

Sergey A Nikitin

List of Publications by Year in descending order

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160
papers

2,455
citations

279798

23
h-index

254184

43
g-index

167
all docs

167
docs citations

167
times ranked

1479
citing authors

#	ARTICLE	IF	CITATIONS
1	Anomalously high entropy change in FeRh alloy. Journal of Applied Physics, 1996, 79, 1689-1695.	2.5	284
2	The magnetocaloric effect in Fe ₄₉ Rh ₅₁ compound. Physics Letters, Section A: General, Atomic and Solid State Physics, 1990, 148, 363-366.	2.1	221
3	Alloys of the Fe–Rh system as a new class of working material for magnetic refrigerators. Cryogenics, 1992, 32, 867-872.	1.7	181
4	Giant elastocaloric effect in FeRh alloy. Physics Letters, Section A: General, Atomic and Solid State Physics, 1992, 171, 234-236.	2.1	123
5	Giant Rotating Magnetocaloric Effect in the Region of Spin-Reorientation Transition in the NdCo_5 Single Crystal. Physical Review Letters, 2010, 105, 137205.	7.8	111
6	Magnetocaloric effect in HoCo ₂ compound. Cryogenics, 1991, 31, 166-167.	1.7	49
7	Transformations of magnetic phase diagram as a result of insertion of hydrogen and nitrogen atoms in crystalline lattice of RFe ₁₁ Ti compounds. Journal of Alloys and Compounds, 2001, 316, 46-50.	5.5	47
8	Magnetocaloric properties of Gd in fields up to 14 T. Journal of Magnetism and Magnetic Materials, 2017, 433, 234-238.	2.3	47
9	Giant magnetostriction. Uspekhi Fizicheskikh Nauk, 1983, 26, 518-542.	0.3	39
10	A pressure-induced magnetic phase transition in Y ₂ Fe ₁₇ intermetallic compound. Physics Letters, Section A: General, Atomic and Solid State Physics, 1991, 153, 155-161.	2.1	39
11	Magnetic properties of RTiGe compounds. Journal of Magnetism and Magnetic Materials, 1998, 182, 375-380.	2.3	37
12	Structural and magnetic properties of Lu ₂ Fe ₁₇ H _x (x=0, 3) single crystals. Journal of Alloys and Compounds, 2001, 329, 31-36.	5.5	37
13	Rare-earth and transition metal sublattice contributions to magnetization and magnetic anisotropy of R(TM,Ti) ₁₂ single crystals. Journal of Alloys and Compounds, 1998, 275-277, 625-628.	5.5	29
14	Magnetostriction and magnetic anisotropy in TbFe ₁₁ TiH _x (x=0, 1) single crystals. Journal of Alloys and Compounds, 2001, 322, 42-44.	5.5	28
15	Magnetic anisotropy and Mössbauer effect studies of YFe ₁₁ Ti and YFe ₁₁ TiH. Journal of Physics Condensed Matter, 2001, 13, 8161-8170.	1.8	28
16	Magnetic properties of ternary scandium rare earth silicides and germanides. Journal of Alloys and Compounds, 2002, 345, 50-53.	5.5	28
17	Magnetocrystalline anisotropy of R ₂ Fe ₁₇ H _x (x=0, 3) single crystals. Journal of Alloys and Compounds, 2003, 350, 264-270.	5.5	27
18	The effect of hydrogen on the magnetocrystalline anisotropy of R ₂ Fe ₁₇ and R(Fe, Ti) ₁₂ (R=Dy, Lu) compounds. Journal of Alloys and Compounds, 2008, 451, 477-480.	5.5	27

