

Sergey P Platonov

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	The magnetocaloric effect in R_2Fe_{17} intermetallics with different types of magnetic phase transition. <i>Low Temperature Physics</i> , 2015, 41, 985-989.	0.6	15
2	Magnetism and structure of near-stoichiometric Tm_2Fe_{17+x} compounds. <i>Journal of Alloys and Compounds</i> , 2014, 599, 26-31.	5.5	11
3	Remarkable increase of Curie temperature in doped $GdFeSi$ compound. <i>Intermetallics</i> , 2021, 133, 107183.	3.9	8
4	Magnetic and Structural Properties of $GdFe_{1-x}Ti_xSi$. <i>IEEE Magnetics Letters</i> , 2019, 10, 1-4.	1.1	6
5	Influence of microdeformations on magnetic phase transitions in the $(Tm_{1-x}Pr_x)_2Fe_{17}$ system. <i>Journal of Alloys and Compounds</i> , 2017, 726, 330-337.	5.5	4
6	Magnetic Phase Diagrams of $Tm_2Fe_{19-x}Mn_x$ and Tm_2Fe_{17+x} Systems. <i>Solid State Phenomena</i> , 2014, 215, 123-126.	0.3	3
7	Non-monotonic variation of Curie temperature in $(Tm_{1-x}Pr_x)_2Fe_{16.5}Cr_{0.5}$. <i>Journal of Alloys and Compounds</i> , 2019, 791, 225-231.	5.5	2
8	Magnetic properties of the $GdFeSi$ - $GdTiSi$ solid solutions. <i>Journal of Physics: Conference Series</i> , 2019, 1389, 012128.	0.4	2
9	Unusual stability of ground ferrimagnetic state in Tm_2Fe_{17} under pressure. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 460, 188-192.	2.3	1
10	Unusual weak increase of Curie temperature and lattice parameters in $Pr_2Fe_{16.5}Zr_{0.5}$. <i>Journal of Physics: Conference Series</i> , 2019, 1389, 012129.	0.4	1
11	Magnetic and Structural Properties of $R_2(Fe,M)_{17}$ Alloys with $R = Pr, Tm$ and $M = Cr, V, Ti, Nb, Zr$. <i>Physics of Metals and Metallography</i> , 2021, 122, 205-212.	1.0	1
12	Non-Monotonic Variation of Magnetocaloric Effect in the $Tm_2(Fe,Mn)_{17}$ and $Tm_2Fe_{16-x}Tm_{2+x}Fe_{19}$ Systems. <i>Materials Science Forum</i> , 2016, 845, 13-16.	0.3	0
13	Magnetic properties of the $Tm_2Fe_{17-x}Mn_x$ single-crystals. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 410, 1-4.	2.3	0
14	Magnetic properties of Tm_2Fe_{16} under pressure. <i>EPJ Web of Conferences</i> , 2018, 185, 04018.	0.3	0
15	Competing anisotropy in the $(Tm_xPr_{1-x})_2Fe_{17}$ system. <i>EPJ Web of Conferences</i> , 2018, 185, 04023.	0.3	0
16	Neutron Diffraction Studies of the Transformation of Magnetic and Domain Structures upon Spin-Reorientation Transition in the Tm_2Fe_{18} Ferrimagnet. <i>Physics of Metals and Metallography</i> , 2019, 120, 313-319.	1.0	0
17	Magnetic and magnetothermal properties of the $GdTi_{0.05}Fe_{0.95}$ -Mn Si canted ferrimagnets. <i>Intermetallics</i> , 2021, 137, 107304.	3.9	0
18	Effect of Chromium Substitution for Iron on the Magnetic and Structural Properties of $(Tm_xPr_{1-x})_2Fe_{17}$. <i>Journal of Physics: Conference Series</i> , 2019, 1389, 012128.	1.0	0