

Pavel B Terentev

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Magnetocaloric effect, heat capacity and exchange interactions in nonstoichiometric Er _{0.65} Gd _{0.35} Co ₂ Mn compounds. <i>Intermetallics</i> , 2022, 140, 107386.	3.9	9
2	Synthesis and characterisation of the crystal structure and magnetic ordering of double perovskite La ₃ Co ₂ MoO ₉ . <i>Materials Chemistry and Physics</i> , 2022, 278, 125604.	4.0	1
3	Magnetic properties and electronic structure of CeFe ₂ ~Mn and CeFe ₂ Mn compounds. <i>Journal of Alloys and Compounds</i> , 2021, 854, 156982.	5.5	2
4	Magnetostriction and thermal expansion of nonstoichiometric TbCo ₂ Mn compounds. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 523, 167628.	2.3	11
5	Investigation of Magnetic Hysteresis Properties of (Sm _{0.8} Zr _{0.2})(Fe _{0.72} Co _{0.24} Ti _{0.04}) ₁₀ ~12 Melt-Spun Ribbons. <i>Metal Science and Heat Treatment</i> , 2021, 62, 566-571.	0.6	2
6	Easy-plane magnetic anisotropy in layered GdMn ₂ Si ₂ compound with easy-axis magnetocrystalline anisotropy. <i>Journal of Alloys and Compounds</i> , 2020, 818, 152902.	5.5	1
7	Influence of the two-stage plastic deformation on the complex of the magnetoacoustic characteristics of low-carbon steel and diagnostics of its structural state. <i>NDT and E International</i> , 2020, 116, 102330.	3.7	8
8	Martensitic Transformation and Magnetic Transport Properties in Ni ₅₀ Mn ₃₇ Sn ₁₃ Alloy. <i>Physics of Metals and Metallography</i> , 2020, 121, 894-898.	1.0	3
9	Kinetic Properties and Half-Metallic Magnetism in Mn ₂ YAl Heusler Alloys. <i>Journal of Experimental and Theoretical Physics</i> , 2019, 128, 919-925.	0.9	25
10	Experimental observation of anomalies in the electrical, magnetic, and galvanomagnetic properties of cobalt-based Heusler alloys with varying transition elements. <i>Low Temperature Physics</i> , 2019, 45, 789-794.	0.6	11
11	Compositional genesis of ferromagnetism in alloys PrNi ₂ ~Co. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 490, 165489.	2.3	0
12	Magnetic properties of melt-spun ribbons (Sm ₁ ~Zr)(Fe _{0.92} Ti _{0.08}) ₁₀ with ThMn ₁₂ structure and their hydrides. <i>Journal of Rare Earths</i> , 2019, 37, 1066-1071.	4.8	13
13	Martensite Transformation, Magnetotransport Properties, and Magnetocaloric Effect in Ni ₄₇ Mn ₄₂ In ₁₁ Alloy. <i>Physics of the Solid State</i> , 2019, 61, 654-658.	0.6	5
14	Magnetic Properties and Structure of Products from 1.4540 Stainless Steel Manufactured by 3D Printing. <i>Physics of Metals and Metallography</i> , 2019, 120, 1270-1275.	1.0	5
15	Strong changes in electronic transport and magnetic properties of Co ₂ YSi Heusler alloys at Y-component variation. <i>Journal of Physics: Conference Series</i> , 2019, 1389, 012110.	0.4	2
16	Electrical, magnetic and galvanomagnetic properties of Mn-based Heusler alloys. <i>Journal of Physics: Conference Series</i> , 2019, 1389, 012150.	0.4	2
17	Magnetic Properties of Nonstoichiometric and Quasi-Binary CeFe ₂ -Based Compounds Doped with Mn. <i>Physics of Metals and Metallography</i> , 2019, 120, 1373-1377.	1.0	2
18	Magnetic properties of the non-stoichiometric TbCo ₂ Mn _x and TbCo ₂ Ni _x alloys. <i>Journal of Physics: Conference Series</i> , 2019, 1389, 012092.	0.4	1

