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## Spis publikacji / Publication list

### Monografie / Monographs

1. **D.Kaczorowski** and R.Troć, *Binary Actinide Oxides*, Landolt-Börnstein Numerical Data and Functional Relationship in Science and Technology, New Series, Editor in Chief: W.Martienssen, Group III: Condensed Matter, Vol. 27-C2, Magnetic Properties of Non-Metallic Inorganic Compounds Based on Transition Elements, Ed. H.P.J.Wijn, (Springer-Verlag, Berlin / Heidelberg / New York, 1999).
2. **D.Kaczorowski**, *Ternary Actinide Pnictides and Chalcogenides*, Landolt-Börnstein Numerical Data and Functional Relationship in Science and Technology, New Series, Editor in Chief: W.Martienssen, Group III: Condensed Matter, Vol. 27-B8, Magnetic Properties of Non-Metallic Inorganic Compounds Based on Transition Elements, Ed. H.P.J.Wijn, (Springer-Verlag, Berlin / Heidelberg / New York, 2004).
3. **D.Kaczorowski** and R.Troć, *Binary Non-Equiatomic Actinide Pnictides and Chalcogenides*, Landolt-Börnstein Numerical Data and Functional Relationship in Science and Technology, New Series, Editor in Chief: W.Martienssen, Group III: Condensed Matter, Vol. 27-B7, Magnetic Properties of Non-Metallic Inorganic Compounds Based on Transition Elements, Ed. H.P.J.Wijn, (Springer-Verlag, Berlin / Heidelberg / New York, 2005).

## Prace oryginalne / Original papers

1. Z.Żołnierek, **D.Kaczorowski**, R.Troć and H.Noël, "Crystal structure and magnetic studies of the uranium ternary pnictides", *J. Less-Common Met.* **121** (1986) 193-197.
2. Z.Żołnierek, H.Noël and **D.Kaczorowski** "Crystal structure of UCu<sub>2</sub>P<sub>2</sub>", *J. Less-Common Met.* **128** (1987) 265-268.
3. J.Stępień-Damm, **D.Kaczorowski** and R.Troć, "Preparation and crystal structure of UCuAs<sub>2</sub>", *J. Less-Common Met.* **132** (1987) 15-19.
4. Z.Żołnierek and **D.Kaczorowski**, "Anomalous behaviour of the metallic perovskite URh<sub>3</sub>B", *J. Magn. Magn. Mater.* **63&64** (1987) 178-180.
5. Z.Żołnierek, R.Troć and **D.Kaczorowski**, "Magnetic and electrical properties of the UCu<sub>5</sub>-UPd<sub>5</sub> system", *J. Magn. Magn. Mater.* **63&64** (1987) 184-186.
6. H.Noël, Z.Żołnierek, **D.Kaczorowski** and R.Troć, "Preparation and crystal structure of UCuP<sub>2</sub>", *J. Less-Common Met.* **132** (1987) 327-332.
7. H.Noël, Z.Żołnierek, **D.Kaczorowski**, R.Troć and J.Stępień-Damm, "Synthesis and crystal structure of a new ternary phosphide U<sub>4</sub>Cu<sub>4</sub>P<sub>7</sub>", *J. Less-Common Met.* **135** (1987) 61-66.
8. P.Fumagalli, J.Schoenes and **D.Kaczorowski**, "Optical and magneto-optical properties of UCuP<sub>2</sub>", *Solid State Commun.* **65** (1988) 173-176.
9. P.Fumagalli, J.Schoenes, H.Rüegsegger and **D.Kaczorowski**, "Optical and magneto-optical properties of ferromagnetic UCuP<sub>2</sub>, UCuAs<sub>2</sub> and UCu<sub>2</sub>P<sub>2</sub> single crystals", *Helv. Phys. Acta* **61** (1988) 829-832.
10. **D.Kaczorowski**, "Phenomenological crystal field approach for UCu<sub>2</sub>P<sub>2</sub> ferromagnet", *J. Magn. Magn. Mater.* **76&77** (1988) 366-368.
11. P.Fischer, A.Murasik, **D.Kaczorowski** and R.Troć, "Antiferromagnetism of UNi<sub>2</sub>P<sub>2</sub> and UNiAs<sub>2</sub> by neutron diffraction", *Physica B* **156&157** (1989) 829-831.
12. **D.Kaczorowski**, R.Duraj and R.Troć, "Pressure study of UCu<sub>2</sub>P<sub>2</sub>, UCuP<sub>2</sub> and UCuAs<sub>2</sub> ferromagnets", *Solid State Commun.* **70** (1989) 619-621.
13. N.Korner, J.Schoenes and **D.Kaczorowski**, "Hall effect and electrical resistivity of UCuP<sub>2</sub> single crystals", *Helv. Phys. Acta* **62** (1989) 207-210.
14. J.Schoenes, P.Fumagalli, H.Rüegsegger and **D.Kaczorowski**, "Optical and magneto-optical spectroscopy in UCuAs<sub>2</sub> and UCu<sub>2</sub>P<sub>2</sub>", *J. Magn. Magn. Mater.* **81** (1989) 112-120.
15. R.Troć, **D.Kaczorowski**, H.Noël and R.Guerin, "Crystal structure of U<sub>3</sub>NiAs<sub>4</sub>", *J. Less-Common Met.* **157** (1990) L1-L3.
16. R.Troć, **D.Kaczorowski**, H.Noël and R.Guerin, "Crystal structure of UNi<sub>1.6</sub>As<sub>2</sub>", *J. Less-Common Met.* **159** (1990) 121-125.
17. P.Fischer, A.Murasik and **D.Kaczorowski**, "Magnetic ordering in UPdAs<sub>2</sub> by neutron diffraction", *J. Phys.: Condens. Matter* **2** (1990) 3967-3972. ([reprint](#))
18. **D.Kaczorowski** and R.Troć, "Magnetic and transport properties of a strongly

- anisotropic ferromagnet  $UCu_2P_2$ ", *J. Phys.: Condens. Matter* **2** (1990) 4185-4196. ([reprint](#))
19. **D.Kaczorowski**, R.Troć and H.Noël, "Anomalous magnetic and electrical behaviour of a complex phosphide  $U_4Cu_4P_7$ ", *J.Less-Common Met.* **161** (1990) 239-244.
  20. **D.Kaczorowski** and J.Schoenes, "Electrical transport properties of  $UCuAs_2$  single crystals", *Solid State Commun.* **74** (1990) 143-146.