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19	Magnetocaloric effect and pressure influence on dysprosium single crystal magnetization in the range of magnetic phase transition. <i>Journal of Magnetism and Magnetic Materials</i> , 1991, 92, 405-416.	2.3	26
20	Magnetic anisotropy and magnetostriction in a Lu ₂ Fe ₁₇ intermetallic single crystal. <i>Physics of the Solid State</i> , 2001, 43, 1720-1727.	0.6	26
21	Transformations of magnetic phase diagram as a result of insertion of hydrogen and nitrogen atoms in the crystalline lattice of R ₂ Fe ₁₇ compounds. <i>Journal of Alloys and Compounds</i> , 2002, 336, 36-40.	5.5	26
22	The change in the effective magnetic moment in gadolinium after severe plastic deformation. <i>Journal of Magnetism and Magnetic Materials</i> , 1996, 153, 241-245.	2.3	24
23	Spin reorientation and crystal field in the single-crystal hydride HoFe ₁₁ TiH. <i>Physical Review B</i> , 2001, 63, .	3.2	24
24	Magnetocaloric heat-pump cycles based on the AF-F transition in Fe-Rh alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2002, 251, 61-73.	2.3	24
25	Magnetic anisotropy and magnetoelastic properties of SmFe ₁₁ Ti. <i>Journal of Alloys and Compounds</i> , 1997, 259, 265-269.	5.5	23
26	Magnetization, magnetic anisotropy and magnetocaloric effect of the Tb _{0.2} Gd _{0.8} single crystal in high magnetic fields up to 14 T in region of a phase transition. <i>Acta Materialia</i> , 2018, 161, 331-337.	7.9	20
27	Zur Theorie der Tieftemperatur-Anomalien in den Ferrit-Granaten seltener Erden. <i>Physica Status Solidi (B): Basic Research</i> , 1965, 12, 453-464.	1.5	19
28	Magnetic properties of amorphous rare-earth 3d-transition-metal alloys. <i>Physics-Uspekhi</i> , 1997, 40, 581-597.	2.2	19
29	Structure and magnetic properties of RNi (R=Gd, Tb, Dy, Sm) and R ₆ M _{1.67} Si ₃ (R=Ce, Gd, Tb; M=Ni, Co) hydrides. <i>Journal of Alloys and Compounds</i> , 2011, 509, S830-S834.	5.5	19
30	Specific heat of the Gd ₃ Co and Gd ₃ Ni compounds. <i>Journal of Magnetism and Magnetic Materials</i> , 2003, 258-259, 583-585.	2.3	17
31	Effect of hydrogen on the magnetic characteristics of Nd ₂ Fe ₁₄ B single crystal. <i>Physica Status Solidi A</i> , 2003, 196, 317-320.	1.7	16
32	Magnetostructural phase transitions in manganese arsenide single crystals. <i>Physics of the Solid State</i> , 2012, 54, 1988-1995.	0.6	16
33	The influence of Ti on the itinerant magnetism of RTX compounds. <i>Journal of Magnetism and Magnetic Materials</i> , 1999, 196-197, 632-633.	2.3	15
34	Magnetization of nanocrystalline dysprosium: Annealing effects. <i>Journal of Applied Physics</i> , 1996, 79, 8584-8587.	2.5	14
35	Magnetic anisotropy of YFe ₁₁ Ti and its hydride. <i>Physics of the Solid State</i> , 1998, 40, 258-262.	0.6	14
36	Magnetocaloric effect in (Tb,Dy, <i>R</i>)(Co,Fe) ₂ (<i>R</i> = Ho, Er) multicomponent compounds. <i>Journal of Physics: Conference Series</i> , 2011, 266, 012077.	0.4	14

