

Jiri Pospisil

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/785983/publications.pdf>

Version: 2024-02-01

75
papers

548
citations

687363

13
h-index

839539

18
g-index

76
all docs

76
docs citations

76
times ranked

525
citing authors

#	ARTICLE	IF	CITATIONS
1	<p>display="inline" id="d1e70" altimg="si13.svg">< mml:mrow>< mml:msub>< mml:mrow />< mml:mrow>< mml:mn>0</mml:mn>< mml:mo>.</mml:mo>< mml:mn>8</mml:mn></mml:mrow></mml:msub>< mml:msub>< mml:mrow mathvariant="normal">Fe</mml:mi></mml:mrow>< mml:mrow>< mml:mn>0</mml:mn>< mml:mo>.</mml:mo>< mml:mn>2</mml:mn>< mml:mo>.</mml:mo>< mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>. Journal of Magnetism and Magnetic Materials, 2022, 541, 168531.</p>		
2	The surface degradation and its impact on the magnetic properties of bulk V13. Materials Chemistry and Physics, 2022, 278, 125590.	4.0	7
3	Alloying-driven transition between ferromagnetism and antiferromagnetism in UTGe compounds: < mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML">< mml:mrow>< mml:mi mathvariant="normal">U</mml:mi>< mml:msub>< mml:mi>Co</mml:mi>< mml:mrow>< mml:mn>1</mml:mn>< mml:mo>â²</mml:mo>< mml:msub>< mml:mi>Ge</mml:mi>< mml:mrow>< mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review B, 2022, 105, .	3.2	3
4	Magnetic properties of TbMn0.98Fe0.02O3 single crystal. Journal of Magnetism and Magnetic Materials, 2022, 549, 168986.	2.3	3
5	Impact of the U < mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML">< mml:mrow>< mml:mn>5</mml:mn>< mml:mi>f</mml:mi>< mml:msub>< mml:mi>Li</mml:mi>< mml:mrow>< mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> states on the electronic structure of < mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML">< mml:mrow>< mml:mi>LiPd</mml:mi>< mml:mrow>< mml:mn>2</mml:mn></mml:mrow></mml:math>.	3.2	3
6	Tricritical fluctuations and elastic properties of the Ising antiferromagnet < mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML">< mml:msub>< mml:mi>UlrSi</mml:mi>< mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2022, 105, .	3.2	3
7	Crystal structure evolution in the van der Waals vanadium trihalides. Journal of Physics Condensed Matter, 2022, 34, 294007.	1.8	5
8	Magnetic anisotropy in the van der Waals ferromagnet < mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML">< mml:mrow>< mml:mi mathvariant="normal">V</mml:mi>< mml:msub>< mml:mi>I</mml:mi>< mml:mrow>< mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2021, 103, .	3.2	17
9	Crystallographic and magnetic structure of < mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML">< mml:mrow>< mml:msub>< mml:mi>UNi</mml:mi>< mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math> < mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML">< mml:mrow>< mml:mi>B</mml:mi>< mml:mprescripts />< mml:none />< mml:mn>11</mml:mn></mml:mrow></mml:math>. Physical Review B, 2021, 103, .	3.2	6
10	Positron annihilation spectroscopy study of radiation-induced defects in W and Fe irradiated with neutrons with different spectra. Scientific Reports, 2020, 10, 18898.	3.3	13
11	Investigating behavior of < mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML">< mml:mrow>< mml:mi>UC</mml:mi>< mml:msub>< mml:mi>o</mml:mi>< mml:mrow>< mml:mn>1</mml:mn>< mml:mo>â²</mml:mo>< mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:math> ferromagnets in magnetic field along the < mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML">< mml:mrow>< mml:mi>R</mml:mi>< mml:msub>< mml:mi>h</mml:mi>< mml:mrow>< mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> < mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML">< mml:mrow>< mml:mi>Ge</mml:mi></mml:mrow></mml:math>.	3.2	8
12	Low-temperature study of an Er2Ti2O7 single crystal synthesized by floating zone technique and simplified feed rod preparation route. Journal of Crystal Growth, 2020, 546, 125783.	1.5	6
13	Magnetic phase diagram of the antiferromagnet U2Rh2Pb. Journal of Alloys and Compounds, 2020, 823, 153485.	5.5	3
14	Renewed Single Crystal Study of Ce3Al11. , 2020, , .		0
15	Magnetotransport as a probe of phase transformations in metallic antiferromagnets: The case of UlrSi3. Physical Review B, 2019, 100, .	3.2	12
16	Critical behavior of magnetization in URhAl: Quasi-two-dimensional Ising system with long-range interactions. Physical Review B, 2018, 97, .	3.2	12
17	Consecutive magnetic phase diagram of UCoGe-URhGe-UlrGe system. Physica B: Condensed Matter, 2018, 536, 532-534.	2.7	4
18	Inelastic X-ray scattering of RTAl3 (R = La, Ce, T = Cu, Au). Physica B: Condensed Matter, 2018, 536, 24-27.	2.7	4