  21. C.Geibel, S.Thies, **D.Kaczorowski**, A.Mehner, A.Grauel, B.Seidel, U.Ahlheim, R.Helfrich, K.Petersen, C.D.Bredl and F.Steglich, "A new heavy-fermion superconductor:  $UNi_2Al_3$ ", *Z. Phys. B: Condensed Matter* **83** (1991) 305-306. ([reprint](#))
  22. **D.Kaczorowski**, H.Noël and R.Troć, "Crystal structure, magnetic and electrical properties of a new ternary arsenide  $U_2Cu_4As_5$ ", *J. Less-Common Met.* **170** (1991) 255-262.
  23. **D.Kaczorowski**, R.Troć and H.Noël, "Magnetic and transport properties of  $UCuP_2$  and  $UCuAs_2$  pnictides", *J. Phys.: Condensed Matter* **3** (1991) 4959-4970. ([reprint](#))
  24. R.Troć, **D.Kaczorowski**, H.Noël and T.Le Bihan, "Crystal structure of  $U_6Ni_{20}P_{19}$  and  $U_6Ni_{20}As_{19}$ ", *J. Alloys Compd.* **184** (1992) L27-L31.
  25. **D.Kaczorowski**, "Structural and magnetic properties of some new uranium ternary pnictides:  $UTX_2$  (T = Fe, Co, Ni, Cu; X = P, As, Sb, Bi)", *J. Alloys Compd.* **186** (1992) 333-338.
  26. J.Schoenes, **D.Kaczorowski** and C.Beeli, "Anisotropic transport properties of  $U_4Cu_4P_7$ ", *Z. Phys. B: Condensed Matter* **88** (1992) 135-140. ([reprint](#))
  27. J.Mucha, H.Misiorek, **D.Kaczorowski** and A.Jeżowski, "Thermal conductivity of  $UCuP_2$  and  $UCuAs_2$  single crystals", *J. Alloys Compd.* **189** (1992) 217-220.
  28. R.Pöttgen, **D.Kaczorowski** and W.Jeitschko, "Crystal structures, magnetic susceptibility and electrical conductivity of the uranium silicide carbides  $U_3Si_2C_2$  and  $U_{20}Si_{16}C_3$ ", *J. Materials Chem.* **3** (1993) 253-258. ([reprint](#))
  29. A.Böhm, **D.Kaczorowski**, G.Weber and F.Steglich, "Heat capacity of  $UCuP_2$  and  $UCuAs_2$  single crystals", *J. Alloys Compd.* **196** (1993) L11-L14. ([reprint](#))
  30. **D.Kaczorowski**, D.Finsterbusch and B.Lüthi, "Elastic effects in some ferromagnetic uranium pnictides", *Int. J. Mod. Phys. B* (Singapore) **7** (1993) 212-215.
  31. **D.Kaczorowski**, R.Pöttgen, Z.Gajek, A.Zygmunt and W.Jeitschko, "Crystal structure and magnetic susceptibility on  $UOSe$  single crystals", *J. Phys. Chem. Solids* **54** (1993) 723- 731. ([reprint](#))
  32. R.Pöttgen, J.H.Albering, **D.Kaczorowski** and W.Jeitschko, "Structure refinements of actinoid transition metal stannides  $AnT_{2-x}Sn_{2-y}$  (An = Th, U; T = Co, Ni, Cu) with defect  $CaBe_2Ge_2$  type structure", *J. Alloys Compd.* **196** (1993) 111-115. ([reprint](#))
  33. A.M.Strydom, P.de V. du Plessis, **D.Kaczorowski** and R.Troć, "Critical exponent  $\beta$  of  $U_3P_4$ ", *Physica B* **186-188** (1993) 785-787. ([reprint](#))
  34. R.Troć, **D.Kaczorowski**, M.Kolenda, A.Szytuła, M.Bonnet, J.Rossat-Mignod and H.Noël, "Magnetic behaviour of  $UCo_2P_2$ ", *Solid State Commun.* **87** (1993) 573-576. ([reprint](#))

35. **D.Kaczorowski**, Z.Żolnierek, C.Geibel and F.Steglich, "Magnetic and electrical properties of (U,Th)T<sub>2</sub>Sn<sub>2</sub> (T = Co, Ni, Cu) intermetallics", *J. Alloys Compd.* **200** (1993) 115-121. ([reprint](#))
36. R.Pöttgen and **D.Kaczorowski**, "Synthesis and characterisation of some new ternary uranium transition metal silicides U<sub>2</sub>TSi<sub>3</sub> (T = Fe, Co, Ni, Cu, Ru, Rh, Pd, Os, Ir, Pt, Au) with disordered AlB<sub>2</sub> and α-ThSi<sub>2</sub> type structures", *J. Alloys Compd.* **201** (1993) 157-159. ([reprint](#))
37. **D.Kaczorowski**, R.Troć, D.Badurski, A.Böhm, L.Shlyk and F.Steglich, "Magnetic to nonmagnetic transition in the pseudobinary system U(Ga<sub>1-x</sub>Sn<sub>x</sub>)<sub>3</sub>", *Phys. Rev. B* **48** (1993) 16425-16431. ([reprint](#))
38. **D.Kaczorowski** and H.Noël, "Spin-glass-like behaviour in U<sub>2</sub>TSi<sub>3</sub> (T = Fe, Co, Ni, Cu) intermetallics with disordered AlB<sub>2</sub>- and α-ThSi<sub>2</sub> type structures", *J. Phys.: Condens. Matter* **5** (1993) 9185-9195. ([reprint](#))
39. P.Burlet, R.Troć, **D.Kaczorowski**, H.Noël and J.Rossat-Mignod, "Magnetic ordering in U<sub>4</sub>Cu<sub>4</sub>P<sub>7</sub> single crystal", *J. Magn. Magn. Mater.* **130** (1994) 237-241. ([reprint](#))
40. Y.Inada, H.Aono, J.Kimura, A.Ishiguro, N.Sato, A.Sawada, T.Komatsubara, **D.Kaczorowski** and R.Troć, "dHvA effect on U<sub>3</sub>As<sub>4</sub>", *Physica B* **194-196** (1994) 1173-1174. ([reprint](#))
41. **D.Kaczorowski**, M.Potel and H.Noël, "Crystal structure of the first uranium oxyarsenide U<sub>2</sub>Cu<sub>2</sub>As<sub>3</sub>O", *J. Solid State Chem.* **112** (1994) 228-231. ([reprint](#))
