

# Ladislav Havela

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

387 papers	4,855 citations	33 h-index	49 g-index
420 ext. papers	5,215 ext. citations	3.1 avg, IF	4.93 L-index

#	Paper	IF	Citations
387	Coulomb- U and magnetic-moment collapse in EPu. <i>Europhysics Letters</i> , <b>2005</b> , 69, 588-594	1.6	135
386	Systematics across the UTX series (T = Ru, Co, Ni; X = Al, Ga, Sn) of high-field and low-temperature properties of non-ferromagnetic compounds. <i>Physica B: Physics of Condensed Matter &amp; C: Atomic, Molecular and Plasma Physics, Optics</i> , <b>1986</b> , 142, 283-293		105
385	Photoelectron spectroscopy study of the 5f localization in Pu. <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	87
384	A new family of actinide ternary intermetallic compounds. <i>Journal of Alloys and Compounds</i> , <b>1993</b> , 201, 203-208	5.7	84
383	Thermal properties of metamagnetic transition in heavy-fermion systems. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1998</b> , 177-181, 271-276	2.8	76
382	5f-electron localization in PuSe and PuSb. <i>Physical Review Letters</i> , <b>2000</b> , 84, 3378-81	7.4	72
381	Chapter 1 Magnetism of ternary intermetallic compounds of uranium. <i>Handbook of Magnetic Materials</i> , <b>1998</b> , 11, 1-289	1.3	72
380	Magnetic ordering in U <sub>2</sub> Pd <sub>2</sub> In and U <sub>2</sub> Pd <sub>2</sub> Sn. <i>Physical Review B</i> , <b>1994</b> , 50, 6792-6801	3.3	64
379	Preparation and photoelectron spectroscopy study of UN <sub>x</sub> thin films. <i>Journal of Alloys and Compounds</i> , <b>2001</b> , 315, 36-41	5.7	63
378	Electronic properties of UNiAl in high magnetic fields. <i>Physical Review B</i> , <b>1994</b> , 49, 8852-8863	3.3	63
377	Giant magnetoresistance effects in intermetallic compounds (invited). <i>Journal of Applied Physics</i> , <b>1994</b> , 76, 6913-6918	2.5	60
376	Evidence for the 5 f localisation in thin Pu layers. <i>Europhysics Letters</i> , <b>2001</b> , 55, 705-711	1.6	57
375	Giant magnetoresistance effects in UNiGa. <i>Journal of Applied Physics</i> , <b>1991</b> , 70, 5794-5796	2.5	57
374	Study of orbital and spin magnetism in UCoAl by polarized neutron diffraction. <i>Physica B: Condensed Matter</i> , <b>1990</b> , 163, 331-334	2.8	56
373	Chapter 4 Intermetallic compounds of actinides. <i>Handbook of Ferromagnetic Materials</i> , <b>1988</b> , 309-491		56
372	Electronic structure and nonmagnetic character of Pu <sub>2</sub> Al alloys. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	54
371	Heavy fermion behavior of U <sub>2</sub> T <sub>2</sub> X compounds. <i>Journal of Applied Physics</i> , <b>1994</b> , 76, 6214-6216	2.5	49

