Evgeny G Gerasimov

List of Publications by Year
in descending order

105	754	567281 15	752698 20
papers	citations	h-index	g-index

105	105	105	521
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetocaloric effect, heat capacity and exchange interactions in nonstoichiometric Er0.65Gd0.35Co2Mn compounds. Intermetallics, 2022, 140, 107386.	3.9	9
2	Resonant photoemission of intermetallic compounds RMn2Si2 (R = Sm, Tb). AIP Conference Proceedings, 2022, , .	0.4	0
3	Investigation of Electronic States and Magnetic Domain Structure of La1 â€“ xSmxMn2Si2 (x = 0, 0.25) Layered Intermetallic Compounds by Resonant Photoemission Spectroscopy and Magnetic Force Microscopy. Physics of Metals and Metallography, 2022, 123, 451-458.	1.0	1
4	Magnetostriction and thermal expansion of nonstoichiometric TbCo2Mn compounds. Journal of Magnetism and Magnetic Materials, 2021, 523, 167628.	2.3	11
5	Magnetic Neutron Diffraction of Quasi-Two-Dimensional Magnets. Crystallography Reports, 2021, 66, 267-280.	0.6	2
6	Martensitic Transformation, Magnetotransport Properties, and Magnetocaloric Effect in Ni47Ââ€“ÂxMn42Â+ÂxIn11 Alloys (0 â‰¤ x â‰¤ 2). Physics of the Solid State, 2021, 63, 550-555.	0.6	2
7	Easy-plane magnetic anisotropy in layered GdMn2Si2 compound with easy-axis magnetocrystalline anisotropy. Journal of Alloys and Compounds, 2020, 818, 152902.	5.5	1
8	Ab initio study of the magnetic properties of possible phases in binary Fe-Pd alloys. Journal of Magnetism and Magnetic Materials, 2020, 499, 166266.	2.3	12
9	Influence of the two-stage plastic deformation on the complex of the magnetoacoustic characteristics of low-carbon steel and diagnostics of its structural state. NDT and E International, 2020, 116, 102330.	3.7	8
10	Origin of magnetic phase transition in RMn2Si2 (RÂ=Ârare-earth ion or Y) intermetallics. Computational Materials Science, 2020, 184, 109901.	3.0	5
11	Martensitic Transformation and Magnetic Transport Properties in Ni50Mn37Sn13 Alloy. Physics of Metals and Metallography, 2020, 121, 894-898.	1.0	3
12	Compositional genesis of ferromagnetism in alloys PrNi2â^'Co. Journal of Magnetism and Magnetic Materials, 2019, 490, 165489.	2.3	0
13	Spontaneous and induced magnetic phase transitions in Tb0.9Er0.1Ni5. Journal of Magnetism and Magnetic Materials, 2019, 475, 593-601.	2.3	0
14	Magnetic properties of melt-spun ribbons (Sm1â€“Zr)(Fe0.92Ti0.08)10 with ThMn12 structure and their hydrides. Journal of Rare Earths, 2019, 37, 1066-1071.	4.8	13
15	Martensite Transformation, Magnetotransport Properties, and Magnetocaloric Effect in Ni47Mn42In11 Alloy. Physics of the Solid State, 2019, 61, 654-658.	0.6	5
16	Magnetic properties of the non-stoichiometric TbCo2Mn x and TbCo2Ni x alloys. Journal of Physics: Conference Series, 2019, 1389, 012092.	0.4	1
17	Martensitic transformation and magnetotransport properties of Ni47Mn42In11 alloy. Journal of Physics: Conference Series, 2019, 1389, 012093.	0.4	0
18	Incommensurate-commensurate magnetic phase transitions in Tb1-x Er x Ni5 compounds. Journal of Physics: Conference Series, 2019, 1389, 012127.	0.4	0

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19	Structure and Magnetic Properties of Heat-Resistant Sm(Co0.796â^'xFe0.177CuxZr0.027)6.63 Permanent Magnets with High Coercivity. Jom, 2019, 71, 559-566.	1.9	8