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37	The magnetocaloric effect and low temperature specific heat of SmNi. Solid State Communications, 2011, 151, 1240-1243.	1.9	14
38	Magnetostructural phase transitions and magnetocaloric effect in Mn(As,P) compounds and their composites. Journal of Alloys and Compounds, 2019, 801, 428-437.	5.5	14
39	Magnetization of a Gd ₃ Ni single crystal. Journal of Alloys and Compounds, 2002, 334, 40-44.	5.5	13
40	Specific heat of the R ₃ Co (R = heavy rare earth or Y) compounds. Physica Status Solidi A, 2003, 196, 325-328.	1.7	13
41	Magnetic ordering and magnetic transitions in GdMnSi compound. Journal of Alloys and Compounds, 2008, 451, 450-453.	5.5	13
42	Magnetocaloric effect, magnetic domain structure and spin-reorientation transitions in HoCo ₅ single crystals. Journal of Magnetism and Magnetic Materials, 2011, 323, 447-450.	2.3	13
43	Rotational Magnetocaloric Effect in the Er ₂ Fe ₁₄ B Single Crystal. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	13
44	Magnetic anisotropy and magnetic properties of RTSi (R=Gd, Y; T=Mn, Fe) compounds. Journal of Alloys and Compounds, 1998, 280, 16-19.	5.5	12
45	Effect of uniform pressure on magnetization and magnetic phase diagram of terbium single crystal. Journal of Magnetism and Magnetic Materials, 1991, 92, 397-404.	2.3	11
46	The magnetocrystalline anisotropy in YTi(Fe,Co) ₁₁ single crystals. Journal of Alloys and Compounds, 1999, 283, 45-48.	5.5	11
47	Effect of hydrogen on the magnetic anisotropy and spin-reorientation transition in ErFe ₁₁ Ti single crystal. Journal of Alloys and Compounds, 2002, 345, 16-19.	5.5	11
48	Comparative analysis of the magnetization processes of the Gd ₃ Ni and Gd ₃ Co single crystals. Journal of Magnetism and Magnetic Materials, 2002, 251, 148-154.	2.3	11
49	Magnetic properties of the intermetallic compounds RNi (R=Gd, Tb, Dy, Sm) and their hydrides. Inorganic Materials, 2010, 46, 364-371.	0.8	11
50	Giant anomalies of the Young's modulus and internal friction of FeRh alloy above the AFM-FM transition point. Physics Letters, Section A: General, Atomic and Solid State Physics, 1993, 176, 275-278.	2.1	10
51	Effect of interstitial hydrogen and nitrogen on the magnetocrystalline anisotropy of R ₂ Fe ₁₇ (R=Tb,Dy,Ho,Er). Journal of Alloys and Compounds, 1997, 261, 15-18.	5.5	10
52	Magnetic anisotropy of LuFe ₁₁ Ti compound and its hydride and nitride. Journal of Magnetism and Magnetic Materials, 2001, 231, 213-218.	2.3	10
53	The magnetization processes, spin reorientation transitions and magnetic domain structure in DyFe ₁₀ CoTi single crystal. Journal of Magnetism and Magnetic Materials, 2002, 238, 215-220.	2.3	10
54	Magnetostriction and magnetization of the intermetallic compounds RFe ₂ · x Co x (R = Tb, Dy, Er) with compensated magnetic anisotropy. Physics of the Solid State, 2009, 51, 92-98.	0.6	10

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55	Direct measurement of the magnetocaloric effect in MnZnSb intermetallic compound. Journal of Magnetism and Magnetic Materials, 2019, 470, 46-49.	2.3	10
56	Magnetocrystalline anisotropy and magnetostriction of H and N modified R ₂ Fe ₁₇ compounds (R=Y, Tb). Journal of Magnetism and Magnetic Materials, 2000, 200, 1-10.	2.3	9
57	Change of magnetic state in a Ce ₂ Fe ₁₆ Mn single crystal upon hydrogenation. Journal of Alloys and Compounds, 2004, 365, 80-83.	5.5	9
58	Influence of hydrogenation on magnetic interactions in intermetallic RNi (R=Gd, Tb, Dy) compounds. Journal of Alloys and Compounds, 2011, 509, S827-S829.	5.5	9
59	Hydrogen absorption and its effect on magnetic properties of Nd ₂ Fe ₁₄ B. Journal of Magnetism and Magnetic Materials, 2018, 453, 226-230.	2.3	9
60	Magnetic Properties of GdMn _x Fe _{1-x} Si intermetallic Compounds. Acta Physica Polonica A, 1997, 91, 463-466.	0.5	9
61	Magneto-phonon contribution into the Young's modulus of gadolinium. European Physical Journal B, 1998, 4, 441-445.	1.5	8
62	Metal-semiconductor-insulator transitions in R ₃ Ni compounds induced by hydrogenation. Journal of Alloys and Compounds, 2001, 314, 22-28.	5.5	8
63	Heat pump cycles based on the AF-F transition in Fe-Rh alloys induced by tensile stress. International Journal of Refrigeration, 2002, 25, 1034-1042.	3.4	8
64	The influence of interatomic distances on magnetic ordering in RMnSi compounds (R=La, Y, Sm, and Tb). Journal of Magnetism and Magnetic Materials, 2000, 200, 1-10.	0.6	8
65	Effect of Hydrogenation on the Magnetic and Magnetoelastic Properties of the Tb _{0.27} Dy _{0.73} Fe ₂ and Tb _{0.27} Dy _{0.73} Co ₂ Compounds with Compensated Magnetic Anisotropy. Physics of the Solid State, 2005, 47, 1909.	0.6	8
66	The effect of atomic volume on the Curie temperature and exchange integrals in amorphous R-Fe alloys. Journal of Magnetism and Magnetic Materials, 1993, 118, 142-146.	2.3	7
67	Magnetic properties and exchange interactions in amorphous and crystalline Y-Fe alloys. Journal of Magnetism and Magnetic Materials, 1993, 118, 147-151.	2.3	7
68	Maxima of the internal friction and NGR peculiarities of erbium in the region of spin-slip transitions. Journal of Magnetism and Magnetic Materials, 1993, 125, 190-194.	2.3	7
69	Itinerant magnetism of GdLa _{1-x} MSi (M = Fe, Co) compounds. Journal of Magnetism and Magnetic Materials, 1996, 157-158, 387-388.	2.3	7
70	Magnetic anisotropy of YFe ₁₁ Ti single crystal and its hydride. International Journal of Hydrogen Energy, 1999, 24, 217-219.	7.1	7
71	Effect of hydrogenation on spin-reorientation phase transitions and magnetic anisotropy constants of RFe ₁₁ Ti single crystals (R=Lu, Ho, and Er). Physics of the Solid State, 2001, 43, 290-299.	0.6	7
72	Structure and magnetic properties of Ho ₂ Fe ₁₇ H _x (x=0;3) single crystals. Journal of Magnetism and Magnetic Materials, 2003, 258-259, 427-429.	2.3	7

