

Vladimir Sechovsky

List of Publications by Year in descending order

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614
docs citations

614
times ranked

3070
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of a magnetic-cooling material $\text{Gd}(\text{OH})\text{CO}_3$. Journal of Materials Chemistry A, 2014, 2, 9851-9858.	5.2	173
2	Anion-templated Assembly and Magnetocaloric Properties of a Nanoscale $\{\text{Gd}_{38}\}$ Cage versus a $\{\text{Gd}_{48}\}$ Barrel. Chemistry - A European Journal, 2013, 19, 14876-14885.	1.7	159
3	A brilliant cryogenic magnetic coolant: magnetic and magnetocaloric study of ferromagnetically coupled GdF_3 . Journal of Materials Chemistry C, 2015, 3, 12206-12211.	2.7	134
4	Systematics across the UTX series (T = Ru, Co, Ni; X = Al, Ga, Sn) of high-field and low-temperature properties of non-ferromagnetic compounds. Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics, 1986, 142, 283-293.	0.9	110
5	Magnetic properties of the itinerant electron metamagnet UCoAl under high pressure. Physical Review B, 1999, 59, 6877-6885.	1.1	94
6	Chapter 1 Magnetism of ternary intermetallic compounds of uranium. Handbook of Magnetic Materials, 1998, 11, 1-289.	0.6	92
7	Gadolinium(III)-Hydroxy Ladders Trapped in Succinate Frameworks with Optimized Magnetocaloric Effect. Chemistry - A European Journal, 2013, 19, 13504-13510.	1.7	88
8	Thermal properties of metamagnetic transition in heavy-fermion systems. Journal of Magnetism and Magnetic Materials, 1998, 177-181, 271-276.	1.0	84
9	Continuous synthesis of fine MgFe_2O_4 nanoparticles by supercritical hydrothermal reaction. Journal of Supercritical Fluids, 2010, 53, 92-94.	1.6	78
10	Magnetic ordering in $\text{U}_2\text{Pd}_2\text{In}$ and $\text{U}_2\text{Pd}_2\text{Sn}$. Physical Review B, 1994, 50, 6792-6801.	1.1	67
11	Electronic properties of UNiAl in high magnetic fields. Physical Review B, 1994, 49, 8852-8863.	1.1	66
12	Giant magnetoresistance effects in intermetallic compounds (invited). Journal of Applied Physics, 1994, 76, 6913-6918.	1.1	65
13	Switching of the Magnetocaloric Effect of Mn^{II} Glycolate by Water Molecules. Chemistry - A European Journal, 2014, 20, 3029-3035.	1.7	63
14	Magnetic and transport properties of the intermetallic compound Y_4Co_3 . Journal of Magnetism and Magnetic Materials, 1980, 21, 191-195.	1.0	61
15	Giant magnetoresistance effects in UNiGa . Journal of Applied Physics, 1991, 70, 5794-5796.	1.1	61
16	Chapter 4 Intermetallic compounds of actinides. Handbook of Ferromagnetic Materials, 1988, , 309-491.	0.3	58
17	Importance of anharmonic terms in the analysis of the specific heat of UNi_2Si_2 . Physical Review B, 2001, 63, .	1.1	54
18	Anisotropic effects in the antiferromagnetic Kondo compound CePtSn . Physica B: Condensed Matter, 1993, 183, 108-114.	1.3	53

