

Ladislav Havela

List of Publications by Year in Descending Order

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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	Electrons and phonons in uranium hydrides - effects of polar bonding. <i>Journal of Nuclear Materials</i> , 2022 , 153817	3.3	0
386	Hydrogen impact on magnetic properties of metallic systems. <i>Journal of Alloys and Compounds</i> , 2021 , 162721	5.7	0
385	Crystal structures and magnetism of the hydrides of Tb ₂ T ₂ Ga and Tb ₃ Co ₃ Ga (T = Co, Ni). <i>Journal of Solid State Chemistry</i> , 2021 , 296, 121978	3.3	1
384	Effect of carbon vacancies and oxygen impurities on the dynamical and thermal properties of uranium monocarbide. <i>Journal of Nuclear Materials</i> , 2021 , 545, 152547	3.3	1
383	In-situ high resolution photoelectron spectroscopy study on interaction of sodium with UO _{2+x} film (0 < x < 1). <i>Journal of Nuclear Materials</i> , 2021 , 545, 152646	3.3	4
382	Role of disorder in magnetic and conducting properties of U _{1-x} Mo _x and U _{1-x} Mo _{1-x} thin films. <i>Materials Chemistry and Physics</i> , 2021 , 260, 124069	4.4	1
381	Insight into the physics of the 5f-band antiferromagnet U ₂ Ni ₂ Sn from the pressure dependence of crystal structure and electrical resistivity. <i>Physical Review B</i> , 2021 , 103,	3.3	1
380	Hydrogen in U-T alloys: Crystal structure and magnetism of UH ₃ -V. <i>Journal of Alloys and Compounds</i> , 2021 , 856, 157406	5.7	1
379	Stability of the 4f-magnetism in Ce ₂ Pd ₂ In under hydrostatic and uniaxial pressure. <i>Journal of Alloys and Compounds</i> , 2021 , 878, 160304	5.7	0
378	Multiple charge density wave states and magnetism in NdPt ₂ Si ₂ against the background of its nonmagnetic analog LaPt ₂ Si ₂ . <i>Physical Review B</i> , 2020 , 101,	3.3	1
377	Hydrogen influence in the UNiAl-UNiGa system: Structure and magnetism. <i>Journal of Alloys and Compounds</i> , 2020 , 845, 155606	5.7	1
376	Complex interplay of magnetic interactions in 5f-electron systems: The case of U ₂ Ni ₂ Sn. <i>Physical Review B</i> , 2020 , 101,	3.3	3
375	Magnetic phase diagram of the antiferromagnet U ₂ Rh ₂ Pb. <i>Journal of Alloys and Compounds</i> , 2020 , 823, 153485	5.7	0
374	Microscopic nature of drastic influence of hydrogen on the magnetic anisotropy of 5f-electron systems: The case of U ₂ Ni ₂ Sn. <i>Physical Review B</i> , 2020 , 101,	3.3	4
373	Structure and Low-Temperature Properties of U-15 at.% T Alloys (T = Mo, Nb, Pt, Ru, Ti). <i>Springer Proceedings in Physics</i> , 2020 , 389-395	0.2	
372	New type of magnetic structure in the RTX group: TbPdIn. <i>Journal of Physics Condensed Matter</i> , 2020 , 32, 345801	1.8	2
371	XPS, UPS, and BIS study of pure and alloyed UH ₃ films: Electronic structure, bonding, and magnetism. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2020 , 239, 146904	1.7	2

370	Pressure variations of the 5f magnetism in UH ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 497, 165993	2.8	1
369	Structural, thermodynamic, thermal, and electron transport properties of single-crystalline LaPt ₂ Si ₂ . <i>Physical Review B</i> , 2019 , 100,	3.3	8
368	Hydrogenation-induced changes of the crystal structure and magnetic properties of Er ₂ Ni ₂ Sn. <i>Journal of Alloys and Compounds</i> , 2019 , 794, 101-107	5.7	2
367	Peculiar properties of UMB ₄ (M = V, Cr, Mo, W) uranium borides. <i>Advances in Applied Ceramics</i> , 2019 , 118, 189-195	2.3	
