Andrey V Svalov

List of Publications by Year
in descending order

168	1,912	279487 23	344852 36
papers	citations	h-index	g-index

168	168	168	1427
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structure and Magnetic Properties of Thin Permalloy Films Near the â€œTranscriticalâ€•State. IEEE Transactions on Magnetics, 2010, 46, 333-336.	1.2	114
2	Giant magnetoimpedance biosensor for ferrogel detection: Model system to evaluate properties of natural tissue. Applied Physics Letters, 2015, 106, .	1.5	71
3	Crossover from superspin glass to superferromagnet inFexAg100â^'xnanostructured thin films(20â‰¤xâ‰¤50). Physical Review B, 2010, 82, .	1.1	68
4	Modelling of magnetoimpedance response of thin film sensitive element in the presence of ferrogel: Next step toward development of biosensor for in-tissue embedded magnetic nanoparticles detection. Biosensors and Bioelectronics, 2018, 117, 366-372.	5.3	58
5	Thin-film magneto-impedance structures with very large sensitivity. Journal of Magnetism and Magnetic Materials, 2016, 400, 321-326.	1.0	56
6	GMI detection of magnetic-particle concentration in continuous flow. Sensors and Actuators A: Physical, 2011, 172, 103-108.	2.0	53
7	Sensor Applications of Soft Magnetic Materials Based on Magneto-Impedance, Magneto-Elastic Resonance and Magneto-Electricity. Sensors, 2014, 14, 7602-7624.	2.1	49
8	FeNi-based magnetoimpedance multilayers: Tailoring of the softness by magnetic spacers. Applied Physics Letters, 2012, 100, .	1.5	47
9	Domain structure and magnetization process of a giant magnetoimpedance geometry FeNi/Cu/FeNi(Cu)FeNi/Cu/FeNi sensitive element. Journal of Physics Condensed Matter, 2004, 16, 6561-6568.	0.7	42
10	Tailoring the magnetic anisotropy of thin film permalloy microstrips by combined shape and induced anisotropies. European Physical Journal B, 2013, 86, 1.	0.6	41
11	Flexible thin film magnetoimpedance sensors. Journal of Magnetism and Magnetic Materials, 2016, 415, 91-96.	1.0	41
12	Nanostructured materials for magnetic biosensing. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 1494-1506.	1.1	41
13	Mechanical, Electrical and Magnetic Properties of Ferrogels with Embedded Iron Oxide Nanoparticles Obtained by Laser Target Evaporation: Focus on Multifunctional Biosensor Applications. Sensors, 2018, 18, 872.	2.1	40
14	Modification of the â€œTranscriticalâ€•state in Ni75Fe16Cu5Mo4 films produced by RF sputtering. Technical Physics, 2004, 49, 868-871.	0.2	39
15	Magnetoimpedance of sandwiched films: experimental results and numerical calculations. Journal of Magnetism and Magnetic Materials, 2002, 242-245, 291-293.	1.0	36
16	Nanostructured giant magneto-impedance multilayers deposited onto flexible substrates for low pressure sensing. Nanoscale Research Letters, 2012, 7, 230.	3.1	34
17	High-yield fabrication of 60 nm Permalloy nanodiscs in well-defined magnetic vortex state for biomedical applications. Nanotechnology, 2016, 27, 175302.	1.3	34
18	FeNi-based magnetic layered nanostructures: Magnetic properties and giant magnetoimpedance. Journal of Applied Physics, 2010, 107, .	1.1	32

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19	Nanostructured Magnetoimpedance Multilayers. IEEE Transactions on Magnetics, 2012, 48, 1375-1380.	1.2	29
20	Ferromagnetic resonance in FeCoNi electroplated wires. Journal of Applied Physics, 2003, 94, 1868-1872.	1.1	28
21	Magnetic behaviour of non-contacting Ni nanoparticles encapsulated in vertically aligned carbon nanotubes. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, 2679-2682.	0.8	25