#	ARTICLE	IF	CITATIONS
37	Magnetism in GdCo ₂ B ₂ Studied on a Single Crystal. Journal of the Physical Society of Japan, 2014, 83, 054713.	1.6	4
38	Ordered array of I° particles in Ti matrix studied by small-angle X-ray scattering. Acta Materialia, 2014, 81, 71-82.	7.9	30
39	Growth and characterization of CePtIn single crystal. Journal of Crystal Growth, 2014, 394, 61-66.	1.5	5
40	Two Ferromagnetic QCP in UCo _{1-x} Ru _x Al Compounds. , 2014, , .		0
41	Growth of I° inclusions in Ti alloys: An X-ray diffraction study. Acta Materialia, 2013, 61, 6635-6645.	7.9	20
42	Influence of symmetry on Sm magnetism studied on SmIr ₂ Si ₂ polymorphs. Journal of Alloys and Compounds, 2013, 574, 459-466.	5.5	11
43	Evolution of magnetism in LuFe ₂ Al ₁₂ (4 ^{1/2} × 1 ^{1/2} × 6) single crystals. Journal of Alloys and Compounds, 2013, 563, 63-71.	5.5	18
44	Complex magnetic phase diagram of a geometrically frustrated Sm lattice: Magnetometry and neutron diffraction study of SmPd ₂ Al ₃ .	3.2	8
45	Influence of the Texture and Strain on the Behaviour of Ni _{53.6} Mn _{27.1} Ga _{19.3} and Ni _{54.2} Mn _{29.4} Ga _{16.4} Shape Memory Alloys. Journal of Materials, 2013, 2013, 1-8.	0.1	0
46	Superconductivity in the YIr ₂ Si ₂ and LaIr ₂ Si ₂ Polymorphs. Journal of the Physical Society of Japan, 2012, 81, 104715.	1.6	24
47	Structural and magnetic study of SmTAl single crystals (T=Pd and Ni). Journal of Applied Physics, 2012, 111, 07E146.	2.5	2
48	Magnetic Studies of Ternary Germanides U ₃ Co ₄ Ge ₇ and U ₃ Co ₂ Ge ₇ with Strong Uniaxial Anisotropy. Journal of the Physical Society of Japan, 2012, 81, 094703.	1.6	3
49	Magnetic and transport properties of CePt ₃ Ge Kondo lattice in crystalline and sub-micron state. Journal of Alloys and Compounds, 2012, 520, 22-29.	5.5	1
50	YPd ₂ Al ₃ A new superconducting compound. Journal of Alloys and Compounds, 2011, 509, 1401-1406.	5.5	6
51	Anisotropic magnetocaloric effect in TbNiAl. Journal of Alloys and Compounds, 2011, 509, 5931-5934.	5.5	9
52	Influence of anisotropy, the latent heat and the thermal history of alloy on martensitic transformation strain in Ni ₃ Ta single crystal. Journal of Alloys and Compounds, 2011, 509, 5500-5505.	5.5	7
53	Structure phase transitions of polymorphic compounds with layered crystal structures: The REIr ₂ Si ₂ case. Intermetallics, 2011, 19, 1622-1626.	3.9	10
54	Magnetic phase diagram of NdIr_2Si_2 . Physical Review B, 2011, 83, .	3.2	7

