

# Sergey P Platonov

## List of Publications by Year in descending order

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18  
papers

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citations

1937685

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h-index

1720034

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g-index

20  
all docs

20  
docs citations

20  
times ranked

47  
citing authors

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