

## Załącznik 2. Lista wspólnych prac naukowych instytucji tworzących Sieć Naukową

### INTiBS PAN – IFM PAN

1. A.Pietraszko, J.Goslar, W.Hilczer, L.Szczepańska, *X-ray and ESE Studies of Lithium Hydrazinium Sulphate Single Crystals*. Mol.Phys.Rep. **27** (2000) 90.
2. A.Ślebarski, A.Jeziński, A.Zygmunt, *Band Gap Stability in Kondo Insulators*. Acta Phys.Pol.A **97** (2000) 59.
3. A.Wrona, A.Ślebarski, A.Jeziński, A.Zygmunt, S.Plogmann, M.Neumann, *Electronic Structure of Ni<sub>2-x</sub>Pd<sub>x</sub>TiSn Alloys*. J.Magn.Magn.Mater. **213** (2000) 157.
4. M.A.Augustyniak-Jablokow, Y.V.Yablokov, KŁukaszewicz, A.Pietraszko, V.E.Petrashen, V.A.Ulanov, *Continuous Changes of the Jahn-Teller Deformation of Cu(H<sub>2</sub>O)<sub>6</sub> Complex in Ferroelastic Cs<sub>2</sub>Cu(ZrF<sub>6</sub>)<sub>2</sub>·6H<sub>2</sub>O Crystal*. Chem.Phys.Lett. **344** (2001) 345.
5. G.Chełkowska, J.A.Morkowski, A.Szajek, R.Troć, *Electronic Structure and X-ray Photoemission Spectrum of Kondo Dense Compound UCu<sub>5</sub>Al*. Phys.Rev.B **64** (2001) 075119.
6. T.A.Ivanova, I.Jacyna-Onyszkiewicz, J.Mroziński, R.Troć, Yu.V.Yablokov, V.V.Zelentsov, *The Cubic Type N<sup>3+</sup> Centres in LaSr<sub>1-x</sub>Ni<sub>x</sub>O<sub>4+d</sub>*. Physica B **304** (2001) 246.
7. A.Pawłowski, A.Haznar, *Crystal Structure of (NH<sub>4</sub>)<sub>4</sub>H<sub>2</sub>(SeO<sub>4</sub>)<sub>3</sub> and (ND<sub>4</sub>)<sub>4</sub>D<sub>2</sub>(SeO<sub>4</sub>)<sub>3</sub> below 180 K*. J.Solid State Chem. **160** (2001) 189.
8. A.Pawłowski, B.Hilczer, M.Połomska, A.Pietraszko, *Low-Temperature Behavior of (NH<sub>4</sub>)<sub>4</sub>H<sub>2</sub>(SeO<sub>4</sub>)<sub>3</sub> and (ND<sub>4</sub>)<sub>4</sub>D<sub>2</sub>(SeO<sub>4</sub>)<sub>3</sub> Superionic Conductors*. Solid State Ionics **145** (2001) 217.
9. A.Ślebarski A.Jeziński, M.B.Maple, A.Zygmunt, *Hybridization Gap in Some Ternary f-Electron and d-Electron Intermetallics*. Acta Phys.Pol.B **32** (2001) 3331.
10. M.A.Augustyniak-Jablokow, KŁukaszewicz, A.Pietraszko, V.E.Petrashen, Yu.V.Yablokov, *The Plasticity of the Cu(H<sub>2</sub>O)<sup>2+</sup><sub>6</sub> Jahn-Teller Complex Affected by Lattice Strains and Cooperative Interactions*. Fiz.Tverd.Tela **44** (2002) 1418; Phys.Solid State **44** (2002) 1480.
11. G.Chełkowska, J.A.Morkowski, A.Szajek, R.Troć, *Dense Kondo Compound UCu<sub>5</sub>Sn - Electronic Structure and X-ray Photoemission*. J.Phys. Cond.Matt. **14** (2002) 3199.
12. G.Chełkowska, J.A.Morkowski, A.Szajek, R.Troć, *Electronic Band Structure and the X-ray Photoemission Spectrum of Ucu<sub>5</sub>In*. Phil.Mag.B **82** (2002) 1893.
13. M.A.Hitchman, Y.V.Yablokov, V.E.Petrashen, M.A.Augustyniak-Jablokow, H.Stratemeier, M.J.Riley, KŁukaszewicz, P.E.Tomaszewski, A.Pietraszko, *Dynamic Behaviour of the Jahn-Teller Distorted Cu(H<sub>2</sub>O)<sub>6</sub><sup>2+</sup> Ion in Cu<sup>2+</sup> Doped Cs<sub>2</sub>[Zn(H<sub>2</sub>O)<sub>6</sub>](ZrF<sub>6</sub>)<sub>2</sub> and the Crystal Structure of the Host Lattice*. Inorg.Chem. **41** (2002) 229.
14. L.Kirpichnikova, V.Shakhmatov, A.Pietraszko, M.Połomska, B.Hilczer, *Optical Polarization and X-ray Study of High Temperature Transition in K<sub>2</sub>Ba(NO<sub>2</sub>)<sub>4</sub> Crystals and Theoretical Analysis*. Ferroelectrics **269** (2002) 3.
15. B.Nowak, J.Późniak-Fabrowska, A.Szajek, J.Morkowski, M.Tkacz, *Electronic Band Structure Calculation and Nuclear Spin-Lattice Relaxation in Chromium Hydrides*. J.Alloy.Comp. **340** (2002) 67.

16. A.Ślebarski, M.Radłowska, T.Zawada, M.B.Maple, A.Jeziernski, A.Zygmunt, *Experimental Study of the Physical Properties in the Complex Magnetic Phase Diagram of  $Ce_{1-x}La_xRhSn$* . Phys.Rev.B **66** (2002) 104434.
17. A.Ślebarski, M.Radłowska, A.Zygmunt, A.Jeziernski, *Electronic Structure Studies of  $CeRhSb$  with  $Rh$  Substituted by  $Pd$  and  $Ni$* . Phys.Rev.B **65** (2002) 205110.
18. A.Ślebarski, A.Wrona, T.Zawada, A.Jeziernski, A.Zygmunt, K.Szot, S.Chiuzbaian, M.Neumann, *Electronic Structure of Some Heusler Alloys Based on Aluminum and Tin*. Phys.Rev.B **65** (2002) 144430.
19. G.Chełkowska, J.A.Morkowski, A Szajek, J.Stępień-Damm, R.Troć, *Electronic Structure and Photoemission Studies on Kondo Semimetal  $U_2Ru_2Sn$* . Eur.Phys.J.B **35** (2003) 349.
20. Ł.Gondek, B.Penc, A.Szytuła, A.Jeziernski, A.Zygmunt, *Electronic Structure and Magnetic Properties of  $CeTIn$  ( $T=Ni, Au$ ) Compounds*. Acta Phys.Pol.B **34** (2003) 1209.
21. L.Kirpichnikova, M.Połomska, A.Pietraszko, B.Hilczer, L.Szcześniak, *Domain Structure in  $[(NH_4)_{1-x}Rb_x]3^xH(SO_4)_2$  Mixed Crystals in the Vicinity of Ferroelastic-Superprotonic Transition*. Ferroelectrics **290** (2003) 61.
22. A.Szytuła, A.Jeziernski, B.Penc, A.Winiarski, A.Leithe-Jasper, D.Kaczorowski, *Electronic Structure of  $YbTX$  Compounds*. J.Alloy.Comp. **360** (2003) 41.
23. L.F.Kirpichnikova, A.Pietraszko, W.Bednarski, S.Waplak, A.U.Sheleg, *Kristallicheskaya struktura i fazovye perekhody v novykh kristalakh  $(CH_3)_2NH_2)_2CuCl_4[(CH_3)_2NH_2]Cl$ . [Crystal Structure and Phase Transitions in the New Crystals of  $[(CH_3)_2NH_2)_2CuCl_4[(CH_3)_2NH_2]Cl$* . Kristallografiya **49** (2004) 92; Cryst.Reports **49** (2004) 86.
24. L.Kirpichnikova, V.Shakhmatov, M.Połomska, B.Hilczer, A.Pietraszko, *Ferroelastic Domain Structure and XRD Studies of  $[(NH_4)_{1-x}Rb_x]3^xH(SO_4)_2$  Crystals; Phenomenological Description*. Ferroelectrics **302** (2004) 105.
25. B.Kulicka, R.Jakubas, Z.Ciunik, G.Bator, W.Medycki, J.Świergiel, J.Baran, *Structure, Phase Transitions and Molecular Dynamics in 4-Methylpyridinium Tetrachloroantimonate(III),  $[4CH_3C_5H_4NH] [SbCl_4]$* . J.Phys.Chem.Solids **65** (2004) 871.
26. J.A.Morkowski, A.Szajek, Z.Bukowski, C.Sułkowski, R.Troć, G.Chełkowska, *Magnetic Susceptibility, Transport Properties, XPS and Electronic Structure of  $UcoGa_5$* . J.Magn.Magn.Mater. **272** (2004) e323.
27. T.Pawłowski, B.Hilczer, M.Połomska, A.Pietraszko, *Structural Relaxation in  $Rb_3H(SO_4)_2$  Single Crystals*. Ferroelectrics **302** (2004) 77.
28. A.Pietraszko, J.Goslar, W.Hilczer, L.Szczepeńska, *Temperature Variation of the Molecular Structure of Lithium Hydrazinium Sulphate - A One-Dimensional Protonic Conductor*. J.Mol.Struct. **688** (2004) 5.
29. A.Pietraszko, B.Hilczer, C.Caranoni, *The Space Group Symmetry of  $PSN$ ,  $PST$  and  $PSNT$  Ferroelectric Relaxors in the Superparaelectric Phase*. Ferroelectrics **298** (2004) 235.
30. M.Połomska, T.Pawłowski, A.Pietraszko, L.Kirpichnikova, *Molecular Dynamics Study of Crystals with Ferroic Phase Transitions*. J.Mol.Struct. **704** (2004) 95.
31. A.Ślebarski, W.Głogowski, A.Jeziernski, J.Deniszczyk, A.Czopnik, A.Zygmunt, *Electronic Structure and Magnetic Properties  $CePdSb$  and  $Ce_{1-x}La_xPdSb$* . Phys.Rev.B **70** (2004) 184429.