20	Effect of Tb for Gd substitution on magnetic and magnetocaloric properties of melt-spun (Gd1-xTbx)3Co alloys. Intermetallics, 2019, 104, 1-7.	3.9	7
21	Magnetic Properties of Nonstoichiometric 4fâ€“3d Intermetallics. Physics of Metals and Metallography, 2019, 120, 1347-1353.	1.0	7
22	Magnetic ordering in intermetallicLa1-xTbxMn2Si2compounds. Journal of Magnetism and Magnetic Materials, 2018, 454, 144-149.	2.3	4
23	Magnetic structure of La1-Tb Mn2Si2 compounds. Journal of Alloys and Compounds, 2018, 731, 397-402.	5.5	9
24	Magnetic Phase Transitions in Compounds with a Layered Crystal Structure. Physics of Metals and Metallography, 2018, 119, 1309-1312.	1.0	1
25	Structure and Properties of Sm â€“ Co â€“ Fe â€“ Cu â€“ Zr Magnets for High-Temperature Applications. Metal Science and Heat Treatment, 2018, 60, 498-503.	0.6	7
26	Structure, Magnetic and Magnetocaloric Properties of Nonstoichiometric TbCo2Mnx Compounds. Physics of Metals and Metallography, 2018, 119, 1036-1042.	1.0	12
27	Magnetic structures and magnetic phase transitions in RMn2Si2. AIP Advances, 2018, 8, 101411.	1.3	2
28	Electrical resistivity, magnetism and electronic structure of the intermetallic 3d/4f Laves phase compounds ErNi2Mnx. AIP Advances, 2018, 8, 105225.	1.3	3
29	Effects of spin polarization on resonant photoemission from d-f states in TbNi2Mnx compounds. EPJ Web of Conferences, 2018, 185, 04008.	0.3	2
30	Magnetic properties of the non-stoichiometric TbCo2Nix alloys. EPJ Web of Conferences, 2018, 185, 04021.	0.3	0
31	Exchange-induced spin reorientation in La1-Gd Mn2Si2. Journal of Alloys and Compounds, 2018, 769, 1096-1101.	5.5	1
32	Magnetic Structures and Magnetic Phase Transitions in Rare-Earth RMn2Si2 Intermetallic Compounds (R = Sm, Tb). Physics of the Solid State, 2018, 60, 1082-1089.	0.6	2
33	Electronic magnetic structure of intermetallic compounds RNi2Mn studied by XMCD. Journal of Magnetism and Magnetic Materials, 2017, 440, 50-53.	2.3	4
34	Magnetic phase transitions and magnetocaloric effect in layered intermetallic La0.75Sm0.25Mn2Si2 compound. Journal of Magnetism and Magnetic Materials, 2017, 440, 89-92.	2.3	7
35	Effect of hydrogen intercalation on the critical parameters of YBa2Cu3O y. Physics of Metals and Metallography, 2017, 118, 954-964.	1.0	11
36	Phase transitions and thermal expansion in Ni51â€“x Mn36 + x Sn13 alloys. Physics of the Solid State, 2017, 59, 2002-2007.	0.6	4

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37	Influence of water vapor on the formation of pinning centers in YBa2Cu3O y upon low-temperature annealing. Physics of Metals and Metallography, 2017, 118, 738-748.	1.0	4
38	Structure, magnetic and magnetocaloric properties of nonstoichiometric TbCo2Nix compounds. Physics of Metals and Metallography, 2017, 118, 1059-1065.	1.0	8
39	Electronic structure of RMn2Si2 (RÂ=ÂY, La) intermetallics: DFT and XPS studies. Journal of Alloys and Compounds, 2017, 695, 1663-1671.	5.5	9
40	Competing exchange interactions and magnetic anisotropy of La1â^'Tb Mn2Si2. Journal of Magnetism and Magnetic Materials, 2017, 422, 237-242.	2.3	9
41	Effect of thermal cycling on structure and properties of Niâ€“Mnâ€“In-based alloys. Technical Physics, 2016, 61, 1894-1897.	0.7	3
