Ya Mudryk

List of Publications by Year in Descending Order

154 papers	2,415 citations	24 h-index	40 g-index
160 ext. papers	2,854 ext. citations	4.5 avg, IF	5.04 L-index

#	Paper	IF	Citations
154	Hidden first-order phase transitions and large magnetocaloric effects in GdNi1−xCox. *Journal of Alloys and Compounds*, **2022**, 897, 163186	5.7	1
153	Magnetothermal properties of Ho1-xDyxAl2 (x = 0, 0.05, 0.10, 0.15, 0.25 and 0.50) compounds. *Journal of Magnetism and Magnetic Materials*, **2022**, 544, 168705	2.8	2
152	Indium segregation in Gd5(Si,Ge)4 magnetocaloric materials. *Journal of Alloys and Compounds*, **2022**, 893, 162245	5.7	0
151	Inducing Fe moment in LaFeSi with p-block element substitution. *AIP Advances*, **2022**, 12, 035130	1.5	
150	Machine-learning enabled thermodynamic model for the design of new rare-earth compounds. *Acta Materialia*, **2022**, 229, 117759	8.4	0
149	Synthesis-enabled exploration of chiral and polar multivalent quaternary sulfides. *Chemical Science*, **2021**, 12, 14718-14730	9.4	4
148	Controlling magnetostructural transition and magnetocaloric effect in multi-component transition-metal-based materials. *Journal of Applied Physics*, **2021**, 129, 193901	2.5	7
147	Distinctive exchange bias and unusual memory effects in magnetically compensated Pr0.75Gd0.25ScGe. *Journal of Materials Chemistry C*, **2021**, 9, 181-188	7.1	1
146	Magnetothermal properties of TmxDy1−xAl2 (x= 0.25, 0.50 and 0.75). *Journal of Alloys and Compounds*, **2021**, 858, 157682	5.7	2
145	Extraordinarily strong magneto-responsiveness in phase-separated LaFe2Si. *Acta Materialia*, **2021**, 215, 117083	8.4	2
144	Borderline first-order magnetic phase transition in AlFe2B2. *Journal of Alloys and Compounds*, **2021**, 886, 161150	5.7	2
143	Enhancing ferromagnetism in the kinetically arrested LaFe12B6 by partial La/Nd substitution. *Journal of Alloys and Compounds*, **2021**, 884, 161115	5.7	0
142	Free-energy analysis of the nonhysteretic first-order phase transition of Eu2In. *Physical Review B*, **2020**, 102,	3.3	4
141	First-order magnetic phase transition in Pr2In with negligible thermomagnetic hysteresis. *Physical Review B*, **2020**, 101,	3.3	13
140	Unprecedented generation of 3D heterostructures by mechanochemical disassembly and re-ordering of incommensurate metal chalcogenides. *Nature Communications*, **2020**, 11, 3005	17.4	5
139	Magnetic structure of selected Gd intermetallic alloys from first principles. *Physical Review B*, **2020**, 101,	3.3	3
138	From a conventional ferromagnetism to a frustrated magnetism: An unexpected role of Fe in Nd(Al1-xFex)2 (x ≤ 0.2). *Journal of Alloys and Compounds*, **2020**, 830, 154613	5.7	2

137	Magnetic and transport behaviors of non-centrosymmetric Nd7Ni2Pd. *AIP Advances*, **2020**, 10, 015103	1.5	1
136	Mechanochemical recovery of Co and Li from LCO cathode of lithium-ion battery. *Journal of Alloys and Compounds*, **2020**, 824, 153876	5.7	17
135	The effect of cooling rate on magnetothermal properties of Fe49Rh51. *Journal of Magnetism and Magnetic Materials*, **2020**, 498, 166130	2.8	23
134	Metamagnetic transition, magnetocaloric effect and electronic structure of the rare-earth anti-perovskite SnOEu3. *Journal of Magnetism and Magnetic Materials*, **2020**, 501, 166405	2.8	3