32. A.Szajek, J.A.Morkowski, A.Bajorek, G.Chełkowska, T.Troć, *Electronic Structure and X-ray Photoemission Spectra of the Compounds APtSn. I. (A= Th, U)*. J.Magn.Magn.Mater. **281** (2004) 281.
33. R.Troć, Z.Bukowski, C.Sułkowski, H.Misiorek, J.A.Morkowski, A.Szajek, G.Chełkowska, *Electronic Structure, Magnetic and Transport Studies of Single-Crystalline UcoGa<sub>5</sub>*. Phys.Rev.B **70** (2004) 184443.
34. B.Hilczer, J.Kulek, M.Połomska, M.D.Glinchuk, A.V.Ragulya, A.Pietraszko, *Dielectric and Pyroelectric Response of BaTiO<sub>3</sub>-PVDF Nanocomposites*. Ferroelectrics **316** (2005) 31.
35. L.F.Kirpichnikova, M.Połomska, A.Pietraszko, V.S.Shakhmatov, B.Hilczer, *Ob osobennostyakh izmeneniya domennoj struktury smeshannykh kristallov [(NH<sub>4</sub>)<sub>1-x</sub>Rb<sub>x</sub>]<sup>3+</sup>H(SO<sub>4</sub>)<sub>2</sub> v okrestnosti superprotonnogo fazovogo perekhoda. [Characteristic Features of the Change of Domain Structure in Mixed [(NH<sub>4</sub>)<sub>1-x</sub>Rb<sub>x</sub>]<sup>3+</sup>H(SO<sub>4</sub>)<sub>2</sub> Crystals in the Vicinity of Superprotonic Phase Transition.]* Kristallografiya **50** (2005) 127; Crystallogr.Rep. **50** (2005) 108.
36. A.Szajek, J.A.Morkowski, A.Bajorek, G.Chełkowska, T.Troć, *X-ray Photoemission Spectra and Electronic Band Structure of the Ternary Compounds U<sub>3</sub>M<sub>2</sub>M<sub>3</sub>'*, M= Al, Ga; M'= Si, Ge. J.Alloy.Comp. **386** (2005) 75.
37. R.Troć, Z.Bukowski, C.Sułkowski, J.A.Morkowski, A.Szajek, G.Chełkowska, *Magnetic, Transport and Electronic Structure Properties of U<sub>2</sub>RuGa<sub>8</sub>*. Physica B **359** (2005) 1375.
38. A.Gągor, A.Pietraszko, M.Drozd, M.Połomska, D.Kaynts, *Structural Phase Transitions and Their Influence on Cu<sup>+</sup> Mobility in Superionic Ferroelastic Cu<sub>6</sub>PS<sub>5</sub>I Single Crystals*. Mater.Sci.(Poland) **24** (2006) 237.
39. A.Gągor, A.Pietraszko, M.Drozd, M.Połomska, Cz.Pawlaczyk, D.Kaynts, *Structural Phase Transitions and Conduction Properties of Superionic, Ferroelastic Cu<sub>6</sub>PS<sub>5</sub>Br<sub>1-x</sub>I<sub>x</sub> Single-Crystals (x=1, 0.75, 0.5, 0.25)*. J.Phys. Cond.Matt. **18** (2006) 4489.
40. B.Hilczer, J.Kulek, M.Połomska, M.Kosec, B.Malic, L.Kepiński, *Dielectric Relaxation in K<sub>0.5</sub>Na<sub>0.5</sub>NbO-PVDF Composites*. Ferroelectrics (2006) in print.
41. M.Jurczyk, I.Okońska, W.Iwasieczko, E.Jankowska, H.Drulis, *Thermodynamic and Electrochemical Properties of Nanocrystalline Mg<sub>2</sub>Cu-Type Hydrogen Storage Materials*. J.Alloy.Comp. (2006) in print
42. B.Kulicka, R.Jakubas, A.Pietraszko, W.Medycki, J.Świergiel, *Structure, Phase Transitions and Molecular Dynamics in 4-Aminopyridinium Hexachloroantimonate(V), [4NH<sub>2</sub>C<sub>5</sub>H<sub>4</sub>NH] [SbCl<sub>6</sub>]*. J.Mol.Struct. **783** (2006) 88.
43. G.Ślusarek, M.Kozak, J.Gierszewski, A.Pietraszko, *Structure of N-6-Furfurylaminopurine (Kinetin) Dihydrogenphosphate*. Acta Cryst.B **62** (2006) 102.
44. A.Szytuła, A.Jeziński, B.Penc, E.Wawrzyńska, A.Zygmunt, *Magnetic Properties and Electronic Structure of Gd<sub>3</sub>Cu<sub>4</sub>X<sub>4</sub> (X = Ge, Sn)*. Phys.stat.sol.(b) **243** (2006) 299.
45. A.Szytuła, A.Jeziński, A.Winiarski, B.Penc, V.H.Tran, *Photoemission Studies and Electronic Structure of U<sub>2</sub>T<sub>2</sub>In (T= Ni, Rh, Pt) Compounds*. J.Phys. Cond.Matt. **18** (2006) 4355.
46. A.Kowalczyk, M.Falkowski, V.H.Tran, and M.Pugaczowa-Michalska, *Electronic structure and thermoelectric power of CeNi<sub>4</sub>Si*, J. Alloys. Comp. (2006), in press.
47. V.H.Tran, W.Miiller, A.Kowalczyk, T.Toliński, and G.Chełkowska, *Intermediate valence behaviour*

of Yb in a new intermetallic compound  $\text{YbNi}_{0.8}\text{Al}_{4.2}$ , J. Phys.: Condens. Matter (2006), in press.

48. V.H.Tran, W.Miiller, A.Kowalczyk, T.Toliński, and G.Chełkowska, *YbNi<sub>0.8</sub>Al<sub>4.2</sub>: A novel intermetallic compound with an enhanced thermoelectric power factor*, J. Alloys Comp., in press.

