Sergey A Nikitin

List of Publications by Year
in descending order

160	2,455	279798	254184
papers	citations	23 h-index	43 g-index

167	167	167	1479
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hydrogen-induced extremely large change in Curie temperatures in layered GdTSiH (Tâ€‰=â€‰Mn, Fe, Co). Journal of Applied Physics, 2020, 128, 143903.	2.5	6
2	Direct measurement of the magnetocaloric effect in MnZnSb intermetalic compound. Journal of Magnetism and Magnetic Materials, 2019, 470, 46-49.	2.3	10
3	The tremendous influence of hydrogenation on magnetism of NdMnGe. Intermetallics, 2019, 115, 106619.	3.9	2
4	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
5	Hydrogen absorption and its effect on magnetic properties of Nd2Fe14B. Journal of Magnetism and Magnetic Materials, 2018, 453, 226-230.	2.3	9
6	Effect of co-site dilution on the magnetism ofRCo₅(R= Gd, Y) compounds. Materials Research Express, 2018, 5, 036109.	1.6	4
7	Magnetization, magnetic anisotropy and magnetocaloric effect of the Tb0.2Gd0.8 single crystal in high magnetic fields up to 14â€‰T in region of a phase transition. Acta Materialia, 2018, 161, 331-337.	7.9	20
8	Giant magnetocaloric effect in composites based on polymeric matrix and manganese arsenide. EPJ Web of Conferences, 2018, 185, 05010.	0.3	2
9	Laser-optic studies in hemorheology. , 2018, , .		0
10	The influence of titanium substitution on the magnetic, magnetocaloric, and magnetoelastic properties of Gd5Si2Ge2. Journal of Applied Physics, 2018, 124, .	2.5	7
11	Magnetocaloric properties of Gd in fields up to 14 T. Journal of Magnetism and Magnetic Materials, 2017, 433, 234-238.	2.3	47
12	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
13	Magnetic phase diagrams of the Tm2Fe17â€“H system. Doklady Physical Chemistry, 2016, 469, 102-105.	0.9	3
14	Rotational Magnetocaloric Effect in the Er₂Fe₁₄B Single Crystal. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	13
15	Magnetic Phase Transitions and Magnetocaloric Effect in R₂Fe₁₇ (R = Y, Tb, Er). Solid State Phenomena, 2015, 233-234, 204-207.	0.3	1
16	Changes in magnetic state of Y2(Fe,Mn)17-H systems: Regularities and potentialities. Journal of Alloys and Compounds, 2014, 587, 739-746.	5.5	4
17	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
18	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

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19	Magnetostructural phase transitions in manganese arsenide single crystals. Physics of the Solid State, 2012, 54, 1988-1995.	0.6	16
20	Effect of hydrogenation on magnetic properties of R2Fe16M single crystals (R = Ce, Lu, and Y; M = Fe,) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.5	4
21	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
22	Structure and magnetic properties of RNi (R=Gd, Tb, Dy, Sm) and R6M1.67Si3 (R=Ce, Gd, Tb; M=Ni, Co) hydrides. Journal of Alloys and Compounds, 2011, 509, S830-S834.	5.5	19
23	Magnetostriction and transformation of crystal structure of intermetallic compound NdCo₂. Journal of Physics: Conference Series, 2011, 303, 012023.	0.4	1
24	Magnetocaloric effect in (Tb,Dy,R)(Co,Fe)₂(R= Ho, Er) multicomponent compounds. Journal of Physics: Conference Series, 2011, 266, 012077.	0.4	14
25	The magnetostriction of the intermetallic compound ErCo2near the magnetic phase transition paramagnetism-ferrimagnetism. Journal of Physics: Conference Series, 2011, 303, 012032.	0.4	1
26	The magnetocaloric effect and low temperature specific heat of SmNi. Solid State Communications, 2011, 151, 1240-1243.	1.9	14
27	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 0.784314 rgBT /Overlock	0.4	4
28	Magnetocaloric effect, magnetic domain structure and spin-reorientation transitions in HoCo5 single crystals. Journal of Magnetism and Magnetic Materials, 2011, 323, 447-450.	2.3	13
29	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
30	Magnetic properties of the intermetallic compounds RNi (R=Gd, Tb, Dy, Sm) and their hydrides. Inorganic Materials, 2010, 46, 364-371.	0.8	11
31	Giant Rotating Magnetocaloric Effect in the Region of Spin-Reorientation Transition in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>NdCo</mml:mi><mml:mn>5</mml:mn></mml:msub></mml:math>Single Crystal. Physical Review Letters, 2010, 105, 137205.	7.8	111
32	Magnetic and Magnetostrictive Properties of Tb-Dy-Ho-Fe-Co Alloys. Solid State Phenomena, 2009, 152-153, 7-10.	0.3	4
33	Magnetic properties, magnetoresistivity and magnetocaloric effect in GdxLa1â^'x-MnSi alloys. Journal of Rare Earths, 2009, 27, 684-687.	4.8	3
34	Magnetostriction and magnetization of the intermetallic compounds RFe2 â^' x Co x (R = Tb, Dy, Er) with compensated magnetic anisotropy. Physics of the Solid State, 2009, 51, 92-98.	0.6	10
35	Effect of hydrogenation on the magnetic properties of the intermetallic compound Er2Fe14B with single-crystal and nanocrystalline structures. Physics of the Solid State, 2008, 50, 56-62.	0.6	5
36	Magnetic properties of the Tb1â^'xLaxMnSi intermetallic compounds at high magnetic field. Journal of Alloys and Compounds, 2008, 453, 36-41.	5.5	2