#	ARTICLE	IF	CITATIONS
55	Influence of Sample Preparation Technology and Treatment on Magnetism and Superconductivity of UCoGe. Journal of the Physical Society of Japan, 2011, 80, 084709.	1.6	18
56	Magnetism of UTGe compounds tuned by hydrogen absorption. Journal of Physics: Conference Series, 2010, 200, 012002.	0.4	3
57	Low temperature AC susceptibility of UCoGe crystals. Journal of Physics: Conference Series, 2010, 200, 012161.	0.4	6
58	Magnetic phase transitions in SmPd_2Al_3 . Journal of Physics: Conference Series, 2010, 200, 032058.	0.4	0
59	Synthesis and magnetic studies of ternary germanides $\text{U}_3\text{Co}_4\text{Ge}_7$ and $\text{U}_3\text{Co}_2\text{Ge}_7$. IOP Conference Series: Materials Science and Engineering, 2010, 9, 012048.	0.6	2
60	Shape memory behavior of a Ni ₃ Ta alloy pre-deformed in compression. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 2900-2905.	5.6	10
61	Magnetism of UCoGe and $\text{U}_3\text{Co}_4\text{Ge}_7$. Journal of Magnetism and Magnetic Materials, 2010, 322, 1137-1139.	2.3	3
62	Magnetism in hydrogenated UTGe compounds. IOP Conference Series: Materials Science and Engineering, 2010, 9, 012051.	0.6	4
63	Pressure effect on the crystal lattice of unconventional superconductor UCoGe. Journal of Physics Condensed Matter, 2010, 22, 275603.	1.8	13
64	Samarium magnetism studied on SmPd_2 crystal. Physical Review B, 2010, 81, .	2.2	10
65	Low magnetic field phase diagram of UCoGe. Physical Review B, 2010, 82, .	3.2	8
66	Magnetic properties of the hydrogenated unconventional superconductor UCoGe-H. International Journal of Materials Research, 2009, 100, 1230-1233.	0.3	11
67	Ferromagnetism in UCoGe stabilized by transition metal doping. Journal of Applied Physics, 2009, 105, 07E114.	2.5	13
68	The effect of hydrogenation on magnetic interactions in CeNi. Journal of Physics Condensed Matter, 2009, 21, 446003.	1.8	3
69	Electronic structure and magnetism of $\text{PrNi}_x\text{Pt}_{1-x}$ compounds. Journal of Alloys and Compounds, 2008, 450, 118-127.	5.5	1
70	Magnetic properties Mössbauer study and MCE in compounds $\text{RE}_2\text{Fe}_{17-x}\text{Cr}_x$ (RE=Pr, Gd). Journal of Magnetism and Magnetic Materials, 2007, 310, e629-e631.	2.3	7
71	Magnetic and thermodynamic properties and MCE of intermetallic compounds PrNi_xPt_x . Journal of Magnetism and Magnetic Materials, 2007, 316, e552-e554.	2.3	2
72	Spectroscopy of thermoactivated relaxation processes in butadiene-styrene copolymers in the elementary relaxator approach. Polymer Bulletin, 1983, 9, 40-46.	3.3	4

#	ARTICLE	IF	CITATIONS
73	Luminescence of poly(N-vinylcarbazole) in the solution and solid state. European Physical Journal D, 1975, 25, 1176-1180.	0.4	2
74	TSDC study of chemical induced crosslinking in polybutadiene rubber. , 0, , .		0
75	Influence of Ru on the Magnetic Properties of Y₂T₁₇ (T =) Tj ETQq1 1 0.784314 rgBT / 0.3		