22	High Performance Magnetoimpedance in FeNi/Ti Nanostructured Multilayers with Opened Magnetic Flux. Journal of Nanoscience and Nanotechnology, 2012, 12, 7496-7500.	0.9	24
23	GMI in Nanostructured FeNi/Ti Multilayers With Different Thicknesses of the Magnetic Layers. IEEE Transactions on Magnetics, 2013, 49, 18-21.	1.2	24
24	Martensitic transformation in Niâ€“Mnâ€“Ga/Si(100) thin films. Thin Solid Films, 2014, 558, 449-454.	0.8	22
25	Thermo-sensitive spin valve based on layered artificial ferrimagnet. Applied Physics Letters, 2016, 108, .	1.5	22
26	Nanostructuring as a procedure to control the field dependence of the magnetocaloric effect. Materials and Design, 2017, 114, 214-219.	3.3	22
27	Influence of the Size and Structural Factors on the Magnetism of Multilayer Films Based on 3d and 4f Metals. Physics of Metals and Metallography, 2017, 118, 1263-1299.	0.3	22
28	Structure and magnetic properties of nanocrystalline FeCuNbSiB alloys after a thermomechanical treatment. Physics of Metals and Metallography, 2006, 102, 268-273.	0.3	20
29	Longitudinal magnetic bistability of electroplated wires. Journal of Magnetism and Magnetic Materials, 2002, 249, 34-38.	1.0	19
30	Equivalent Magnetic Noise of Micro-Patterned Multilayer Thin Films Based GMI Microsensor. IEEE Sensors Journal, 2015, 15, 6707-6714.	2.4	19
31	Magnetoimpedance Thin Film Sensor for Detecting of Stray Fields of Magnetic Particles in Blood Vessel. Sensors, 2021, 21, 3621.	2.1	19
32	Study of the effect of the deposition rate and seed layers on structure and magnetic properties of magnetron sputtered FeNi films. Vacuum, 2015, 119, 245-249.	1.6	18
33	Magnetic anisotropy of Tb-Co amorphous films. Physics of the Solid State, 2011, 53, 2275-2283.	0.2	17
34	Magnetoimpedance biosensor prototype for ferrogel detection. Journal of Magnetism and Magnetic Materials, 2017, 441, 650-655.	1.0	17
35	Exchange biased FeNi/FeMn bilayers with coercivity and switching field enhanced by FeMn surface oxidation. AIP Advances, 2013, 3, .	0.6	16
36	Fe20Ni80/Fe50Mn50 film magnetoresistive medium. Technical Physics, 2015, 60, 116-122.	0.2	16

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37	Thin-Film Magnetoimpedance Structures Onto Flexible Substrates as Deformation Sensors. IEEE Transactions on Magnetics, 2017, 53, 1-5.	1.2	16
38	Structural Peculiarities and Magnetic Properties of FeNi Films and FeNi/Ti-Based Magnetic Nanostructures. IEEE Transactions on Magnetics, 2012, 48, 1605-1608.	1.2	15
39	Magnetoimpedance of CoFeCrSiB Ribbon-Based Sensitive Element with FeNi Covering: Experiment and Modeling. Sensors, 2021, 21, 6728.	2.1	15
40	Spin-valve structures with Co-Tb-based multilayers. IEEE Transactions on Magnetics, 2002, 38, 2782-2784.	1.2	14
41	Magnetism of Co layers in a Co/Si multilayer film. Physics of the Solid State, 2007, 49, 302-307.	0.2	14
42	Giant magnetic impedance of film nanostructures adapted for biodetection. Russian Physics Journal, 2009, 52, 769-776.	0.2	14
43	High-Frequency Magnetoimpedance Response of Thin-Film Microstructures Using Coplanar Waveguides. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	14
44	Exchange bias in sputtered FeNi/FeMn systems: Effect of short low-temperature heat treatments. Journal of Magnetism and Magnetic Materials, 2016, 402, 49-54.	1.0	14
45	Effect of Ti seed and spacer layers on structure and magnetic properties of FeNi thin films and FeNi-based multilayers. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2014, 188, 102-105.	1.7	13
46	Specific features of the formation of atomic magnetic moments in amorphous films RE-Co (RE = La, Gd,) Tj ETQq0 0 0 rgBT /Overlock 10	0.2	13