133	Low-Temperature Crystal Structure and Mean-Field Modeling of ErxDy1−xAl2 Intermetallics. *Metals* , **2020**, 10, 1662	2.3	0
132	Investigating the effect of ligand and cation on the properties of metal fluorinated acetylacetonate based magnetic ionic liquids. *New Journal of Chemistry*, **2019**, 43, 11334-11341	3.6	7
131	Giant enhancement of the magnetocaloric response in Ni□CoMnTi by rapid solidification. *Acta Materialia*, **2019**, 173, 225-230	8.4	42
130	Magnetocaloric effect of gadolinium in high magnetic fields. *Physical Review B*, **2019**, 99,	3.3	31
129	Magnetostructural behavior in the non-centrosymmetric compound NdPd. *Journal of Physics Condensed Matter*, **2019**, 31, 265801	1.8	2
128	Antiferromagnetism of □Ce under hydrostatic pressure. *Solid State Communications*, **2019**, 294, 36-38	1.6	
127	Designed materials with the giant magnetocaloric effect near room temperature. *Acta Materialia*, **2019**, 180, 341-348	8.4	41
126	Managing hysteresis of Gd5Si2Ge2 by magnetic field cycling. *Journal of Applied Physics*, **2019**, 126, 243902	2.5	8
125	The first-order magnetoelastic transition in Eu2In: A 151Eu Mössbauer study. *AIP Advances*, **2019**, 9, 125137	1.5	2
124	Anomalous effects of Sc substitution and processing on magnetism and structure of (Gd1−xScx)5Ge4. *Journal of Magnetism and Magnetic Materials*, **2019**, 474, 482-492	2.8	1
123	Magnetic and magnetocaloric properties of DyCo2Cx alloys. *Journal of Alloys and Compounds*, **2019**, 777, 152-156	5.7	6
122	Anomalous specific heat and magnetic properties of TmxDy1-xAl2 (0≤x≤1). *Journal of Alloys and Compounds*, **2019**, 774, 321-330	5.7	3
121	Influence of the starting temperature of calorimetric measurements on the accuracy of determined magnetocaloric effect. *Journal of Magnetism and Magnetic Materials*, **2018**, 457, 64-69	2.8	8
120	Material-based figure of merit for caloric materials. *Journal of Applied Physics*, **2018**, 123, 034902	2.5	119

119	Magnetostructural phase transitions and magnetocaloric effect in (Gd5-xScx)Si1.8Ge2.2. *Acta Materialia*, **2018**, 145, 369-376	8.4	20
118	Best practices in evaluation of the magnetocaloric effect from bulk magnetization measurements. *Journal of Magnetism and Magnetic Materials*, **2018**, 458, 301-309	2.8	38
117	Magnetic properties of Gd intermetallics. *Journal of Magnetism and Magnetic Materials*, **2018**, 448, 9-12	2.8	3
116	Non-hysteretic first-order phase transition with large latent heat and giant low-field magnetocaloric effect. *Nature Communications*, **2018**, 9, 2925	17.4	54
115	Controlling magnetism via transition metal exchange in the series of intermetallics Eu(T1,T2)5In (T = Cu, Ag, Au). *Journal of Materials Chemistry C*, **2018**, 6, 1353-1362	7.1	1
114	Manipulating the stability of crystallographic and magnetic sub-lattices: A first-order magnetoelastic transformation in transition metal based Laves phase. *Acta Materialia*, **2018**, 154, 365-374	8.4	19
113	Crystallographic and compositional contributions to the breakdown of the GdNi1−xCox solid solution. *Journal of Alloys and Compounds*, **2017**, 696, 382-390	5.7	1
112	Anisotropy induced anomalies in Dy1−xTbxAl2. *Journal of Materials Chemistry C*, **2017**, 5, 896-901	7.1	6