#	ARTICLE	IF	CITATIONS
19	Heavy fermion behavior of U ₂ T ₂ X compounds. Journal of Applied Physics, 1994, 76, 6214-6216.	1.1	50
20	Magnetic anisotropy in UTX compounds. Physica B: Condensed Matter, 1992, 177, 159-163.	1.3	49
21	Magnetic, electrical, and specific-heat properties of UPdSn and UAuSn. Physica B: Condensed Matter, 1992, 176, 275-287.	1.3	48
22	Magnetism in U ₂ T ₂ X compounds. Journal of Magnetism and Magnetic Materials, 1995, 140-144, 1367-1368.	1.0	48
23	U ternaries with ZrNiAl structure – lattice properties. Journal of Alloys and Compounds, 2001, 322, 7-13.	2.8	47
24	Magnetic properties of single crystals of ErFe ₁₁ Ti and LuFe ₁₁ Ti. Journal of the Less Common Metals, 1988, 144, L21-L24.	0.9	46
25	Specific-heat anomaly of metamagnetism on PrFe ₄ P ₁₂ and UCoAl. Physica B: Condensed Matter, 2000, 281-282, 220-222.	1.3	46
26	5f-ligand hybridization and magnetism in UTX compounds. Physica B: Condensed Matter, 1990, 163, 103-106.	1.3	45
27	Magnetic excitations in non-collinear antiferromagnetic Weyl semimetal Mn ₃ Sn. Npj Quantum Materials, 2018, 3, .	1.8	45
28	Low temperature magnetic structures of UPdSn. Journal of Magnetism and Magnetic Materials, 1991, 98, 147-154.	1.0	43
29	Magnetic behaviour of RCuAl compounds. Journal of Alloys and Compounds, 1998, 264, 38-42.	2.8	43
30	Giant magnetoresistance related transport properties in multilayers and bulk materials (invited). Journal of Applied Physics, 1994, 76, 6919-6924.	1.1	42
31	Transport, magnetic, optical and thermodynamic properties of Bi ₂ MnSe ₃ single crystals. Physica B: Condensed Matter, 2008, 403, 3553-3558.	1.3	42
32	Specific heat and magnetic behavior of UTGe compounds. Journal of Applied Physics, 1990, 67, 5215-5217.	1.1	41
33	Electronic properties of a URhGe single crystal. Physica B: Condensed Matter, 2002, 311, 220-232.	1.3	40
34	The extent of localisation of the Fe moment in Y(Fe _{1-x} Al _x) ₂ and Zr(Fe _{1-x} Al _x) ₂ – a comparison of the magnetic properties. Journal of Physics F: Metal Physics, 1982, 12, 1209-1226.	1.6	39
35	Effects of external pressure on the 5f-band metamagnetism in UCoAl. Physical Review B, 1997, 55, 5847-5850.	1.1	39
36	Magnetism in RENiAl compounds. Journal of Applied Physics, 1993, 73, 5677-5679.	1.1	37

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37	Neutron diffraction study of magnetic structures in TbNiAl. Journal of Magnetism and Magnetic Materials, 1997, 166, 133-140.	1.0	37
38	Magnetic structure study of ErCuAl and ErNiAl. Physica B: Condensed Matter, 1996, 225, 230-236.	1.3	36
39	UPdIn "A New Magnetic Heavy-Fermion Compound. Europhysics Letters, 1988, 7, 177-183.	0.7	34
40	Hybridization effects in U ₂ T ₂ X compounds: Magnetic structures of U ₂ Rh ₂ Sn and U ₂ Ni ₂ In. Physical Review B, 1996, 53, 3263-3271.	1.1	34
41	The effect of local disorder on the magnetic, electric and thermal properties of RE(Fe _{1-x} Al _x) ₂ (RE=Gd, Y). Journal of Applied Physics, 1991, 70, 7843-7851.	1.6	33
42	Magnetization densities in UCoAl studied by polarized neutron diffraction. Physical Review B, 2001, 63, 040407.	1.1	33
43	X-ray magnetic circular dichroism studies of 5f magnetism in UCoAl and UPtAl. Physical Review B, 2002, 66, 040407.	1.1	33
44	Magnetism, superconductivity, and quantum criticality in the multisite cerium heavy-fermion compound Ce ₃ CoSb. Physical Review B, 2015, 92, 040407.	1.1	33
45	Crystal structures and phase transitions of the van der Waals ferromagnet V ₃ Cr ₂ Si ₂ . Physical Review Materials, 2019, 3, 011101.	0.9	33
46	On the magnetic behaviour of some UvT compounds (v = Al, Ga, Sn; T = Transition metal). Journal of the Less Common Metals, 1986, 121, 169-174.	0.9	32
47	Antiferromagnetic structure of UNiAl. Physical Review B, 1998, 58, 2692-2698.	1.1	32
48	Crystal structure, electrical transport properties and electronic structure of the VFe _{1-x} Cu _x Sb solid solution. Journal of Alloys and Compounds, 2005, 402, 30-35.	2.8	32
49	The magnetic and transport properties of the compounds (Gd, Y) ₄ Co ₃ . Journal of Physics F: Metal Physics, 1980, 10, 2819-2829.	1.6	30
50	Magnetism and specific heat of U _{1-x} Ga _x and UPdGa ₅ . Journal of Magnetism and Magnetic Materials, 1992, 104-107, 11-12.	1.0	30
51	Development of magnetic order in the pseudo-ternary series ErNi _{1-x} Cu _x Al. Journal of Magnetism and Magnetic Materials, 2004, 283, 34-45.	1.0	30
52	Magnetism in REPdSn (RE=La, Pr, Nd) compounds: A single-crystal study. Journal of Alloys and Compounds, 2009, 478, 1-8.	2.8	30
53	Magnetic transitions in UNiGa. Journal of Applied Physics, 1991, 69, 4813-4815.	1.1	29
54	Magnetic properties of RCuAl and RNiAl compounds. Journal of Magnetism and Magnetic Materials, 1995, 140-144, 1139-1140.	1.0	29