47	Transformation volume strain in Ni-Mn-Ga thin films. Applied Physics Letters, 2012, 101, .	1.5	12
48	Structure and magnetic properties of Gd/Si and Gd/Cu multilayered films. Physica B: Condensed Matter, 2002, 315, 143-149.	1.3	11
49	Magnetoresistive Fe19Ni81/Tb-Co medium with an internal magnetic bias. Technical Physics, 2011, 56, 981-985.	0.2	11
50	Fabrication conditions and transformation behavior of epitaxial Niâ€“Mnâ€“Ga thin films. Journal of Materials Science, 2012, 47, 3658-3662.	1.7	11
51	Magnetoimpedance of FeNi-based asymmetric sensitive elements. Journal of Magnetism and Magnetic Materials, 2016, 415, 87-90.	1.0	11
52	Spin-glass-like behavior of low field magnetisation in multilayer (Gd/Si/Co/Si)n films. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 309, 155-159.	0.9	10
53	Effect of phase separation in an Fe20Ni80/Fe50Mn50 structure with exchange coupling. Physics of Metals and Metallography, 2014, 115, 856-863.	0.3	10
54	Tuning the structure and magnetic softness of thin permalloy films by variations in the thickness of titanium seed layer. Materials Letters, 2015, 152, 159-162.	1.3	10

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55	Exchange bias in FeNi/FeMn/FeNi multilayers. Superlattices and Microstructures, 2015, 83, 216-223.	1.4	10
56	Magnetic nanoscopic correlations in the crossover between a superspin glass and a superferromagnet. Journal of Applied Physics, 2016, 119, .	1.1	10
57	Advanced Characterization of FeNi-Based Films for the Development of Magnetic Field Sensors with Tailored Functional Parameters. Sensors, 2022, 22, 3324.	2.1	10
58	MOKE study of Co/Ti/(Gdâ€“Co) multilayers near the magnetic compensation state. Journal of Alloys and Compounds, 2006, 419, 25-31.	2.8	9
59	Structural Peculiarities and Magnetic Properties of Nanoscale Terbium in Tb/Ti and Tb/Si Multilayers. Chinese Physics Letters, 2006, 23, 196-199.	1.3	9
60	Structure and magnetic properties of nanostructured GdTb thin films. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 2273-2276.	0.8	9
61	Effect of annealing on the magnetic anisotropy and hysteretic properties of film structures containing Tb-Co amorphous layers. Physics of Metals and Metallography, 2012, 113, 862-866.	0.3	9
62	Comparison of Micro-Fabrication Routes for Magneto-Impedance Elements: Lift-Off and Wet-Etching. IEEE Transactions on Magnetics, 2012, 48, 1601-1604.	1.2	9
63	Magnetization processes and magnetic domain structure in weakly coupled GdCo/Si/Co trilayers. Journal of Alloys and Compounds, 2014, 615, S366-S370.	2.8	9
64	Thickness-dependent Curie temperature in ferrimagnetic Gdâ€“Co/Ti multilayers. Superlattices and Microstructures, 2016, 90, 242-246.	1.4	9
65	Exchange interaction in Co/Bi/Co thin-film systems with Bi interlayer. Journal of Magnetism and Magnetic Materials, 2017, 440, 136-139.	1.0	9
66	Spin-valve magnetoresistive structures based on Co/Tb multilayer films. Technical Physics, 2002, 47, 987-990.	0.2	8
67	Magnetoimpedance effect in the FeNi/Ti-based multilayered structure: A pressure sensor prototype. AIP Conference Proceedings, 2016, , .	0.3	8
68	Thickness dependence of magnetic properties of thin amorphous ferrimagnetic rare earthâ€“transition metal multilayers. Journal of Magnetism and Magnetic Materials, 2018, 459, 57-60.	1.0	8
69	Influence of the Parameters of Permalloy-Based Multilayer Film Structures on the Sensitivity of Magnetic Impedance Effect. Physics of Metals and Metallography, 2021, 122, 223-229.	0.3	8
70	Influence of Temperature on Structure and Magnetic Properties of Exchange Coupled TbCo/FeNi Bilayers. Journal of Nanoscience and Nanotechnology, 2012, 12, 7566-7570.	0.9	7