111	Magnetocaloric Behavior in Ternary Europium Indides EuT5In: Probing the Design Capability of First-Principles-Based Methods on the Multifaceted Magnetic Materials. *Chemistry of Materials*, **2017**, 29, 2599-2614	9.6	20
110	EuNi5InH1.5−x (x = 0−1.5): hydrogen induced structural and magnetic transitions. *Journal of Materials Chemistry C*, **2017**, 5, 2994-3006	7.1	8
109	Enhancing Magnetic Functionality with Scandium: Breaking Stereotypes in the Design of Rare Earth Materials. *Chemistry of Materials*, **2017**, 29, 3962-3970	9.6	11
108	Magnetic and magnetocaloric properties of spin-glass material DyNi0.67Si1.34. *Journal of Magnetism and Magnetic Materials*, **2017**, 436, 91-96	2.8	3
107	Synthesis and characterization of low viscosity hexafluoroacetylacetonate-based hydrophobic magnetic ionic liquids. *New Journal of Chemistry*, **2017**, 41, 5498-5505	3.6	42
106	Ultrafast terahertz snapshots of excitonic Rydberg states and electronic coherence in an organometal halide perovskite. *Nature Communications*, **2017**, 8, 15565	17.4	50
105	Breaking the paradigm: record quindecim charged magnetic ionic liquids. *Materials Horizons*, **2017**, 4, 217-221	14.4	15
104	Open-Framework Manganese(II) and Cobalt(II) Borophosphates with Helical Chains: Structures, Magnetic, and Luminescent Properties. *Inorganic Chemistry*, **2017**, 56, 11104-11112	5.1	14
103	On the edge of periodicity: Unconventional magnetism of Gd117Co56.4Sn114.3. *Journal of Alloys and Compounds*, **2017**, 726, 758-764	5.7	1
102	Role of 4f electrons in crystallographic and magnetic complexity. *Physical Review B*, **2017**, 96,	3.3	7

101	Crystal, magnetic, calorimetric and electronic structure investigation of GdScGe Sb compounds. *Journal of Physics Condensed Matter*, **2017**, 29, 485802	1.8	8
100	The effect of boron doping on crystal structure, magnetic properties and magnetocaloric effect of DyCo2. *Journal of Magnetism and Magnetic Materials*, **2016**, 405, 122-128	2.8	10
99	Tunable magnetism and structural transformations in mixed light- and heavy-lanthanide dialuminides. *Physical Review B*, **2016**, 94,	3.3	4
98	Balancing structural distortions via competing 4f and itinerant interactions: a case of polymorphism in magnetocaloric HoCo2. *Journal of Materials Chemistry C*, **2016**, 4, 4521-4531	7.1	20
97	Magnetostructural phase transformations in Tb1□Mn2. *Journal of Materials Chemistry C*, **2015**, 3, 2422-2430	7.1	4
96	The nano-microfibrous R11Ni4In9 intermetallics: New compounds and extraordinary anisotropy in Tb11Ni4In9 and Dy11Ni4In9. *Acta Materialia*, **2015**, 91, 128-140	8.4	9
95	Cation-Poor Complex Metallic Alloys in Ba(Eu)-Au-Al(Ga) Systems: Identifying the Keys that Control Structural Arrangements and Atom Distributions at the Atomic Level. *Inorganic Chemistry*, **2015**, 54, 10296-10308	5.1	23
94	Magnetic and magnetothermal properties, and the magnetic phase diagram of single-crystal holmium along the easy magnetization direction. *Journal of Physics Condensed Matter*, **2015**, 27, 146002	1.8	19
93	Correlations between magnetism, microstructure, crystallography, and phase stability in GdNi1□Co alloys. *Acta Materialia*, **2015**, 92, 18-24	8.4	4
