

Jaroslav Valenta

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

164
citations

1163117

8
h-index

1199594

12
g-index

29
all docs

29
docs citations

29
times ranked

265
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolution of magnetic and structural phase transitions in solid solutions Ni ₂ MnGa _{1-x} Ge _x . Journal of Alloys and Compounds, 2022, 894, 162441.	5.5	1
2	Synthesis and characterisation of Fe-substituted Ni ₅₀ Mn ₂₅ Fe _{1-x} Ga ₂₅ - single crystals Development of the phase transformations with Fe content. Journal of Alloys and Compounds, 2022, 908, 164543.	5.5	2
3	Tricritical fluctuations and elastic properties of the Ising antiferromagnet $U_{1-x}Ir_xSi_3$. Physical Review B, 2022, 105, .	3.2	5
4	Slow spin dynamics in a CoM ₂ O ₄ A-site spinel (M=Al, Ga, and Rh). Journal of Physics Communications, 2022, 6, 055001.	1.2	1
5	Pressure-induced large increase of Curie temperature of the van der Waals ferromagnet V_3U . Physical Review B, 2021, 103, .	3.2	27
6	Systematic search for new Co ₂ YZ and Rh ₂ YZ Heusler alloys based on theoretical calculations. Intermetallics, 2021, 130, 107060.	3.9	9
7	Systematic experimental search for Fe ₂ YZ Heusler compounds predicted by ab-initio calculation. Intermetallics, 2021, 131, 107073.	3.9	9
8	Weakly anisotropic ferromagnet EuRu ₂ P ₂ : Ambient and hydrostatic pressure characterization. Journal of Alloys and Compounds, 2021, 864, 158753.	5.5	1
9	The low and high temperature thermoelectric properties of Yb ₃ Si ₅ . Materials Research Express, 2021, 8, 075504.	1.6	3
10	states in U_5Mf_2 probed by x-ray spectroscopies. Physical Review B, 2021, 104, .	3.2	5
11	Pressure induced superconductivity in a CeRhSi ₃ single crystal the high pressure study. Journal of Physics Condensed Matter, 2021, 33, 035602.	1.8	3
12	Pressure variations of the 5f magnetism in UH ₃ . Journal of Magnetism and Magnetic Materials, 2020, 497, 165993.	2.3	6
13	Effect of localization of 5f -electrons and pressure on magnetism in uranium intermetallics in spin-fluctuation theory. Physical Review B, 2020, 102, .	3.2	1
14	Characterization, specific heat and magnetization measurements on Ni ₂ YZ Heusler alloys. Journal of Magnetism and Magnetic Materials, 2020, 513, 167083.	2.3	6
15	Impact of isoelectronic substitution and hydrostatic pressure on the quantum critical properties of CeRhSi ₃ . Journal of Physics Condensed Matter, 2020, 32, 425601.	1.8	1
16	Fe ₂ MnSn Experimental quest for predicted Heusler alloy. Journal of Magnetism and Magnetic Materials, 2020, 501, 166426.	2.3	14
17	Chemical and physical pressure effects in the A-site spinel antiferromagnets CoM ₂ O ₄ (M = Al, Co, and Tl). Journal of Physics Condensed Matter, 2020, 32, 078431.	1.6	5
18	Renewed Single Crystal Study of Ce ₃ Al ₁₁ . , 2020, , .		0

#	ARTICLE	IF	CITATIONS
19	Magnetotransport as a probe of phase transformations in metallic antiferromagnets: The case of UIrSi ₃ . Physical Review B, 2019, 100, .	3.2	12
20	Electrical resistivity across the tricriticality in itinerant ferromagnet. AIP Advances, 2018, 8, 055710.	1.3	1
21	Antiferromagnetism and phase transitions in noncentrosymmetric UIrSi ₃ . Physical Review B, 2018, 97, .	3.2	14
22	Experimental study of magnetocaloric effect in the two-level quantum system K ₂ Tm(MoO ₄) ₂ . Physica B: Condensed Matter, 2018, 536, 450-453.	2.7	7
23	Pressure-induced valence change and moderate heavy fermion state in Eu-compounds. Physica B: Condensed Matter, 2018, 536, 182-191.	2.7	15
24	Quantum ferromagnet in the proximity of the tricritical point. Npj Quantum Materials, 2017, 2, .	5.2	11
25	Properties of the divalent-Yb compound YbAu ₂ Si ₂ under extreme conditions. Physica B: Condensed Matter, 2017, 505, 41-44.	2.7	3
26	Magnetism in TmCo ₂ . Acta Physica Polonica A, 2015, 127, 379-381.	0.5	1
27	Presence of Paramagnetism in Ho(Co _{1-x} Si _x) ₂ Under Hydrostatic Pressure. Acta Physica Polonica A, 2014, 126, 406-408.	0.5	0
28	Magnetism in RCo ₂ (R = Dy, Ho, Er, Tm) Under Hydrostatic Pressure. Acta Physica Polonica A, 2014, 126, 288-289.	0.5	3
29	Presence of paramagnetism in HoCo ₂ under hydrostatic pressure. Journal of Physics: Conference Series, 2014, 500, 182041.	0.4	0