## INTiBS PAN – IF PAN

49. P.Aleshkevych, M.Berkowski, W.Ryba-Romanowski, H.Szymczak, *EPR and Optical Spectra of Cobalt in SrLaAlO<sub>4</sub>*. Phys.stat.sol.(b) **218** (2000) 521.
50. P.Byszewski, K.Antonova, E.Kowalska, J.Radomska, J.Baran, *Molecular Modeling of C<sub>60</sub>: Cobaltocene and Nickelocene Complexes. Comparison with IR Absorption*. Chem.Phys.Lett. **323** (2000) 522.
51. B.Dabrowski, L.Gladczuk, A.Wisniewski, Z.Bukowski, R.Dybzinski, A.Szewczyk, M.Gutowska, S.Kolesnik, C.W.Kimball, Szymczak H. *Magnetostriction Study of Structural and Magnetic Transitions in La<sub>1-x</sub>Sr<sub>x</sub>MnO<sub>3</sub> (0.1 < x < 0.2)*. J.Appl.Phys. **87** (2000) 3011.
52. P.Dłużewski, A.Pietraszko, M.Kozłowski, A.Szczepańska, J.Górecka, M.Baran, L.Leonyuk, G.-J.Babonas, O.Lebedev, R.Szymczak, *Electron Microscopy and X-ray Structural Investigation of Incommensurate Spin-Ladder Sr<sub>4.1</sub>Ca<sub>4.7</sub>Bi<sub>0.3</sub>Cu<sub>17</sub>O<sub>29</sub> Single Crystal*. Acta Phys.Pol.A **98** (2000) 729.
53. A.Szewczyk, H.Szymczak, A.Wśniewski, K.Piotrowski, R.Kartaszyński, B.Dąbrowski, S.Koleśnik, Z.Bukowski, *Magnetocaloric Effect in La<sub>1-x</sub>Sr<sub>x</sub>MnO<sub>3</sub> for x=0.13 and 0.16*. Appl.Phys.Lett. **77** (2000) 1026.
54. A.Kamińska, A.Suchocki, K.Gościński, L.Dobaczewski, P.J.Dereń, W.Stręk, *High-Pressure Spectroscopy of Cr<sup>3+</sup>-Doped MgO-2.5Al<sub>2</sub>O<sub>3</sub> Non-Stoichiometric Green Spinel*. J.Alloy.Comp. **341** (2002) 193.
55. P.W.Klamut, B.Dabrowski, S.M.Mini, S.Kolesnik, M.Maxwell, J.Mais, A.Shengelaya, R.Khazanov, I.Savić, H.Keller, C.Sułkowski, D.Włosewicz, M.Matusiak, A.Wiśniewski, R.Puźniak, I.Fita, *Magnetism and Superconductivity in Ru<sub>1-x</sub>Sr<sub>2</sub>RECu<sub>2+x</sub>O<sub>8-d</sub> (RE= Gd, Eu) and RuSr<sub>2</sub>Gd<sub>1-y</sub>Ce<sub>y</sub>Cu<sub>2</sub>O<sub>8</sub> Compounds*. Lect.Not.Phys. **603** (2002) 176.
56. P.W.Klamut, B.Dabrowski, S.M.Mini, S.Kolesnik, M.Maxwell, A.Shengelaya, R.Khasanov, H.Keller, I.Savić, C.Sułkowski, M.Matusiak, A.Wiśniewski, R.Puźniak, I.Fita, *On the Magnetic and Superconducting Properties of Ru<sub>1-x</sub>Sr<sub>2</sub>RECu<sub>2+x</sub>O<sub>8-d</sub>, RE= Gd, Eu, Compounds*. J.Appl.Phys. **91** (2002) 7134.
57. T.Bodziony, J.Typek, M.Orłowski, J.Majszyk, M.Wabia, M.Berkowski, W.Ryba-Romanowski, N.Guskos, V.Likodimos, E.A.Anagnostakis, *Magnetic Resonance and Dielectric Studies of a Nonlinear La<sub>3</sub>Ga<sub>5.5</sub>Ta<sub>0.5</sub>O<sub>14</sub> Single Crystal Doped with Erbium*. Acta Phys.Pol.A **103** (2003) 315.
58. D.D.Khalyavin, M.Pękała, G.L.Bychkov, S.V.Shiryaev, S.N.Barilo, I.O.Troyanchuk, J.Mucha, H.Misiorek, R.Szymczak, M.Baran, H.Szymczak, *Magnetotransport Properties of Flux Melt Grown Single Crystals of Co-Substituted Manganites with Perovskite Structure*. J.Phys. Cond.Matt. **15** (2003) 925.
59. P.W.Klamut, B.Dabrowski, S.M.Mini, M.Maxwell, J.Mais, I.Felner, U.Asaf, F.Ritter, A.Shengelaya, R.Khasanov, I.M.Savić, H.Keller, A.Wiśniewski, R.Puźniak, I.M.Fita, C.Sułkowski, M.Matusiak, *On the Effect of Heterovalent Substitutions in Ruthenocuprates*. Physica C **387** (2003) 33.
60. J.Konopka, A.Konopka, P.Waldow, R.Jose, M.Wołyrcz, *Dielectric Properties of Nanoparticulate*

*Ba<sub>2</sub>EuZrO<sub>5.5</sub> Perovskite at Microwave Frequencies.* J.Appl.Phys. **94** (2003) 3451.

61. L.Kovacs, K.Lengyel, A.Baraldi, R.Capelletti, M.Berkowski, W.Ryba-Romanowski, *Hydroxyl Ion Absorption in LaGaO<sub>3</sub> Single Crystals.* J.Phys.Chem.Solids **64** (2003) 741.
62. K.Lengyel, L.Kovacs, A.Baraldi, R.Capelletti, M.Berkowski, W.Ryba-Romanowski, *The Stretching Vibration of Hydroxyl Ions in LaGaO<sub>3</sub>.* Radiat.Eff.Def.Solids **158** (2003) 61.
63. W.Ryba-Romanowski, G.Dominiak-Dzik, P.Solarz, M.Berkowski, *Optical Study of Erbium-Doped La<sub>3</sub>Ga<sub>5.5</sub>Ta<sub>0.5</sub>O<sub>14</sub> Single Crystal.* Mol.Phys. **101** (2003) 1067.
64. E.Guziewicz, T.Durakiewicz, M.T.Butterfield, C.G.Olson, J.J.Joyce, A.J.Arko, J.L.Sarrao, A.Wojakowski, T.Cichorek, *Electronic Structure of UAsSe and USb<sub>2</sub> Compounds: the 5f Photoemission.* MRS Symp.Proc. **802** (2004) 183.
65. J.Karpiński, N.D.Zhigadlo, G.Schuck, S.M.Kazakov, B.Batlogg, K.Rogacki, R.Puźniak, J.Jun, E.Muller, P.Wagli, R.Gonnelli, D.Daghero, G.A.Ummarino, V.A.Stepanov, *Al Substitution in MgB<sub>2</sub> Crystals: Influence on Superconducting and Structural Properties.* Phys.Rev.B **71** (2005) 174506.
66. S.M.Kazakov, R.Puźniak, K.Rogacki, A.V.Mironov, N.D.Zhigadlo, J.Jun, C.Soltmann, B.Batlogg, J.Karpiński, *Carbon Substitution in MgB<sub>2</sub> Single Crystals: Structural and Superconducting Properties.* Phys.Rev.B **71** (2005) 024533.
67. M.Pękała, J.Mucha, M.Baran, I.Troyanchuk, B.Krzymańska, H.Szymczak, *Magneto-Transport in Orthocobaltite GdBaCo<sub>2</sub>O<sub>5.5</sub>.* J.Magn.Magn.Mater. **292** (2005) 385.
68. A.Szewczyk, M.Gutowska, B.Dąbrowski, T.Plackowski, N.P.Danilova, Yu.P.Gaidukov, *Specific Heat Anomalies in La<sub>1-x</sub>Sr<sub>x</sub>MnO<sub>3</sub> (0.12 < x < 0.2).* Phys.Rev.B **71** (2005) 224432.
69. E.Guziewicz, T.Durakiewicz, P.M.Oppeneer, J.J.Joyce, J.D.Thompson, C.G.Olson, M.T.Butterfield, A.Wojakowski, D.P.Moore, A.J.Arko, *Angle-Resolved Photoemission Study of Dispersive and Narrow-Band 5f States in UasSe.* Phys.Rev.B **73** (2006) 155119.
70. P.Byszewski, R.Aleksiyko, M.Berkowski, J.Fink-Finowicki, R.Diduszko, W.Gebicki, J.Baran, K.Antonova, *IR and Raman spectroscopy correlation with the structure of (La/Pr)(1-x)(Pr/Nd)(x)GaO<sub>3</sub> solid solution crystals,* J.Mol.Struct. **792** (2006) 62
71. K.Rogacki, B.Batlogg, J.Karpinski, N.D.Zhigadlo, G.Schuck, S.M.Kazakov, P.Wagli, R.Puzniak, A.Wisniewski, F.Carbone, A.Brinkman, D.van der Marel, *Strong magnetic pair breaking in Mn-substituted MgB<sub>2</sub> single crystals,* Phys.Rev.B **73** (2006)
72. E.Guziewicz, T.Durakiewicz, C.G.Olson, J.J.Joyce, M.T.Butterfield, A.J.Arko, J.L.Sarrao, A.Wojakowski, *Electronic structure of layered uranium compounds from photoemission spectroscopy,* Surf.Sci. **600** (2006) 1632

## IFM PAN – IF PAN

73. R.Zuberek, E.Mosiniewicz-Szablewska, H.Szymczak, K.Fronc, K.Swiatek, F.Stobiecki, *Thickness dependence of cubic anisotropy constant in sputtered Fe films on GaAs substrates,* Physica B **284** (2000) 1237
74. V.K.Dugaev, J.Barnas, A.Lusakowski, L.A.Turski, *Electrons in a ferromagnetic metal with a domain wall,* Phys.Rev. B **65** (2002) 224419