92	Complex Magnetism of Lanthanide Intermetallics and the Role of their Valence Electrons: Ab□nitio Theory and Experiment. *Physical Review Letters*, **2015**, 115, 207201	7.4	15
91	Self-assembled nano- to micron-size fibers from molten R11Ni4In9 intermetallics. *Acta Materialia*, **2014**, 73, 27-36	8.4	8
90	The nature of the first order isostructural transition in GdRhSn. *Journal of Alloys and Compounds*, **2014**, 613, 280-287	5.7	15
89	Magnetic and magnetothermal properties and the magnetic phase diagram of high purity single crystalline terbium along the easy magnetization direction. *Journal of Physics Condensed Matter*, **2014**, 26, 066001	1.8	14
88	In situ X-ray powder diffraction study of Ho5Ge4. *Journal of Applied Physics*, **2014**, 115, 17E105	2.5	1
87	Growth and characterization of Pt-protected Gd5Si4 thin films. *Journal of Applied Physics*, **2014**, 115, 17C113	2.5	9
86	On the magnetic order of Gd5Ge3. *Journal of Applied Physics*, **2014**, 115, 17A901	2.5	3
85	R5T4 Compounds. *Fundamental Theories of Physics*, **2014**, 44, 283-449	0.8	5
84	Antiferromagnetic cluster spin-glass behavior in Pr117Co54.5Sn115.2 □A compound with a giant unit cell. *Journal of Alloys and Compounds*, **2014**, 600, 101-106	5.7	11

83	Electronic contribution to the enhancement of the ferromagnetic ordering temperature by Si substitution in Gd5(SixGe1□)4. *Physical Review B*, **2013**, 88,	3.3	12
82	Unexpected crystal and magnetic structures in MnCu4In and MnCu4Sn. *Acta Materialia*, **2013**, 61, 2236-2243	4	3
81	Ferromagnetic ordering and Griffiths-like phase behavior in Gd5Ge3.9Al0.1. *Journal of Applied Physics*, **2013**, 114, 063904	2.5	4
80	Structural disorder and magnetism in rare-earth (R) R117Co54+xSn112□y. *Journal of Alloys and Compounds*, **2013**, 557, 252-260	5.7	14
79	Short-range magnetic correlations and parimagnetism in RCo2. *European Physical Journal B*, **2013**, 86, 1	1.2	7
78	Unusual magnetic and structural transformations of DyFe4Ge2. *Physical Review B*, **2013**, 88,	3.3	7
77	Identifying the critical point of the weakly first-order itinerant magnet DyCo2 with complementary magnetization and calorimetric measurements. *Physical Review B*, **2013**, 87,	3.3	17
76	Effects of mechanical grinding and low temperature annealing on crystal structure of Er5Si4. *Journal of Alloys and Compounds*, **2013**, 556, 127-134	5.7	2
75	Crystal structure, magnetic properties, and the magnetocaloric effect of Gd5Rh4 and GdRh. *Journal of Applied Physics*, **2013**, 113, 17A904	2.5	3
74	Anomalous Schottky specific heat and structural distortion in ferromagnetic PrAl2. *Physical Review Letters*, **2013**, 110, 186405	7.4	26
73	Unusual magnetic frustration in Lu-doped Gd5Ge4. *Journal of Applied Physics*, **2013**, 113, 17E104	2.5	8
72	On the nature of the magnetocaloric effect of the first-order magnetostructural transition. *Scripta Materialia*, **2012**, 67, 572-577	5.6	137
71	Barocaloric effect in the magnetocaloric prototype Gd5Si2Ge2. *Applied Physics Letters*, **2012**, 101, 071906	3.4	102
70	Structure evolution and dielectric behavior of polystyrene-capped barium titanate nanoparticles. *Journal of Materials Chemistry*, **2012**,		10