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55	Single crystal study of the layered heavy fermion compounds Ce ₂ PdIn ₈ , Ce ₃ PdIn ₁₁ , Ce ₂ PtIn ₈ and Ce ₃ PtIn ₁₁ . Journal of Crystal Growth, 2014, 397, 47-52.	0.7	29
56	Hybridization and magnetism in U(Ru, Rh)X, X=Al, Ga. Physica B: Condensed Matter, 1992, 177, 164-168.	1.3	28
57	Influence of 3d-metal doping on magnetism of UCoAl. Journal of Alloys and Compounds, 2003, 353, 12-16.	2.8	28
58	Structural discontinuity in the hexagonal $R\text{TAl}$ compounds. Experiments and density-functional theory calculations. Physical Review B, 2008, 77, .	1.1	28
59	Giant magnetoresistance and magnetic phase diagram of UNiGa. Journal of Applied Physics, 1996, 79, 6396.	1.1	27
60	Transport properties of the anisotropic itinerant-electron metamagnet UCoAl. Physical Review B, 2000, 62, 13852-13855.	1.1	27
61	Magnetism of sol-gel fabricated CoFe ₂ O ₄ /SiO ₂ nanocomposites. Journal of Applied Physics, 2005, 97, 124304.	1.1	27
62	Coexistence of Antiferromagnetism and Superconductivity in Heavy Fermion Cerium Compound Ce ₃ PdIn ₁₁ . Scientific Reports, 2015, 5, 15904.	1.6	27
63	Pressure-induced large increase of Curie temperature of the van der Waals ferromagnet $V\text{Mn}_3$. Physical Review B, 2021, 103, .	1.1	27
64	Magnetic Properties of a UPtAl Single Crystal. Journal of the Physical Society of Japan, 1999, 68, 2426-2432.	0.7	26
65	UTX compounds in high magnetic fields. Physica B: Condensed Matter, 1990, 163, 175-178.	1.3	25
66	Antiferromagnetic correlations in UNiAl. Physica B: Condensed Matter, 1990, 163, 313-316.	1.3	25
67	High-field magnetization of U ₂ T ₂ X compounds (T = Co, Ni, Rh, Pd, Ir, Pt and X = In, Sn). Physica B: Condensed Matter, 1994, 201, 247-250.	1.3	25
68	Field dependence of the superconducting transition and of the onset of magnetism in Y ₄ Co ₃ . Solid State Communications, 1981, 40, 457-458.	0.9	24
69	Anisotropy of magnetism in actinide and lanthanide intermetallics. Journal of Alloys and Compounds, 1994, 207-208, 221-228.	2.8	24
70	Commensurate and incommensurate magnetic structures of UNiGe. Physical Review B, 1996, 54, 7201-7209.	1.1	24
71	Effect of external pressure on the magnetism of UCo _{0.98} Fe _{0.02} Al. Physical Review B, 2002, 66, .	1.1	24
72	Superconductivity in the YIr ₂ Si ₂ and LaIr ₂ Si ₂ Polymorphs. Journal of the Physical Society of Japan, 2012, 81, 104715.	0.7	24