366	Spin fluctuations in hydrogen-stabilized Laves phase UTi ₂ H ₅ . <i>Philosophical Magazine</i> , 2019 , 99, 1881-1898	6	1
365	Tailoring the ferrimagnetic-to-ferromagnetic transition field by interstitial and substitutional atoms in the RBe compounds. <i>Intermetallics</i> , 2019 , 112, 106546	3.5	16
364	Effect of element substitution on hydrogen absorption in compounds with the structure type W ₂ CoB ₂ . <i>Chemistry of Metals and Alloys</i> , 2019 , 12, 16-20	1	2
363	U ₂ Ni ₂ Sn and the origin of magnetic anisotropy in uranium compounds. <i>Physical Review B</i> , 2019 , 99,	3.3	9
362	ThMn-type phases for magnets with low rare-earth content: Crystal-field analysis of the full magnetization process. <i>Scientific Reports</i> , 2018 , 8, 3595	4.9	32
361	U-Zr alloy: XPS and TEM study of surface passivation. <i>Applied Surface Science</i> , 2018 , 441, 113-119	6.7	13
360	Thermal transport and thermopower of bcc U-Mo splat-cooled alloys. <i>Physica B: Condensed Matter</i> , 2018 , 536, 535-538	2.8	
359	Electronic properties of PuOs simulating β Pu: the strongly correlated Pu phase. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 085601	1.8	2
358	Structure and properties of U alloys with selected d-metals and their hydrides. <i>Physica B: Condensed Matter</i> , 2018 , 536, 546-552	2.8	2
357	Superconducting phase transitions in mK temperature range in splat-cooled U _{0.85} Pt _{0.15} alloys. <i>Physica B: Condensed Matter</i> , 2018 , 536, 708-712	2.8	1
356	Transition from itinerant metamagnetism to ferromagnetism in UCo _{1-x} Os _x Al solid solutions. <i>Physica B: Condensed Matter</i> , 2018 , 536, 558-563	2.8	2
355	Laves phase UTi ₂ stabilized by hydrogen and its magnetic properties. <i>Physica B: Condensed Matter</i> , 2018 , 536, 539-542	2.8	2
354	Superconductivity in U-Nb alloys with β U phase and ferromagnetism of their hydrides. <i>Physica B: Condensed Matter</i> , 2018 , 545, 152-158	2.8	4
353	Origin of negative resistivity slope in U-based ferromagnets. <i>Physica B: Condensed Matter</i> , 2018 , 536, 527-531	2.8	1

352	Probing the exchange coupling in the complex modified Ho-Fe-B compounds by high-field magnetization measurements. <i>AIP Advances</i> , 2018 , 8, 125223	1.5	18
351	Crystal Structure and Magnetic Properties of Uranium Hydride UH Stabilized as a Thin Film. <i>Inorganic Chemistry</i> , 2018 , 57, 14727-14732	5.1	9
350	Extended stability range of the non-Fermi liquid phase in UCoAl. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 385601	1.8	2
349	Superconductivity in UPt system with low Pt concentrations (15 at.%). <i>Physica C: Superconductivity and Its Applications</i> , 2018 , 546, 76-83	1.3	1
348	Magnetocaloric Behavior in Ternary Europium Indides EuT5In: Probing the Design Capability of First-Principles-Based Methods on the Multifaceted Magnetic Materials. <i>Chemistry of Materials</i> , 2017 , 29, 2599-2614	9.6	20
347	EuNi5InH1.5x (x = 0-1.5): hydrogen induced structural and magnetic transitions. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 2994-3006	7.1	8
346	Hydrogen absorption in U3Si2 and its impact on electronic properties. <i>Journal of Nuclear Materials</i> , 2017 , 487, 418-423	3.3	22
345	Nd2Ni2MgH8 hydride: Synthesis, structure and magnetic properties. <i>Intermetallics</i> , 2017 , 87, 13-20	3.5	4