69	Crystal structure of Tb5Ni2In4 and Y5Ni2In4, and magnetic properties of Dy5Ni2In4. *Journal of Applied Physics*, **2012**, 111, 07E122	2.5	11
68	Low-temperature crystal structure and magnetic properties of Gd5Ge3. *Physical Review B*, **2012**, 85,	3.3	11
67	Magnetic and structural properties of single-crystalline Er5Si4. *Physical Review B*, **2012**, 85,	3.3	8
66	Magnetic properties of Gd2C: Experiment and first principles calculations. *Journal of Applied Physics* , **2011**, 109, 07A924	2.5	12

65	Extraordinary Responsive Intermetallic Compounds: the R5T4 Family (R = Rare Earth, T = Group 13–15 Element). *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2011**, 637, 1948-1956	1.3	17
64	The role of demagnetization factor in determining the "true" value of the Curie temperature. *Journal of Magnetism and Magnetic Materials*, **2011**, 323, 2453-2457	2.8	24
63	Electronic structure, magnetic properties, and magnetostructural transition in Tb5Si2.2Ge1.8 from first principles. *Physical Review B*, **2011**, 84,	3.3	10
62	Magnetism of Ho1−xTbxAl2 alloys: Critical dependence of a first-order transition on Tb concentration. *Physical Review B*, **2011**, 84,	3.3	6
61	Effect of Si doping and applied pressure upon magnetostructural properties of Tb5(SixGe1−x)4 magnetocaloric compounds. *Physical Review B*, **2011**, 83,	3.3	6
60	Use of Stevens coefficients for the prediction of magnetic transitions in pseudobinary R1−xRx'Al2 alloys: Application to Tm1−xTbxAl2. *Physical Review B*, **2011**, 83,	3.3	12
59	Controlling magnetism of a complex metallic system using atomic individualism. *Physical Review Letters*, **2010**, 105, 066401	7.4	30
58	Magnetostructural properties of Ho5(Si0.8Ge0.2)4. *Physical Review B*, **2010**, 81,	3.3	17
57	Magnetic, thermal, and transport properties of the mixed-valent vanadium oxides LuV4O8 and YV4O8. *Physical Review B*, **2010**, 81,	3.3	3
56	Thermally mediated multiferroic composites for the magnetoelectric materials. *Applied Physics Letters*, **2010**, 96, 102902	3.4	15
55	Structural and magnetic transitions in Gd5SixGe4−x (0≤x≤0.9) from neutron powder diffraction. *Physical Review B*, **2010**, 82,	3.3	12
54	Phase relationships, and structural, magnetic, and magnetocaloric properties in the Ce5Si4−xGe5Ge4 system. *Journal of Applied Physics*, **2010**, 107, 013909	2.5	13
53	Experimental and theoretical study of the magnetic and structural properties of Er0.75Tb0.25Al2. *Physical Review B*, **2010**, 82,	3.3	13
52	Influence of Y substitutions on the magnetism of Gd5Ge4. *Journal of Applied Physics*, **2010**, 107, 09A908	2.5	6
51	Magnetostructural transition in Ce(Fe0.975Ga0.025)2 compound. *Journal of Applied Physics*, **2010**, 107, 09E133	2.5	3
50	Enhancement of the glass-forming ability by Zr microalloying and its influence on the magnetocaloric properties of bulk amorphous GdCoAl. *Journal of Applied Physics*, **2010**, 108, 053916	2.5	14
49	Competing crystal and magnetic structures in Gd5Ge4. *Physical Review B*, **2010**, 82,	3.3	10
48	Microstructure and magnetocaloric effect in cast LaFe11.5Si1.5Bx (x=0.5, 1.0). *Journal of Magnetism and Magnetic Materials*, **2010**, 322, 1710-1714	2.8	26

47	Temperature and magnetic field induced structural transformation in Si-doped : An in-field X-ray diffraction study. *Solid State Communications*, **2010**, 150, 879-883	1.6	17