370	Search for higher oxides of Pu: A photoemission study. <i>Surface Science</i> , <b>2007</b> , 601, L77-L80	1.8	47
369	Magnetism in U <sub>2</sub> T <sub>2</sub> X compounds. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1995</b> , 140-144, 1367-1368	2.8	47
368	Magnetic, electrical, and specific-heat properties of UPdSn and UAuSn. <i>Physica B: Condensed Matter</i> , <b>1992</b> , 176, 275-287	2.8	47
367	Nature of non-magnetic strongly-correlated state in $\delta$ -Pu. <i>Europhysics Letters</i> , <b>2006</b> , 74, 479-485	1.6	46
366	Bulk and Young's modulus of doped UO <sub>2</sub> by synchrotron diffraction under high pressure and Knoop indentation. <i>Journal of Nuclear Materials</i> , <b>2004</b> , 324, 189-197	3.3	46
365	Multiplet effects in the electronic structure of $\delta$ -Pu, Am and their compounds. <i>Europhysics Letters</i> , <b>2007</b> , 77, 17003	1.6	45
364	5f-ligand hybridization and magnetism in UTX compounds. <i>Physica B: Condensed Matter</i> , <b>1990</b> , 163, 103-106	2.8	45
363	Magnetic anisotropy in UTX compounds. <i>Physica B: Condensed Matter</i> , <b>1992</b> , 177, 159-163	2.8	44
362	Characterization of cubic $\delta$ -phase uranium molybdenum alloys synthesized by ultrafast cooling. <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 534, 101-109	5.7	41
361	U ternaries with ZrNiAl structure lattice properties. <i>Journal of Alloys and Compounds</i> , <b>2001</b> , 322, 7-13	5.7	40
360	Specific heat and magnetic behavior of UTGe compounds. <i>Journal of Applied Physics</i> , <b>1990</b> , 67, 5215-5217	2.5	39
359	Effects of external pressure on the 5f-band metamagnetism in UCoAl. <i>Physical Review B</i> , <b>1997</b> , 55, 5847-5850	3.9	38
358	Photoelectron spectroscopy study of PuN. <i>Physical Review B</i> , <b>2003</b> , 68,	3.3	38
357	Magnetic behaviour of RCuAl compounds. <i>Journal of Alloys and Compounds</i> , <b>1998</b> , 264, 38-42	5.7	37
356	Specific heat of $\delta$ -Pu stabilized by Am. <i>Physical Review Letters</i> , <b>2006</b> , 96, 156404	7.4	35
355	X-ray diffraction on nanocrystalline Ti <sub>1-x</sub> Al <sub>x</sub> N thin films. <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 378, 107-111	5.7	34
354	Hybridization effects in U <sub>2</sub> T <sub>2</sub> X compounds: Magnetic structures of U <sub>2</sub> Rh <sub>2</sub> Sn and U <sub>2</sub> Ni <sub>2</sub> In. <i>Physical Review B</i> , <b>1996</b> , 53, 3263-3271	3.3	33
353	UPdIn: A New Magnetic Heavy-Fermion Compound. <i>Europhysics Letters</i> , <b>1988</b> , 7, 177-183	1.6	33

352	ThMn-type phases for magnets with low rare-earth content: Crystal-field analysis of the full magnetization process. <i>Scientific Reports</i> , <b>2018</b> , 8, 3595	4.9	32
351	Electronic structure and spectral properties of Am, Cm, and Bk: Charge-density self-consistent LDA+HIA calculations in the FP-LAPW basis. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	32
350	5f band metamagnetism in UCoAl: Effects of alloying and pressure. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1997</b> , 169, 229-239	2.8	32
349	On the magnetic behaviour of some UvT compounds (v ev Al, Ga, Sn; T ev Transition metal). <i>Journal of the Less Common Metals</i> , <b>1986</b> , 121, 169-174		32
348	Hydrogen absorption-desorption, crystal structure and magnetism in RENiAl intermetallic compounds and their hydrides. <i>Journal of Alloys and Compounds</i> , <b>1997</b> , 253-254, 343-346	5.7	31
347	Ferromagnetism in the UCo <sub>1-x</sub> Ru <sub>x</sub> Al quasiternary intermetallics. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , <b>1997</b> , 75, 827-844		30
346	Corrosion and dissolution studies of UO <sub>2</sub> containing $\beta$ -emitters. <i>Radiochimica Acta</i> , <b>2002</b> , 90, 597-602	1.9	29
345	Magnetism and specific heat of UIrGa <sub>5</sub> and UPdGa <sub>5</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , <b>1992</b> , 104-107, 11-12	2.8	29
344	Magnetic transitions in UNiGa. <i>Journal of Applied Physics</i> , <b>1991</b> , 69, 4813-4815	2.5	29
343	Electronic properties of EU and superconductivity of UMo alloys. <i>Physica C: Superconductivity and Its Applications</i> , <b>2014</b> , 498, 14-20	1.3	28
342	Magnetic properties of RCuAl and RNiAl compounds. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1995</b> , 140-144, 1139-1140	2.8	28
341	Hybridization and magnetism in U(Ru, Rh)X, X=Al, Ga. <i>Physica B: Condensed Matter</i> , <b>1992</b> , 177, 164-168	2.8	28
340	Magnetocaloric properties of distilled gadolinium: Effects of structural inhomogeneity and hydrogen impurity. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 242402	3.4	26
339	Character of 5f states in the Pu-Am system from magnetic susceptibility, electrical resistivity, and photoelectron spectroscopy measurements. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	26
338	Transport properties of the anisotropic itinerant-electron metamagnet UCoAl. <i>Physical Review B</i> , <b>2000</b> , 62, 13852-13855	3.3	26
337	Giant magnetoresistance and magnetic phase diagram of UNiGa. <i>Journal of Applied Physics</i> , <b>1996</b> , 79, 6396	2.5	26
336	Nonmagnetic ground state of PuO <sub>2</sub> . <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	25
335	Real structure and magnetic properties of UN thin films. <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 386, 87-95	5.7	25

