dynamics of the Ferrite Plate. Journal of Siberian Federal University - Mathematics and Physics, 2017, 10, 36-39.	0.3	3

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127	Magnetic and Magnetocaloric Effects in Systems with Reverse First-Order Transitions. Physics of the Solid State, 2021, 63, 1889-1899.	0.6	3
128	In Situ TEM Study of Phase Transformations in Nonstoichiometric Ni46Mn41In13 Heusler Alloy. Physics of the Solid State, 2022, 64, 15-21.	0.6	3
129	New Mechanism of a Surface Magnetic Polaritons Formation in Magnet with the Linear Magnetoelectric Effect. Ferroelectrics, 2002, 279, 3-17.	0.6	2
130	Dynamic piezomagnetic interaction. Doklady Physics, 2007, 52, 527-529.	0.7	2
131	Reflection and refraction of an acoustic beam at the boundary between a fluid and a magnetoacoustic material near the orientational phase transition. Acoustical Physics, 2007, 53, 123-126.	1.0	2
132	Influence of a magnetic field on the Jahn-Teller band effect in a conducting ferromagnet. Journal of Experimental and Theoretical Physics, 2007, 104, 943-950.	0.9	2
133	Investigation of the coefficient of reflection from composite structures containing ferrites at microwave frequencies. Journal of Communications Technology and Electronics, 2008, 53, 460-462.	0.5	2
134	Surface dynamics of a nongyrotropic multiferroic with quadratic magnetoelectric interaction. Bulletin of the Russian Academy of Sciences: Physics, 2008, 72, 1426-1428.	0.6	2
135	Analysis of electromagnetic wave propagation through a conducting layer via the phase-plane method. Journal of Communications Technology and Electronics, 2009, 54, 493-505.	0.5	2
136	Resonant amplification of evanescent acoustic waves by a composite magnetic structure. Doklady Physics, 2009, 54, 118-120.	0.7	2
137	Effect of magnetic field on the morphology and fine structure of low-temperature martensite phase in a ferromagnetic Ni2.08Mn0.96Ga0.96 alloy. Physics of Metals and Metallography, 2011, 112, 488-494.	1.0	2
138	Refraction of s- and p-polarized electromagnetic waves at the interface between a nonmagnetic insulator and an easy-axis centroantisymmetric antiferromagnet. Bulletin of the Russian Academy of Sciences: Physics, 2011, 75, 713-717.	0.6	2
139	The Tamm exceptional surface waves. Doklady Physics, 2012, 57, 387-389.	0.7	2
140	Spectrum of Coupled Waves in Orthorhombic Multiferroics With Cycloidal Antiferromagnetic Structure in External Electric and Magnetic Fields. IEEE Transactions on Magnetics, 2013, 49, 4695-4698.	2.1	2
141	Reflecting electromagnetic waves from a surface of TbMnO3 with sinusoidal antiferromagnetic structure. Bulletin of the Russian Academy of Sciences: Physics, 2013, 77, 1120-1122.	0.6	2
142	Magnetoelectric susceptibility tensor of multiferroic TbMnO3 with cycloidal antiferromagnetic structure in external field. Journal of Applied Physics, 2013, 113, 17C726.	2.5	2
143	Magneto-optic properties of ultrathin bismuth-containing ferrite-garnet films obtained using radio-frequency magnetron sputtering. Journal of Communications Technology and Electronics, 2014, 59, 1423-1425.	0.5	2
144	The shape memory effect in nanoscale composites based on Ti2NiCU alloy. , 2016, , .		2

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145	Elastocaloric effect in rubber on exposure to a periodic tensile force. Technical Physics, 2016, 61, 1679-1683.	0.7	2
146	Excitation of hypersound by multiplication of the ferromagnetic resonance frequency in a magnetostriction transducer. Technical Physics Letters, 2016, 42, 456-459.	0.7	2
147	Manifestation of unidirectional exchange anisotropy in ferrite-garnet films with a â€œweakâ€•sublattice. Journal of Magnetism and Magnetic Materials, 2017, 443, 319-323.	2.3	2
148	Studying the elastocaloric effect in a fast-quenched Ti2NiCu ribbon with the shape memory effect. Bulletin of the Russian Academy of Sciences: Physics, 2017, 81, 1374-1376.	0.6	2
149	Multiple frequency transformation in the magnetostriction transducer: Frequency division in the relaxation mode. Journal of Communications Technology and Electronics, 2017, 62, 1004-1017.	0.5	2
150	Spatial Distribution of the Amplitudes of Electromagnetic Waves Propagating in a Bounded Multilayer Structure with Periodic Irregularity. Journal of Communications Technology and Electronics, 2017, 62, 1396-1407.	0.5	2
151	Magnetic and Elastic Vibrations in Manganeseâ€“Zinc Spinel Crystals as the Functions of Anisotropy Constant. Physics of the Solid State, 2018, 60, 1153-1157.	0.6	2
152	Effects of Resonant Enhancement of Evanescent Spin Waves in Exchange-Coupled Layered Magnetic Structures with and without an Inversion Center. JETP Letters, 2019, 109, 392-399.	1.4	2
153	An antiferromagnet as a tunable single-phase elastic hyperbolic medium with spatial dispersion. Low Temperature Physics, 2020, 46, 824-829.	0.6	2
154	Functional Fatigue of Niâ€“Mnâ€“Ga and Niâ€“Ti Alloys with the Shape Memory Effect in Thermocycling Conditions under a Constant Stress. Technical Physics, 2020, 65, 578-583.	0.7	2
155	Resonant Polariton Effects in a Structure of Equidistant Layers of a Single-Phase Hyperbolic Medium with Spatial Dispersion. JETP Letters, 2020, 111, 311-319.	1.4	2
156	Elastic Dipole Mechanism of the Formation and Collapse of Fano Resonances at the Transmission of Transverse Phonons through Layered Magnetic Heterostructures. JETP Letters, 2020, 112, 420-427.	1.4	2
157	Current Status and Prospects for the Development of the Integrated Transit Transport System (ITTS) of Russia on the Basis of Vacuum Magnetic Levitation Transport (VMLT). Transportation Systems and Technology, 2019, 5, 25-62.	0.4	2
158	The observation of the contribution of longitudinal susceptibility to the frequency of the soft magnetoresonance mode in SmFeO3. Journal of Experimental and Theoretical Physics, 2001, 92, 634-642.	0.9	1
159	Static and dynamic properties of a ferrite-garnet film in the neighborhood of orientational phase transitions. Journal of Experimental and Theoretical Physics, 2002, 95, 106-113.	0.9	1
160	Reflection and refraction of acoustic waves from the insulator-magnetoacoustic material interface. Technical Physics, 2003, 48, 893-900.	0.7	1
161	Effect of the structure of the Ni2.14Mn0.81Fe0.05Ga alloy on the temperature dependence of magnetization. Doklady Physics, 2005, 50, 28-31.	0.7	1
162	Thermal Expansion of a Ni[sub 2.14]Mn[sub 0.81]Fe[sub 0.05]Ga Alloy in Coarse-Grained, Submicron, and Nanocrystalline States. Physics of the Solid State, 2005, 47, 1944.	0.6	1

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163	Electric-field-induced features of propagation and localization of S-polaritons in a gyrotropic 1D magnetic photonic crystal. Bulletin of the Russian Academy of Sciences: Physics, 2009, 73, 959-961.	0.6	1
164	Two-way shape memory in a nanoscale sample of Ti49.5Ni25.5Cu25.0 alloy with a partially ordered structure. Bulletin of the Russian Academy of Sciences: Physics, 2009, 73, 1076-1078.	0.6	1
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