42. R.Troć, P.Burlet, H.Noël, **D.Kaczorowski** and J.Rossat-Mignod, "A study of the magnetic transitions in UNi<sub>1.6</sub>As<sub>2</sub>", *Physica B* **202** (1994) 167-174. ([reprint](#))
43. R.Troć, **D.Kaczorowski**, L.Shlyk, M.Potel and H.Noël, "Crystal structure, magnetic and electrical transport studies of single crystals of the uranium mixed chalcogenides: US<sub>2</sub>Se, U<sub>2</sub>Te and USeTe", *J. Phys. Chem. Solids* **55** (1994) 815-823. ([reprint](#))
44. A.Delapalme, Z.Żolnierek, R.Troć and **D.Kaczorowski**, "Magnetisation density in a UCu<sub>2</sub>P<sub>2</sub> single crystal", *J. Phys.: Condens. Matter* **6** (1994) 8877-8889. ([reprint](#))
45. **D.Kaczorowski**, H.Noël, M.Potel, and A.Zygmunt, "Crystal structure, magnetic and electrical transport properties of UPS single crystals", *J. Phys. Chem. Solids* **55** (1994) 1363-1367. ([reprint](#))
46. **D.Kaczorowski**, J.H.Albering, H.Noël and W.Jeitschko, "Crystal structure and complex magnetic properties of a novel uranium oxyphosphide UCuPO", *J. Alloys Compd.* **216** (1994) 117-121. ([reprint](#))
47. V.H.Tran, **D.Kaczorowski**, T.Roisnel, R.Troć, H.Noël, F.Bourée and G.André, "Magnetic properties of UCuGa and U<sub>2</sub>CuGa<sub>3</sub> by ac magnetic susceptibility and neutron diffraction study", *Physica B* **205** (1995) 24-30. ([reprint](#))
48. H.Noël, M.Potel, L.Shlyk, **D.Kaczorowski** and R.Troć, "Synthesis and crystal structure of a novel uranium oxytelluride U<sub>4</sub>O<sub>4</sub>Te<sub>3</sub>", *J. Alloys Compd.* **217** (1995) 94- 96. ([reprint](#))
49. A.M.Strydom, P.de V.du Plessis, R.Troć and **D.Kaczorowski**, "Critical exponent β U<sub>3</sub>As<sub>4</sub>", *J. Magn. Magn. Mater.* **140-144** (1995) 1429-1430. ([reprint](#))

50. **D.Kaczorowski**, H.Noël and A.Zygmunt, "Magnetic studies on UXY (X = P, Sb; Y = Se, Te) single crystals", *J. Magn. Magn. Mater.* **140-144** (1995) 1431-1432. ([reprint](#))
51. L.Shlyk, R.Troć and **D.Kaczorowski**, "Magnetic and transport properties of some single-crystalline uranium selenides", *J. Magn. Magn. Mater.* **140-144** (1995) 1435-1436. ([reprint](#))
52. **D.Kaczorowski**, R.Troć, L.Shlyk, H.Noël and A.Zaleski, "On a study of novel uranium oxytelluride U<sub>4</sub>O<sub>4</sub>Te<sub>3</sub>", *J. Magn. Magn. Mater.* **140-144** (1995) 1437-1438. ([reprint](#))
53. **D.Kaczorowski**, H.Noël and M.Potel, "Structural, magnetic and electrical properties of new ternary uranium intermetallics: U<sub>3</sub>Cu<sub>4</sub>Si<sub>4</sub> and U<sub>3</sub>Cu<sub>4</sub>Ge<sub>4</sub>", *Physica B* **206&207** (1995) 457-460. ([reprint](#))
54. L.Shlyk, J.Stępień-Damm, R.Troć and **D.Kaczorowski**, "Antiferromagnetic behaviour of a novel single-crystalline uranium compound U<sub>2.75</sub>Te<sub>4</sub>", *J. Alloys Compd.* **219** (1995) 264-266. ([reprint](#))
55. R.Pöttgen, V.H.Tran, R.-D.Hoffmann, **D.Kaczorowski** and R.Troć, "Crystal structure and physical properties of UAuSi and UAu<sub>2</sub>", *J. Mater. Chem.* **6** (1996) 429. ([reprint](#))
56. G.E.Grechnev, A.S.Panvilov, I.V.Svechkarev, **D.Kaczorowski**, R.Troć and A.Czopnik, "Effect of pressure on magnetic properties of U(Ga<sub>1-x</sub>Sn<sub>x</sub>)<sub>3</sub> alloys", *J. Magn. Magn. Mat.* **157/158** (1996) 702-703. ([reprint](#))
57. **D.Kaczorowski** "Magnetic behaviour in UTSi<sub>2</sub> (T = Fe, Co, Ni) compounds", *Solid State Commun.* **99** (1996) 949-953. ([reprint](#))
58. **D.Kaczorowski** and N.Stüßer, "Neutron diffraction study of the magnetic ordering in UCu<sub>1.3</sub>Sn<sub>2</sub> and UNi<sub>1.4</sub>Sn<sub>2</sub>", *Solid State Commun.* **100** (1996) 43-45. ([reprint](#))
59. **D.Kaczorowski**, P.Rogl and K.Hiebl, "Magnetic behaviour in a series of cerium ternary intermetallics: Ce<sub>2</sub>T<sub>2</sub>In (T = Ni, Cu, Rh, Pd, Pt and Au)", *Phys. Rev. B* **54** (1996) 9891-9902. ([reprint](#))
60. **D.Kaczorowski**, M.Giovannini, R.Hauser, H.Michor, E.Bauer and G.Hilscher, "Field and pressure studies of Ce<sub>2</sub>Pd<sub>2</sub>In", *Czech. J. Phys.* **46** (1996) 2063-2064. ([reprint](#))
61. **D.Kaczorowski** and P.Rogl, "Magnetic behaviour in CeNiGa<sub>2</sub> and Ce<sub>2</sub>Ni<sub>2</sub>Ga", *Acta Phys. Polon. A* **92** (1997) 289-293.
62. Z.Drzazga, A.Winiarska, A.Chrobak and **D.Kaczorowski**, "Structural and magnetic properties of Dy(Fe,V,Si)<sub>12</sub> compounds", *Acta Phys. Polon. A* **92** (1997) 331-333.
63. G.E.Grechnev, A.Delin, O.Eriksson, B.Johansson, A.S.Panvilov, I.V.Svechkarev and **D.Kaczorowski**, "Pressure effect on magnetic properties of UGa<sub>3</sub>", *Acta Phys. Polon. A* **92** (1997) 335-338.