334	High-field magnetization of U <sub>2</sub> T <sub>2</sub> X compounds (T = Co, Ni, Rh, Pd, Ir, Pt and X = In, Sn). <i>Physica B: Condensed Matter</i> , <b>1994</b> , 201, 247-250	2.8	25
333	UTX compounds in high magnetic fields. <i>Physica B: Condensed Matter</i> , <b>1990</b> , 163, 175-178	2.8	25
332	Antiferromagnetic correlations in UNiAl. <i>Physica B: Condensed Matter</i> , <b>1990</b> , 163, 313-316	2.8	25
331	Lattice anisotropy in uranium ternary compounds: UTX. <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 522, 130-135	5.7	24
330	Study of decomposition and stabilization of splat-cooled cubic $\epsilon$ phase U <sub>1-x</sub> Mo alloys. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 580, 223-231	5.7	24
329	Commensurate and incommensurate magnetic structures of UNiGe. <i>Physical Review B</i> , <b>1996</b> , 54, 7201-7209	3.9	24
328	The role of hybridization in U(Ru,Rh)Al. <i>Journal of Applied Physics</i> , <b>1988</b> , 63, 3064-3066	2.5	23
327	Magnetic Properties of UGaNi. <i>Physica Status Solidi A</i> , <b>1984</b> , 81, 307-311		23
326	Hydrogen absorption in U <sub>3</sub> Si <sub>2</sub> and its impact on electronic properties. <i>Journal of Nuclear Materials</i> , <b>2017</b> , 487, 418-423	3.3	22
325	Specific heat and magnetocaloric effect in UNiGa. <i>Physica B: Condensed Matter</i> , <b>1993</b> , 186-188, 775-777	2.8	22
324	. <i>IEEE Transactions on Magnetism</i> , <b>1994</b> , 30, 1214-1216	2	21
323	Anisotropy of magnetism in actinide and lanthanide intermetallics. <i>Journal of Alloys and Compounds</i> , <b>1994</b> , 207-208, 221-228	5.7	21
322	Magnetocaloric Behavior in Ternary Europium Indides EuT <sub>5</sub> In: Probing the Design Capability of First-Principles-Based Methods on the Multifaceted Magnetic Materials. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 2599-2614	9.6	20
321	Electronic properties of $\epsilon$ UH stabilized by Zr. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	20
320	Ferromagnetism with TC=200 K in the amorphous 5f compound UH <sub>3</sub> Mo <sub>0.18</sub> . <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	20
319	Magnetic properties and crystal structure of HoNiAl and UNiAl hydrides. <i>Journal of Applied Physics</i> , <b>2000</b> , 87, 6815-6817	2.5	20
318	Influence of Y, Fe and Co substitutions on electronic properties of UNiAl. <i>Physica B: Condensed Matter</i> , <b>1990</b> , 163, 379-381	2.8	20
317	Superzone Gap Formation Evidenced by Specific Heat in UNiGa. <i>Journal of the Physical Society of Japan</i> , <b>1996</b> , 65, 3312-3316	1.5	19