46	Magnetostructural transition in Ho5Ge4. *Physical Review B*, **2009**, 79,	3.3	16
45	Electrical resistivity and magnetoresistance of single-crystal Tb5Si2.2Ge1.8. *Physical Review B*, **2009**, 80,	3.3	10
44	Making the most of the magnetic and lattice entropy changes. *Journal of Magnetism and Magnetic Materials*, **2009**, 321, 3541-3547	2.8	71
43	Influence of the electronic structure on the ductile behavior of B2 CsCl-type AB intermetallics. *Acta Materialia*, **2009**, 57, 5876-5881	8.4	77
42	Magnetostructural transition in Gd5Sb0.5Ge3.5. *Physical Review B*, **2009**, 80,	3.3	11
41	The crystal structures of some RM and RM2 compounds (where R=rare□earth□metal□and□M=non-rare□earth□metal). *Calphad: Computer Coupling of Phase Diagrams and Thermochemistry*, **2009**, 33, 8-10	1.9	4
40	Low temperature properties of some RIn3 compounds. *Journal of Alloys and Compounds*, **2009**, 472, 24-29	5.7	7
39	Phase relationships and crystallography of annealed alloys in the Ce5Si4□Ce5Ge4 pseudobinary system. *Journal of Alloys and Compounds*, **2009**, 487, 98-102	5.7	4
38	Electric transport in R2MGe6 ternary compounds (R = La, Ce, Gd, Tb, Dy, Ho; M = Mn, Ni, Cu). *Journal of Alloys and Compounds*, **2008**, 459, 18-21	5.7	22
37	Oxidation resistance of B2 rare earth□magnesium intermetallic compounds. *Journal of Alloys and Compounds*, **2008**, 460, 363-367	5.7	12
36	Understanding the extraordinary magnetoelastic behavior in GdNi. *Physical Review B*, **2008**, 78,	3.3	17
35	Magnetic spectroscopy at high pressures using X-ray magnetic circular dichroism. *High Pressure Research*, **2008**, 28, 185-192	1.6	16
34	Magnetostructural transition in Gd5Si0.5Ge3.5: Magnetic and x-ray powder diffraction measurements, and theoretical calculations. *Physical Review B*, **2008**, 77,	3.3	32
33	Pressure-induced removal of magnetostructural inhomogeneity in Ge-rich Gd5(SixGe1□)4 giant magnetocaloric alloys. *Physical Review B*, **2008**, 78,	3.3	10
32	Pressure tuning of the magnetic transition in Gd5(Si0.375Ge0.625)4 giant magnetocaloric effect material. *Journal of Applied Physics*, **2008**, 103, 07B301	2.5	14
31	Temperature and magnetic field-dependent x-ray powder diffraction study of dysprosium. *Physical Review B*, **2008**, 77,	3.3	17
30	Linear microstructural features in R5(Si,Ge)4-type alloys: Difficulties in identification. *Acta Materialia*, **2008**, 56, 527-536	8.4	18

29	Role of Ge in bridging ferromagnetism in the giant magnetocaloric Gd5(Ge1-xSix)4 alloys. *Physical Review Letters*, **2007**, 98, 247205	7.4	61
28	Unusual magnetism of Er0.75Dy0.25Al2. *Physical Review B*, **2007**, 76,	3.3	31
27	Effect of hydrostatic pressure upon the magnetic transitions in the Gd5(SixGe1□)4 giant magnetocaloric compounds: X-ray magnetic circular dichroism study. *Physical Review B*, **2007**, 76,	3.3	19
26	Magnetic and structural transitions in Dy5Si3Ge. *Physical Review B*, **2007**, 76,	3.3	24
25	Crystallography, anisotropic metamagnetism, and magnetocaloric effect in Tb5Si2.2Ge1.8. *Physical Review B*, **2007**, 75,	3.3	38
24	Thermal expansion and magnetostriction in Pr(n+2)(n+1)Nin(n□)+2Sin(n+1) compounds. *Journal of Magnetism and Magnetic Materials*, **2006**, 299, 288-299	2.8	4