64. R.Hauser, E.Bauer, G.Hilscher, H.Michor and **D.Kaczorowski**, "Pressure and field-dependent studies of CeNiGa<sub>2</sub>", *Physica B* **237-238** (1997) 205-206. ([reprint](#))
65. R.Hauser, H.Michor, E.Bauer, G.Hilscher and **D.Kaczorowski**, "Specific heat and electrical resistivity of Ce<sub>2</sub>T<sub>2</sub>In, T = Ni, Rh, Pt, Pd, Cu and Au", *Physica B* **230-232** (1997) 211-213. ([reprint](#))
66. **D.Kaczorowski**, R.Hauser and A.Czopnik, "Itinerant f-electron antiferromagnetism in UGa<sub>3</sub>", *Physica B* **230-232** (1997) 35-38. ([reprint](#))

67. M.Rams, K.Królas, P.Bonville, E.Alleno, C.Godart, **D.Kaczorowski** and F.Canepa, "Valence states of Yb in Yb<sub>5</sub>Si<sub>3</sub>", *Phys. Rev. B* **56** (1997) 3690-3696. ([reprint](#))
68. R.Troć, **D.Kaczorowski**, T.Cichorek, B.Andraka, R.Pietri, Yu.D.Seropegin and A.V.Gribanov, "A unique metallic system Ce<sub>3</sub>Pt<sub>23</sub>Ge<sub>11</sub>", *J. Alloys Compd.* **262-263** (1997) 211-214. ([reprint](#))
69. H.Flandorfer, **D.Kaczorowski**, J.Gröbner, R.Wouters, P.Rogl, C.Godart and A.Kostikas, "The systems Ce-Al-(Si,Ge): Phase equilibria and physical properties", *J. Solid State Chem.* **137** (1998) 191-205. ([reprint](#))
70. **D.Kaczorowski**, P.W.Klamut, A.Czopnik and A.Jeżowski, "Unusual magnetic properties of UGa<sub>3</sub> single crystals", *J. Magn. Magn. Mat.* **177-181** (1998) 41-42. ([reprint](#))
71. R.Hauser, M.Galli, E.Bauer, A.Kottar, G.Hilscher and **D.Kaczorowski**, "Tuning of a non-Fermi-liquid state in CeNiGa<sub>2</sub> by pressure and external field", *J. Magn. Magn. Mat.* **177-181** (1998) 292-293. ([reprint](#))
72. **D.Kaczorowski**, R.Kruk, J.P.Sanchez, B.Malaman and F.Wastin, "Magnetic and electronic properties of ternary uranium antimonides UTSb<sub>2</sub> (T = 3d-, 4d-, 5d-electron transition metal)", *Phys. Rev. B* **58** (1998) 9227-9237. ([reprint](#))
73. S.Cottenier, S.Demuynck, **D.Kaczorowski**, J.C.Spirlet, J.Meersschaut, B.Swinnen and M.Rots, "The magnetic structure of UIn<sub>3</sub>: PAC on a polycrystal", *J. Phys.: Condens. Matter* **10** (1998) 8381-8287. ([reprint](#))
74. V.I.Zaremba, J.Ściepień-Damm, R.Troć and **D.Kaczorowski**, "Crystal structure of UCu<sub>5</sub>In", *J. Alloys Compd.* **280** (1998) 196-198. ([reprint](#))
75. A.Leithe-Jasper, **D.Kaczorowski**, P.Rogl, J.Bogner, M.Reissner, W.Steiner, G.Wiesinger and C.Godart, "Synthesis, crystal structure determination and physical properties of YbFe<sub>4</sub>Sb<sub>12</sub>", *Solid State Commun.* **109** (1999) 395-400. ([reprint](#))
76. **D.Kaczorowski** and M.Koźlik, "Environmental effect on the magnetic behavior in CePd<sub>3</sub>Ga<sub>x</sub>", *Physica B* **259-261** (1999) 105-107. ([reprint](#))
77. R.Troć, **D.Kaczorowski**, V.H.Tran and V.Zaremba, "Substitution effect in new mass-enhanced UCu<sub>5</sub>M phases (M = Al, In, Sn)", *Physica B* **259-261** (1999) 233-235. ([reprint](#))
78. M.B.Tchoula Tchokonte, **D.Kaczorowski**, P. de V.du Plessis and A.M.Strydom, "Kondo behaviour of Ce<sub>1-x</sub>La<sub>x</sub>Cu<sub>5</sub>In and CeCu<sub>5</sub>In<sub>1-x</sub>M<sub>x</sub> (M = Al or Ga)", *Physica B* **259-261** (1999) 22-23. ([reprint](#))
79. **D.Kaczorowski**, M.Koźlik and L.Kępiński, "Anomalous magnetic behaviour of CePd<sub>3</sub>Ga<sub>0.125</sub>", *J. Phys. Chem. Solids* **60** (1999) 521-527. ([reprint](#))
80. **D.Kaczorowski**, A.Leithe-Jasper, P.Rogl, H.Flandorfer, T.Cichorek, R.Pietri and B.Andraka, "Magnetic, thermodynamic and electrical transport properties of ternary equiatomic ytterbium compounds YbTM (T = transition metal; M = Sn and Bi)", *Phys. Rev. B* **60** (1999) 422-433. ([reprint](#))
81. E.Cordruwicz, **D.Kaczorowski**, A.Saccone, P.Rogl and R.Ferro, "Constitution, structural chemistry and magnetism of the ternary system Ce-Ag-Ge", *J. Phase*

- Equilibria* **20** (1999) 407-422.
82. P.Dervenegas, **D.Kaczorowski**, F.Bourdarot, P.Burlet, A.Czopnik and G.H.Lander, "Neutron diffraction on single crystal UGa<sub>3</sub>", *Physica B* **269** (1999) 368-372. ([reprint](#))
  83. V.I.Zaremba, **D.Kaczorowski**, L.D.Gulaj, Ya.M.Kalychak and J.Stępień-Damm, "Crystal structure, magnetic and electrical properties of ZrNi<sub>2</sub>In and ZrCu<sub>2</sub>In", *J. Alloys Compd.* **292** (1999) 1-3. ([reprint](#))
  84. R.V.Parfeniev, M.O.Safonczik, D.V.Shamshur, **D.Kaczorowski** and S.A.Nemov, "Magnitnaja vospriimchivost tverdykh rastvorov Sn<sub>1-z</sub>Ge<sub>z</sub>Te:In s kwazilokalnymi sostojaniami india", in Termoelektriki i ich primienienia, Ros. Akad. Nauk, Fiz. **Techn. Inst. im. A.F.Ioffe, Sankt Petersburg, 1999, 81- 88.**
  85. **D.Kaczorowski**, Ya.M.Kalychak and V.I.Zaremba, "Substitution study on the coherent Kondo state in CeCu<sub>5</sub>In", *Acta Phys. Polon. A* **97** (2000) 189-192.