316	Magnetic phase diagram of UNiGa. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1995</b> , 140-144, 1379-1388	3.3	19
315	Hall effect and thermoelectric power in UNiGa. <i>Physical Review B</i> , <b>1996</b> , 54, 15330-15334	3.3	19
314	Low-temperature magnetic structure of UNiGe. <i>Physical Review B</i> , <b>1996</b> , 53, 758-765	3.3	19
313	Magnetic phases in unige. <i>Journal of Alloys and Compounds</i> , <b>1994</b> , 213-214, 536-539	5.7	19
312	Influence of Hydrogen on the Magnetic Properties of the U-Co System. <i>Physica Status Solidi A</i> , <b>1986</b> , 98, K47-K51		19
311	Band metamagnetism and related phenomena in Er(Co <sub>1-x</sub> Si <sub>x</sub> ) <sub>2</sub> . <i>Journal of Applied Physics</i> , <b>1997</b> , 81, 4221-4223	2.5	18
310	Surface electronic structure of UGax films. <i>Journal of Alloys and Compounds</i> , <b>2001</b> , 314, 7-14	5.7	18
309	High-field magnetization studies of some U <sub>2</sub> T <sub>2</sub> X compounds. <i>Physica B: Condensed Matter</i> , <b>1995</b> , 211, 142-144	2.8	18
308	Magnetic anisotropy of UCoGa. <i>Journal of Applied Physics</i> , <b>1993</b> , 73, 6554-6556	2.5	18
307	Probing the exchange coupling in the complex modified Ho-Fe-B compounds by high-field magnetization measurements. <i>AIP Advances</i> , <b>2018</b> , 8, 125223	1.5	18
306	Impact of hydrogen absorption on crystal structure and magnetic properties of geometrically frustrated Nd <sub>2</sub> Ni <sub>2</sub> In. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 566, 22-30	5.7	17
305	Magnetic properties of non-stoichiometric UNiGa. <i>Journal of Alloys and Compounds</i> , <b>1995</b> , 224, 244-248	5.7	17
304	Complex antiferromagnetic order of CeCuSn. <i>Journal of Alloys and Compounds</i> , <b>1994</b> , 207-208, 245-248	5.7	17
303	Magnetic and crystallographic structures in UTX intermetallic compounds. <i>Journal of Alloys and Compounds</i> , <b>1994</b> , 213-214, 528-532	5.7	17
302	Development of the ground state within the UTSi system. <i>Journal of Applied Physics</i> , <b>1991</b> , 69, 4702-4704	4.5	17
301	High resolution photoemission on UPdSn and UNiAl. <i>Journal of Alloys and Compounds</i> , <b>1992</b> , 181, 205-210	5.7	17
300	Magnetic properties of UGaCo. <i>Physica Status Solidi A</i> , <b>1984</b> , 82, 191-194		17
299	Tailoring the ferrimagnetic-to-ferromagnetic transition field by interstitial and substitutional atoms in the RBe compounds. <i>Intermetallics</i> , <b>2019</b> , 112, 106546	3.5	16