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37	The effect of hydrogen on the magnetocrystalline anisotropy of R2Fe17 and R(Fe, Ti)12 (R=Dy, Lu) compounds. Journal of Alloys and Compounds, 2008, 451, 477-480.	5.5	27
38	Magnetic ordering and magnetic transitions in GdMnSi compound. Journal of Alloys and Compounds, 2008, 451, 450-453.	5.5	13
39	Magnetic Properties Of Gd2Fe14BhX Hydrides. NATO Science for Peace and Security Series C: Environmental Security, 2008, , 415-422.	0.2	0
40	INFLUENCE OF HYDROGEN ON MAGNETIC AND MAGNETOELASTIC PROPERTIES OF Lu2Fe17 SINGLE CRYSTAL. , 2007, , 653-660.		0
41	Increase in the magnetostrictive susceptibility of Tb0.3Dy0.67Ho0.03Fe2â^'x Co x alloys upon substitution of cobalt for iron. Physics of the Solid State, 2007, 49, 315-319.	0.6	6
42	X-ray and MÃ¶ssbauer studies of the Tb0.3Dy0.7Fe2 â^' x Co x system alloys. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika), 2007, 62, 237-239.	0.4	5
43	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
44	MAGNETIC PROPERTIES OF SOME Er2Fe14BHX HYDRIDES. , 2007, , 605-612.		2
45	INFLUENCE OF HYDROGEN ON MAGNETOCRYSTALLINE ANISOTROPY OF TbFe6Co5Ti SINGLE CRYSTAL. , 2007, , 485-492.		0
46	CHANGE OF CURIE TEMPERATURE AND EFFECTIVE EXCHANGE FIELDS IN FERRIMAGNETIC R2Fe14B COMPOUNDS UPON HYDROGENATION. , 2007, , 599-604.		0
47	Magnetostriction and thermal expansion of Er2Fe14B and its hydride. Journal of Magnetism and Magnetic Materials, 2006, 300, e418-e421.	2.3	5
48	Spin-reorientation transitions in Nd2(Fe,Co)14B compounds and their hydrides. Journal of Magnetism and Magnetic Materials, 2006, 300, e465-e468.	2.3	5
49	Magnetocaloric effect and magnetoresistance in GdxLa1â^'xMnSi compounds. Journal of Magnetism and Magnetic Materials, 2006, 300, e493-e496.	2.3	6
50	Effect of hydrogenation on magnetic ordering temperature in Lu2(Fe,Si)17 compounds. Journal of Magnetism and Magnetic Materials, 2006, 300, e497-e499.	2.3	6
51	A magnetic and crystallographic study of new ternary GdScxTi1â^'xGe compounds. Journal of Magnetism and Magnetic Materials, 2006, 300, e489-e492.	2.3	5
52	Spin-Reorientation Transitions and Domain Structure in TbFe[sub 11 â€“][sub x][sub â€‰]Co[sub x]Ti Single Crystals. Physics of the Solid State, 2005, 47, 517.	0.6	5
53	Effect of Hydrogenation on the Magnetic and Magnetoelastic Properties of the Tb[sub 0.27]Dy[sub 0.73]Fe[sub 2] and Tb[sub 0.27]Dy[sub 0.73]Co[sub 2] Compounds with Compensated Magnetic Anisotropy. Physics of the Solid State, 2005, 47, 1909.	0.6	8
54	Effect of hydrogen insertion on the magnetic properties of Er(Fe,Co)11Ti single crystals. Journal of Alloys and Compounds, 2005, 404-406, 181-184.	5.5	7