23	Structural and magnetothermal properties of the Gd5SbxGe4□ system. *Journal of Applied Physics*, **2006**, 99, 08Q102	2.5	12
22	Crystal structure, electrical transport properties and electronic structure of the VFe1□CuxSb solid solution. *Journal of Alloys and Compounds*, **2005**, 402, 30-35	5.7	27
21	Crystal structure and magnetic properties of NdCo9□FexSi4 solid solution. *Journal of Alloys and Compounds*, **2005**, 392, 81-83	5.7	1
20	Magnetic and electrical transport properties of RE9Ni24Sn49 compounds (RE=Y, Ce, Pr, Sm and Tb). *Intermetallics*, **2005**, 13, 484-489	3.5	12
19	Crystal structure-magnetic property relationships of Gd5Ge4 examined by in situ x-ray powder diffraction. *Physical Review B*, **2005**, 72,	3.3	59
18	Specific heat of single-crystal HfV2: Strong-coupling conventional superconductivity and the effect of the martensitic transition. *Physical Review B*, **2005**, 72,	3.3	8
17	Polymorphism of Gd5Si2Ge2: The equivalence of temperature, magnetic field, and chemical and hydrostatic pressures. *Physical Review B*, **2005**, 71,	3.3	33
16	X-ray investigation of the R□eSn ternary systems (R□, Gd). *Journal of Alloys and Compounds*, **2004**, 383, 162-165	5.7	12
15	Magnetic and electrical properties of the stannides RE3Co6Sn5(RE □Sm, Gd, Tb and Dy). *Journal of Physics Condensed Matter*, **2003**, 15, 2515-2522	1.8	4
14	Crystal chemistry and thermoelectric properties of clathrates with rare-earth substitution. *Physica B: Condensed Matter*, **2003**, 328, 44-48	2.8	36
13	Magnetocaloric effect in Er6Ni2Sn. *European Physical Journal D*, **2002**, 52, A205-A208		1
12	Magnetic properties of selected R 6Co2Sn compounds. *European Physical Journal D*, **2002**, 52, A217-A220		

11	Thermoelectricity of clathrate I Si and Ge phases. *Journal of Physics Condensed Matter*, **2002**, 14, 7991-8008	1.8	79
10	Crystal structure and magnetic properties of Tb6Co2.35Sn0.65. *Journal of Alloys and Compounds*, **2002**, 333, 34-40	5.7	6
9	Crystal structure and magnetic properties of RCu5Sn compounds (R=Y, Gd-Yb). *Solid State Communications*, **2001**, 119, 423-427	1.6	5
8	Physical properties and superconductivity of skutterudite-related Yb3Co4.3Sn12.7and Yb3Co4Ge13. *Journal of Physics Condensed Matter*, **2001**, 13, 7391-7402	1.8	20
7	Electrical resistivity and magnetism in some ternary intermetallics. *Journal of Alloys and Compounds* , **2001**, 317-318, 293-296	5.7	15
6	Magnetic and transport properties of Er6Ni2Sn. *Journal of Alloys and Compounds*, **2001**, 319, 14-18	5.7	7
5	{Sm,Er}-Cu-Sn ternary systems. *Journal of Alloys and Compounds*, **2000**, 312, 124-129	5.7	14
4	Magnetic properties of the RCo3Sn (R=Gd to Tm) compounds. *Journal of Alloys and Compounds*, **2000**, 312, 9-11	5.7	6
3	The ternary Er-Co-Sn system. *Journal of Alloys and Compounds*, **2000**, 296, 290-292	5.7	9
2	New RNiSn4 compounds (R=rare earth): crystal structure of new LuNiSn4 type, magnetic and transport properties. *Journal of Alloys and Compounds*, **2000**, 296, 303-311	5.7	7
1	Correlating Crystallography, Magnetism, and Electronic Structure Across Anhysteretic First-Order Phase Transition in Pr2In. *ECS Journal of Solid State Science and Technology*,	2	1