298	Racah materials: role of atomic multiplets in intermediate valence systems. <i>Scientific Reports</i> , <b>2015</b> , 5, 15429	4.9	16
297	RNiAl hydrides and their magnetic properties. <i>Journal of Alloys and Compounds</i> , <b>1997</b> , 262-263, 206-210	5.7	16
296	Magnetic properties of UFeGe. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1998</b> , 177-181, 47-48	2.8	16
295	Structure and magnetism of thin UX layers. <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 408-412, 1320-1323	5.7	16
294	Giant magnetoresistance effects in 5f-materials. <i>Physica B: Condensed Matter</i> , <b>1996</b> , 223-224, 245-250	2.8	16
293	Magnetic properties of UXCo X=Sn, Al, Ga. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1986</b> , 54-57, 551-552	2.8	16
292	Structure, Electrical Resistivity and Superconductivity of Low-alloyed $\text{UJ}$ Phase Retained to Low Temperatures by Means of Rapid Cooling. <i>Acta Metallurgica Sinica (English Letters)</i> , <b>2016</b> , 29, 388-398	2.5	16
291	Large hydrogen capacity in hydrides $\text{R}_2\text{Ni}_2\text{InB}$ (R=La, Ce, Pr, Nd) with new structure type. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 477, 182-187	5.7	15
290	5f-band metamagnetism in UCoAl. <i>Physica B: Condensed Matter</i> , <b>1997</b> , 230-232, 98-101	2.8	15
289	Influence of external pressure on thermal expansion and electrical resistivity of $\text{UNi}_2\text{Si}_2$ single crystals. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1998</b> , 177-181, 49-50	2.8	15
288	Hydrogen sorption properties of intermetallic TbNiAl and crystal structure of TbNiAlD1.1. <i>Journal of Alloys and Compounds</i> , <b>1998</b> , 279, L4-L7	5.7	15
287	Peculiarities of $\text{U}_2\text{T}_2\text{X}$ hydrides. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2007</b> , 310, 945-947	2.8	15
286	Variability of 5f states in plutonium carbides. <i>Journal of Physics Condensed Matter</i> , <b>2007</b> , 19, 476201	1.8	15
285	Examples of Quantification in XPS on 5f Materials. <i>Mikrochimica Acta</i> , <b>2002</b> , 138, 207-215	5.8	15
284	Synthesis and electronic properties of $\text{ThB}$ films. <i>Journal of Alloys and Compounds</i> , <b>2002</b> , 336, 73-76	5.7	15
283	Properties of $\text{UNiAlD}_{2.1}$ and $\text{UNiAlH}_{2.3}$ . <i>Physica B: Condensed Matter</i> , <b>2000</b> , 276-278, 706-707	2.8	15
282	Magnetoresistance in actinide and lanthanide intermetallics. <i>Journal of Alloys and Compounds</i> , <b>1994</b> , 207-208, 249-253	5.7	15
281	Magnetostructural phase transitions and magnetocaloric effect in Tb-Dy-Ho-Co-Al alloys with a Laves phase structure. <i>Journal of Applied Physics</i> , <b>2016</b> , 120, 013901	2.5	15



- 280 Effect of hydrogenation on the crystal structure of La<sub>2</sub>Pd<sub>2</sub>In. *Journal of Alloys and Compounds*, **2011**, 509, 4185-4189 5.7 14
- 279 Magnetic Phase Transitions and Magnetoelastic Phenomena in UNiGa under Pressure. *Journal of the Physical Society of Japan*, **1997**, 66, 1904-1907 1.5 14
- 278 Magnetic response function in URhAl. *Physica B: Condensed Matter*, **1997**, 230-232, 89-91 2.8 14
- 277 Effect of hydrogenation on crystal structure and magnetic properties of U<sub>2</sub>Si(T=Pd,Ni) intermetallics. *Physical Review B*, **2002**, 66, 3.3 14
- 276 Ferromagnetism in the U<sub>1-x</sub>Y<sub>x</sub>CoAl system. *Journal of Magnetism and Magnetic Materials*, **1999**, 196-197, 658-659 2.8 14
- 275 Magnetic properties of UCo<sub>1-x</sub>Bu<sub>x</sub>Sn solid solutions. *Journal of Magnetism and Magnetic Materials*, **1995**, 140-144, 1383-1384 2.8 14
- 274 Electronic properties of U<sub>2</sub>Ni<sub>2</sub>Sn. *Journal of Magnetism and Magnetic Materials*, **1995**, 140-144, 1369-1370 2.8 14
- 273 5f magnetism in (U,Th)CoSn. *Journal of Applied Physics*, **1988**, 63, 3070-3072 2.5 14
- 272 MAGNETIC PROPERTIES OF URuAl AND URhAl SINGLE CRYSTALS. *Journal De Physique Colloque*, **1988**, 49, C8-485-C8-486 14
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- 269 Effect of hydrogenation on magnetism of U<sub>2</sub>Co<sub>2</sub>Sn. *Physica B: Condensed Matter*, **2005**, 359-361, 1042-1044 2.8 13
- 268 Giant magnetoresistance in intermetallics. *IEEE Transactions on Magnetics*, **1996**, 32, 4687-4691 2 13
- 267 Composition and volume dependence of magnetism in URu<sub>1-x</sub>Rh<sub>x</sub>Al and URuAl<sub>1-x</sub>Sn. *Journal of Magnetism and Magnetic Materials*, **1996**, 157-158, 694-695 2.8 13
- 266 Magnetic anisotropy in UTX compounds. *Journal of Alloys and Compounds*, **1992**, 181, 179-184 5.7 13
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- 264 Magnetic phase transitions in TmCu<sub>2</sub>. *Journal of Physics F: Metal Physics*, **1986**, 16, L201-L204 13
- 263 Magnetic hysteresis phenomena in high T<sub>c</sub> superconductors. *European Physical Journal D*, **1987**, 37, 660-664 13