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19	Martensitic transformation and magnetotransport properties of Ni ₄₇ Mn ₄₂ In ₁₁ alloy. <i>Journal of Physics: Conference Series</i> , 2019, 1389, 012093.	0.4	0
20	Effect of Tb for Gd substitution on magnetic and magnetocaloric properties of melt-spun (Gd _{1-x} Tb _x) ₃ Co alloys. <i>Intermetallics</i> , 2019, 104, 1-7.	3.9	7
21	Magnetic Properties of Nonstoichiometric 4f-3d Intermetallics. <i>Physics of Metals and Metallography</i> , 2019, 120, 1347-1353.	1.0	7
22	Magnetic structure of La ₁ -Tb Mn ₂ Si ₂ compounds. <i>Journal of Alloys and Compounds</i> , 2018, 731, 397-402.	5.5	9
23	Structure and Properties of Sm-Co-Fe-Cu-Zr Magnets for High-Temperature Applications. <i>Metal Science and Heat Treatment</i> , 2018, 60, 498-503.	0.6	7
24	Structure, Magnetic and Magnetocaloric Properties of Nonstoichiometric TbCo ₂ Mn _x Compounds. <i>Physics of Metals and Metallography</i> , 2018, 119, 1036-1042.	1.0	12
25	Effect of Hydrogen Intercalation on the Structure of YBa ₂ Cu ₃ O _y with a Low Oxygen Content. <i>Physics of Metals and Metallography</i> , 2018, 119, 887-892.	1.0	2
26	Magnetic structures and magnetic phase transitions in RMn ₂ Si ₂ . <i>AIP Advances</i> , 2018, 8, 101411.	1.3	2
27	Hydrogen in a Nonstoichiometric YBa ₂ Cu ₃ O _{6.96} Compound: Study by Raman Spectroscopy. <i>Physics of Metals and Metallography</i> , 2018, 119, 643-649.	1.0	1
28	Magnetic properties of the non-stoichiometric TbCo ₂ Ni _x alloys. <i>EPJ Web of Conferences</i> , 2018, 185, 04021.	0.3	0
29	Exchange-induced spin reorientation in La ₁ -Gd Mn ₂ Si ₂ . <i>Journal of Alloys and Compounds</i> , 2018, 769, 1096-1101.	5.5	1
30	Analysis of the Deformation Process in Ni ₃ (Al, Fe) Intermetallic under Longitudinal Bending. <i>Physics of Metals and Metallography</i> , 2018, 119, 26-34.	1.0	1
31	Magnetic Structures and Magnetic Phase Transitions in Rare-Earth RMn ₂ Si ₂ Intermetallic Compounds (R = Sm, Tb). <i>Physics of the Solid State</i> , 2018, 60, 1082-1089.	0.6	2
32	Investigation of the intermetallic $\hat{\Gamma}^2$ (B ₂)-phase in the Co-Al-Si system. <i>Physics of Metals and Metallography</i> , 2017, 118, 249-255.	1.0	0
33	Hydrogen dynamics in the hexagonal Ho ₂ Fe ₁₇ H ₄ and Y ₂ Fe ₁₇ H _{4.2} : Inelastic and quasielastic neutron scattering studies. <i>Journal of Alloys and Compounds</i> , 2017, 720, 277-283.	5.5	2
34	Magnetic phase transitions and magnetocaloric effect in layered intermetallic La _{0.75} Sm _{0.25} Mn ₂ Si ₂ compound. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 440, 89-92.	2.3	7
35	Effect of hydrogen intercalation on the critical parameters of YBa ₂ Cu ₃ O _y . <i>Physics of Metals and Metallography</i> , 2017, 118, 954-964.	1.0	11
36	Structure, magnetic and magnetocaloric properties of nonstoichiometric TbCo ₂ Ni _x compounds. <i>Physics of Metals and Metallography</i> , 2017, 118, 1059-1065.	1.0	8

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37	Mechanical and magnetic properties of alloys near the concentration range of the existence of Co ₃ (Al,W) intermetallic compound. <i>Physics of Metals and Metallography</i> , 2017, 118, 432-438.	1.0	1
38	Competing exchange interactions and magnetic anisotropy of La _{1-x} Tb _x Mn ₂ Si ₂ . <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 422, 237-242.	2.3	9
39	Structure, magnetic and magnetothermal properties of the non-stoichiometric ErCo ₂ Mn alloys. <i>Journal of Alloys and Compounds</i> , 2016, 680, 359-365.	5.5	23
40	Structural state and magnetic properties of multilayer-graphene/Fe composites. <i>Physics of Metals and Metallography</i> , 2016, 117, 143-150.	1.0	5
41	Structure and magnetic properties of a Ni ₃ (Al, Fe, Cr) single crystal subjected to high-temperature deformation. <i>Physics of Metals and Metallography</i> , 2016, 117, 451-459.	1.0	1
42	Magnetic properties of the Tm ₂ Fe _{17-x} Mn _x single-crystals. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 410, 1-4.	2.3	0
43	Magnetic order, phase transitions and electrical resistivity of Ho ₇ Rh ₃ single crystals. <i>Journal of Alloys and Compounds</i> , 2016, 654, 126-132.	5.5	5
44	Kinetics of hydrogen desorption from MgH ₂ and AlH ₃ hydrides. <i>Physics of Metals and Metallography</i> , 2015, 116, 1197-1202.	1.0	5
45	Magnetocrystalline anisotropy of Er ₂ (Fe _{1-x} V _x) ₁₇ compounds. <i>Physics of Metals and Metallography</i> , 2015, 116, 768-773.	1.0	1
46	Giant magnetoresistance and field-induced magnetic phase transitions in Gd ₇ Rh ₃ studied on single crystals. <i>Journal of Alloys and Compounds</i> , 2015, 628, 230-235.	5.5	5
47	Structural and magnetic transformations in Ni _{51-x} Mn _{36+x} Sn ₁₃ alloys. <i>Physics of the Solid State</i> , 2015, 57, 381-385.	0.6	5
48	Effect of rapid quenching on the magnetic state, electrical resistivity and thermomagnetic properties of Gd ₃ Co. <i>Journal of Alloys and Compounds</i> , 2015, 647, 481-485.	5.5	5
49	Magnetic phase transitions in Y _{1-x} Tb _x Mn ₆ Sn ₆ , La _{1-x} Sm _x Mn ₂ Si ₂ , Lu ₂ (Fe _{1-x} Ni _x) ₁₇ , and La(Fe _{1-x} Ti _x) ₁₁ Co ₁₁ Q ₁₁ 0.78. <i>Journal of Alloys and Compounds</i> , 2015, 628, 196-202.	2.3	2
50	Impact of amorphization on the magnetic state and magnetocaloric properties of Gd ₃ Ni. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 116, 1403-1407.	2.3	5
51	Concentrational commensurate-incommensurate magnetic phase transition in Y _{1-x} Tb _x Mn ₆ Sn ₆ . <i>Physics of Metals and Metallography</i> , 2013, 114, 566-572.	1.0	5
52	Giant magnetoresistance and field-induced phase transitions in Tb ₇ Rh ₃ single crystal. <i>Journal of the Korean Physical Society</i> , 2013, 63, 563-566.	0.7	5
53	Magnetic-field-induced martensitic transformations in Ni _{47-x} Mn _{42+x} In ₁₁ alloys (with 0 ≤ x ≤ 2). <i>Physics of Metals and Metallography</i> , 2013, 114, 838-844.	1.0	21
54	Hydrogen ordering in rare-earth intermetallic (Er, Tb)Fe ₂ compounds with giant spontaneous magnetostriction. <i>Physics of Metals and Metallography</i> , 2013, 114, 985-991.	1.0	6