344	Crystal structure and magnetism of UOsAl. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 428, 144-147	1.7	2
343	Synthesis, crystal structure, electric and magnetic properties of new UNiSi2 splat. <i>Low Temperature Physics</i> , 2017 , 43, 986-989	0.7	
342	Superconducting phase transitions in the milikelvin temperature range in splat-cooled U-Pt alloys. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2017 , 8, 025016	1.6	2
341	Hydrogen absorption in uranium-based alloys with cubic β U structure. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2017 , 8, 015005	1.6	
340	Electrical resistivity of 5f-electron systems affected by static and dynamic spin disorder. <i>Physical Review B</i> , 2017 , 95,	3.3	10
339	Structure and properties of Tb2Pd2Mg hydride. <i>Journal of Alloys and Compounds</i> , 2017 , 694, 201-207	5.7	5
338	Characterization of New U-Ni-X2 Splats and Study of their Physical Properties. <i>Acta Physica Polonica A</i> , 2017 , 131, 994-996	0.6	2
337	Characterization of Defects in Titanium Created by Hydrogen Charging. <i>Acta Physica Polonica A</i> , 2017 , 132, 1606-1611	0.6	1
336	Characterization of defects in titanium created by hydrogen charging. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 22557-22563	6.7	10
335	UH-based ferromagnets: new look at an old material. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 400, 130-136	2.8	13

334	First-order magnetization process as a tool of magnetic-anisotropy determination: Application to the uranium-based intermetallic U ₃ Cu ₄ Ge ₄ . <i>Physical Review B</i> , 2016 , 93,	3.3	2
333	Strong 5f Ferromagnetism in UH ₃ -Based Materials. <i>MRS Advances</i> , 2016 , 1, 2987-2992	0.7	8
332	Ternary arsenides RECo ₅ As ₃ (RE = Y, Gd, Tb, Dy, Ho, Er). <i>Journal of Alloys and Compounds</i> , 2016 , 685, 78-83	5.7	0
331	Superconductivity in U-T alloys (T = Mo, Pt, Pd, Nb, Zr) stabilized in the cubic $\overline{Fm}3m$ structure by splat-cooling technique. <i>Journal of Science: Advanced Materials and Devices</i> , 2016 , 1, 121-127	4.2	1
330	Magnetic properties of Czochralski-grown Ce ₂ Pd ₂ In single crystal. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 404, 250-256	2.8	4
329	Superconductivity in U-T Alloys (T = Mo, Pt, Nb, Zr) Stabilized in the Cubic $\overline{Fm}3m$ Structure. <i>Acta Physica Polonica A</i> , 2016 , 130, 521-526	0.6	2
328	5f Electron Systems: Magnetic Properties 2016 ,		
327	$\overline{Fm}3m$ phase in U-Pt system retained to low temperatures by means of rapid cooling. <i>Journal of Nuclear Materials</i> , 2016 , 479, 287-294	3.3	5
326	Magnetostructural phase transitions and magnetocaloric effect in Tb-Dy-Ho-Co-Al alloys with a Laves phase structure. <i>Journal of Applied Physics</i> , 2016 , 120, 013901	2.5	15
325	Ferromagnetism in 5f-band metamagnet UCoAl induced by Os doping. <i>Journal of Alloys and Compounds</i> , 2016 , 681, 275-282	5.7	10
324	EBSD Study of Uranium Alloys. <i>MRS Advances</i> , 2016 , 1, 3013-3018	0.7	1
323	Structure, Electrical Resistivity and Superconductivity of Low-alloyed $\overline{Fm}3m$ Phase Retained to Low Temperatures by Means of Rapid Cooling. <i>Acta Metallurgica Sinica (English Letters)</i> , 2016 , 29, 388-398	2.5	16
322	Variations of magnetic properties of UH ₃ with modified structure and composition. <i>Journal of Science: Advanced Materials and Devices</i> , 2016 , 1, 185-192	4.2	2