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55	Effect of Ga substitution for Ge on magnetic and crystal properties of the GdMnGe1â^'x Gax intermetallics. Intermetallics, 2005, 13, 857-861.	3.9	5
56	Magnetic and magnetoelastic properties of the TbMnSi and Tb0.5La0.5MnSi compounds. Physics of the Solid State, 2004, 46, 881-884.	0.6	2
57	Magnetization processes of the Dy3Ni single crystal. Physica B: Condensed Matter, 2004, 346-347, 169-173.	2.7	0
58	Synthesis and properties of NaZn13-type interstitial compounds. Journal of Alloys and Compounds, 2004, 367, 266-269.	5.5	6
59	A magnetic study of TiNiSi-type GdMn1â^'xTixGe alloys. Journal of Alloys and Compounds, 2004, 365, 15-20.	5.5	4
60	Change of magnetic state in a Ce2Fe16Mn single crystal upon hydrogenation. Journal of Alloys and Compounds, 2004, 365, 80-83.	5.5	9
61	Structure and magnetic properties of Ho2Fe17Hx (x=0;3) single crystals. Journal of Magnetism and Magnetic Materials, 2003, 258-259, 427-429.	2.3	7
62	Magnetization and specific heat of the Ho3Co compound. Journal of Magnetism and Magnetic Materials, 2003, 258-259, 561-563.	2.3	6
63	Specific heat of the Gd3Co and Gd3Ni compounds. Journal of Magnetism and Magnetic Materials, 2003, 258-259, 583-585.	2.3	17
64	Effect of hydrogen on the magnetic characteristicsof Nd2Fe14B single crystal. Physica Status Solidi A, 2003, 196, 317-320.	1.7	16
65	Specific heat of the R3Co (R = heavy rare earth or Y) compounds. Physica Status Solidi A, 2003, 196, 325-328.	1.7	13
66	Specific features in magnetic resistivity of RFe11Ti single crystals. Physica Status Solidi (B): Basic Research, 2003, 236, 462-465.	1.5	1
67	Effect of interstitial atoms on the effective exchange fields in ferrimagnetic rare-earth and 3d transition metal compounds R 2Fe17 and RFe11Ti. Physics of the Solid State, 2003, 45, 1944-1951.	0.6	6
68	The effect of hydrogen on the thermal expansion and magnetostriction of RFe/sub 11/Ti intermetallic compounds. IEEE Transactions on Magnetics, 2003, 39, 2881-2883.	2.1	4
69	Limit field of the AFâ€"F transition in FeRh. Journal of Alloys and Compounds, 2003, 348, 18-22.	5.5	2
70	Magnetocrystalline anisotropy of R2Fe17Hx (x=0, 3) single crystals. Journal of Alloys and Compounds, 2003, 350, 264-270.	5.5	27
71	Effect of pressure and interstitial atoms on magnetic properties of LuFe11Ti Intermetallics. High Pressure Research, 2003, 23, 161-164.	1.2	0
72	Magnetic properties and specific heat of the Dy3Ni intermetallic compound. Journal of Physics Condensed Matter, 2003, 15, 5997-6004.	1.8	2