  86. R.Troć, V.H.Tran, **D.Kaczorowski** and A.Czopnik, "Anomalous transport and thermal properties of the solid solutions U<sub>1-x</sub>Th<sub>x</sub>Cu<sub>5</sub>M (M = Al, Ga, In and Sn)", *Acta Phys. Polon. A* **97** (2000) 25-35.
  87. Z.Drzazga, A.Winiarska, A.Winiarski and **D.Kaczorowski**, "Breakdown of de Gennes scalling in Y<sub>1-x</sub>Dy<sub>x</sub>Ni<sub>2</sub>B<sub>2</sub>C", *Acta Phys. Polon. A* **97** (2000) 221-224.
  88. **D.Kaczorowski**, B.Andraka, V.I.Zaremba and Cz.Marucha, "YbPtIn – a new ytterbium-based magnetic Kondo lattice", *Physica B* **281&282** (2000) 44-46. ([reprint](#))
  89. **D.Kaczorowski**, R.Troć, A. Czopnik and V.I.Zaremba, "Evolution of a Kondo behaviour in UCu<sub>5</sub>In<sub>1-x</sub>Ga<sub>x</sub> alloys", *Physica B* **281&282** (2000) 202-203. ([reprint](#))
  90. S.Coad, A.Hiess, L.Paolasini, N.Bernhoeft, P.Dervenegas, **D.Kaczorowski**, A.Czopnik, R.Troć and G.H.Lander, "Magnetic excitations in UGa<sub>3</sub>", *Physica B* **281&282** (2000) 200-201. ([reprint](#))
  91. **D.Kaczorowski**, H.Noël and M.Potel, "Crystal structure and magnetic behaviour of UCoAs<sub>2</sub>", *J. Alloys Compd.* **302** (2000) 1-4. ([reprint](#))
  92. H.Noël, M.Potel and **D.Kaczorowski**, "A new ternary uranium arsenide U<sub>4</sub>Ru<sub>7</sub>As<sub>6</sub>", *J. Alloys Compd.* **302** (2000) L1-L2. ([reprint](#))
  93. V.I.Zaremba, Ya.Galadzhun, Ya.M.Kalychak, **D.Kaczorowski** and J.Stępień-Damm, "Crystal structure of the new ternary indide CePt<sub>2</sub>In<sub>2</sub> and isostructural compounds RPt<sub>2</sub>In<sub>2</sub> (R = La, Pr, Nd)", *J. Alloys Compd.* **296** (2000) 280-284. ([reprint](#))
  94. J.Schoenes, U.Barkow, M.Broschwitz, P.Oppeneer, **D.Kaczorowski** and A.Czopnik, "Optical properties of UGa<sub>3</sub>", *Phys. Rev. B* **61** (2000) 7415-7420. ([reprint](#))
  95. R.Pietri, B.Andraka, **D.Kaczorowski**, A.Leithe-Jasper and P.Rogl, "Magnetoresistance and low-temperature specific heat of Yb compounds: YbPtSn, YbRhSn and YbPdBi", *Phys. Rev. B* **61** (2000) 12169-12173. ([reprint](#))
  96. B.Andraka, R.Pietri, **D.Kaczorowski**, A. Leithe-Jasper and P. Rogl, "Magnetism and heavy fermions in YbRhSn and YbPtSn", *J. Appl. Phys.* **87** (2000) 5149-5151. ([reprint](#))
  97. **D.Kaczorowski**, B. Andraka, R. Pietri, T. Cichorek and V.I.Zaremba, "Heavy-fermion behavior in YbPtIn", *Phys. Rev. B.* **61** (2000) 15255-15261. ([reprint](#))

98. J.P.Sanchez, P.Vulliet, M.M.Abd-Elmeguid and **D.Kaczorowski**, "Mössbauer investigation of  $^{119}\text{Sn}$  in  $\text{U}(\text{Ga}_{0.98}\text{Sn}_{0.02})_3$  – relevance on the f-p hybridization in the itinerant antiferromagnet  $\text{UGa}_3$ ", *Phys. Rev. B* **62** (2000) 3839-3844. ([reprint](#))
99. V.P.Dubensky, V.I.Zaremba, Ya.M.Kalychak, L.D.Gulay, **D.Kaczorowski**, J.Stępień-Damm and M.Wołyrcz, "Crystal structure, magnetic and electrical properties of  $\text{M}'\text{M}_2\text{In}$  ( $\text{M}' = \text{Ti, Hf}$ ;  $\text{M} = \text{Ni, Cu}$ )", *J. Alloys Compd.* **306** (2000) 21-25. ([reprint](#))
100. **D.Kaczorowski**, M.B.Tchoula Tchokonte, P.de V.du Plessis and A.M.Strydom, "Magnetic behaviour of  $\text{TbCu}_4\text{Ag}$  and  $\text{DyCu}_4\text{Ag}$ ", *J. Magn. Magn. Mater.* **218** (2000) 238-246. ([reprint](#))
101. S.A.Nemov, R.V.Pareniev, D.V.Shamshur, P.P.Konstantinov, M.O.Safonchik, D.I.Popov, J.Stępień-Damm and **D.Kaczorowski**, "Observation of superconducting and structural phase transitions in  $\text{Sn}_{1-z}\text{Ge}_z\text{Te}$ :In solid solutions", *Physica C* **333** (2000) 31-40. ([reprint](#))
102. Y.Mozharivskiy, **D.Kaczorowski** and H.F.Franzen, "Symmetry-breaking transitions from  $\text{GdCuAs}_2$  through  $\text{GdCuAs}_{1.15}\text{P}_{0.85}$  to  $\text{GdCuP}_{2.20}$ : crystal structure, application of Landau theory, bonding, magnetic and electrical properties", *J. Solid State Chem.* **155** (2000) 259-272. ([reprint](#))
103. E.Bauer, St.Berger, A.Galatanu, M.Galli, G.Hilscher, H.Michor, Ch.Paul, A.Grytsiv, P.Rogl, V.H.Tran and **D.Kaczorowski**, "Large magnetoresistance and thermoelectric properties of Eu-filled skutterudites", Proc. 19<sup>th</sup> Int. Conf. on Thermoelectrics, ed. **D.M.Rowe**, (Babrow Press, Wales, 2000), pp. 106-109.