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55	Magnetic properties of the off-stoichiometric GdNi ₂ Mn _x alloys. Journal of Alloys and Compounds, 2013, 571, 132-137.	5.5	21
56	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
57	A cluster-glass magnetic state in R ₅ Pd ₂ (R = Ho, Tb) compounds evidenced by AC-susceptibility and neutron scattering measurements. Journal of Physics Condensed Matter, 2013, 25, 236003.	1.8	21
58	Magnetic phase transitions in layered intermetallic compounds. Journal of Magnetism and Magnetic Materials, 2012, 324, 3410-3412.	2.3	7
59	Structural and magnetic properties of ErFe ₂ D ₃ .1. Journal of Alloys and Compounds, 2012, 538, 79-84.	5.5	5
60	Severe plastic deformation and hydrogenation of the titanium aluminides. Journal of Alloys and Compounds, 2011, 509, 9307-9311.	5.5	15
61	Hydrogen dynamics in Ce ₂ Fe ₁₇ H ₅ : inelastic and quasielastic neutron scattering studies. Journal of Physics Condensed Matter, 2011, 23, 405402.	1.8	2
62	Magnetic properties and structure of nonstoichiometric rare-earth transition-metal intermetallic compounds TbNi ₂ Mn _x (0 ≤ x ≤ 1.5). Physics of Metals and Metallography, 2010, 110, 210-217.	1.0	18
63	Magnetic properties of the TbNi ₂ Mn _x (0 ≤ x ≤ 1) cubic structure compounds. Journal of Physics: Conference Series, 2010, 200, 032049.	0.4	3
64	Crystal structure of ErFe ₂ D ₃ .1 and ErFe ₂ H ₃ .1 at 450K. Journal of Alloys and Compounds, 2010, 508, 348-353.	5.5	6
65	Spontaneous and Field-Induced Magnetic Phase Transitions in Tb _{1-x} R _x Mn ₆ Sn ₆ (R = Gd, Y) Compounds. Solid State Phenomena, 2009, 152-153, 37-40.	0.3	1
66	Magnetic anisotropy of Tb _{1-x} Gd _x Mn ₆ Sn ₆ compounds. Journal of Magnetism and Magnetic Materials, 2008, 320, 836-844.	2.3	14
67	Use of mechanoactivation for obtaining hydrides of titanium aluminides. Physics of Metals and Metallography, 2008, 105, 460-470.	1.0	3
68	Magnetic anisotropy of the Nd ₂ Fe ₁₄ B compound and its hydride Nd ₂ Fe ₁₄ BH ₄ . Physics of Metals and Metallography, 2007, 103, 39-50.	1.0	19
69	Kinetics of interaction of Mg-based mechanically activated alloys with hydrogen. Physics of Metals and Metallography, 2006, 102, 421-431.	1.0	41
70	Structural and Magnetic Phase Transitions in ErFe ₂ H ₃ Hydrides. Solid State Phenomena, 0, 152-153, 33-36.	0.3	2
71	Magnetic Properties of Non-Stoichiometric R ₂ Ni ₂ Mn _x (R = Tb, Dy) Compounds. Solid State Phenomena, 0, 168-169, 200-203.	0.3	5