321	Superconductivity in the splat-cooled UMo alloys. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2015 , 6, 015007	1.6	2
320	Structure and superconducting transition in splat-cooled U $\overline{Fm}3m$ alloys (T = Mo, Pd, Pt). <i>Journal of Alloys and Compounds</i> , 2015 , 645, 158-163	5.7	9
319	Magnetism and hydrogen absorption in UNiZn. <i>Journal of Alloys and Compounds</i> , 2015 , 646, 885-892	5.7	3
318	Hydrogen absorption in R ₂ T ₂ M compounds with the W ₂ CoB ₂ -type structure. <i>Journal of Alloys and Compounds</i> , 2015 , 647, 911-916	5.7	5
317	Isothermal section of the ternary phase diagram UHeTe at 900 °C and its new intermetallic phases. <i>Journal of Alloys and Compounds</i> , 2015 , 639, 224-234	5.7	4

- 316 Structural and electronic response of U₃Fe₄Ge₄ to high pressure. *Journal of Applied Physics*, **2015**, 117, 113901 2.5
- 315 Synthesis and structural/physical properties of U₃Fe₂Ge₇: a single-crystal study. *Inorganic Chemistry*, **2015**, 54, 9646-55 5.1 3
- 314 Influence of Ru on magnetic properties of Y₂T₁₇ (T = Fe, Co) and Y₂Fe₁₆Si single crystals. *Journal of Alloys and Compounds*, **2015**, 621, 415-422 5.7 3
- 313 Crystal structure and magnetic properties of UO₂/permalloy thin films. *Thin Solid Films*, **2015**, 591, 271-275 3.5 0
- 312 Racah materials: role of atomic multiplets in intermediate valence systems. *Scientific Reports*, **2015**, 5, 15429 4.9 16
- 311 Electronic properties of UH stabilized by Zr. *Physical Review B*, **2015**, 91, 035111 3.3 20
- 310 Structure and properties of hydrides of U alloys. *Journal of Alloys and Compounds*, **2015**, 645, S190-S192 5.7 5
- 309 Impact of hydrogen absorption on crystal structure and magnetic properties of RE₂T₂X compounds. *Journal of Alloys and Compounds*, **2015**, 645, S76-S79 5.7 7
- 308 Hydrogen storage in Ti, V and their oxides-based thin films. *Advances in Natural Sciences: Nanoscience and Nanotechnology*, **2015**, 6, 013002 1.6 4
- 307 Variations of magnetic properties of UGa₂ under pressure. *Physical Review B*, **2015**, 91, 035111 3.3 11
- 306 Study of Ti, V and Their Oxides-Based Thin Films in the Search for Hydrogen Storage Materials. *Acta Physica Polonica A*, **2015**, 128, 431-440 0.6 3
- 305 Crystal structure and magnetic properties of RE(Mn,In)₂ (RE=Ho, Er, Tm). *Intermetallics*, **2014**, 46, 18-21 3.5 2
- 304 Electronic properties of U and superconductivity of UMo alloys. *Physica C: Superconductivity and Its Applications*, **2014**, 498, 14-20 1.3 28
- 303 Effects of high pressure on the structural, magnetic, and transport properties of the itinerant 5f ferromagnet U₂Fe₃Ge. *Physical Review B*, **2014**, 89, 035111 3.3 7
- 302 RENi₉In₂ (RE = Rare-Earth Metal): Crystal Chemistry, Hydrogen Absorption, and Magnetic Properties. *European Journal of Inorganic Chemistry*, **2014**, 2014, 2631-2642 2.3 12
- 301 Nonmagnetic ground state of PuO₂. *Physical Review B*, **2014**, 89, 035111 3.3 25
- 300 Structure and magnetic properties of hydrides based on Uranium bcc alloys. *Materials Research Society Symposia Proceedings*, **2014**, 1683, 1 1
- 299 Large Magnetocaloric Effect in Nd₂Ni₂In. *Acta Physica Polonica A*, **2014**, 126, 282-283 0.6 8

- 298 Amorphous 5f Ferromagnetic Hydrides $\text{UH}_{\{3\}}\text{Mo}_{\{x\}}$. *Acta Physica Polonica A*, **2014**, 126, 292-293 0.6 1