104. V.H.Tran, **D.Kaczorowski**, R.Troć, G.André and F.Bourée, "Magnetic structure of the Kondo compound  $\text{UCu}_5\text{In}$ ", *Solid State Commun.* **117** (2001) 527-530. ([reprint](#))
105. J.Stępień-Damm, **D.Kaczorowski** and K.Wochowski, "Crystal structure of  $\text{U}_2\text{Ni}_{12}\text{As}_7$ ", *J. Alloys Compd.* 315 (2001) L4-L6. ([reprint](#))
106. V.I.Zaremba, Y.V.Galadzhun, B.D.Belan, A.Pikul, J.Stępień-Damm and **D.Kaczorowski**, "Crystal structure, magnetic and electrical properties of new ternary indides  $\text{RPtIn}$  ( $\text{R} = \text{Pr, Sm}$ )", *J. Alloys Compd.* **316** (2001) 64-69. ([reprint](#))
107. **D.Kaczorowski**, R.Troć, A.Czopnik, A.Jeżowski, Z.Henkie and V.I.Zaremba, "Magnetic, electrical transport and thermal properties of a uranium intermetallic compound  $\text{UCu}_5\text{In}$ ", *Phys. Rev. B* **63** (2001) 144401-1-7. ([reprint](#))
108. R.Mishra, R.Pöttgen, R.D.Hoffmann, **D.Kaczorowski**, H.Piotrowski, P.Mayer, C.Rosenhahn and B.D.Mosel, "Ternary rare earth (RE) gold compounds  $\text{REAuCd}$  and  $\text{RE}_2\text{Au}_2\text{Cd}$ ", *Z. Anorg. Allg. Chem.* **627** (2001) 1283-1291. ([reprint](#))
109. E.Cordruwich, **D.Kaczorowski**, P.Rogl, A.Saccone and R.Ferro, "Constitution, structural chemistry and magnetism of the ternary system Ce-Ag-Si", *J. Alloys Compd.*, **320** (2001) 308-319. ([reprint](#))
110. D.Mannix, A.Stunault, N.Bernhoeft, L.Paolasini, G.H.Lander, C.Vettier, F. de Bergevin, **D.Kaczorowski** and A. Czopnik, "Resonant enhancements at non-magnetic ions: New possibilities for magnetic X-ray scattering", *Phys. Rev. Lett.* **86** (2001) 4128- 4131. ([reprint](#))
111. Z.Drzazga, **D.Kaczorowski**, A.Winiarska and A.Winiarski, "Coexistence of

- superconductivity and magnetism in  $Y_{1-x}Dy_xNi_2B_2C$  single crystals", *J. Alloys Compd.*, **323-324** (2001) 562-566. ([reprint](#))
112. A.Hiess, F.Boudarot, S.Coad, P.J.Brown, P.Burlet, G.H.Lander, M.S.S.Brooks, **D.Kaczorowski**, A.Czopnik and R.Troć, "Spin and orbital moments in itinerant magnets", *Europhys. Lett.* **55** (2001) 267-272. ([reprint](#))
  113. Ya.Mudryk, A.Grytsiv, P.Rogl, C.Dusek, A.Galatanu, E.Idl, H.Michor, E.Bauer, C.Godart, **D.Kaczorowski**, L.Romaka and O.Bodak, "Physical properties and superconductivity of skutterudite-related  $Yb_3Co_{4.3}Sn_{12.7}$  and  $Yb_3Co_4Ge_{13}$ ", *J. Phys.: Condens. Matter* **13** (2001) 7391-7402. ([reprint](#))
  114. **D.Kaczorowski**, A.Czopnik, W.Suski, V.N.Nikiforov and A.V.Gribanov, "Magnetic, electrical and thermodynamic properties of  $CePd_5Ge_3$ ", *Solid State Commun.* **117** (2001) 373-375. ([reprint](#))
  115. M.B.Tchoula Tchokonte, P. de V.du Plessis, A.M.Strydom and **D.Kaczorowski**, "Magnetic and electrical properties of the Kondo system  $CePt_2(Si_{1-x}Ge_x)_2$ ", *J. Magn. Magn. Mater.* **226** (2001) 173-175. ([reprint](#))
  116. A.J.Zaleski, W.Iwasieczko, M.Tkacz, **D.Kaczorowski**, H.Drulis, O.J.Żogał and J.Klamut, "The influence of hydrogenation on superconducting properties of  $MgB_2$ ", *Low Temp. Phys.* **27** (2001) 780-782.
  117. Y.Mozharivskiy, **D.Kaczorowski** and H.F.Franzen, "Symmetry-breaking transitions in  $HoCuAs_{2-x}P_x$  and  $ErCuAs_{2-x}P_x$  ( $x = 0-2$ ): crystal structure, application of Landau theory, magnetic and electrical properties", *Z. Anorg. Allg. Chem.* **627** (2001) 2163-2172. ([reprint](#))
  118. **D.Kaczorowski**, Yu.Prots and Yu.Grin, "Superconductivity in  $La_3Rh_2Ge_2$  and dense Kondo behavior in  $Ce_3Rh_2Ge_2$ ", *Phys. Rev. B* **64** (2001) 224420-1-5. ([reprint](#))
  119. G.E.Grechnev, A.S.Panfilov, I.V.Svechkarev, **D.Kaczorowski**, A.Hackemer and O.Eriksson, "Magnetovolume effect in  $UX_3$  ( $X = Si, Ge$  and  $Ga$ ) compounds", *Mater. Sci. Forum* **373** (2001) 653.
  120. S.Berger, C.Paul, E.Bauer, A.Grytsiv, P.Rogl, **D.Kaczorowski**, A.Saccone, R.Ferro and C.Godart, "Physical properties of novel thermoelectric skutterudites:  $Eu_yFe_{4-x}Co_xSb_{12}$  and  $Eu_yFe_{4-x}Ni_xSb_{12}$ ", Proc. 20<sup>th</sup> Int. Conf. on Thermoelectrics, (IEEE, New York, 2001), pp. 77-80.