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73	Effect of hydrogen insertion on the magnetic properties of Er(Fe,Co) ₁₁ Ti single crystals. Journal of Alloys and Compounds, 2005, 404-406, 181-184.	5.5	7
74	Magnetocaloric Effect of RCo ₅ Single Crystals in the Region of Spin-Reorientation Transitions. Solid State Phenomena, 0, 168-169, 134-137.	0.3	7
75	The Effect of Structural State on Magnetic and Magnetocaloric Properties of Micro-and Nanocrystalline Gd. Solid State Phenomena, 0, 190, 315-318.	0.3	7
76	The influence of titanium substitution on the magnetic, magnetocaloric, and magnetoelastic properties of Gd ₅ Si ₂ Ge ₂ . Journal of Applied Physics, 2018, 124, .	2.5	7
77	Magnetic part of specific heat in high-purity Dy single crystal. Journal of Magnetism and Magnetic Materials, 1991, 96, 26-28.	2.3	6
78	Magnetoelastic properties of gadolinium. Journal of Applied Physics, 1992, 72, 4247-4249.	2.5	6
79	Effect of interstitial hydrogen and nitrogen on the magnetocrystalline anisotropy of Y ₂ Fe ₁₇ . Journal of Alloys and Compounds, 1997, 260, 5-6.	5.5	6
80	Magnetostriction in the vicinity of spin-reorientation phase transitions in singlecrystal DyFe ₁₁ Ti. Physics of the Solid State, 1999, 41, 1508-1510.	0.6	6
81	Negative magnetic moment induced by a magnetic field in the region of the magnetic phase transition in SmMnSi compound. Journal Physics D: Applied Physics, 1999, 32, L23-L25.	2.8	6
82	Magnetization and specific heat of the Ho ₃ Co compound. Journal of Magnetism and Magnetic Materials, 2003, 258-259, 561-563.	2.3	6
83	Effect of interstitial atoms on the effective exchange fields in ferrimagnetic rare-earth and 3d transition metal compounds R ₂ Fe ₁₇ and RFe ₁₁ Ti. Physics of the Solid State, 2003, 45, 1944-1951.	0.6	6
84	Synthesis and properties of NaZn ₁₃ -type interstitial compounds. Journal of Alloys and Compounds, 2004, 367, 266-269.	5.5	6
85	Magnetocaloric effect and magnetoresistance in Gd _x La _{1-x} MnSi compounds. Journal of Magnetism and Magnetic Materials, 2006, 300, e493-e496.	2.3	6
86	Effect of hydrogenation on magnetic ordering temperature in Lu ₂ (Fe,Si) ₁₇ compounds. Journal of Magnetism and Magnetic Materials, 2006, 300, e497-e499.	2.3	6
87	Increase in the magnetostrictive susceptibility of Tb _{0.3} Dy _{0.67} Ho _{0.03} Fe ₂ ^x Co _x alloys upon substitution of cobalt for iron. Physics of the Solid State, 2007, 49, 315-319.	0.6	6
88	The change of crystallite sizes and magnetocaloric effect in rapidly quenched dysprosium. Physica Status Solidi C: Current Topics in Solid State Physics, 2014, 11, 1149-1154.	0.8	6
89	Hydrogen-induced extremely large change in Curie temperatures in layered GdTSiH (T _c =Mn, Fe, Co). Journal of Applied Physics, 2020, 128, 143903.	2.5	6
90	Spin-slip transitions in erbium induced by a magnetic field. Physics Letters, Section A: General, Atomic and Solid State Physics, 1991, 158, 265-269.	2.1	5