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73	Magnetism of DyNi ₂ B ₂ C nanoparticle investigated with a quantum simulation model. Physica Status Solidi (B): Basic Research, 2012, 249, 202-208.	0.7	24
74	Magnetization, Electrical Resistivity, Thermopower, and Neutron Diffraction in HoCu ₂ . Physica Status Solidi (B): Basic Research, 1982, 111, 195-201.	0.7	23
75	The role of hybridization in U(Ru,Rh)Al. Journal of Applied Physics, 1988, 63, 3064-3066.	1.1	23
76	Specific heat and magnetocaloric effect in UNiGa. Physica B: Condensed Matter, 1993, 186-188, 775-777.	1.3	23
77	Neutron scattering study of the magnetic ordering in HoNiAl. Journal of Magnetism and Magnetic Materials, 1996, 159, 324-330.	1.0	23
78	Anisotropic magnetic properties and specific-heat study of aTbFe ₂ Si ₂ single crystal. Physical Review B, 2004, 70, .	1.1	23
79	Specific heat measurements of (Ho, Y)Co ₂ and (Dy, Y)Co ₂ . Journal of Magnetism and Magnetic Materials, 1987, 70, 162-164.	1.0	22
80	Anisotropic magnetic and transport properties of UNiGe. IEEE Transactions on Magnetics, 1994, 30, 1214-1216.	1.2	22
81	Neutron diffraction study of magnetic ordering in RNiAl compounds. Physica B: Condensed Matter, 1997, 234-236, 665-666.	1.3	22
82	Magnetism in ErCo ₂ under high pressure. Physical Review B, 2001, 63, .	1.1	22
83	Ferromagnetism induced in UCoAl under uniaxial pressure. Physica B: Condensed Matter, 2003, 334, 160-166.	1.3	22
84	The origin of magnetism in UNi ₂ – a simple band approach. Solid State Communications, 1981, 40, 881-884.	0.9	21
85	Influence of Y, Fe and Co substitutions on electronic properties of UNiAl. Physica B: Condensed Matter, 1990, 163, 379-381.	1.3	20
86	Magnetic phases in unige. Journal of Alloys and Compounds, 1994, 213-214, 536-539.	2.8	20
87	Magnetic and crystallographic structures in UTX intermetallic compounds. Journal of Alloys and Compounds, 1994, 213-214, 528-532.	2.8	20
88	Magnetic phase diagram of UNiGa. Journal of Magnetism and Magnetic Materials, 1995, 140-144, 1379-1380.	1.0	20
89	Superzone Gap Formation Evidenced by Specific Heat in UNiGa. Journal of the Physical Society of Japan, 1996, 65, 3312-3316.	0.7	20
90	Co magnetism and related phenomena in the Er(Co _{1-x} Si _x) ₂ compounds. Journal of Magnetism and Magnetic Materials, 1998, 182, 143-151.	1.0	20