  121. Z.Drzazga, A.Winiarska and **D.Kaczorowski**, "Magnetic anisotropy of  $Y_{1-x}Dy_xNi_2B_2C$  single crystals", *J. Magn. Magn. Mater.*, **242** (2002) 829-831. ([reprint](#))
  122. A.Grytsiv, **D.Kaczorowski**, A.Leithe-Jasper, V.H.Tran, A.Pikul, P.Rogl, M.Bohn and T.Velikanova, "On the system silicon-ytterbium: Constitution, crystal chemistry and physical properties", *J. Solid State Chem.* **163** (2002) 178-185. ([reprint](#))
  123. **D.Kaczorowski**, R.Troć, T.Komatsubara, Cz.Sułkowski and H.Misiorek, "Single crystal study on a dense Kondo antiferromagnet  $UCu_5In$ ", *Physica B* **312-313** (2002) 300-301. ([reprint](#))
  124. E.Bauer, S.Berger, A.Galatanu, C.Paul, M.Della Mea, H.Michor, G.Hilscher, A.Grytsiv, P.Rogl, **D.Kaczorowski**, L.Keller T.Hermannsdörfer and P.Fischer, "Magnetic behaviour of  $PrFe_4Sb_{12}$  and  $NdFe_4Sb_{12}$  skutterudites", *Physica B* **312-313** (2002) 840-

842. [\(reprint\)](#)
125. M.Galli, E.Bauer, S.Berger, C.Dusek, M.Della Mea, H.Michor, **D.Kaczorowski**, E.W.Scheidt and F.Marabelli, "Evolution of ground state properties of  $\text{YbCu}_{5-x}\text{Au}_x$ ", *Physica B* **312-313** (2002) 489-491. [\(reprint\)](#)
  126. A.Pikul, **D.Kaczorowski** and P.Rogl, "Magnetic properties of Ce-Ni-Ge compounds", *Physica B* **312-313** (2002) 422-424. [\(reprint\)](#)
  127. A.Grytsiv, **D.Kaczorowski**, A.Leithe-Jasper, P.Rogl, C.Godart, M.Potel and H. Noël, "EuZn<sub>2</sub>Si<sub>2</sub> and EuZn<sub>2</sub>Ge<sub>2</sub> grown from Zn- or Ga(In)/Zn-flux", *J. Solid State Chem.* **163** (2002) 37-43. [\(reprint\)](#)
  128. A.Grytsiv, **D.Kaczorowski**, A.Leithe-Jasper, P.Rogl, M.Potel, H.Noël, A.P.Pikul, and T.Velikanova, "Structure and properties of Yb<sub>3</sub>Ge<sub>5</sub>", *J. Solid State Chem.* **165** (2002) 178-181. [\(reprint\)](#)
  129. A.Grytsiv, P.Rogl, S.Berger, C.Paul, E.Bauer, C.Godart, A.Saccone, R.Ferro and **D.Kaczorowski**, "Formation, crystal structure and physical properties of novel thermoelectric skutterudites:  $\text{Eu}_y\text{Fe}_{4-x}\text{Ni}_x\text{Sb}_{12}$ ", Mat. Res. Soc. Symp. Proc., Vol. 691, (Materials Research Society, 2002), pp. G8.36.1-6.
  130. **D.Kaczorowski**, A.J.Zaleski, O.J.Żogał and J.Klamut, "Incipient superconductivity in TaB<sub>2</sub>", Proc. IX School on High Temperature Superconductivity, eds. A.Szytuła and A.Kołodziejczyk, Krynica – Czarny Potok, Poland, June 14-15, 2001, pp. 81-87.
  131. **D.Kaczorowski**, R.Troć, T.Kagayama, F.Honda and G.Oomi, "Effect of pressure on the electrical resistivity of UCu<sub>5</sub>In single crystals", *Solid State Commun.* **122** (2002) 527-529. [\(reprint\)](#)
  132. **D.Kaczorowski**, M.Potel and H.Noël, "Crystal structure of a novel uranium nickel phosphide U<sub>6</sub>Ni<sub>15</sub>P<sub>10</sub>", *J. Alloys Compd.* **347** (2002) 128-130. [\(reprint\)](#)
  133. **D.Kaczorowski** and Yu.Grin, "Magnetic behavior in CeT<sub>0.6</sub>Ga<sub>6</sub> (T = Ni and Cu) compounds", *Solid State Commun.* **122** (2002) 637-640. [\(reprint\)](#)
  134. A.Barla, J.P.Sanchez, B.Ni, B.P.Doyle, P.Vulliet, O.Leupold, R.Rüffer, **D.Kaczorowski**, J.Plessel and M.M.Abd-Elmeguid, "The effect of pressure on the magnetic properties of U(In<sub>1-x</sub>Sn<sub>x</sub>)<sub>3</sub>: moment suppression in U(In<sub>0.6</sub>Sn<sub>0.4</sub>)<sub>3</sub>", *Phys. Rev. B* **66** (2002) 094425-1-8. [\(reprint\)](#)
  135. A.Grytsiv, P.Rogl, S.Berger, C.Paul, E.Bauer, C.Godart, B. Ni, M.M.Abd-Elmeguid, A.Saccone, R.Ferro and **D.Kaczorowski**, "Structure and physical properties of the thermoelectric skutterudites  $\text{Eu}_y\text{Fe}_{4-x}\text{Co}_x\text{Sb}_{12}$ ", *Phys. Rev. B.* **66** (2002) 094411-1-11. [\(reprint\)](#)
  136. A.P.Pikul, **D.Kaczorowski**, P.Rogl and Yu.Grin, "Kondo effect in the presence of crystal-field in Ce-Ni-Ge compounds", *Phys. Stat. Sol. (b)* **236** (2003) 364-367. [\(reprint\)](#)
  137. **D.Kaczorowski**, A.Leithe-Jasper, T.Cichorek, K.Tenya, J.Custers, P.Gegenwart and Yu.Grin, "Possible heavy-fermion behavior in a Heusler-type compound YbPd<sub>2</sub>Sb", *Acta Phys. Polon. B* **34** (2003) 1253-1256. [\(reprint\)](#)
  138. A.P.Pikul, **D.Kaczorowski**, H.Michor, P.Rogl, A.Czopnik, Yu.Grin, E.Bauer and

- G.Hilscher, "Low-temperature specific heat of Ce-Ni-Ge compounds and their nonmagnetic analogues", *Acta Phys. Polon. B* **34** (2003) 1235-1238. ([reprint](#))
139. K.Gofryk and **D.Kaczorowski**, "Magnetic and transport properties of the pseudobinary system  $UGa_{3-x}Ge_x$ ", *Acta Phys. Polon. B* **34** (2003) 1213-1216. ([reprint](#))
140. M.B.Tchoula Tchokonte, P. de V.du Plessis, A.M.Strydom, A.Czopnik and **D.Kaczorowski**, "Kondo properties in  $(Ce_{1-x}La_x)Cu_5In$ ", *Acta Phys. Polon. B* **34** (2003) 1309-1312. ([reprint](#))