- 297 Magnetocaloric properties of distilled gadolinium: Effects of structural inhomogeneity and hydrogen impurity. *Applied Physics Letters*, **2014**, 104, 242402 3.4 26
- 296 Exchange bias in $\text{UO}_2/\text{Fe}_3\text{O}_4$ thin films above the Néel temperature of UO_2 . *Applied Physics Letters*, **2014**, 105, 122405 3.4 5
- 295 Onset of magnetic order in $\text{U}_2(\text{Ni}_{1-x}\text{Fe}_x)_2\text{Sn-H}$. *Journal of the Korean Physical Society*, **2013**, 62, 1542-1546 3.6 4
- 294 Anomalous increase of T_C in UGa_2 under pressure. *Journal of the Korean Physical Society*, **2013**, 62, 1572-1574 4
- 293 Magnetic, thermal, and transport properties of single-crystalline $\text{U}_3\text{Fe}_4\text{Ge}_4$. *Journal of Alloys and Compounds*, **2013**, 555, 304-310 5.7 7
- 292 Hydrogen absorption in $\text{RE}_2\text{T}_2\text{In}$ compounds. *Journal of Alloys and Compounds*, **2013**, 580, S105-S108 5.7 3
- 291 Rare-earth rich intermetallics RE_8CoIn_3 (RE = Y, Dy, Er, Lu). *Intermetallics*, **2013**, 38, 14-18 3.5 5
- 290 Impact of hydrogen absorption on crystal structure and magnetic properties of geometrically frustrated $\text{Nd}_2\text{Ni}_2\text{In}$. *Journal of Alloys and Compounds*, **2013**, 566, 22-30 5.7 17
- 289 Study of decomposition and stabilization of splat-cooled cubic β -phase UMo alloys. *Journal of Alloys and Compounds*, **2013**, 580, 223-231 5.7 24
- 288 Unusual 5f magnetism in the $\text{U}_2\text{Fe}_3\text{Ge}$ ternary Laves phase: a single crystal study. *Journal of Physics Condensed Matter*, **2013**, 25, 066010 1.8 9
- 287 Cubic β -phase UMo alloys synthesized by splat-cooling. *Advances in Natural Sciences: Nanoscience and Nanotechnology*, **2013**, 4, 035006 1.6 9
- 286 Ferromagnetism with $T_C=200$ K in the amorphous 5f compound $\text{UH}_3\text{Mo}_{0.18}$. *Physical Review B*, **2013**, 88, 3.3 20
- 285 Hydrogen storage in $\text{Ti}_{1-x}\text{Ni}_x\text{O}_2$ multilayers. *Advances in Natural Sciences: Nanoscience and Nanotechnology*, **2013**, 4, 025004 1.6 9
- 284 HOLZ rings in EBSD patterns of the $\text{UFeB}_{1-x}\text{Al}_x$ compound: association with a random distribution of planar defects. *Microscopy and Microanalysis*, **2013**, 19, 1204-10 0.5 1
- 283 Structure and magnetism of $\text{R}_2\text{T}_2\text{X}$ compounds and their hydrides; comparison of lanthanides and actinides. *Chemistry of Metals and Alloys*, **2013**, 6, 170-176 1 4
- 282 Variations of structure and magnetic properties in UTGe hydrides (T = late transition metal). *Journal of Alloys and Compounds*, **2012**, 515, 171-179 5.7 4
- 281 Lattice anisotropy in uranium ternary compounds: UTX . *Journal of Alloys and Compounds*, **2012**, 522, 130-135 5.7 24

280	Characterization of cubic ϵ -phase uranium molybdenum alloys synthesized by ultrafast cooling. <i>Journal of Alloys and Compounds</i> , 2012 , 534, 101-109	5.7	4 ¹
279	RNi ₉ In ₂ (R= Pr, Nd, Eu) Compounds and their Hydrides. <i>Solid State Phenomena</i> , 2012 , 194, 45-49	0.4	2
278	Magnetic Properties of Tb ₂ Pd ₂ In; Single Crystal Study. <i>Solid State Phenomena</i> , 2012 , 194, 58-61	0.4	3
277	Lattice and Magnetic Anisotropies in Uranium Intermetallic Compounds. <i>Solid State Phenomena</i> , 2012 , 194, 75-79	0.4	1
276	High pressure resistivity of UPd ₃ . <i>High Pressure Research</i> , 2012 , 1-5	1.6	
275	Effect of hydrogenation on the crystal structure of La ₂ Pd ₂ In. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 4185-4189	5.7	14
