

Petr Doležal

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Alloying-driven transition between ferromagnetism and antiferromagnetism in UTGe compounds: $U_{1-x}Co_x$. Physical Review B, 2022, 105, .	3.2	2
2	$La_{2-x}Pd_{2-x}In$: superconductivity and lattice properties at ambient and elevated pressures. Journal of Physics Condensed Matter, 2022, 34, 145403.	1.8	2
3	Crystal structure evolution in the van der Waals vanadium trihalides. Journal of Physics Condensed Matter, 2022, 34, 294007.	1.8	5
4	Temperature versus composition phase diagram and temperature evolution of structure and modulation of $Ni_2MnGa_{1-x}In_x$ single crystals. Journal of Alloys and Compounds, 2021, 855, 157327.	5.5	3
5	Pressure-induced large increase of Curie temperature of the van der Waals ferromagnet $V_{1-x}I_x$. Physical Review B, 2021, 103, .	3.2	27
6	Laser shock peening of copper poly- and single crystals. Materials Characterization, 2021, 174, 111037.	4.4	5
7	Magnetic anisotropy in the van der Waals ferromagnet $V_{1-x}I_x$. Physical Review B, 2021, 103, .	3.2	17
8	In-situ investigation of phase transformations in ultra-fine grained Ti15Mo alloy. Journal of Alloys and Compounds, 2021, 867, 159027.	5.5	11
9	Strain-induced switching between noncollinear and collinear spin configuration in magnetic $Mn_{1-x}V_x$ films. Physical Review B, 2021, 104, .	3.2	7
10	Stability of the 4f-magnetism in Ce_2Pd_2In under hydrostatic and uniaxial pressure. Journal of Alloys and Compounds, 2021, 878, 160304.	5.5	3
11	Lattice dynamics in $CePd_2Al_2$ and $LaPd_2Al_2$. Scientific Reports, 2021, 11, 20878.	3.3	1
12	$LaPt_2Al_2$ - new superconducting material. Journal of Alloys and Compounds, 2020, 848, 156360.	5.5	2
13	$CePt_2Al_2$: Structural and Bulk Properties. Inorganic Chemistry, 2020, 59, 12263-12275.	4.0	1
14	Multiple charge density wave states and magnetism in $NdPt_2Si_2$ against the background of its nonmagnetic analog $LaPt_2Si_2$. Physical Review B, 2020, 101, .	3.2	4
15	Enhanced magnetocaloric effect in distilled terbium and emergence of novel properties after severe plastic deformation. Scripta Materialia, 2020, 187, 340-344.	5.2	3
16	Ab initio calculations of the crystal field and phonon dispersions in $CePd_2Al_2$ and $LaPd_2Al_2$. Journal of Physics Condensed Matter, 2020, 32, 235402.	1.8	1
17	Local atomic arrangement in $LaCuAl_3$ and $LaAuAl_3$ by NMR and density functional theory. Journal of Physics Condensed Matter, 2019, 31, 385601.	1.8	4
18	Structural, thermodynamic, thermal, and electron transport properties of single-crystalline $LaPt_2$. Physical Review B, 2019, 100, .	3.2	14

#	ARTICLE	IF	CITATIONS
19	Spin fluctuations in hydrogen-stabilized Laves phase UTi_2H_5 . Philosophical Magazine, 2019, 99, 1881-1898.	1.6	3
20	Structural instability in $CePd_2(Al,Ga)_2$ and $LaPd_2(Al,Ga)_2$. Journal of Alloys and Compounds, 2019, 790, 480-492.	5.5	4
21	Effect of the High-Pressure Torsion (HPT) and Subsequent Isothermal Annealing on the Phase Transformation in Biomedical Ti15Mo Alloy. Metals, 2019, 9, 1194.	2.3	14
22	Crystal structures and phase transitions of the van der Waals ferromagnet V_3I_3 . Physical Review Materials, 2019, 3, .	2.4	33
23	^{27}Al -NMR studies of the structural phase transition in $LaPd_2Al_2$. Physica B: Condensed Matter, 2018, 536, 320-322.	2.7	1
24	Effect of lattice distortion on uranium magnetic moments in $U_4Ru_7Ge_6$ studied by polarized neutron diffraction. Physical Review B, 2018, 97, .	3.2	2
25	Experimental and first-principle study of $LuPd_2Si_2$ superconductor. Intermetallics, 2018, 100, 171-174.	3.9	2
26	Czochralski growth of $LaPd_2Al_2$ single crystals. Journal of Crystal Growth, 2017, 475, 10-20.	1.5	6
27	Magnetic structures and excitations in $CePd_2$ series: Development of the α - β states. Physical Review B, 2017, 95, .	3.2	18
28	Properties of the divalent-Yb compound $YbAu_2Si_2$ under extreme conditions. Physica B: Condensed Matter, 2017, 505, 41-44.	2.7	3
29	Magnetic and transport properties of $CePd_2Al_2$ single crystal. Journal of Alloys and Compounds, 2015, 639, 51-59.	3.5	15
30	Structural Phase Transition in $CePd_2Ga_2$ under Hydrostatic Pressure. Acta Physica Polonica A, 2015, 127, 219-221.	0.5	6