71	The Influence of Si on Magnetic and Magneto-Optical Properties of Co/Si/Co Thin-Film Systems. Solid State Phenomena, 2015, 233-234, 653-656.	0.3	7
72	Anomalies in hysteresis properties of Fe20Ni80/Tb-Co films with unidirectional anisotropy. Thin Solid Films, 2015, 577, 1-5.	0.8	7

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73	Structural and Magnetic Properties of Ni0.8Fe0.2/Ti Nanoscale Multilayers. Nanomaterials, 2018, 8, 780.	1.9	7
74	Crystal structure and exchange bias of Ni-Mn-based films. Journal of Alloys and Compounds, 2019, 777, 264-270.	2.8	7
75	Nanocrystallization and magnetic anisotropy in. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 1499-1501.	1.0	6
76	The effect of the additional biasing on the switching process in pseudo spin-valve structure. Vacuum, 2007, 81, 1012-1015.	1.6	6
77	Structure and Electrical Resistivity of Sputtered Tb/Ti and Tb/Si Magnetic Multilayers. IEEE Transactions on Magnetics, 2010, 46, 1515-1518.	1.2	6
78	FeNi-Based Film Nanostructures for High Frequency Applications: Design and Characterization. Solid State Phenomena, 2010, 168-169, 257-260.	0.3	6
79	Structure and Magnetic Properties of FeNi/Ti Multilayered Films Grown by Magnetron Sputtering. Solid State Phenomena, 0, 233-234, 591-594.	0.3	6
80	Tailoring of switching field in GdCo-based spin valves by inserting Co layer. Journal of Magnetism and Magnetic Materials, 2017, 441, 795-798.	1.0	6
81	Magnetoimpedance effect in multilayered permalloy structure with different magnetostriction: Small-pressure sensor. AIP Conference Proceedings, 2017, , .	0.3	6
82	Spontaneous Spin Reorientation in Gdâ€“Co Amorphous Films. Physics of Metals and Metallography, 2019, 120, 1055-1062.	0.3	6
83	Exchange bias features in FeNi/FeMn/Gd-Co films. Journal of Magnetism and Magnetic Materials, 2020, 507, 166839.	1.0	6
84	Modified field dependence of the magnetocaloric effect in Gd powder obtained by ball milling. Materials Letters, 2021, 284, 128921.	1.3	6
85	Effect of heat treatment on the magnetic compensation state of amorphous Gdâ€“Co and layered Gd/Co films. Journal of Alloys and Compounds, 1999, 285, 238-241.	2.8	5
86	Hâ€“T phase diagram of a multilayered Gd/Si/Co film with ferrimagnetic ordering of the layers. Low Temperature Physics, 2001, 27, 137-142.	0.2	5
87	Spontaneous magnetization and characteristics of temperature-induced magnetization of planar Coâˆ•Si nanostructures. Low Temperature Physics, 2007, 33, 324-328.	0.2	5
88	Domain structure, magnetic properties, and giant magnetoimpedance of FeNi/Tiâ€based multilayers. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 2269-2272.	0.8	5
89	Tailoring the Exchange Bias in FeNi/FeMn Bilayers by Heat Treatment and FeMn Surface Oxidation. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	5
90	Co/Cu/Co Pseudo Spin-Valve System Prepared by Magnetron Sputtering with Different Argon Pressure. Key Engineering Materials, 0, 644, 211-214.	0.4	5

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91	Magnetic Materials for Thin Film Based Magnetoimpedance Biosensing. Physics of Metals and Metallography, 2019, 120, 1243-1251.	0.3	5
92	Peculiarities of ferrimagnetism of Gd/Co multilayers. Journal of Alloys and Compounds, 2001, 327, 5-10.	2.8	4
93	Effect of the layer thickness on the magnetic properties and structure of terbium in (Tb/Ti)n and (Tb/Si)n multilayer films. Technical Physics, 2005, 50, 914-917.	0.2	4
94	Interlayer coupling and magnetization process in Co/X/Gd-Co (X = Si, Ti, Cu) artificial ferrimagnets. Physics of Metals and Metallography, 2006, 101, S84-S86.	0.3	4