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91	Magnetic properties of terbium with submicrocrystalline structure. Scripta Materialia, 1997, 8, 953-959.	0.5	5
92	Magnetic and crystalline properties of Gd _x La _{1-x} FeSi compounds. Physics of the Solid State, 1997, 39, 284-287.	0.6	5
93	Magnetostriction of R ₂ Fe ₁₇ (R=Tb,Dy,Ho and Er) and their nitrides and hydrides. Journal of Alloys and Compounds, 1999, 284, 27-30.	5.5	5
94	The synthesis and magnetic properties of LaCo ₃ hydrides and nitrides. Journal of Alloys and Compounds, 1999, 293-295, 247-250.	5.5	5
95	Incoherent rotation of the erbium magnetic moments during magnetization processes of the Er ₃ Ni and Er ₃ Co compounds. Journal of Magnetism and Magnetic Materials, 2002, 251, 155-162.	2.3	5
96	Spin-Reorientation Transitions and Domain Structure in TbFe _{11-x} [sub x]Co _x Ti Single Crystals. Physics of the Solid State, 2005, 47, 517.	0.6	5
97	Effect of Ga substitution for Ge on magnetic and crystal properties of the GdMnGe _{1-x} Gax intermetallics. Intermetallics, 2005, 13, 857-861.	3.9	5
98	Magnetostriction and thermal expansion of Er ₂ Fe ₁₄ B and its hydride. Journal of Magnetism and Magnetic Materials, 2006, 300, e418-e421.	2.3	5
99	Spin-reorientation transitions in Nd ₂ (Fe,Co) ₁₄ B compounds and their hydrides. Journal of Magnetism and Magnetic Materials, 2006, 300, e465-e468.	2.3	5
100	A magnetic and crystallographic study of new ternary GdSc _x Ti _{1-x} Ge compounds. Journal of Magnetism and Magnetic Materials, 2006, 300, e489-e492.	2.3	5
101	X-ray and Mössbauer studies of the Tb _{0.3} Dy _{0.7} Fe _{2-x} Co _x system alloys. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika), 2007, 62, 237-239.	0.4	5
102	Effect of hydrogenation on the magnetic properties of the intermetallic compound Er ₂ Fe ₁₄ B with single-crystal and nanocrystalline structures. Physics of the Solid State, 2008, 50, 56-62.	0.6	5
103	Giant Magnetocaloric Effect in the Region of Magnetic Phase Transition in Mn (As,Sb) Compounds. Solid State Phenomena, 0, 190, 343-346.	0.3	5
104	Magnetic Properties of Single Crystals of Highly Diluted Dysprosium-Yttrium Alloys. Physica Status Solidi A, 1986, 96, 265-269.	1.7	4
105	Cooling Scheme Based on the AF-F Transition in Fe-Rh Alloys Induced by Tensile Stress. Physica Status Solidi A, 2002, 194, 304-314.	1.7	4
106	The effect of hydrogen on the thermal expansion and magnetostriction of RFe ₁₁ /Ti intermetallic compounds. IEEE Transactions on Magnetics, 2003, 39, 2881-2883.	2.1	4
107	A magnetic study of TiNiSi-type GdMn _{1-x} Ti _x Ge alloys. Journal of Alloys and Compounds, 2004, 365, 15-20.	5.5	4
108	Magnetic and Magnetostrictive Properties of Tb-Dy-Ho-Fe-Co Alloys. Solid State Phenomena, 2009, 152-153, 7-10.	0.3	4