274	Hydrogen absorption and ⁵⁷ Fe Mössbauer effect in UFeGe. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 5453-5459	5.7	6
273	Increase of TC in UFe _{2+x} synthesized by ultrafast cooling. <i>Intermetallics</i> , 2011 , 19, 113-120	3.5	5
272	Structural and physical properties of the U ₉ Fe ₇ Ge ₂₄ uranium germanide. <i>Intermetallics</i> , 2011 , 19, 841-845	3.5	7
271	Onset of magnetism stimulated by H absorption in UNiAl-UFeAl. <i>Journal of Physics: Conference Series</i> , 2011 , 303, 012011	0.3	1
270	Characterization of U-based thin films: the UFe _{2+x} case. <i>Journal of Physics: Conference Series</i> , 2011 , 303, 012012	0.3	1
269	Effects of hydrogenation on magnetism of UNiGe. <i>Journal of Magnetism and Magnetic Materials</i> , 2011 , 323, 3217-3222	2.8	4
268	Ternary system Er-Ni-In at T=870K. <i>Journal of Solid State Chemistry</i> , 2011 , 184, 2707-2712	3.3	9
267	Bulk properties and photoelectron spectroscopy of the U ₂ Pu phase. <i>Journal of Nuclear Materials</i> , 2011 , 414, 458-463	3.3	2
266	SmZn ₁₁ -type derivative compound in the Yb ₂ ZnAl system: Crystal structure and magnetic properties. <i>Journal of Solid State Chemistry</i> , 2011 , 184, 1715-1718	3.3	1
265	Theoretical investigation of electronic structure, electric field gradients, and photoemission of PuCoGa ₅ and PuRhGa ₅ superconductors. <i>Physical Review B</i> , 2011 , 83,	3.3	8
264	Hydrogen induced changes in the crystal structure and magnetic properties of UCoGe. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 476002	1.8	2
263	Electronic structure and spectral properties of heavy actinides Pu, Am, Cm and Bk. <i>IOP Conference Series: Materials Science and Engineering</i> , 2010 , 9, 012049	0.4	1

262	Magnetism in hydrogenated UTGe compounds. <i>IOP Conference Series: Materials Science and Engineering</i> , 2010 , 9, 012051	0.4	4
261	Electronic Structure, Photoemission and Superconductivity in PuCoGa ₅ . <i>Materials Research Society Symposia Proceedings</i> , 2010 , 1264, 1		
260	Electronic structure theory of Pu-Am and Pu-Ce alloys, and thin EPu films. <i>Materials Research Society Symposia Proceedings</i> , 2010 , 1264, 1		1
259	Pressure effect on the crystal lattice of unconventional superconductor UCoGe. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 275603	1.8	10
258	Electronic Properties of EU-Pu Alloys. <i>Materials Research Society Symposia Proceedings</i> , 2010 , 1264, 1		1
257	Hydrogenation affecting the 5fmagnetism. <i>Journal of Physics: Conference Series</i> , 2010 , 200, 032040	0.3	
256	Crystal structure and magnetic properties of YbZn _{8.5} Al _{2.5} compound. <i>Intermetallics</i> , 2010 , 18, 569-573	3.5	5
255	Sommerfeld coefficient of EPu determined via a low-temperature specific heat Pu-Ce study. <i>Physical Review B</i> , 2010 , 82,	3.3	9
254	Magnetism of UTGe compounds tuned by hydrogen absorption. <i>Journal of Physics: Conference Series</i> , 2010 , 200, 012002	0.3	3
253	Peculiarities of U-based Laves phases. <i>IOP Conference Series: Materials Science and Engineering</i> , 2010 , 9, 012090	0.4	2
252	Uranium compounds prepared by sputter deposition: UFe _{2+x} . <i>Journal of Physics: Conference Series</i> , 2010 , 200, 012057	0.3	2
251	Ion beam mixing in uranium nitride thin films studied by Rutherford Backscattering Spectroscopy. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2010 , 268, 1875-1879	1.2	6