95	Magnetic resonance in multilayer Gd/Si/Co magnetic films. Journal of Experimental and Theoretical Physics, 2006, 102, 131-136.	0.2	4
96	High Frequency Magnetoimpedance of FeNi/Cu/FeNi Sensitive Elements with Different Geometries. Solid State Phenomena, 0, 152-153, 373-376.	0.3	4
97	Spin valves based on amorphous ferrimagnetic Gdâ€“Co films. Physics of Metals and Metallography, 2016, 117, 876-882.	0.3	4
98	Multi-Step Magnetization Process of Gd-Co/Co/Cu/Co Thermo-Sensitive Spin Valves. Electronics (Switzerland), 2018, 7, 351.	1.8	4
99	Magnetic and magnetocaloric properties of Gd melt-spun ribbons. Journal of Physics: Conference Series, 2019, 1389, 012100.	0.3	4
100	Magnetic studies of the homogeneity of ferrimagnetic amorphous films. Vacuum, 1995, 46, 113-115.	1.6	3
101	Magnetic and galvanomagnetic properties of CoPt films. Journal of Magnetism and Magnetic Materials, 1995, 146, 214-216.	1.0	3
102	Magnetic anisotropy peculiarities of Gd/Co films near the magnetic compensation state. Journal of Magnetism and Magnetic Materials, 1999, 203, 295-297.	1.0	3
103	Ferrimagnetic properties of Co/(Gdâ€“Co) multilayers. Journal of Magnetism and Magnetic Materials, 2006, 304, e703-e705.	1.0	3
104	Magnetic hysteresis of Co/Si multilayers with variable thickness parameters. Physics of Metals and Metallography, 2007, 103, 278-283.	0.3	3
105	Magnetic transition in Co/(Gdâ€“Co) multilayers. Journal of Magnetism and Magnetic Materials, 2008, 320, e734-e738.	1.0	3
106	Induced magnetic phase transitions in GdCo/Co-type multilayer films. Physics of the Solid State, 2008, 50, 1481-1486.	0.2	3
107	Influence of the Si Substrate on the Transport and Magnetotransport Properties of Nanostructured Fe-Ag Thin Films. IEEE Transactions on Magnetics, 2008, 44, 2784-2787.	1.2	3
108	Magnetoresistive Properties of Tb/Ti and Tb/Si Multilayers. Solid State Phenomena, 2009, 152-153, 237-240.	0.3	3

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109	Influence of the interface on the electronic channel switching of a Feâ€“Ag thin film on a Si substrate. Applied Physics Letters, 2009, 95, .	1.5	3
110	Collective magnetic behaviors of Feâ€“Ag nanostructured thin films above the percolation limit. Journal of Applied Physics, 2009, 105, 07B513.	1.1	3
111	Structure and Magnetic Properties of Gd/Ti Nanoscale Multilayers. Solid State Phenomena, 0, 168-169, 281-284.	0.3	3
112	Magnetoresistance in nanostructured Tb/Ti and Tb/Si multilayers. Journal of Applied Physics, 2011, 109, 023914.	1.1	3
113	Effects of thermal annealing on the magnetic interactions in nanogranular Feâ€“Ag thin films. Journal of Alloys and Compounds, 2012, 536, S271-S276.	2.8	3
114	Structure and magnetic properties of FeNi/Ti sputtered multilayers. EPJ Web of Conferences, 2013, 40, 17002.	0.1	3
115	Magnetic Properties and Magnetic Entropy Change in Gd/Ti Multilayers. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	3
116	Exchange Bias in FeMn/M (M = FeNi, Gd, Tb) Films. Physics Procedia, 2016, 82, 56-62.	1.2	3
117	Thickness Dependence of Magnetic Properties of Tbâ€“Co/Ti and Tbâ€“Co/Si Multilayers. Physics of Metals and Metallography, 2019, 120, 1260-1265.	0.3	3
118	Angular Dependence of the Ferromagnetic Resonance Parameters of [Ti/FeNi]6/Ti/Cu/Ti/[FeNi/Ti]6 Nanostructured Multilayered Elements in the Wide Frequency Range. Nanomaterials, 2020, 10, 433.	1.9	3
119	Magnetic and Microwave Properties of FeNi Thin Films of Different Thicknesses Deposited Onto Cyclo Olefin Copolymer Flexible Substrates. IEEE Transactions on Magnetics, 2022, 58, 1-5.	1.2	3
120	Exchange bias in FeNi/FeMn/Gdâ€“Co trilayers: The role of the magnetic prehistory. Current Applied Physics, 2021, 23, 68-75.	1.1	3