- 262 The loss of ferromagnetism in (Uv)Ga<sub>2</sub> (v = Y, Gd). *Journal of the Less Common Metals*, **1986**, 121, 163-167 13
- 261 RENi<sub>9</sub>In<sub>2</sub> (RE = Rare-Earth Metal): Crystal Chemistry, Hydrogen Absorption, and Magnetic Properties. *European Journal of Inorganic Chemistry*, **2014**, 2014, 2631-2642 2.3 12
- 260 Magnetism and related phenomena in RE(Co<sub>1-x</sub>Si<sub>x</sub>)<sub>2</sub> compounds. *Journal of Alloys and Compounds*, **1997**, 262-263, 141-146 5.7 12
- 259 UPd<sub>3</sub> under high pressure: Lattice properties. *Physical Review B*, **2003**, 67, 3.3 12
- 258 Evidence for an extended critical region near the metamagnetic transition of UCoAl. *Journal of Applied Physics*, **1998**, 83, 6435-6437 2.5 12
- 257 Metamagnetic transitions and giant magnetoresistance in UNiGe. *Physica B: Condensed Matter*, **1994**, 201, 251-254 2.8 12
- 256 Magnetism of light-actinide intermetallics. *Journal of Magnetism and Magnetic Materials*, **1992**, 104-107, 7-10 2.8 12
- 255 On the magnetic structure of UNiGa. *Journal of Magnetism and Magnetic Materials*, **1992**, 104-107, 21-222.8 12
- 254 Variations of magnetic properties of UGa<sub>2</sub> under pressure. *Physical Review B*, **2015**, 91, 3.3 11
- 253 Magnetic properties of plutonium and Pu compounds. *Journal of Applied Physics*, **2009**, 105, 07E130 2.5 11
- 252 Magnetism in hydrogen-doped compounds. *Physica B: Condensed Matter*, **2006**, 378-380, 983-984 2.8 11
- 251 Magnetic properties of diluted band ferromagnet URhAl. *Physical Review B*, **2004**, 69, 3.3 11
- 250 Specific heat of TbMn<sub>2</sub>(H,D)<sub>2</sub>. *Physica B: Condensed Matter*, **2005**, 355, 202-206 2.8 11
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- 247 The development towards heavy-fermion ground state in UTX compounds. *Journal of Magnetism and Magnetic Materials*, **1988**, 76-77, 89-90 2.8 11
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- 245 Electronic properties of UNi(Al,Ga). *Journal of Applied Physics*, **1988**, 63, 3067-3069 2.5 11