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91	Magnetic properties of the UCo _{1-x} Pt Al solid solutions. Journal of Alloys and Compounds, 1998, 265, 38-41.	2.8	20
92	Specific-Heat Anomaly around Metamagnetic Transition in UCoAl. Journal of the Physical Society of Japan, 1999, 68, 3922-3926.	0.7	20
93	Magnetic properties of the UCo _{1-x} T Al solid solutions (T=Rh and Ir). Journal of Alloys and Compounds, 1999, 284, 77-81.	2.8	20
94	Structure and magnetism in RNi _{1-x} Cu _x Al (R=Er, Dy) compounds. Journal of Alloys and Compounds, 2006, 408-412, 155-157.	2.8	20
95	ThALES – Three Axis Low Energy Spectroscopy for highly correlated electron systems. Neutron News, 2015, 26, 18-21.	0.1	20
96	Magnetic properties of TbNiAl. Journal of Alloys and Compounds, 1994, 207-208, 254-256.	2.8	19
97	Hall effect and thermoelectric power in UNiGa. Physical Review B, 1996, 54, 15330-15334.	1.1	19
98	Low-temperature magnetic structure of UNiGe. Physical Review B, 1996, 53, 758-765.	1.1	19
99	Alloying and pressure-induced transitions between 5f-band metamagnetism and ferromagnetism. Physical Review B, 1999, 60, 1122-1126.	1.1	19
100	Magnetism in HoCo ₂ and ErCo ₂ under high pressure. Journal of Alloys and Compounds, 2001, 317-318, 438-442.	2.8	19
101	Electronic and crystal structure of \hat{I}_{\pm} - and \hat{I}^2 -CeIr ₂ Si ₂ . Physica B: Condensed Matter, 2009, 404, 3191-3194.	1.3	19
102	Samarium magnetism studied on $\langle \text{mml:math xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"} \text{display}=\text{"inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle \text{SmPd} \langle \text{mml:mtext} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 21 \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle \text{crystal}$. Physical Review B, 2010, 81, .	2.1	19
103	Onset of ferromagnetism in U(Co _x Ni _{1-x}) ₂ . Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics, 1980, 102, 277-281.	0.9	18
104	Magnetic arrangement in the Dy(Fe _{1-x} Al _x) ₂ pseudobinary laves phases. Journal of Magnetism and Magnetic Materials, 1983, 31-34, 201-203.	1.0	18
105	High resolution photoemission on UPdSn and UNiAl. Journal of Alloys and Compounds, 1992, 181, 205-210.	2.8	18
106	Influence of Al-atoms on the spin fluctuation scattering in R(Co, Al) ₂ compounds. Physica B: Condensed Matter, 1992, 179, 111-116.	1.3	18
107	Magnetic anisotropy of UCoGa. Journal of Applied Physics, 1993, 73, 6554-6556.	1.1	18
108	High-field magnetization studies of some U ₂ T ₂ X compounds. Physica B: Condensed Matter, 1995, 211, 142-144.	1.3	18

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109	Band metamagnetism and related phenomena in $\text{Er}(\text{Co}_{1-x}\text{Si}_x)_2$. Journal of Applied Physics, 1997, 81, 4221-4223.	1.1	18
110	Magnetism in RECo_2 compounds under high pressure. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 1062-1067.	1.0	18
111	Canted ferromagnetic structure of UNiGe in high magnetic fields. Physical Review B, 2002, 65, .	1.1	18
112	Pressure effects on the magnetocaloric properties of $\text{MnFeP}_{1-x}\text{As}_x$. Journal of Magnetism and Magnetic Materials, 2007, 310, e1008-e1009.	1.0	18
113	Influence of Sample Preparation Technology and Treatment on Magnetism and Superconductivity of UCoGe . Journal of the Physical Society of Japan, 2011, 80, 084709.	0.7	18
114	Magnetic and structural properties of Mn-doped Bi_2Se_3 topological insulators. Physica B: Condensed Matter, 2016, 481, 262-267.	1.3	18
115	Low-energy spin dynamics of orthoferrites AFeO_3 ($\text{A} = \text{Y, La, Bi}$). Journal of Physics Condensed Matter, 2018, 30, 235802.	0.7	18
116	Magnetic properties of UXCo $X = \text{Sn, Al, Ga}$. Journal of Magnetism and Magnetic Materials, 1986, 54-57, 551-552.	1.0	17
117	Development of the ground state within the UTSi system. Journal of Applied Physics, 1991, 69, 4702-4704.	1.1	17
118	Magnetic properties of non-stoichiometric UNiGa . Journal of Alloys and Compounds, 1995, 224, 244-248.	2.8	17
119	RNiAl hydrides and their magnetic properties. Journal of Alloys and Compounds, 1997, 262-263, 206-210.	2.8	17
120	Magnetic properties of UFeGe . Journal of Magnetism and Magnetic Materials, 1998, 177-181, 47-48.	1.0	17
121	Comment on "Emergence of a Superconducting State from an Antiferromagnetic Phase in Single Crystals of the Heavy Fermion Compound Ce_2PdIn_8 ". Physical Review Letters, 2010, 104, 059701; author reply 059702.	2.9	17
122	Magnetic anisotropy in the van der Waals ferromagnet $\sqrt{3} \times \sqrt{3} \times 1$. Physical Review B, 2021, 103, .	1.1	17
123	Giant magnetoresistance effects in 5f-materials. Physica B: Condensed Matter, 1996, 223-224, 245-250.	1.3	16
124	Magnetic properties of the $\text{UCoAl}_{1-x}\text{Gax}$ intermetallic system. Journal of Alloys and Compounds, 1998, 269, 34-38.	2.8	16
125	Magnetic specific heat of a URhGe single crystal. Physica B: Condensed Matter, 2000, 281-282, 223-225.	1.3	16
126	Electrical resistivity and magnetism in some ternary intermetallics. Journal of Alloys and Compounds, 2001, 317-318, 293-296.	2.8	16