121	Rotational magnetic anisotropy in amorphous Gdî—¸Co films. Journal of Magnetism and Magnetic Materials, 1995, 148, 134-135.	1.0	2
122	Magnetic and magnetoresistive properties of synthesized ferrimagnetic Fe15Co20Ni65/GdCo. Journal of Magnetism and Magnetic Materials, 1995, 148, 321-322.	1.0	2
123	Magnetic compensation state peculiarities in [Gd-Co/X]n layered films. Physics of Metals and Metallography, 2006, 101, S81-S83.	0.3	2
124	Coupling between Co and Gdâ€“Co layers separated by nonmagnetic spacers. Physica B: Condensed Matter, 2007, 396, 113-116.	1.3	2
125	Magnetic properties and huge magnetic impedance of permalloy/ copper/permalloy film elements. Russian Physics Journal, 2009, 52, 1092-1097.	0.2	2
126	Structure evolution and magnetic properties of annealed nanoscale Gd/Ti multilayers. EPJ Web of Conferences, 2013, 40, 08005.	0.1	2

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127	Effect of temperature on magnetization reversal characteristics of ferromagnetic 3d metal layers within exchange-coupled FeMn-based structures. Physics of Metals and Metallography, 2015, 116, 1175-1181.	0.3	2
128	Fabrication of Patterned Ferromagnetic Shape Memory Thin Films. Key Engineering Materials, 0, 644, 219-222.	0.4	2
129	Influence of Bi on the magnetic and magneto-optical properties of Co/Bi/Co and Bi/Co thin-film systems. Japanese Journal of Applied Physics, 2016, 55, 07MF01.	0.8	2
130	Ferromagnetic phase in partially oxidized FeMn films. Journal of Magnetism and Magnetic Materials, 2018, 451, 546-548.	1.0	2
131	Magnetic Dichroism in the Reflectivity of Linearly Polarized Synchrotron Radiation from a Ti(10) Tj ETQq1 1 0.784314 rgBT /Overlock 10 802-810.	0.2	2
132	Rapidly quenched non-strained nanocrystalline Gd ribbons: Structural features and magnetic properties. Journal of Magnetism and Magnetic Materials, 2019, 490, 165529.	1.0	2
133	Influence of the Thickness of Gadolinium Layers on the Magnetic Properties and Magnetization Reversal Processes in Low-Dimensional Co/Gd/Co Systems. Physics of the Solid State, 2019, 61, 326-331.	0.2	2
134	Measurement of the Parameters of Ferromagnetic Microwires in a Frequency Range from 0.1 to 20 GHz. Inorganic Materials: Applied Research, 2020, 11, 181-187.	0.1	2
135	Changes in the Magnetic Structure upon Varying the Magnetic Layer Thickness in [Tbâ€“Co/Si]n Films. Physics of Metals and Metallography, 2021, 122, 115-120.	0.3	2
136	Features of the sperimagnetic structure of TbCo-based multilayers. AIP Conference Proceedings, 2020, , .	0.3	2
137	Magnetic and magnetooptical properties of Gd-Co-Si films of various thickness. Soviet Physics Journal (English Translation of Izvestiia Vysshykh Uchebnykh Zavedenii, Fizika), 1986, 29, 62-66.	0.0	1
138	Amorphous gadolinium-cobalt films with in-plane anisotropy for magnetoresistive sandwiches. Journal of Magnetism and Magnetic Materials, 1996, 156, 291-292.	1.0	1
139	Asymmetry of the spin-valve effect in FeNi/Cu/FeNi/FeMn films. Journal of Magnetism and Magnetic Materials, 1996, 157-158, 285-286.	1.0	1
140	Structural and magnetic phase transformations in multilayer gadolinium films. Physics of the Solid State, 2001, 43, 698-704.	0.2	1
141	Influence of magnetic field on the interlayer interaction in (Co/Si/Gd/Si)n films. JETP Letters, 2002, 75, 159-161.	0.4	1
142	Interlayer Coupling in Co/Ti/(Gdâ€“Co)/Ti Artificial Layered Ferrimagnet. Chinese Physics Letters, 2005, 22, 3169-3172.	1.3	1
143	Magnetic Behaviour of Tb/Si Nanoscale Multilayers with Small Thickness of Rare Earth Layers. Chinese Physics Letters, 2007, 24, 1717-1719.	1.3	1