250	Magnetic properties of the hydrogenated unconventional superconductor UCoGe _{1-x} . <i>International Journal of Materials Research</i> , 2009 , 100, 1230-1233	0.5	9
249	The effect of hydrogenation on magnetic interactions in CeNi. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 446003	1.8	2
248	Effect of hydrogen doping in UTX compounds. <i>Journal of Applied Physics</i> , 2009 , 105, 07E127	2.5	2
247	Photoelectron spectroscopy study of PuCoGa ₅ thin films. <i>Journal of Nuclear Materials</i> , 2009 , 385, 8-10	3.3	9
246	Current understanding of photoelectron spectra in plutonium systems. <i>Journal of Nuclear Materials</i> , 2009 , 385, 28-30	3.3	3
245	Crystal structure and electronic properties of Gd ₃ Zn _{4.7} Al _{6.3} . <i>Physica B: Condensed Matter</i> , 2009 , 404, 1661-1663	2.8	

244	Electronic-structure theory of plutonium chalcogenides. <i>Journal of Nuclear Materials</i> , 2009 , 385, 21-24	3.3	3
243	Large H Absorption in Nd ₂ Ni ₂ In; Magnetism in a New Structure Type. <i>Materials Research Society Symposia Proceedings</i> , 2009 , 1216, 1		2
242	Magnetic properties of a hydrogenation-extracted UCoSn single crystal. <i>Journal of Alloys and Compounds</i> , 2009 , 471, 21-23	5.7	
241	Large hydrogen capacity in hydrides R ₂ Ni ₂ InB (R=La, Ce, Pr, Nd) with new structure type. <i>Journal of Alloys and Compounds</i> , 2009 , 477, 182-187	5.7	15
240	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> , 2009 , 80,	3.3	32
239	Magnetic properties of plutonium and Pu compounds. <i>Journal of Applied Physics</i> , 2009 , 105, 07E130	2.5	11
238	HoZn ₅ Al ₃ : rare-earth magnetism in a new structure type. <i>International Journal of Materials Research</i> , 2009 , 100, 1203-1205	0.5	2
237	Hydrogen as a probe into 5f-magnetism. <i>International Journal of Materials Research</i> , 2009 , 100, 1187-1189	5	2
236	Are RENiAl hydrides metallic?. <i>International Journal of Materials Research</i> , 2009 , 100, 1200-1202	0.5	6
235	f-Element hydrides: structure and magnetism. <i>International Journal of Materials Research</i> , 2009 , 100, 1182-1186	0.5	10
234	Crystal structure and electronic properties of new uranium intermetallic compound UGa _{1.85} Zr _{0.15} . <i>Journal of Alloys and Compounds</i> , 2008 , 460, 83-89	5.7	0
233	Signatures of Non-integer 5f Occupancy in Pu Systems: Magnetic Properties and Photoelectron Spectroscopy Studies. <i>Materials Research Society Symposia Proceedings</i> , 2008 , 1104, 1		
232	Electronic Structure and Photoemission in Plutonium Chalcogenides. <i>Materials Research Society Symposia Proceedings</i> , 2008 , 1104, 1		
231	Pressure-induced americium valence fluctuations revealed by electrical resistivity. <i>Europhysics Letters</i> , 2008 , 82, 57007	1.6	8
230	Pressure tuning of the non-Fermi liquid state in UCo _{0.95} Fe _{0.05} Al. <i>Journal of Physics: Conference Series</i> , 2008 , 121, 032012	0.3	3
229	Electronic structure of Pu carbides: Photoelectron spectroscopy. <i>Physica B: Condensed Matter</i> , 2008 , 403, 852-853	2.8	1
228	Magnetic Properties of UFe _{2+x} Prepared by Splat Cooling. <i>Acta Physica Polonica A</i> , 2008 , 113, 247-250	0.6	4
227	Structure and magnetism of new R ₂ Cu ₂ In hydrides (R = Ce, Gd). <i>Chemistry of Metals and Alloys</i> , 2008 , 1, 46-49	1	10

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