75. V.K.Dugaev, V.I.Litvinov, J.Barnas, A.H.Slobodskyy, W.Dobrowolski, M.Vieira, Ferromagnetism in diluted magnetic semiconductors at low carrier density, *Phys.Stat.Sol. B* 236 (2003) 507
76. V.K.Dugaev, V.I.Litvinov, J.Barnas, A.H.Slobodskyy, W.Dobrowolski, M.Vieira, *Mechanism of ferromagnetism in diluted magnetic semiconductors at low carrier density*, *J.Supercon.* 16 (2003) 67
77. V.K.Dugaev, J.Barnas, A.Lusakowski, L.A.Turski, *Electrons in magnetic structures with domain walls: Accumulation of spin, charge, and transport properties*, *J.Supercond.* 16 (2003) 15
78. V.K.Dugaev, J.Barnas, A.Lusakowski, L.A.Turski, *Accumulation of spin and charge and transport properties of ferromagnets with domain walls*, *Phys.Stat.Sol. A* 196 (2003) 177
79. T.Tolinski, A.Kowalczyk, G.Chelkowska, M.Pugaczowa-Michalska, B.Andrzejewski, V.Ivanov, A.Szewczyk, M.Gutowska, *Magnetic, thermodynamic, electronic, and transport properties of CeNi<sub>4</sub>Al*, *Phys.Rev.B* 70 (2004) 064413
80. T.Runke, K.Lapsa, A.Lapinski, R.Aleksiyko, M.Berkowski, M.Drozdowski, *Spectroscopic study of mixed oxide SAT(1-x): LA(x) perovskite crystals*, *J.Mol.Struct.* 704 (2004) 281
81. T.Lucinski T, Wandziuk P, Stobiecki F, Andrzejewski B, Kopcewicz M, Hutten A, Reiss G, Szuszkiewicz W, *Exchange interlayer coupling in Fe/Si<sub>x</sub>Fe<sub>100-x</sub> and Co/Si multilayers*, *J.Magn.Magn.Mater.* 282 (2004) 248
82. V.K.Dugaev, J.Barnas, J.Berakdar, V.I.Ivanov, W.Dobrowolski, V.F.Mitin, *Magnetoresistance of a semiconducting magnetic wire with a domain wall*, *Phys.Rev.B* 71 (2005) 024430
83. T.Tolinski, A.Szewczyk, M.Gutowska, A.Kowalczyk, *Specific heat of RNi<sub>4</sub>Al (R = Y, Ce, Nd) compounds*, *Phys. Stat. Sol B* 242 (2005) R40
84. W.Szuszkiewicz, M.Jouanne, J.F.Morhange, M.Chernyshova, L.Kowalczyk, E.Lusakowska, P.Wandziuk, T.Lucinski, *Optical studies of non-magnetic spacer in thin Fe/Si multilayers*, *Acta Phys. Pol. A* 108 (2005) 891
85. T.Tolinski, A.Kowalczyk, A.Szewczyk, M.Gutowska, *Specific heat in CeNi<sub>4</sub>Cu and YbNi<sub>4</sub>Cu*, *J.Phys.:Condens.Matter* 18 (2006) 3435

## INTiBS PAN – IF UJ

86. S.Baran, M.Hofmann, T.Jaworska-Gołab, B.Penc, A.Zygmunt, A.Szytuła, *Neutron Diffraction and Magnetic Studies of the NdRh<sub>2-x</sub>Ru<sub>x</sub>Si<sub>2</sub> System*. *J.Alloy.Comp.* **297** (2000) 37.
87. S.Baran, M.Hofmann, J.Leciejewicz, B.Penc, M.Ślaski, A.Szytuła, A.Zygmunt, *Magnetic Properties and Magnetic Structure of RAgSi (R= Gd-Er) Compounds*. *J.Magn.Magn.Mater.* **222** (2000) 277.
88. S.Baran, M.Hofmann, B.Penc, M.Ślaski, A.Szytuła, A.Zygmunt, *Magnetic Structures of RAuGe (R= Pr, Nd, Tb, Ho, Er) Compounds*. *Physica B* **276-278** (2000) 656.
89. W.Bażela, M.Hofmann, S.Baran, B.Penc, A.Szytuła, A.Zygmunt, *Magnetic properties of RRhGe (R= Dy and Tm) Compounds*. *Acta Phys.Pol.A* **97** (2000) 819.
90. B.Penc, M.Hofmann, J.Leciejewicz, A.Szytuła, A.Zygmunt, *Magnetic Properties of RPdGa (R= Gd-Er) Compounds*. *J.Alloy.Comp.* **305** (2000) 24.
91. B.Penc, M.Hofmann, M.Ślaski, A.Szytuła, A.Zygmunt, *The Magnetic Properties of the Ternary Intermetallic RPtGa (R= Gd-Er) Compounds*. *Physica B* **291** (2000) 19.

92. A.Szytuła, M.Hofmann, B.Penc, M.Ślaski, S.Majumdar, E.V.Sampanthkumaran, A.Zygmunt, *Magnetic Behaviour and Electronic Structure of the  $R_2PdSi_3$  ( $R= Ce, Nd, Tb--Er$ ) Compounds*. Acta Phys.Pol.A **97** (2000) 823.
93. A.Szytuła, A.Zygmunt, *Magnetic Properties of  $RNiSb_2$  ( $R= Dy, Ho$ ) Compounds*. J.Alloy.Comp. **299** (2000) 24.
94. V.H.Tran, R.Troć, G.Andre, F.Boure, M.Kolenda, *Structural Properties and Magnetic Structure of the Heavy-Fermion Compound  $UCu_5Sn$* . J.Phys. Cond.Matt. **12** (2000) 5879.
95. W.Bażela, Ł.Gondek, B.Penc, A.Szytuła, N.Stęer, A.Zygmunt, *Magnetic Structures and Magnetic Phase Transitions in  $RAuIn$  ( $R= Tb, Ho$ ) Compounds*. Acta Phys.Pol.B **32** (2001) 3387.
96. A.Gil, B.Penc, M.Hofmann, A.Szytuła, A.Zygmunt, *Magnetic Properties and Magnetic Structures of  $RPtGe_2$  and  $RIrGe_2$  ( $R= Gd-Er$ ) Compounds*. J.Alloy.Comp. **322** (2001) 21.
97. M.Kolenda, M.Hofmann, J.Leciejewicz, B.Penc, A.Szytuła, A.Zygmunt, *Magnetic Structure of  $RTSb_2$  ( $R= Pr, Nd$ ;  $T= Cu, Pd$ ) Compounds*. J.Alloy.Comp. **315** (2001) 22.
98. M.Kolenda, M.D.Koterlin, M.Hofmann, B.Penc, A.Szytuła, A.Zygmunt, J.Żukrowski, *Low Temperature Neutron Diffraction Study of the  $CeFe_2Al_8$  Compound*. J.Alloy.Comp. **327** (2001) 21.
99. N.Kolenda, B.Penc, A.Szytuła, A.Oleś, A.Gil, M.Hofmann, A.Zygmunt, *Magnetic Phase Transitions in the  $TbTX_2$  Compounds ( $T$  - d-Electron Elements,  $X= Sb, Ge$ )*. Acta Phys.Pol.B **32** (2001) 3381.
100. B.Penc, M.Hofmann, A.Szytuła, A.Zygmunt, *Magnetic Structure and Magnetic Phase Transitions in  $TbPtGe_2$* . J.Phys. Cond.Matt. **13** (2001) 4471.
101. A.Szytuła, M.Hofmann, J.Leciejewicz, B.Penc, A.Zygmunt, *Magnetic Properties and Magnetic Structures of  $RIrSi$  ( $R= Rb-Er$ ) Series of Compounds*. J.Alloy.Comp. **316** (2001) 58.
102. A.Szytuła, T.Jaworska-Gołąb, S.Baran, B.Penc, J.Leciejewicz, M.Hofmann, A.Zygmunt, *Magnetic Structure of  $HoPd_2Si_2$  Redefined on the Basis of New Neutron Diffraction Data*. J.Phys. Cond.Matt. **13** (2001) 8007.
103. Ł.Gondek, A.Szytuła, N.Stęer, A.Zygmunt, *Magnetic Structure of  $Tb_2CuGe_3$* . Solid State Commun. **124** (2002) 199.
104. T.Jaworska-Gołąb, Ł.Gondek, A.Szytuła, A.Zygmunt, B.Penc, J.Leciejewicz, S.Baran, N.Stęer, *Neutron Diffraction and Magnetization Studies of Pseudoternary  $HoRh_{2-x}Pd_xSi_2$  Solid Solutions ( $0 < x < 2$ )*. J.Phys. Cond.Matt. **14** (2002) 5315.
105. L.Romaka, B.Penc, S.Baran, J.Leciejewicz, A.Szytuła, N.Stüßer, J.Hernández-Velasco, A.Zygmunt, *Magnetic Structures of  $RNiSn_2$  ( $R= Tb, Dy, Ho$ ) Compounds*. J.Alloy.Comp. **343** (2002) 66.
106. A.Szytuła, W.Bażela, Ł.Gondek, T.Jaworska-Gołąb, B.Penc, N.Stüßer, A.Zygmunt, *Neutron Diffraction and Magnetization Studies of Magnetic Ordering in  $RAuIn$  ( $R= Tb, Dy, Ho$ )*. J.Alloy.Comp. **336** (2002) 11.
107. Z.Tomkowicz, M.Bałanda, A.J.Zaleski, *AC and DC Magnetic Studies of Critical Currents in Ceramics of the  $Ho_{1-x}Pr_xBa_2Cu_3O_{7-d}$  System*. Physica C **370** (2002) 259.
108. W.Bażela, E.Wawrzyńska, B.Penc, N.Stüßer, A.Szytuła, A.Zygmunt, *Magnetic Structures of  $R_2RhSi_3$  ( $R= Ho, Er$ ) Compounds*. J.Alloy.Comp. **360** (2003) 76.
109. A.Gil, B.Penc, S.Baran, J.Hernández-Velasco, A.Szytuła, A.Zygmunt, *Magnetic Structures of*