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127	Electronic structure and magnetism in UPtAl. Physical Review B, 2001, 64, .	1.1	16
128	Electronic and transport properties of the Mn-doped topological insulator $\text{Bi}_{1-x}\text{Mn}_x\text{Te}$. A first-principles study. Physical Review B, 2016, 93, .	2.1	16
129	Anisotropy behaviour of U3P4. Physica Status Solidi A, 1975, 32, K59-K62.	1.7	15
130	Onset of magnetism and the crystallographic distortion in $\text{U}(\text{Fe}_{1-x}\text{Mn}_x)_2$. Journal of Magnetism and Magnetic Materials, 1982, 29, 305-313.	1.0	15
131	Magneto-resistance in actinide and lanthanide intermetallics. Journal of Alloys and Compounds, 1994, 207-208, 249-253.	2.8	15
132	Magnetic Phase Transitions and Magnetoelastic Phenomena in UNiGa under Pressure. Journal of the Physical Society of Japan, 1997, 66, 1904-1907.	0.7	15
133	5f-band metamagnetism in UCoAl. Physica B: Condensed Matter, 1997, 230-232, 98-101.	1.3	15
134	Influence of external pressure on thermal expansion and electrical resistivity of UNi2Si2 single crystals. Journal of Magnetism and Magnetic Materials, 1998, 177-181, 49-50.	1.0	15
135	Magnetic structures of UNiAl in magnetic fields. Physica B: Condensed Matter, 1999, 259-261, 246-247.	1.3	15
136	Interaction between components in the Ti-Mn-Sb system at 870 K and the physical properties of $\text{Ti}_5\text{Mn}_{0.45}\text{Sb}_{2.55}$. Journal of Alloys and Compounds, 2001, 319, 74-79.	2.8	15
137	Magnetism in polymorphic phases: Case of Pr_2Co_7 . Physical Review B, 2010, 81, .	1.1	15
138	Pressure-induced valence change and moderate heavy fermion state in Eu-compounds. Physica B: Condensed Matter, 2018, 536, 182-191.	1.3	15
139	Magnetic field induced phenomena in UIrGe in fields applied along the b axis. Physical Review B, 2018, 98, .	1.1	15
140	MAGNETIC PROPERTIES OF URuAl AND URhAl SINGLE CRYSTALS. Journal De Physique Colloque, 1988, 49, C8-485-C8-486.	0.2	15
141	5fmagnetism in (U,Th)CoSn. Journal of Applied Physics, 1988, 63, 3070-3072.	1.1	14
142	U impurities in Au. European Physical Journal B, 1989, 77, 373-380.	0.6	14
143	Magnetic anisotropy in UTX compounds. Journal of Alloys and Compounds, 1992, 181, 179-184.	2.8	14
144	On the magnetic structure of UNiGa. Journal of Magnetism and Magnetic Materials, 1992, 104-107, 21-22.	1.0	14