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73	Magnetization of a Gd3Ni single crystal. Journal of Alloys and Compounds, 2002, 334, 40-44.	5.5	13
74	Transformations of magnetic phase diagram as a result of insertion of hydrogen and nitrogen atoms in the crystalline lattice of R2Fe17 compounds. Journal of Alloys and Compounds, 2002, 336, 36-40.	5.5	26
75	Effect of hydrogen on the magnetic anisotropy and spinâ€“reorientation transition in ErFe11Ti single crystal. Journal of Alloys and Compounds, 2002, 345, 16-19.	5.5	11
76	Magnetic properties of ternary scandium rare earth silicides and germanides. Journal of Alloys and Compounds, 2002, 345, 50-53.	5.5	28
77	The magnetization processes, spin reorientation transitions and magnetic domain structure in DyFe10CoTi single crystal. Journal of Magnetism and Magnetic Materials, 2002, 238, 215-220.	2.3	10
78	Magnetic anisotropy and magnetostriction of Lu2Fe17 single crystal. Journal of Magnetism and Magnetic Materials, 2002, 241, 60-62.	2.3	2
79	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
80	Magnetic properties of the Gd 3 Ni single crystal. European Physical Journal D, 2002, 52, A193-A196.	0.4	1
81	Magnetocaloric heat-pump cycles based on the AFâ€“F transition in Feâ€“Rh alloys. Journal of Magnetism and Magnetic Materials, 2002, 251, 61-73.	2.3	24
82	Comparative analysis of the magnetization processes of the Gd3Ni and Gd3Co single crystals. Journal of Magnetism and Magnetic Materials, 2002, 251, 148-154.	2.3	11
83	Incoherent rotation of the erbium magnetic moments during magnetization processes of the Er3Ni and Er3Co compounds. Journal of Magnetism and Magnetic Materials, 2002, 251, 155-162.	2.3	5
84	Heat pump cycles based on the AFâ€“F transition in Feâ€“Rh alloys induced by tensile stress. International Journal of Refrigeration, 2002, 25, 1034-1042.	3.4	8
85	The influence of interatomic distances on magnetic ordering in RMnSi compounds (R=La, Y, Sm, and) Tj ETQq1 1 0.784314 rgBT /Ove	0.6	8
86	Structure and temperature dependence of the magnetization of the DyFe11Ti nanocrystalline compound. Physics of the Solid State, 2002, 44, 1723-1726.	0.6	2
87	Influence of Hydrogenation on Magnetic Anisotropy of R2Fe17 Single Crystals. , 2002, , 273-280.		0
88	Spin reorientation and crystal field in the single-crystal hydrideHoFe11TiH. Physical Review B, 2001, 63, .	3.2	24
89	Metalâ€“semiconductorâ€“insulator transitions in R3Ni compounds induced by hydrogenation. Journal of Alloys and Compounds, 2001, 314, 22-28.	5.5	8
90	Transformations of magnetic phase diagram as a result of insertion of hydrogen and nitrogen atoms in crystalline lattice of RFe11Ti compounds. Journal of Alloys and Compounds, 2001, 316, 46-50.	5.5	47