- $RNi_xSn_2$  ( $R=Tb, Ho$ ) Compounds. *J.Alloy.Comp.* **361** (2003) 32.
110. Ł.Gondek, B.Penc, N.Stüßer, A.Szytuła, A.Zygmunt, *Magnetic Structures and Phase Transitions in TbRhSi, DyRhSi and HoRhSi*. *Phys.stat.sol.(a)* **196** (2003) 305.
111. Ł.Gondek, B.Penc, A.Szytuła, A.Jeziński, A.Zygmunt, *Electronic Structure and Magnetic Properties of CeTIn ( $T= Ni, Au$ ) Compounds*. *Acta Phys.Pol.B* **34** (2003) 1209.
112. Ł.Gondek, A.Szytuła, B.Penc, J.Hernández-Velasco, A.Zygmunt, *Magnetic Structures of RTIn ( $R = Ce, Er; T = Au, Ni$ ) Compounds*. *J.Magn.Magn.Mater.* **262** (2003) L177.
113. B.Penc, A.Szytuła, J.Hernández-Velasco, A.Zygmunt, *Antiferromagnetic Properties of Ternary Galides RRhGa ( $R = Tb, Ho$  and  $Er$ )*. *J.Magn.Magn.Mater.* **256** (2003) 373.
114. A.Szytuła, A.Jeziński, B.Penc, A.Winiarski, A.Leithe-Jasper, D.Kaczorowski, *Electronic Structure of YbTX Compounds*. *J.Alloy.Comp.* **360** (2003) 41.
115. A.Szytuła, E.Wawrzyńska, B.Penc, N.Stüßer, A.Zygmunt, *Magnetic Properties of  $R_3Cu_4X_4$  ( $R = Gd-Er; X = Ge, Sn$ ) Compounds*. *Physica B* **327** (2003) 167.
116. E.Wawrzyńska, J.Hernández-Velasco, B.Penc, W.Sikora, A.Szytuła, A.Zygmunt, *Magnetic Ordering of  $R_3Cu_4Sn_4$  ( $R = Tb, Dy, Ho$  and  $Er$ )*. *J.Phys. Cond.Matt.* **15** (2003) 5279.
117. E.Wawrzyńska, J.Hernández-Velasco, B.Penc, A.Szytuła, A.Zygmunt, *Magnetic Structures of  $R_3Cu_4Ge_4$  ( $R = Tb, Dy, Ho, Er$ )*. *J.Magn.Magn.Mater.* **264** (2003) 192.
118. E.Wawrzyńska, B.Penc, J.Hernández-Velasco, A.Szytuła, A.Zygmunt, *Neutron Diffraction Studies of the Magnetic Structure of  $Ho_3Pd_4Ge_4$* . *J.Alloy.Comp.* **350** (2003) 68.
119. J.Dmytryk, A.Kotarba, H.Grabowska, R.Klimkiewicz, *Changes in Surface Composition of Fe-Si-Cr-K Oxide Alkylation Catalyst: the Marked Role of Potassium Ferrites*. *Res.Chem.Intermed.* **30** (2004) 337.
120. A.Gil, D.Kaczorowski, J.Hernández-Velasco, B.Penc, E.Wawrzyńska, A.Szytuła, *Magnetic Structures of  $RCu_xGe_2$  ( $R = Ho, Er$ ) Compounds*. *J.Alloy.Comp.* **384** (2004) L4.
121. A.Gil, B.Penc, E.Wawrzyńska, J.Hernández-Velasco, A.Szytuła, A.Zygmunt, *Magnetic Properties and Magnetic Structures of  $RCo_xSn_2$  ( $R= Gd-Er$ ) Compounds*. *J.Alloy.Comp.* **365** (2004) 31.
122. T.Jaworska-Gołąb, A.Szytuła, S.Baran, B.Penc, A.Zygmunt, N.Stüßer, *Magnetic Ordering of  $TbRu_{2-x}Pd_xSi_2$  Solid Solutions Investigated by Magnetometric and Powder Neutron-Diffraction Methods*. *Physica B* **350** Suppl. (2004) e183.
123. B.Penc, E.Wawrzyńska, A.Szytuła, A.Gil, J.Hernández-Velasco, A.Zygmunt, *Magnetic Structure of  $ErT_xSn_2$  ( $T = Co, Ni$ ) Compounds*. *J.Alloy.Comp.* **375** (2004) L1.
124. A.Szytuła, B.Penc, E.Wawrzyńska, J.Hernández-Velasco, A.Zygmunt, *Magnetic Structure of  $HoPd_2Ge_2$* . *J.Alloy.Comp.* **365** (2004) 39.
125. A.Szytuła, E.Wawrzyńska, B.Penc, J.Hernández-Velasco, A.Zygmunt, *Magnetic Ordering and Phase Transitions in  $R_3Cu_4X_4$* . *J.Magn.Magn.Mater.* **272** (2004) 618.
126. A.Szytuła, E.Wawrzyńska, B.Penc, N.Stüßer, Z.Tomkiewicz, A.Zygmunt, *Magnetic Properties and Electronic Structure of  $R_3T_4X_4$  ( $R: La-Nd, Gd-Er; T: Mn, Cu; X: Ge, Sn$ ) Compounds*. *J.Alloy.Comp.* **367** (2004) 224.

127. A.Szytuła, E.Wawrzyńska, A.Zygmunt, *Crystal Structure and Magnetic Properties of GdCo<sub>6</sub>X<sub>6</sub> (X= Ge, Sn) and TbCo<sub>6</sub>Ge<sub>6</sub>*. J.Alloy.Comp. **366** (2004) L16.
128. M.Kružel, K.Królas, L.Muszyński, V.I.Zaremba, W.Suski, *Site Occupation of In in RAg<sub>6</sub>In<sub>6</sub> Studied Using PAC Spectroscopy*. Hyperf.Interact. **158** (2004) 333.
129. S.Baran, Ł.Gondek, J.Hernández-Velasco, D.Kaczorowski, A.Szytuła, *Magnetic Ordering in HoFe<sub>0.33</sub>Ge<sub>2</sub>*. J.Magn.Magn.Mater. **285** (2005) 188.
130. Ł.Gondek, S.Baran, A.Szytuła, D.Kaczorowski, J.Hernández-Velasco, *Crystal and Magnetic Structures of RPdIn (R = Nd, Ho, Er) Compounds*. J.Magn.Magn.Mater. **285** (2005) 272.
131. J.Spalek, A.Ślebarski, J.Goraus, L.Spalek, K.Tomala, A.Zarzycki, A.Hackemer, *From Kondo Semiconductor to a Singular Non-Fermi Liquid via a Quantum Critical Point: The Case of SeRhSb<sub>1-x</sub>Sn<sub>x</sub>*. Phys.Rev.B **72** (2005) 155112.
132. S.Baran, Ł.Gondek, J.Hernández-Velasco, D.Kaczorowski, A.Szytuła, *Magnetic Ordering in RPtIn (R= Dy and Ho) Ternary Intermetallics*. J.Magn.Magn.Mater. (2006) in print.
133. S.Baran, Ł.Gondek, J.Hernández-Velasco, D.Kaczorowski, A.Szytuła, *Ferromagnetic Ordering in ErPtIn*. J.Magn.Magn.Mater. **300** (2006) 484.
134. S.Baran, F.Henkel, D.Kaczorowski, J.Hernández-Velasco, B.Penc, N.Stüßer, A.Szytuła, E.Wawrzyńska, *Magnetic Properties of the RCo<sub>x</sub>Ge<sub>2</sub> (R= Gd-Er) Compounds*. J.Alloy.Comp. **415** (2006) 1.
135. S.Baran, D.Kaczorowski, D.Sheptyakov, A.Szytuła, *Magnetic Ordering in DyRhSn*. J.Magn.Magn.Mater. **296** (2006) 89.
136. A.Szytuła, M.Bałanda, D.Kaczorowski, S.Baran, Ł.Gondek, J.Hernández-Velasco, B.Penc, N.Stüßer, E.Wawrzyńska, *Magnetic, Electronic and Transport Properties of RAg<sub>2</sub>Ge<sub>2</sub> (R= Pr, Nd) Compounds*. Intermetallics **14** (2006) 315.
137. A.Szytuła, A.Jeziński, B.Penc, E.Wawrzyńska, A.Zygmunt, *Magnetic Properties and Electronic Structure of Gd<sub>3</sub>Cu<sub>4</sub>X<sub>4</sub> (X = Ge, Sn)*. Phys.stat.sol.(b) **243** (2006) 299.
138. A.Szytuła, A.Jeziński, A.Winiarski, B.Penc, V.H.Tran, *Photoemission Studies and Electronic Structure of U<sub>2</sub>T<sub>2</sub>In (T= Ni, Rh, Pt) Compounds*. J.Phys. Cond.Matt. **18** (2006) 4355.
139. A.Szytuła, D.Kaczorowski, M. Kalychak, B. Penc, and Yu.Tyvanchuk, *Electronic structure and magnetic properties of CeCuIn*, J. Alloys Compd., submitted.
140. S.Baran, D.Kaczorowski, D.Sheptyakov, W.Sikora, and A.Szytuła, *Magnetic ordering in HoRhSn*, J. Magn. Magn. Mater., submitted.
141. Ł.Gondek, A.Szytuła, D.Kaczorowski, A.Szewczyk, and M.Gutowska, *Complex magnetic properties of Ho<sub>3</sub>Cu<sub>4</sub>Sn<sub>4</sub>*, J. Phys.: Condens. Matter, submitted.
142. Ł.Gondek, A.Szytuła, D.Kaczorowski, Ya.Kalychak, B.Penc, J.Hernandez-Velasco, and Yu.Tyvanchuk, *Magnetism and electronic structure of RTIn (R = Ce, Pr, Nd; T = Ni, Cu, Pd, Au) ternary compounds*, J. Alloys Compd., submitted.
143. D.Kaczorowski, M.Konyk, A.Szytuła, L.Romaka, and O.Bodak, *Magnetic properties of the R<sub>2</sub>CuGe<sub>6</sub> (R=Gd, Tb, Dy, Er) ternary compounds*, J. Alloys Compd., submitted.