42	Structure, magnetic and magnetothermal properties of the non-stoichiometric ErCo2Mn alloys. Journal of Alloys and Compounds, 2016, 680, 359-365.	5.5	23
43	Structural state and magnetic properties of multilayer-graphene/Fe composites. Physics of Metals and Metallography, 2016, 117, 143-150.	1.0	5
44	Effect of water intercalation on the structure and electrophysical properties of YBa2Cu3O6.9. Physics of Metals and Metallography, 2016, 117, 870-875.	1.0	1
45	Magnetic field induced ferromagnetism in pseudobinary PrAl2â^'xNix alloys. Journal of Magnetism and Magnetic Materials, 2016, 404, 133-142.	2.3	5
46	Magnetostriction of La0.75Sm0.25Mn2Si2 compound. Journal of Alloys and Compounds, 2016, 676, 74-79.	5.5	10
47	Magnetic order, phase transitions and electrical resistivity of Ho7Rh3 single crystals. Journal of Alloys and Compounds, 2016, 654, 126-132.	5.5	5
48	Kinetics of hydrogen desorption from MgH2 and AlH3 hydrides. Physics of Metals and Metallography, 2015, 116, 1197-1202.	1.0	5
49	Magnetocrystalline anisotropy of Er2(Fe1 â^' x V x)17 compounds. Physics of Metals and Metallography, 2015, 116, 768-773.	1.0	1
50	Giant magnetoresistance and field-induced magnetic phase transitions in Gd7Rh3 studied on single crystals. Journal of Alloys and Compounds, 2015, 628, 230-235.	5.5	5
51	Structural and magnetic transformations in Ni51 â^' x Mn36 + x Sn13 alloys. Physics of the Solid State, 2015, 57, 381-385.	0.6	5
52	Effect of rapid quenching on the magnetic state, electrical resistivity and thermomagnetic properties of Gd3Co. Journal of Alloys and Compounds, 2015, 647, 481-485.	5.5	5
53	Magnetic phase transitions in Y 1â^'x Tb x Mn 6 Sn 6 , La 1â^'x Sm x Mn 2 Si 2 , Lu 2 (Fe 1â^'Ñ... Mn x) 17 , and La(Fe) Tj ETQq1 1 0.78 383, 196-202.	2.3	2
54	Improvement of critical parameters of YBa2Cu3O6.9 by low temperature treatment in the presence of water vapors. Cryogenics, 2015, 72, 36-43.	1.7	18

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55	Magnetic phase transitions in the Ce(Fe1 â˜' x Si x)2 compounds. Physics of Metals and Metallography, 2014, 115, 1208-1215.	1.0	7
56	Impact of amorphization on the magnetic state and magnetocaloric properties of Gd3Ni. Applied Physics A: Materials Science and Processing, 2014, 116, 1403-1407.	2.3	5
57	Martensitic transformations and magnetic properties of nonstoichiometric alloys of the Ni-Mn-In system. Physics of the Solid State, 2014, 56, 1634-1638.	0.6	17
58	Effect of structural water on the critical characteristics of highly textured YBa2Cu3O6.9. Physics of the Solid State, 2014, 56, 1742-1747.	0.6	3
59	Concentrational commensurate-incommensurate magnetic phase transition in Y1 â˜' x Tb x Mn6Sn6. Physics of Metals and Metallography, 2013, 114, 566-572.	1.0	5
60	Resonant photoemission in DyNi2Mn x rare-earth intermetallides. Bulletin of the Russian Academy of Sciences: Physics, 2013, 77, 226-229.	0.6	4
61	Giant magnetoresistance and field-induced phase transitions in Tb7Rh3 single crystal. Journal of the Korean Physical Society, 2013, 63, 563-566.	0.7	5
62	Magnetic lock-in phase transition in Tb0.95Er0.05Ni5 driven by low magnetic fields. Journal of Magnetism and Magnetic Materials, 2013, 341, 129-132.	2.3	0