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91	Magnetostriction and magnetic anisotropy in TbFe11TiHX (x=0, 1) single crystals. Journal of Alloys and Compounds, 2001, 322, 42-44.	5.5	28
92	Structural and magnetic properties of Lu2Fe17Hx (x=0; 3) single crystals. Journal of Alloys and Compounds, 2001, 329, 31-36.	5.5	37
93	The effect of hydrogen on the magnetostriction of rare-earth compounds TbxDy1â^'xFe2. Low Temperature Physics, 2001, 27, 297-299.	0.6	2
94	Effect of hydrogenation on spin-reorientation phase transitions and magnetic anisotropy constants of RFe11Ti single crystals (R=Lu, Ho, and Er). Physics of the Solid State, 2001, 43, 290-299.	0.6	7
95	Magnetic properties and structure of the nanocrystalline Gd-Ti-Ge intermetallic compound. Physics of the Solid State, 2001, 43, 710-714.	0.6	0
96	Magnetic anisotropy and magnetostriction in a Lu2Fe17 intermetallic single crystal. Physics of the Solid State, 2001, 43, 1720-1727.	0.6	26
97	On the stability of the Er0.45 Ho0.55 Fe2 compound in the fine-grained state. Doklady Physics, 2001, 46, 715-717.	0.7	0
98	Magnetic anisotropy of LuFe11Ti compound and its hydride and nitride. Journal of Magnetism and Magnetic Materials, 2001, 231, 213-218.	2.3	10
99	Study of the Crystal Field and Exchange Interactions in Single Crystal Hydride of HoFe₁₁TiH. Materials Science Forum, 2001, 373-376, 673-676.	0.3	0
100	Magnetic anisotropy and MÃ¶ssbauer effect studies of YFe11Ti and YFe11TiH. Journal of Physics Condensed Matter, 2001, 13, 8161-8170.	1.8	28
101	Magnetic anistropy of YFe11Ti single crystaland its hydride. International Journal of Hydrogen Energy, 1999, 24, 217-219.	7.1	7
102	Magnetostriction in the vicinity of spin-reorientation phase transitions in singlecrystal DyFe11Ti. Physics of the Solid State, 1999, 41, 1508-1510.	0.6	6
103	Magnetic properties of the compounds R2Sc3Si4 (R=Gd, Tb, Dy, Ho, Er). Physics of the Solid State, 1999, 41, 1656-1657.	0.6	1
104	The influence of Ti on the itinerant magnetism of RTX compounds. Journal of Magnetism and Magnetic Materials, 1999, 196-197, 632-633.	2.3	15
105	Magnetocrystalline anisotropy and magnetostriction of H and N modified R2Fe17 compounds (R=Y, Tb,) Tj ETQq1 1 0.784314 rgBT /O	2.3	9
106	Magnetostriction of R2Fe17 (R=Tb,Dy,Ho and Er) and their nitrides and hydrides. Journal of Alloys and Compounds, 1999, 284, 27-30.	5.5	5
107	The magnetocrystalline anisotropy in YTi(Fe,Co)11 single crystals. Journal of Alloys and Compounds, 1999, 283, 45-48.	5.5	11
108	Effect of hydrogenation and nitrogenation on the magnetostriction of LaCo13compound. Journal of Alloys and Compounds, 1999, 291, 8-10.	5.5	1

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109	The synthesis and magnetic properties of LaCo13 hydrides and nitrides. Journal of Alloys and Compounds, 1999, 293-295, 247-250.	5.5	5
110	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
111	Magnetic anisotropy of YFe11Ti and its hydride. Physics of the Solid State, 1998, 40, 258-262.	0.6	14
112	Field dependence of Youngâ€™s modulus in a gadolinium single crystal. Journal of Experimental and Theoretical Physics, 1998, 87, 1148-1153.	0.9	1
113	Magnetic properties of RTiGe compounds. Journal of Magnetism and Magnetic Materials, 1998, 182, 375-380.	2.3	37
114	Magnetoelastic and inelastic properties of holmium single crystal. Journal of Magnetism and Magnetic Materials, 1998, 188, 161-168.	2.3	1
115	Young's modulus and internal friction of europium. Journal of Alloys and Compounds, 1998, 269, 224-232.	5.5	1
116	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
117	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
118	Magneto-phonon contribution into the Young's modulus of gadolinium. European Physical Journal B, 1998, 4, 441-445.	1.5	8
119	Magnetic properties of amorphous rare-earth â€“ 3d-transition-metal alloys. Physics-Uspekhi, 1997, 40, 581-597.	2.2	19
120	Magnetic properties of terbium with submicrocrystalline structure. Scripta Materialia, 1997, 8, 953-959.	0.5	5
121	Magnetic anisotropy and magnetoelastic properties of SmFe11Ti. Journal of Alloys and Compounds, 1997, 259, 265-269.	5.5	23
122	Effect of interstitial hydrogen and nitrogen on the magnetocrystalline anisotropy of Y2Fe17. Journal of Alloys and Compounds, 1997, 260, 5-6.	5.5	6
123	Effect of interstitial hydrogen and nitrogen on the magnetocrystalline anisotropy of R2Fe17 (R=Tb,Dy,Ho,Er). Journal of Alloys and Compounds, 1997, 261, 15-18.	5.5	10
124	Magnetic Phase Transitions and Magnetic Crystalline Anisotropy in SmFe11-xCoxTi Compounds. , 1997, , 663-667.		1
125	Magnetic and crystalline properties of GdxLa1â^'x FeSi compounds. Physics of the Solid State, 1997, 39, 284-287.	0.6	5
126	Magnetic properties of GdxLa1â^'x CoSi. Physics of the Solid State, 1997, 39, 1128-1131.	0.6	3