144	GMI magnetic-particle concentration detection in continuous flow. Procedia Engineering, 2010, 5, 1324-1327.	1.2	1

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145	Study of GdCo/Si/Co/Si Multilayers by Polarized Neutron Reflectivity. Journal of Physics: Conference Series, 2011, 325, 012018.	0.3	1
146	Magnetoresitive Properties of Gd/Ti Multilayers. Solid State Phenomena, 2012, 190, 137-140.	0.3	1
147	Features of the magnetic properties of Co/Si/Co thin-film systems. Technical Physics Letters, 2013, 39, 1089-1092.	0.2	1
148	Influence of Temperature on Magnetic Properties of Tb₂₆Co₇₄/Co/Fe₂₀Ni₈₀Films with Exchange Bias. Acta Physica Polonica A, 2014, 126, 1312-1314.	0.2	1
149	Hysteretic properties of nanostructured terbium films. Technical Physics, 2014, 59, 530-534.	0.2	1
150	Magnetic properties of NixFe100-x layers in exchange-coupled FeMn/NixFe100-x film structures. AIP Conference Proceedings, 2016, , .	0.3	1
151	Structure and magnetic properties of Tb-Co/Ti and Tb-Co/Al2O3 multilayers. Journal of Magnetism and Magnetic Materials, 2018, 465, 147-150.	1.0	1
152	Thermosensitive Spin Valve Based on an Artificial Ferrimagnet: Magnetization Process in a Wide Range of Fields. Physics of the Solid State, 2019, 61, 1609-1613.	0.2	1
153	Magnetocaloric effect in TbCo-based multilayers. Journal of Physics: Conference Series, 2019, 1389, 012101.	0.3	1
154	Applying a stochastic pore-network modelling to obtain refined dependence between porosity and absolute permeability by example of Neocomian deposits of the West Siberian fields. Neftyanoe Khozyaystvo - Oil Industry, 2017, , 96-98.	0.1	1
155	Spin-valve structures with Co/Tb-based multilayers. , 0, , .		0
156	Coercive properties of a Gd/Si/Co multilayer film with a compensation point. Low Temperature Physics, 2004, 30, 140-143.	0.2	0
157	Correction to â€œInfluence of the Si Substrate on the Transport and Magnetotransport Properties of Nanostructured Fe-Ag Thin Filmsâ€•[Nov 09 2784-2787]. IEEE Transactions on Magnetics, 2009, 45, 3365-3365.	1.2	0
158	Magnetic disorder in nanostructuredFe₇Au₉₃films andFe₁₄Au₈₆powders. Journal of Physics: Conference Series, 2010, 200, 072028.	0.3	0
159	Equivalent magnetic noise of thin film based giant magneto-impedance microsensors. , 2014, , .		0
160	350% Magneto-impedance ratio in thin-film structures. , 2015, , .		0
161	Exchange Coupling in NixMn100-x/Fe20Ni80 Films. Physics Procedia, 2016, 82, 63-68.	1.2	0
162	Investigation of the Special Features of Low-Temperature Carbon Coating Deposition on the Permalloy Film Surface Under Normal Conditions During Interaction with Aromatic Solvents. Russian Physics Journal, 2017, 60, 157-162.	0.2	0

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163	Structural and magnetic characteristics of the Co/Cu/Co thin-film systems. EPJ Web of Conferences, 2018, 185, 03009.	0.1	0
164	The influence of the interlayer on the magnetic and structural properties of three-layer systems. Journal of Physics: Conference Series, 2019, 1389, 012021.	0.3	0
165	Magnetic Properties and Structure of Feâ€“Si Based Finemets. Sensor Letters, 2007, 5, 35-38.	0.4	0
166	PREPARATION AND SOME GALVANOMAGNETICS PROPERTIES OF GdCo MULTILAYER FILMS. Journal of the Magnetics Society of Japan, 1995, 19, S1_173-176.	0.4	0
167	TEMPERATURE DEPENDENCE OF THE ROTATIONAL MAGNETIC ANISOTROPY IN AMORPHOUS Gd-Co FILMS. Journal of the Magnetics Society of Japan, 1995, 19, S1_237-238.	0.4	0
168	Role of mechanical treatments in the formation of magnetocaloric properties of Gd melt spun ribbons. AIP Conference Proceedings, 2020, , .	0.3	0