63	Magnetic-field-induced martensitic transformations in Ni47 â˜' x Mn42 + x In11 alloys (with 0 â‰¤ x â‰¤ 2). Physics of Metals and Metallography, 2013, 114, 838-844.	1.0	21
64	Crystal structure and magnetic properties of pseudobinary solid solutions Pr(In1 â˜' x Pb x)3. Physics of Metals and Metallography, 2013, 114, 721-726.	1.0	0
65	Magnetic and magnetocaloric properties of (MnCo)1 â˜' x Ge compounds. Physics of Metals and Metallography, 2013, 114, 893-903.	1.0	10
66	Magnetic properties of the off-stoichiometric GdNi2Mnx alloys. Journal of Alloys and Compounds, 2013, 571, 132-137.	5.5	21
67	Effect of additions of zinc stearate on the properties of sintered Nd-Fe-B magnets. Physics of Metals and Metallography, 2013, 114, 285-294.	1.0	8
68	Magnetic Phase Transitions in La_{1-x}R_xMn₂Si₂ (R=Gd, Tb, Dy) Compounds. Solid State Phenomena, 2012, 190, 171-174.	0.3	1
69	Magnetic phase transitions in layered intermetallic compounds. Journal of Magnetism and Magnetic Materials, 2012, 324, 3410-3412.	2.3	7
70	Effect of low-temperature annealing on the critical parameters of highly textured YBa2Cu3O y. Physics of the Solid State, 2012, 54, 1741-1746.	0.6	19
71	Electrical, magnetic properties and electronic structure of non-stoichiometric DyNi₂Mn_xcompounds. Journal of Physics: Conference Series, 2012, 400, 032050.	0.4	4
72	Effect of double annealing on the critical parameters of highly textured YBa2Cu3O6.9. Journal of Experimental and Theoretical Physics, 2012, 115, 474-479.	0.9	17

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73	Universal survival of short-range magnetic correlations and frustrated interactions in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0012.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi mathvariant="normal">R</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub><mml:mi mathvariant="normal">T</mml:mi></mml:math> intermetallics. Journal of Magnetism and Magnetic Materials, 2012, 324, 1907-1912.	2.3	19
74	Commensurate-incommensurate magnetic phase transition induced in TbNi5 by an external magnetic field. Physics of Metals and Metallography, 2012, 113, 228-232.	1.0	0
75	Preparation of sintered Nd-Fe-B magnets by pressless process. Physics of Metals and Metallography, 2012, 113, 331-340.	1.0	13
76	Heat capacity of the Ni₅₀Mn₃₇(In_{0.2}Sn_{0.8})₁₃alloy. Journal of Physics: Conference Series, 2011, 266, 012004.	0.4	6
77	Magnetism of compounds with a layered crystal structure. Physics of Metals and Metallography, 2011, 112, 711-744.	1.0	19
78	Preparation of high-power permanent magnets from platelike Nd-Fe-B alloys. Physics of Metals and Metallography, 2010, 109, 238-246.	1.0	9
79	Magnetic properties and structure of nonstoichiometric rare-earth transition-metal intermetallic compounds TbNi2Mn x (0 â‰¤ x â‰¤ 1.5). Physics of Metals and Metallography, 2010, 110, 210-217.	1.0	18
80	Magnetic properties of the TbNi2Mnx(0 â‰¤xâ‰¤ 1) cubic structure compounds. Journal of Physics: Conference Series, 2010, 200, 032049.	0.4	3
81	Magnetoresistance of Ni₅₀Mn₃₇(Sn_{1-X}In_x)₁₃ Alloys. Solid State Phenomena, 2010, 168-169, 204-207.	0.3	2
82	Magnetic phase transitions in La1-xDyxMn2Si2(0 â‰¤xâ‰¤ 1) compounds. Journal of Physics: Conference Series, 2010, 200, 032018.	0.4	1