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109	Magnetoelastic and elastocaloric effects in rare-earth metals, their alloys and compounds in the region of magnetic phase transitions. Moscow University Physics Bulletin (English Translation of) Tj ETQq1 1 0.784014 rgBT /Overlock 10 T	0.784014	4
110	Effect of hydrogenation on magnetic properties of R ₂ Fe ₁₆ M single crystals (R = Ce, Lu, and Y; M = Fe,) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.9	4
111	Changes in magnetic state of Y ₂ (Fe,Mn) ₁₇ -H systems: Regularities and potentialities. Journal of Alloys and Compounds, 2014, 587, 739-746.	5.5	4
112	Effect of co-site dilution on the magnetism of R ₅ Co ₅ (R = Gd, Y) compounds. Materials Research Express, 2018, 5, 036109.	1.6	4
113	Uniform Pressure Effect on Magnetic Phase Transitions and Magnetization of Single Crystals of Tb _x Y _{1-x} Alloys. Physica Status Solidi A, 1991, 124, 327-333.	1.7	3
114	Anomalous elastic and inelastic properties of erbium in c-axis hexagonal direction. Journal of Magnetism and Magnetic Materials, 1994, 132, 359-369.	2.3	3
115	Magnetic properties of Gd _x La _{1-x} CoSi. Physics of the Solid State, 1997, 39, 1128-1131.	0.6	3
116	Magnetic properties, magnetoresistivity and magnetocaloric effect in Gd _x La _{1-x} MnSi alloys. Journal of Rare Earths, 2009, 27, 684-687.	4.8	3
117	Magnetic phase transitions in RMnGe (R=Tb, Dy) compounds induced by high magnetic fields. Journal of Magnetism and Magnetic Materials, 2010, 322, 1741-1743.	2.3	3
118	Magnetocaloric Effect in R ₂ Fe ₁₇ Compounds. Solid State Phenomena, 0, 190, 339-342.	0.3	3
119	Magnetic phase diagrams of the Tm ₂ Fe ₁₇ -H system. Doklady Physical Chemistry, 2016, 469, 102-105.	0.9	3
120	The use of a terbium single crystal for concentrating the magnetic flux in superconducting solenoids. Cryogenics, 1978, 18, 153-154.	1.7	2
121	Magnetic properties and anisotropy of amorphous Tb-Co alloys. IEEE Transactions on Magnetics, 1988, 24, 1987-1989.	2.1	2
122	The effect of hydrogen on the magnetostriction of rare-earth compounds Tb _x Dy _{1-x} Fe ₂ . Low Temperature Physics, 2001, 27, 297-299.	0.6	2
123	Magnetic anisotropy and magnetostriction of Lu ₂ Fe ₁₇ single crystal. Journal of Magnetism and Magnetic Materials, 2002, 241, 60-62.	2.3	2
124	Structure and temperature dependence of the magnetization of the DyFe ₁₁ Ti nanocrystalline compound. Physics of the Solid State, 2002, 44, 1723-1726.	0.6	2
125	Limit field of the AF-F transition in FeRh. Journal of Alloys and Compounds, 2003, 348, 18-22.	5.5	2
126	Magnetic properties and specific heat of the Dy ₃ Ni intermetallic compound. Journal of Physics Condensed Matter, 2003, 15, 5997-6004.	1.8	2