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243	Pressure effect on the crystal lattice of unconventional superconductor UCoGe. <i>Journal of Physics Condensed Matter</i> , <b>2010</b> , 22, 275603	1.8	10
242	Development of magnetism in the UNi <sub>1-x</sub> Ru <sub>x</sub> Al quasiternary intermetallics. <i>Physica B: Condensed Matter</i> , <b>1998</b> , 246-247, 468-471	2.8	10
241	Microscopic measurements on the band 5f-metamagnetism in UCoAl. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2001</b> , 234, 207-212	2.8	10
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239	ELECTRONIC PROPERTIES OF UCo <sub>4</sub> B. <i>International Journal of Modern Physics B</i> , <b>1993</b> , 07, 838-841	1.1	10
238	Structure, transport and thermal properties of UCoGa. <i>Journal of Applied Physics</i> , <b>1994</b> , 76, 7040-7042	2.5	10
237	<sup>119</sup> Sn Mössbauer spectroscopy of U x Th <sub>1-x</sub> CoSn and UCoAl <sub>1-x</sub> Sn x. <i>Hyperfine Interactions</i> , <b>1989</b> , 51, 943-947	0.8	10
236	Magnetic behaviour of UCoAl <sub>1-x</sub> Sn <sub>x</sub> . <i>Hyperfine Interactions</i> , <b>1990</b> , 59, 395-398	0.8	10
235	Structure and magnetism of new R <sub>2</sub> Cu <sub>2</sub> In hydrides (R = Ce, Gd). <i>Chemistry of Metals and Alloys</i> , <b>2008</b> , 1, 46-49	1	10
234	f-Element hydrides: structure and magnetism. <i>International Journal of Materials Research</i> , <b>2009</b> , 100, 1182-1186	0.5	10
233	Characterization of defects in titanium created by hydrogen charging. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 22557-22563	6.7	10
232	Ferromagnetism in 5f-band metamagnet UCoAl induced by Os doping. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 681, 275-282	5.7	10
231	Structure and superconducting transition in splat-cooled U <sub>1-x</sub> Ti <sub>x</sub> alloys (T = Mo, Pd, Pt). <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 645, 158-163	5.7	9
230	Unusual 5f magnetism in the U <sub>2</sub> Fe <sub>3</sub> Ge ternary Laves phase: a single crystal study. <i>Journal of Physics Condensed Matter</i> , <b>2013</b> , 25, 066010	1.8	9
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224	Photoelectron spectroscopy study of PuCoGa5 thin films. <i>Journal of Nuclear Materials</i> , <b>2009</b> , 385, 8-10	3.3	9
223	Anisotropic exchange interactions in UNiGe. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1998</b> , 177-181, 785-786	2.8	9
222	UCoSiH0.7: new representative of UTSiHx hydrides. <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 383, 103-107	5.7	9
221	Photoemission study of $\beta$ Pu with Am doping. <i>Physica B: Condensed Matter</i> , <b>2005</b> , 359-361, 1090-1092	2.8	9
220	Hydrogen-induced changes in TbNiAl. <i>Journal of Applied Physics</i> , <b>1998</b> , 83, 6986-6988	2.5	9
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210	Theoretical investigation of electronic structure, electric field gradients, and photoemission of PuCoGa5 and PuRhGa5 superconductors. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	8
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193	PrNi and CeNi hydrides with extremely high H-density. <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 402, 95-97	5.7	7
192	Magnetism and transport in UGa <sub>2</sub> single crystal. <i>Physica B: Condensed Matter</i> , <b>1999</b> , 259-261, 238-239	2.8	7
191	Anisotropic hybridization and magnetism in actinide intermetallics. <i>Physica Scripta</i> , <b>1992</b> , T45, 99-102	2.6	7

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178	Magnetic anisotropy and transport properties of actinide intermetallics. <i>Journal of Alloys and Compounds</i> , <b>1994</b> , 213-214, 243-247	5.7	6
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176	Magnetic hyperfine fields on <sup>119</sup> Sn nuclei in uranium compounds. <i>Hyperfine Interactions</i> , <b>1990</b> , 59, 391-394	3.4	6
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