144. Z.Drzazga, W.Suski, K.Wochowski, J.Wójcik, A.Winiarska, *Magnetic Anisotropy of  $UFe_{10-x}Ni_xSi_2$  Intermetallic Alloys*. Acta Phys.Pol.A **98** (2000) 555.
145. Z.Drzazga, A.Winiarska, A.Winiarski, D.Kaczorowski, *Breakdown of the De Gennes Scaling in  $Y_{1-x}Dy_xNi_2B_2C$* . Acta Phys.Pol.A **97** (2000) 221.
146. J.Gabryś-Pisarska, M.Żelechower, W.A.Pisarski, S.Gołąb, M.Bałuka, W.Ryba-Romanowski, *Optical Properties of Fluoroindate Glasses Doped with Rare Earth Ions*. Opt.Appl. **30** (2000) 517.
147. J.Rybczyński, A.Ratuszna, A.Waśkowska, P.Daniel, J.Y.Gesland, *Investigation of the Crystal Structure of the Hexagonal  $RbZnF_3$  Perovskite by Powder and Single Crystal X-ray Diffraction Methods*. Mater.Sci.Forum **321** (2000) 942.
148. A.Ślebarski, A.Jezierski, A.Zygmunt, *Band Gap Stability in Kondo Insulators*. Acta Phys.Pol.A **97** (2000) 59.
149. A.Wrona, A.Ślebarski, A.Jezierski, A.Zygmunt, S.Plogmann, M.Neumann, *Electronic Structure of  $Ni_{2-x}Pd_xTiSn$  Alloys*. J.Magn.Magn.Mater. **213** (2000) 157.
150. G.Chełkowska, J.A.Morkowski, A.Szajek, R.Troć, *Electronic Structure and X-ray Photoemission Spectrum of Kondo Dense Compound  $UCu_5Al$* . Phys.Rev.B **64** (2001) 75119.
151. Z.Drzazga, D.Kaczorowski, A.Winiarska, A.Winiarski, *Coexistence of Superconductivity and Magnetism in  $Y_{1-x}Dy_xNi_2B_2C$  Single Crystals*. J.Alloy.Comp. **323/324** (2001) 562.
152. I.Jendrzewska, A.Waśkowska, T.Mydlarz, *Influence of Nickel Substitution on the Cation Distribution and Magnetic Properties of  $ZnCr_2Se_4$* . J.Alloy.Comp. **327** (2001) 73.
153. I.Okońska-Kozłowska, E.Malicka, A.Waśkowska, J.Heimann, T.Mydlarz, *Distribution of Metal Ions and Magnetic Properties in Spinel System  $CdCr_{2-x}Ga_xSe_4$* . J.Solid State Chem. **158** (2001) 34.
154. W.Ryba-Romanowski, S.Gołąb, G.Dominiak-Dzik, M.Żelechower, J.Gabryś-Pisarska, *Excited State Relaxation Dynamics and Non-Radiative Energy Transfer in Fluoroindate Glass Singly Doped with Thulium and Doubly Doped with Thulium and Terbium*. J.Alloy.Comp. **325** (2001) 215.
155. A.Ślebarski, A.Jezierski, M.B.Maple, A.Zygmunt, *Hybridization Gap in Some Ternary f-Electron and d-Electron Intermetallics*. Acta Phys.Pol.B **32** (2001) 3331.
156. E.Talik, A.Winiarski, B.Kotur, W.Suski,  *$ScFe_4Al_8$ : Technology and Properties of Single Crystal Samples*. Cryst.Res.Technol. **36** (2001) 1119.
157. A.Waśkowska, L.Gerward, J.Staun Olsen, S.Steenstrup, E.Talik,  *$CuMn_2O_4$ : Properties and the High-Pressure Induced Jahn-Teller Phase Transition*. J.Phys. Cond.Matt. **13** (2001) 2549.
158. G.Chełkowska, J.A.Morkowski, A.Szajek, R.Troć, *Dense Kondo Compound  $UCu_5Sn$  - Electronic Structure and X-ray Photoemission*. J.Phys. Cond.Matt. **14** (2002) 3199.
159. G.Chełkowska, J.A.Morkowski, A.Szajek, R.Troć, *Electronic Band Structure and the X-ray Photoemission Spectrum of  $UCu_5In$* . Phil.Mag.B **82** (2002) 1893.
160. Z.Drzazga, A.Winiarska, D.Kaczorowski, *Magnetic Anisotropy of  $Y_{1-x}Dy_xNi_2B_2C$  Single Crystals*. J.Magn.Magn.Mater. **242** (2002) 829.
161. A.Ślebarski, M.Radłowska, T.Zawada, M.B.Maple, A.Jezierski, A.Zygmunt, *Experimental Study of*

- the Physical Properties in the Complex Magnetic Phase Diagram of Ce<sub>1-x</sub>La<sub>x</sub>RhSn*. Phys.Rev.B **66** (2002) 104434.
162. A.Ślebarski, M.Radłowska, A.Zygmunt, A.Jeziński, *Electronic Structure Studies of CeRhSb with Rh Substituted by Pd and Ni*. Phys.Rev.B **65** (2002) 205110.
163. A.Ślebarski, A.Wrona, T.Zawada, A.Jeziński, A.Zygmunt, K.Szot, S.Chiuzbaian, M.Neumann, *Electronic Structure of Some Heusler Alloys Based on Aluminum and Tin*. Phys.Rev.B **65** (2002) 144430.
164. A.Waśkowska, L.Gerward, J.Staun Olsen, E.Malicka, *Crystal Lattice Dilatation in Cd-Cr-Se Spinels with Gallium Admixtures*. Acta Cryst.A **58** Suppl. (2002) C149.
165. A.Waśkowska, L.Gerward, J.Staun Olsen, E.Malicka, *Temperature- and Pressure-Induced Lattice Distortion in CdCr<sub>2-x</sub>Ga<sub>x</sub>Se<sub>4</sub> (x=0,0.06, and 0.12)*. J.Phys. Cond.Matt. **14** (2002) 12 423.
166. G.Chełkowska, J.A.Morkowski, A Szajek, J.Stłpień-Damm, R.Troć, *Electronic Structure and Photoemission Studies on Kondo Semimetal U<sub>2</sub>Ru<sub>2</sub>Sn*. Eur.Phys.J.B **35** (2003) 349.
167. V.M.Dmitriev, N.N.Prentslau, I.V.Zolocheskii, L.A.Ishchenko, B.Ya.Kotur, W.Suski, E.Talik, A.V.Terekhov, *Superconductivity, Negative Magnetoresistance and Electrical Conduction Anisotropy in YFe<sub>4</sub>Al<sub>8</sub> and ScFe<sub>4</sub>Al<sub>8</sub> Single Crystals in the Frequency Range 0-10<sup>8</sup> Hz*. Fiz.Nizk.Temp. **29** (2003) 1189; Low Temp.Phys. **29** (2003) 901.
168. J.Pisarska, M.Ślżok, M.Żelechower, W.A.Pisarski, T.Goryczka, W.Ryba-Romanowski, *Physical Properties of InF<sub>3</sub>-Based Glasses*. Opt.Appl. **33** (2003) 133.
169. J.Pisarska, M.Ślżok, M.Żelechower, S.Serkowski, T.Goryczka, W.A.Pisarski, W.Ryba-Romanowski, *Some Properties of InF<sub>3</sub>-Based Fluoride Glasses Doped with Tm<sup>3+</sup> and Tm<sup>3+</sup>-Tb<sup>3+</sup> Ions*. Proc.SPIE **5028** (2003) 181.
170. W.A.Pisarski, J.Pisarska, W.Ryba-Romanowski, *Effect of Erbium Concentration on Physical Properties of Fluoroindate Glass*. Chem.Phys.Lett. **380** (2003) 604.
171. W.A.Pisarski, J.Pisarska, W.Ryba-Romanowski, *Judd-Ofelt Analysis and Emission Properties of Eu<sup>3+</sup> Ions in Fluoroindate Glasses*. Proc.SPIE **5028** (2003) 225.
172. A.Szytuła, A.Jeziński, B.Penc, A.Winiarski, A.Leithe-Jasper, D.Kaczorowski, *Electronic Structure of YbTX Compounds*. J.Alloy.Comp. **360** (2003) 41.
173. E.Talik, M.-E.Lucas, W.Suski, R.Troć, *XPS Spectra of the AFe<sub>4</sub>Al<sub>8</sub> Compounds with A = Y, Sc, U and Th*. J.Alloy.Comp. **350** (2003) 72.
174. V.M.Dmitriev, J.Stępień-Damm, W.Suski, E.Talik, N.N.Prentslau, *Possible Coexistence of Antiferromagnetism, Spin-Glass, and Superconductivity in ScFe<sub>4</sub>Al<sub>8</sub> and YFe<sub>4</sub>Al<sub>8</sub> Single Crystals*. Phys.stat.sol.(c) **1** (2004) 1824.
175. Z.Drzazga, J.Habdas, D.Kaczorowski, A.Winiarska, *Magnetic Properties of Some Meso-Tolyl- and Meso-Pirydył- Porphyrins and Their Metal Derivatives*. J.Magn.Magn.Mater. **272-276** (2004) 1074.
176. I.Jendrzewska, M.Żelechower, K.Szamocka, T.Mydlarz, A.Waśkowska, I.Okońska-Kozłowska, *Growth of the Single Crystals of Cd<sub>x</sub>Ni<sub>y</sub>Cr<sub>z</sub>Se<sub>4</sub> and Their Magnetic Properties*. J.Cryst.Growth **270** (2004) 30.
177. H.Misiorek, J.Stępień-Damm, W.Suski, E.Talik, B.Y.Kotur, V.M.Dmitriev, *Lattice Parameters, Magnetic Susceptibility and Thermal Conductivity of ScFe<sub>4</sub>Al<sub>8</sub> and Yfe<sub>4</sub>Al<sub>8</sub>*. J.Alloy.Comp. **363**