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127	Magnetic and magnetoelastic properties of the TbMnSi and Tb _{0.5} La _{0.5} MnSi compounds. Physics of the Solid State, 2004, 46, 881-884.	0.6	2
128	Magnetic properties of the Tb _{1-x} La _x MnSi intermetallic compounds at high magnetic field. Journal of Alloys and Compounds, 2008, 453, 36-41.	5.5	2
129	The Magnetic Phase Transitions and Magnetocaloric Effect in the Ho(Co _{1-x} Al _x) ₂ and Tb(Co _{1-x} Al _x) ₂ Compounds. Solid State Phenomena, 0, 168-169, 119-121.	0.3	2
130	Hydrogen Absorption and Magnetic Properties of Ho ₂ Fe ₁₄ BH _x Hydrides. Solid State Phenomena, 0, 190, 163-166.	0.3	2
131	Giant magnetocaloric effect in composites based on polymeric matrix and manganese arsenide. EPJ Web of Conferences, 2018, 185, 05010.	0.3	2
132	The tremendous influence of hydrogenation on magnetism of NdMnGe. Intermetallics, 2019, 115, 106619.	3.9	2
133	MAGNETIC PROPERTIES OF SOME Er ₂ Fe ₁₄ BH _x HYDRIDES. , 2007, , 605-612.		2
134	Magnetic Phase Transitions and Magnetic Crystalline Anisotropy in SmFe _{11-x} CoxTi Compounds. , 1997, , 663-667.		1
135	Field dependence of Young's modulus in a gadolinium single crystal. Journal of Experimental and Theoretical Physics, 1998, 87, 1148-1153.	0.9	1
136	Magnetoelastic and inelastic properties of holmium single crystal. Journal of Magnetism and Magnetic Materials, 1998, 188, 161-168.	2.3	1
137	Young's modulus and internal friction of europium. Journal of Alloys and Compounds, 1998, 269, 224-232.	5.5	1
138	Magnetic properties of the compounds R ₂ Sc ₃ Si ₄ (R=Gd, Tb, Dy, Ho, Er). Physics of the Solid State, 1999, 41, 1656-1657.	0.6	1
139	Effect of hydrogenation and nitrogenation on the magnetostriction of LaCo ₁₃ compound. Journal of Alloys and Compounds, 1999, 291, 8-10.	5.5	1
140	Magnetic properties of the Gd ₃ Ni single crystal. European Physical Journal D, 2002, 52, A193-A196.	0.4	1
141	Specific features in magnetic resistivity of RFe ₁₁ Ti single crystals. Physica Status Solidi (B): Basic Research, 2003, 236, 462-465.	1.5	1
142	Magnetostriction and transformation of crystal structure of intermetallic compound NdCo ₂ . Journal of Physics: Conference Series, 2011, 303, 012023.	0.4	1
143	The magnetostriction of the intermetallic compound ErCo ₂ near the magnetic phase transition paramagnetism-ferrimagnetism. Journal of Physics: Conference Series, 2011, 303, 012032.	0.4	1
144	Magnetic and Related Properties of Tb ₄ Sb ₃ Compound. Solid State Phenomena, 0, 170, 60-69.	0.3	1

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145	Magnetocaloric effect and magnetic phase transitions in nanocrystalline rare-earth metals: Tb, Dy, and Gd. Bulletin of the Russian Academy of Sciences: Physics, 2013, 77, 1268-1271.	0.6	1
146	Magnetic Phase Transitions and Magnetocaloric Effect in $R_{2-x}Fe_{17}$ ($R = Y, Tb, Er$). Solid State Phenomena, 2015, 233-234, 204-207.	0.3	1
147	The Influence of Substitutions in 3d-Sublattice on the Exchange Interactions in Compounds Based on NdMnGe. Journal of Low Temperature Physics, 2016, 185, 551-557.	1.4	1
148	Magnetic properties and structure of the nanocrystalline Gd-Ti-Ge intermetallic compound. Physics of the Solid State, 2001, 43, 710-714.	0.6	0
149	On the stability of the $Er_{0.45}Ho_{0.55}Fe_2$ compound in the fine-grained state. Doklady Physics, 2001, 46, 715-717.	0.7	0
150	Study of the Crystal Field and Exchange Interactions in Single Crystal Hydride of $HoFe_{11}TiH$. Materials Science Forum, 2001, 373-376, 673-676.	0.3	0
151	Crystal field in hydrogenated and nitrogenated $SmFe_{11}Ti$ compound. , 0, , .		0
152	Effect of pressure and interstitial atoms on magnetic properties of $LuFe_{11}Ti$ Intermetallics. High Pressure Research, 2003, 23, 161-164.	1.2	0
153	Magnetization processes of the Dy_3Ni single crystal. Physica B: Condensed Matter, 2004, 346-347, 169-173.	2.7	0
154	INFLUENCE OF HYDROGEN ON MAGNETIC AND MAGNETOELASTIC PROPERTIES OF Lu_2Fe_{17} SINGLE CRYSTAL. , 2007, , 653-660.		0
155	Magnetoelastic effects in rare earth metals and alloys near magnetic phase transitions. Bulletin of the Russian Academy of Sciences: Physics, 2007, 71, 1599-1601.	0.6	0
156	Laser-optic studies in hemorheology. , 2018, , .		0
157	Influence of Hydrogenation on Magnetic Anisotropy of R_2Fe_{17} Single Crystals. , 2002, , 273-280.		0
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