83	Metamagnetic transitions in electron-doped single crystals of manganites Ca_{1 â^’x}(Ln)_xMnO₃, (Ln = La, Ce;xâ‰¤ 0.12). Journal of Physics Condensed Matter, 2010, 22, 356003.	1.8	4
84	TbxEr1â^’xNi5compounds: An ideal model system for competing Ising-XYanisotropy energies. Physical Review B, 2009, 79, .	3.2	21
85	Spontaneous and Field-Induced Magnetic Phase Transitions in Tb_{1-x}R_xMn₆Sn₆ (R = Gd, Y) Compounds. Solid State Phenomena, 2009, 152-153, 37-40.	0.3	1
86	Effect of gallium on the crystal structure and magnetic properties of PrFe11 â^’ x Ga x C y compounds. Physics of Metals and Metallography, 2009, 108, 441-448.	1.0	1
87	Positive magnetoresistance and large magnetostriction at first-order antiferroâ€“ferromagnetic phase transitions in RMn₂Si₂compounds. Journal of Physics Condensed Matter, 2008, 20, 445219.	1.8	8
88	Magnetic anisotropy of La_{0.75}Sm_{0.25}Mn₂Si₂compound. Journal of Physics Condensed Matter, 2007, 19, 486202.	1.8	6
89	Enhanced magnetic entropy inGdNi2. Physical Review B, 2007, 75, .	3.2	10
90	Interrelation between electronic structure and interatomic distances for compounds. Physica B: Condensed Matter, 2007, 390, 118-123.	2.7	18

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91	Heat capacity of La1-xYxMn2Si2 compounds. Journal of Magnetism and Magnetic Materials, 2007, 310, e563-e565.	2.3	1
92	Features of properties of microinhomogeneous PdMn x Fe1â˜' x alloys. Bulletin of the Russian Academy of Sciences: Physics, 2007, 71, 1066-1068.	0.6	1
93	Low-temperature heat capacity of microscopically inhomogeneous PdMn x Fe1 â˜' x alloys. Physics of the Solid State, 2006, 48, 291-296.	0.6	1
94	Magnetic structure and properties of LaFe13â€"xGaxC compounds (x=2.9, 6.5). Journal of Magnetism and Magnetic Materials, 2006, 302, 165-172.	2.3	2
95	Hydrostatic pressure effect on electrical and magnetic properties of electron-doped R0.16Ca0.84MnO3 (R=Pr, Gd, Eu). Physica B: Condensed Matter, 2005, 365, 114-120.	2.7	11
96	Magnetic phase transitions in TbNi5 single crystal: Bulk properties and neutron diffraction studies. JETP Letters, 2005, 82, 34-38.	1.4	12
97	Pressure effect on magnetic phase transitions inLa0.75Sm0.25Mn2Si2. Physical Review B, 2005, 72, .	3.2	34
98	Magnetic structure of La0.75Sm0.25Mn2Si2. Physica B: Condensed Matter, 2004, 350, E175-E178.	2.7	1
99	Magnetic properties of Tb1â˜'xYxMn6Sn6 compounds. Journal of Alloys and Compounds, 2004, 363, 40-45.	5.5	12
100	Local magnetic moments at X-ray spectra of 3d metals. Journal of Magnetism and Magnetic Materials, 2003, 256, 396-403.	2.3	14
101	New magnetic structure study of TbNi 5 : Evidence of incommensurate structure. Europhysics Letters, 2003, 62, 350-356.	2.0	15
102	Magnetic phase transitions and giant magnetoresistance in La1â˜'Sm Mn2Si2 (0â‰¤xâ‰¤1). Journal of Alloys and Compounds, 2002, 343, 14-25.	5.5	20
103	Magnetic anisotropy and ferro-antiferromagnetic phase transition in LaMn2Si2. Physica B: Condensed Matter, 2002, 322, 297-305.	2.7	21
104	Heterogeneous magnetic state of quasi-binary rare earth intermetallic compounds with CaCu5- and MgCu2-type structures. Journal of Magnetism and Magnetic Materials, 1995, 140-144, 859-860.	2.3	4
105	Magnetic Properties of Non-Stoichiometric <i>R</i>Ni₂Mn_x (<i>R</i> = Tb, Dy) Compounds. Solid State Phenomena, 0, 168-169, 200-203.	0.3	5