(2004) 78.

178. J.A.Morkowski, A.Szajek, Z.Bukowski, C.Sułkowski, R.Troć, G.Chełkowska, *Magnetic Susceptibility, Transport Properties, XPS and Electronic Structure of UCoGa<sub>5</sub>*. J.Magn.Magn.Mater. **272** (2004) 323.
179. I.Okońska-Kozłowska, K.Szamocka, E.Malicka, A.Waśkowska, J.Heimann, T.Mydlarz, A.Gilewski, T.Groń, *The Crystal Structure and Properties of Ga<sub>2</sub>Cr<sub>1.33</sub>Se<sub>5</sub>, a New Layered Semiconductor*. J.Alloy.Comp. **366** (2004) 21.
180. W.A.Pisarski, J.Pisarski, G.Dominiak-Dzik, W.Ryba-Romanowski, *Visible and Infrared Spectroscopy of Pr<sup>3+</sup> and Tm<sup>3+</sup> Ions in Lead Borate Glasses*. J.Phys. Cond.Matt. **16** (2004) 6171.
181. A.Ślebarski, A.Czopnik, A.Zygmunt, T.Zawada, *Thermal and Magnetic Properties of Ce<sub>1-x</sub>La<sub>x</sub>RhSn Near the Critical Concentration*. J.Phys. Cond.Matt. **16** (2004) 4897.
182. A.Ślebarski, W.Głogowski, A.Jezierski, J.Deniszczyk, A.Czopnik, A.Zygmunt, *Electronic Structure and Magnetic Properties CePdSb and Ce<sub>1-x</sub>La<sub>x</sub>PdSb*. Phys.Rev.B **70** (2004) 184429.
183. A.Ślebarski, J.Goraus, A.Hackemer, M.Sołyga, *Electronic Structure and Thermodynamic Properties of CeRhAl*. Phys.Rev.B **70** (2004) 195123.
184. A.Szajek, J.A.Morkowski, A.Bajorek, G.Chełkowska, T.Troć, *Electronic Structure and X-ray Photoemission Spectra of the Compounds APtSn (A= Th, U)*. J.Magn.Magn.Mater. **281** (2004) 281.
185. R.Troć, Z.Bukowski, C.Sułkowski, H.Misiorek, J.A.Morkowski, A.Szajek, G.Chełkowska, *Electronic Structure, Magnetic and Transport Studies of Single-Crystalline UCoGa<sub>5</sub>*. Phys.Rev.B **70** (2004) 184443.
186. T.Groń, A.Krajewski, J.Kusz, E.Malicka, I.Okońska-Kozłowska, A.Waśkowska, *Thermoelectric Power of CdCr<sub>2-x</sub>Ga<sub>x</sub>Se<sub>4</sub> p-Type Spinel Semiconductors*. Phys.Rev.B **71** (2005) 35208.
187. M.Kulpa, E.Talik, A.Winiarski, T.Mydlarz, A.Gilewski, J.Kusz, H.Böhm, W.Suski, *Electronic Structure and Magnetic Investigation of ScMn<sub>2</sub> Single Crystal*. J.Alloy.Comp. **386** (2005) 82.
188. W.A.Pisarski, J.Pisarska, T.Goryczka, G.Dominiak-Dzik, W.Ryba-Romanowski, *Influence of Thermal Treatment on Spectroscopic Properties of Er<sup>3+</sup> Ions in Multicomponent InF<sub>3</sub>-Based Glasses*. J.Alloy.Comp. **398** (2005) 272.
189. W.A.Pisarski, J.Pisarska, W.Ryba-Romanowski, *Structural Role of Rare Earth Ions in Lead Borate Glasses Evidenced by Infrared Spectroscopy: BO<sub>3</sub> -> BO<sub>4</sub> Conversion*. J.Mol.Struct. **744** (2005) 515.
190. J.Spalek, A.Ślebarski, J.Goraus, L.Spalek, K.Tomala, A.Zarzycki, A.Hackemer, *From Kondo Semiconductor to a Singular Non-Fermi Liquid via a Quantum Critical Point: The Case of SeRhSb<sub>1-x</sub>Sn<sub>x</sub>*. Phys.Rev.B **72** (2005) 155112.
191. A.Szajek, J.A.Morkowski, A.Bajorek, G.Chełkowska, T.Troć, *X-ray Photoemission Spectra and Electronic Band Structure of the Ternary Compounds U<sub>3</sub>M<sub>2</sub>M'<sub>3</sub>, M=Al, Ga; M'=Si, Ge*. J.Alloy.Comp. **386** (2005) 75.
192. E.Talik, M.Klimczak, A.Winiarski, R.Troć, *Gd<sub>7</sub>T<sub>3</sub> (T= Rh, Pd) Intermetallics Crystal Growth*. J.Cryst.Growth **283** (2005) 547.
193. M.Klimczak, E.Talik, A.Winiarski, R.Troć, *Magnetic Properties of R<sub>5</sub>Pd<sub>2</sub>-Type (R = Tb, Dy, Ho, Er) Compounds*. J.Alloy.Comp. (2006) in press.

194. A.Szytuła, A.Jezierski, A.Winiarski, B.Penc, V.H.Tran, *Photoemission Studies and Electronic Structure of  $U_2T_2In$  ( $T= Ni, Rh, Pt$ ) Compounds*. J.Phys. Cond.Matt. **18** (2006) 4355.
195. E.Talik, B.Idzikowski, W.Suski, (Editors) *Preface*. J.Alloy.Comp. (2006) in press.
196. E.Talik, M.Klimczak, R.Troć, J.Kusz, W.Hofmeister, A.Damm, *Comparison of the Magnetic Properties of  $Gd_7T_3$  ( $T = Pd$  and  $Rh$ ) Single Crystals*. J.Alloy.Comp. (2006) in press.
197. E.Malicka, A.Waškowska, T.Mydlarz, and D.Kaczorowski, *Structural and magnetic properties of single-crystalline spinel systems  $ZnCr_{2-x}Al_xSe_4$  ( $x = 0.15$  and  $0.23$ )*, J. Alloys Compd., in press.
198. V.H.Tran, M.Gamża, A.Ślebarski, and J.Jarmulska, *Magnetism and electronic structure of an intermetallic compound  $Ce_5CuBi_3$* , Phys. Rev. B, in press.
199. V.H.Tran, M.Gamża, A.Ślebarski, W.Miiller, and J.Jarmulska, *Magnetism of the series of intermetallic  $Ce_5CuM_3$  compounds, where  $M=Sn, Pb$  and  $Bi$* , J. Alloys Comp., in press.