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127	Magnetic Properties of GdMn_xFe_{1-x}Si intermetallic Compounds. Acta Physica Polonica A, 1997, 91, 463-466.	0.5	9
128	Anomalously high entropy change in FeRh alloy. Journal of Applied Physics, 1996, 79, 1689-1695.	2.5	284
129	The change in the effective magnetic moment in gadolinium after severe plastic deformation. Journal of Magnetism and Magnetic Materials, 1996, 153, 241-245.	2.3	24
130	Itinerant magnetism of Gd La1â^'MSi(M = Fe, Co) compounds. Journal of Magnetism and Magnetic Materials, 1996, 157-158, 387-388.	2.3	7
131	Magnetization of nanocrystalline dysprosium: Annealing effects. Journal of Applied Physics, 1996, 79, 8584-8587.	2.5	14
132	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
133	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
134	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
135	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
136	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
137	Magnetoelastic properties of gadolinium. Journal of Applied Physics, 1992, 72, 4247-4249.	2.5	6
138	Giant elastocaloric effect in FeRh alloy. Physics Letters, Section A: General, Atomic and Solid State Physics, 1992, 171, 234-236.	2.1	123
139	Alloys of the Feî—¸Rh system as a new class of working material for magnetic refrigerators. Cryogenics, 1992, 32, 867-872.	1.7	181
140	A pressure-induced magnetic phase transition in Y2Fe17 intermetallic compound. Physics Letters, Section A: General, Atomic and Solid State Physics, 1991, 153, 155-161.	2.1	39
141	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
142	Magnetic part of specific heat in high-purity Dy single crystal. Journal of Magnetism and Magnetic Materials, 1991, 96, 26-28.	2.3	6
143	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
144	Magnetocaloric effect and pressure influence on dysprosium single crystal magnetization in the range of magnetic phase transition. Journal of Magnetism and Magnetic Materials, 1991, 92, 405-416.	2.3	26

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145	Magnetocaloric effect in HoCo2 compound. Cryogenics, 1991, 31, 166-167.	1.7	49
146	Uniform Pressure Effect on Magnetic Phase Transitions and Magnetization of Single Crystals of TbxY1â^'x Alloys. Physica Status Solidi A, 1991, 124, 327-333.	1.7	3
147	The magnetocaloric effect in Fe49Rh51 compound. Physics Letters, Section A: General, Atomic and Solid State Physics, 1990, 148, 363-366.	2.1	221
148	Magnetic properties and anisotropy of amorphous Tb-Co alloys. IEEE Transactions on Magnetics, 1988, 24, 1987-1989.	2.1	2
149	Magnetic Properties of Single Crystals of Highly Diluted Dysprosium-Yttrium Alloys. Physica Status Solidi A, 1986, 96, 265-269.	1.7	4
150	Giant magnetostriction. Uspekhi Fizicheskikh Nauk, 1983, 26, 518-542.	0.3	39
151	The use of a terbium single crystal for concentrating the magnetic flux in superconducting solenoids. Cryogenics, 1978, 18, 153-154.	1.7	2
152	Zur Theorie der Tieftemperaturâ€Anomalien in den Ferritâ€Granaten seltener Erden. Physica Status Solidi (B): Basic Research, 1965, 12, 453-464.	1.5	19
153	Crystal field in hydrogenated and nitrogenated SmFe/sub 11/Ti compound. , 0, , .		0
154	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
155	Magnetocaloric Effect of RCo₅ Single Crystals in the Region of Spin-Reorientation Transitions. Solid State Phenomena, 0, 168-169, 134-137.	0.3	7
156	Magnetic and Related Properties of Tb₄Sb₃ Compound. Solid State Phenomena, 0, 170, 60-69.	0.3	1
157	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
158	Hydrogen Absorption and Magnetic Properties of HO₂Fe₁₄BH_x Hydrides. Solid State Phenomena, 0, 190, 163-166.	0.3	2
159	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
160	Magnetocaloric Effect in RĐ¡o₂ Compounds. Solid State Phenomena, 0, 190, 339-342.	0.3	3