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145	Magnetic properties of UCo _{1-x} Ru _x Sn solid solutions. Journal of Magnetism and Magnetic Materials, 1995, 140-144, 1383-1384.	1.0	14
146	Electronic properties of U ₂ Ni ₂ Sn. Journal of Magnetism and Magnetic Materials, 1995, 140-144, 1369-1370.	1.0	14
147	Giant magnetoresistance in intermetallics. IEEE Transactions on Magnetics, 1996, 32, 4687-4691.	1.2	14
148	Magnetic properties of UNiAl under pressure. Physical Review B, 1999, 59, 8720-8724.	1.1	14
149	Ferromagnetism in the U _{1-x} Y _x CoAl system. Journal of Magnetism and Magnetic Materials, 1999, 196-197, 658-659.	1.0	14
150	Onset of ferromagnetism in the 5f-band metamagnet UCoAl upon partial dilution of the U sublattice. Journal of Alloys and Compounds, 2000, 307, 77-81.	2.8	14
151	Magnetic and magnetoelastic properties of GdNi: Single-crystal study. Journal of Magnetism and Magnetic Materials, 2007, 310, 1753-1754.	1.0	14
152	Crystal structure and magnetism of RCr ₂ Si ₂ C compounds (R=La, Ce, Pr). Physica B: Condensed Matter, 2008, 403, 2338-2343.	1.3	14
153	Magnetism of PrAl ₂ nanoparticle investigated with a quantum simulation model. Journal of Physics Condensed Matter, 2011, 23, 016002.	0.7	14
154	Physics of polymorphic transitions in CeRuSn. Physical Review B, 2012, 86, .	1.1	14
155	Evolution of ferromagnetic and non-Fermi-liquid states with doping: The case of Ru-doped UCoGe. Physical Review B, 2015, 92, .	1.1	14
156	Antiferromagnetism and phase transitions in noncentrosymmetric UIrSi ₃ . Physical Review B, 2018, 97, .	1.1	14
157	The loss of ferromagnetism in (Uv)Ga ₂ (v = Y, Gd). Journal of the Less Common Metals, 1986, 121, 163-167.	0.9	13
158	Magnetic hysteresis phenomena in high T _c superconductors. European Physical Journal D, 1987, 37, 660-664.	0.4	13
159	Magnetoresistance and metamagnetic transitions in UPdIn. Physica B: Condensed Matter, 1992, 179, 269-271.	1.3	13
160	Magnetism of light-actinide intermetallics. Journal of Magnetism and Magnetic Materials, 1992, 104-107, 7-10.	1.0	13
161	Metamagnetic transitions and giant magnetoresistance in UNiGe. Physica B: Condensed Matter, 1994, 201, 251-254.	1.3	13
162	Thermal expansion of single-crystalline UNiAl. Journal of Applied Physics, 1996, 79, 6358.	1.1	13

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163	Composition and volume dependence of magnetism in URu1-Rh Al and URuAl1-Sn. Journal of Magnetism and Magnetic Materials, 1996, 157-158, 694-695.	1.0	13
164	Magnetism and related phenomena in RE(Co1 \hat{a} ^x Si \hat{x}) ₂ compounds. Journal of Alloys and Compounds, 1997, 262-263, 141-146.	2.8	13
165	Evidence for an extended critical region near the metamagnetic transition of UCoAl. Journal of Applied Physics, 1998, 83, 6435-6437.	1.1	13
166	UPd ₃ under high pressure: \hat{a} Lattice properties. Physical Review B, 2003, 67, .	1.1	13
167	Ferromagnetism in UCoGe stabilized by transition metal doping. Journal of Applied Physics, 2009, 105, 07E114.	1.1	13
168	Influence of an Anomalous Temperature Dependence of the Phase Coherence Length on the Conductivity of Magnetic Topological Insulators. Physical Review Letters, 2019, 123, 036406.	2.9	13
169	Electric Quadrupolar Contributions in the Magnetic Phases of UNi ₄ B. Physical Review Letters, 2021, 126, 157201.	2.9	13
170	Phenomenological modelling of cluster-glass behaviour: Random-direction mean fields and random anisotropy. Journal of Magnetism and Magnetic Materials, 1987, 69, 71-78.	1.0	12
171	The development towards heavy-fermion ground state in UTX compounds. Journal of Magnetism and Magnetic Materials, 1988, 76-77, 89-90.	1.0	12
172	Electronic properties of UNi(Al,Ga). Journal of Applied Physics, 1988, 63, 3067-3069.	1.1	12
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