## IFM PAN – IF UŚ

200. A. Wrona, A. Ślebarski, A. Jezierski, A. Zygmunt, S. Plogmann, and M. Neumann, *Electronic structure of  $Ni_{2-x}Pd_xTiSn$  alloys*, J. Magn. Magn. Mater., **213** (2000) 157.
201. A. Ślebarski, A. Jezierski, A. Zygmunt, *Band gap stability in Kondo insulators*, Acta Phys.Polonica, **97** (2000) 59.
202. A. Ślebarski, M. Orzechowska, A. Wrona, J. Szade, and A. Jezierski, *Electronic structure of some ternary  $d$  and  $f$  electron intermetallics*, J. Phys.:Condens. Matter **12** (2000) 1269.
203. A. Kowalczyk, A. Ślebarski, A. Szajek, J. Bszynski and A. Winiarski, *X-ray photoemission spectra of  $La_{0.7}Sr_{0.3}MnO_3$  perovskite*, J. Magn. Magn. Mater., **212** (2000) 107.
204. A. Kowalczyk, A. Szajek, A. Ślebarski J. Bszynski and A. Winiarski, *Electronic Structure of  $La_{0.65}Pb_{0.35}MnO_3$  perovskite studied by X-ray photoemission spectroscopy*, J. Magn. Magn. Mater. **217** (2000) 44.
205. A. Ślebarski, M. B. Maple, E. J. Freeman, C. Sirvent, D. Twruszka, M. Orzechowska, A. Wrona, A. Jezieski, S. Chiuzaian and M. Neumann, *Weak ferromagnetism induced by atomic disorder in  $Fe_2TiSn$* , Phys. Rev. B **62** (2000) 3296.
206. A. Jezierski and A. Ślebarski, *Magnetism in disordered  $Pd_{2-x}Ni_xTiSn$  alloys*, J. Magn. Magn. Mater. **219** (2000) 213.
207. A. Jezierski and A. Ślebarski, *Atomic disorder and magnetism in  $Fe_2TiSn$  alloy*, J. Magn. Magn. Mater. **223** (2001) 33.
208. A. Ślebarski, E.D. Bauer, Shi Li, M.B. Maple and A. Jezierski, *Electronic structure and magnetic properties of  $CeNiSb$* , Phys. Rev. B, **63** (2001) 125126.
209. A. Kowalczyk, J. Baszyński, A. Szajek, A. Ślebarski and T. Toliński, *Electronic structure of doped  $LaMnO_3$  perovskite studied by x-ray photoemission spectroscopy*, J. Phys.: Condens. Matter, **13** (2001) 5519.
210. A. Ślebarski, A. Jezierski, M.B. Maple and A. Zygmunt, *Hybridization gap in some ternary  $f$ -electron and  $d$ -electron intermetallics*, Acta Physica Polonica B, **32** (2001) 3331.

211. A. Szajek, A. Kowalczyk, J. Baszynski, T. Tolinski, A. Ślebarski, *Core Photoemission Spectra of Oxygen Atoms in Perovskite Manganites*  $\text{La}_{1-x}\text{A}_x\text{MnO}_3$  (A=Sr, Pb), *Czech. J. Phys.*, **52** (2002) A261.
212. A. Ślebarski, M.B. Maple, E. J. Freeman, C. Sirvent, M. Radlowska, A. Jezierski, E. Granado, Q. Huang, and J.W. Lynn, *Strongly correlated electron behaviour in the compound CeRhSn*, *Phil. Mag. B*, **82** (2002) 943.
213. A. Ślebarski, M. Radlowska, A. Zygmunt, A. Jezierski, *Electronic structure studies on the CeRhSb substituted by Pd and Ni*, *Phys. Rev. B* **65** (2002) 205110.
214. A. Ślebarski, A. Wrona, T. Zawada, A. Jezierski, A. Zygmunt, K. Szot, S. Chiuzbaian, M. Neumann, *Electronic structure of some Heusler alloys based on aluminum and tin*, *Phys. Rev. B* **65** (2002), 144430.
215. A. Ślebarski, M. Radlowska, T. Zawada, M.B. Maple, A. Jezierski, A. Zygmunt, *Experimental study of physical properties in the complex magnetic phase diagram of  $\text{Ce}_{1-x}\text{La}_x\text{RhSn}$* , *Phys. Rev. B* **66** (2002) 104434.
216. A. Ślebarski and A. Jezierski, *Non-Fermi liquid behavior in CeRhSn coexistent with magnetic order*, *Phys. Stat. Sol. B* **236** (2003) 340.
217. A. Ślebarski and A. Jezierski, *Electronic structure and thermodynamical properties of some ternary d and f electron intermetallics*, *Mol. Phys. Rep.* **38** (2003) 47.
218. A. Ślebarski, J. Deniszczyk, W. Borgieł, A. Jezierski, M. Swatek, A. Winiarska, M.B. Maple, and W.M. Yuhasz, *Electronic structure and thermodynamical properties of the Heusler alloys  $\text{Fe}_2\text{Ti}_{1-x}\text{V}_x\text{Sn}$* , *Phys. Rev. B* **69** (2004) 155118.
219. A. Ślebarski, W. Głogowski, A. Jezierski, J. Deniszczyk, A. Czopnik, and A. Zygmunt, *Electronic structure and magnetic properties of CePdSb and  $\text{Ce}_{1-x}\text{La}_x\text{PdSb}$  system*, *Phys. Rev. B* **70** (2004) 184429.
220. A. Ślebarski, J. Goraus, A. Jezierski, A. Zygmunt, *Anomalous low temperature state in CeRhAl*, *Phys. Rev. B*, **70** (2004) 195123.
221. A. Ślebarski, T. Zawada, J. Spalek, and A. Jezierski, *The effect of Sn doping on the coherence Kondo gap in CeRhSb and the emergence of a non-Fermi liquid state in  $\text{CeRhSb}_{1-x}\text{Sn}_x$* , *Phys. Rev. B*, **70** (2004) 235112.

## IF UJ – IF UŚ

222. A. Ślebarski, T. Zawada, J. Spalek, and A. Jezierski, *The effect of Sn doping on the coherence Kondo gap in CeRhSb and the emergence of a non-Fermi liquid state in  $\text{CeRhSb}_{1-x}\text{Sn}_x$* , *Phys. Rev. B* **70** (2004) 235112.
223. A. Ślebarski, T. Zawada, J. Spalek, *Coherent Kondo insulating and non-Fermi liquid ground states in  $\text{CeRhSb}_{1-x}\text{Sn}_x$* , *Physica B* **359-361** (2005) 118.
224. A. Ślebarski and J. Spalek, *Universal scaling and quantum critical behavior of  $\text{CeRhSb}_{1-x}\text{Sn}_x$* , *Phys. Rev. Lett.* **95** (2005) 046402.
225. J. Spalek, A. Ślebarski, J. Goraus, L. Spalek, K. Tomala, A. Zarzycki, and A. Hackemer, *From Kondo semiconductor to a singular non-Fermi liquid via a novel quantum critical point: the case of  $\text{CeRhSb}_{1-x}\text{Sn}_x$* , *Phys. Rev. B* **72** (2005) 155112.

226. A. Ślebarski, J. Spalek, M. Gamza, and A. Hackemer, *Nonuniversality of the non-Fermi liquid state in CeRhSb<sub>1-x</sub>Sn<sub>x</sub> compounds on the Sn-rich side*, Phys. Rev. B **73** (2006) 205115.
227. A. Ślebarski and J. Spalek, *Quantum critical behavior at the Kondo insulator-non-Fermi liquid boundary for CeRhSb<sub>1-x</sub>Sn<sub>x</sub>*, Physica B **378-380** (2006) 152.
228. A. Szytuła, A. Jezierski, B. Penc, D. Fusa, *Valence band studies of the RTX (R=Pr, Nd; T=Cu, Ag, Au; X=Ge, Sn) compounds*, J. Magn. Magn. Mater. **222** (2000) 227.
229. E. Wawrzyska, A. Jezierski, B. Penc, A. Szytuła, *Electronic structure of the Ce<sub>2</sub>Co<sub>1-x</sub>Au<sub>x</sub>Si<sub>3</sub> compounds*, Phys. Stat. Sol. **196** (2002) 313.
230. A. Jezierski, B. Penc, A. Szytuła, D. Fus, *Electronic structure of the RPdSb (R = Pr, Nd) compounds*, Phys. Stat. Sol. **196** (2002) 309.
231. A. Jezierski, B. Penc, A. Szytuła, , *Electronic structures of LaNiIn and LaNiInH<sub>x</sub> (x= 1.3, 2.3, 1 and 4)* , J. Alloys Compd. **404-406** (2005) 2004.
232. A. Jezierski and A. Szytuła, *Band Structure Of Ternary YbTM (T = Transition Metal, M = Sn, Bi), Compounds Molecular Physics Reports* **40** (2004) 84.
233. A. Ślebarski, T. Zawada, J. Spalek, A. Jezierski, *Effect of Sn doping on the coherent Kondo gap in CeRhSb and the emergence of a non-Fermi-liquid state in CeRhSb<sub>1-x</sub>Sn<sub>x</sub>*, Phys. Rev. B **70** (2004) 235112.
234. A. Szytuła, A. Jezierski, B. Penc, M. Hofmann, S.J. Campbell, *Electronic structure of ternary YbMn<sub>2</sub>X<sub>2</sub> (=Si, Ge) compounds*, J. Alloy. Compd. **363** (2004) 46.
235. A. Szytuła, A. Jezierski, B. Penc, E. Wawrzyska, A. Zygmunt, *Magnetic properties and electronic structure of Gd<sub>3</sub>Cu<sub>4</sub>X<sub>4</sub> (X= Ge, Sn)*, Phys. Stat. Sol. **243** (2005) 299.