141. A.M.Strydom, A.P.Pikul and **D.Kaczorowski**, "Electronic and magnetic properties of  $Ce_3Pd_5Si$ ", *J. Alloys Compd.* **351** (2003) 54-58. ([reprint](#))
142. V.I.Zaremba, U.Ch.Rodewald, Y.M.Kalychak, Y.V.Galadzhun, **D.Kaczorowski**, R.D.Hoffmann and R.Pöttgen, "Ternary indides  $RE_4Pd_{10}In_{21}$  (RE = La, Ce, Pr, Nd, Sm) – synthesis, structure, and physical properties", *Z. Anorg. Allg. Chem.* **629** (2003) 434-442. ([reprint](#))
143. A.P.Pikul, **D.Kaczorowski**, H.Michor, P.Rogl, E.Bauer, G.Hilscher and Yu.Grin, "On the magnetic, electrical and thermodynamic properties of  $Ce_3NiGe_2$ ", *J. Phys.: Condens. Matter* **15** (2003) 8837-8851. ([reprint](#))
144. A.Szytuła, A.Jeziernski, B. Penc, A.Winiarski, A.Leithe-Jasper and **D.Kaczorowski**, "Electronic structure of YbTX compounds", *J. Alloys Compd.* **360** (2003) 41-46. ([reprint](#))
145. A.P.Pikul, **D.Kaczorowski**, T.Plackowski, A.Czopnik, H.Michor, E.Bauer, G.Hilscher, P.Rogl and Yu.Grin, "Kondo behavior in antiferromagnetic  $CeNiGe_3$ ", *Phys. Rev. B* **67** (2003) 224417-1-10. ([reprint](#))
146. R.Kraft, R.Pöttgen and **D.Kaczorowski**, "Magnetic behavior in  $CeMgGa$ ", *Chem. Mater.* **15** (2003) 2998-3002. ([reprint](#))
147. M.B.Tchoula Tchokonte, P. de V.du Plessis and **D.Kaczorowski**, "Electrical transport and magnetic properties of  $(Ce_{1-x}Gd_x)Pt_2Si_2$  ( $0 \leq x \leq 1$ )", *J. Phys.: Condens. Matter* **15** (2003) 3767-3777. ([reprint](#))
148. **D.Kaczorowski**, Ya. Mudryk, P. Rogl, L. Romaka and Yu. Gorelenko, "Magnetic and electrical properties of the stannides  $RE_3Co_6Sn_5$  (RE = Sm, Gd, Tb and Dy)", *J. Phys.: Condens. Matter* **15** (2003) 2515-2522. ([reprint](#))
149. S.DeNegri, **D.Kaczorowski**, A.Grytsiv, E.Alleno, M.Giovannini, R.Gorzelnjak, P.Rogl, C.Godart, A.Saccone and R.Ferro, " $Gd(Mn_{1-x}In_x)_2$ : crystal structure and physical properties", *J. Alloys Compd.* **365** (2004) 58-67. ([reprint](#))
150. Ya.V.Galadzhun, V.I.Zaremba, Ya.M.Kalychak, V.M.Davydov, A.P.Pikul, A. Stępień-Damm and **D.Kaczorowski**, " $R_{12}Pt_7In$  (R = Ce, Pr, Nd, Gd, Ho) – new derivatives of the  $Gd_3Ga_2$ -type", *J. Solid State Chem.* **177** (2004) 17-25. ([reprint](#))
151. V.I.Zaremba, **D.Kaczorowski**, U.Ch.Rodewald, R.D.Hoffmann and R.Pöttgen, " $LaPdIn_2$  with  $MgCuAl_2$  and  $REPdIn_2$  (RE = Y, Pr, Nd, Sm, Gd-Tm, Lu) with  $HfNiGa_2$  type structure – synthesis, structure and physical properties", *Chem. Mater.* **16** (2004) 466-476. ([reprint](#))
152. **D.Kaczorowski**, O.Tougait, A.Czopnik, Cz.Marucha and H.Noël, "Non-Fermi liquid

- behavior in  $\text{Ce}_2\text{Co}_6\text{Al}_{19}$ ", *J. Magn. Magn. Mater.* **272-276** (2004) 239-241. ([reprint](#))
153. M.B.Tchoula Tchokonte, P. de V.du Plessis and **D.Kaczorowski**, "Magnetic and electrical properties of  $\text{Ce}_8\text{Pd}_{24}\text{M}_x$  alloys ( $\text{M} = \text{Al, Ga, Ge}$ )", *J. Magn. Magn. Mater.* **272-276** (2004) e5-e6. ([reprint](#))
  154. A.P.Pikul, Z.Bukowski, J.Stępień-Damm and **D.Kaczorowski**, "Single crystal study on a novel Kondo compound  $\text{Ce}_6\text{Pt}_{11}\text{In}_{14}$ ", *J. Magn. Magn. Mater.* **272-276** (2004) e89-e90. ([reprint](#))
  155. Z.Drzazga, J.Habdas, **D.Kaczorowski** and A.Winiarska, "Magnetic properties of some meso-tolyl- and meso-pirydul-porphiryns and their metal derivatives", *J. Magn. Magn. Mater.* **272-276** (2004) 1074-1076. ([reprint](#))
  156. M.B.Tchoula Tchokonte, P. de V.du Plessis, A.M.Strydom, **D.Kaczorowski**, A.Czopnik and Z.Kletowski, "Specific heat, susceptibility, magnetotransport and thermoelectric power of the Kondo alloys  $(\text{Ce}_{1-x}\text{La}_x)\text{Cu}_5\text{In}$ ", *J. Phys.: Condens. Matter* **16** (2004) 1981-1994. ([reprint](#))
  157. J.Stępień-Damm, Z.Bukowski, V.I.Zaremba, A.P.Pikul and **D.Kaczorowski**, "Crystal structure of a novel cerium indide  $\text{Ce}_6\text{Pt}_{11}\text{In}_{14}$ ", *J. Alloys Compd.* **379** (2004) 204-208. ([reprint](#))
  158. G. E. Grechnev, A. S. Panfilov, I. V. Svechkarev, A. Czopnik, A. Hackemer, **D. Kaczorowski**, O. Eriksson, "Pressure effect on magnetic properties of  $\text{UX}_3$  ( $\text{X} = \text{Al, Ga, In, Si, Ge}$ ) compounds", *Czech. J. Phys.* **54** (2004) D359-362. ([reprint](#))
  159. Z.Bukowski, **D.Kaczorowski**, J.Stępień-Damm, D.Badurski and R.Troć, "Single crystal study on  $\text{UNi}_{1-x}\text{Sb}_2$ ", *Intermetallics* **12** (2004) 1381-1386. ([reprint](#))
  160. V.I.Zaremba, **D.Kaczorowski**, U.Ch.Rodewald, G.P.Nychyporuk and R.Pöttgen, "Structure and physical properties of  $\text{RE}_2\text{Ge}_2\text{In}$  ( $\text{RE} = \text{La, Ce, Pr, Nd}$ )", *Solid State Sci.* **6** (2004) 1301-1306. ([reprint](#))
  161. A.Gil, **D.Kaczorowski**, J.Hernandez-Velasco, B.Penc, E.Wawrzyńska and A.Szytuła, "Magnetic structures of  $\text{RECu}_x\text{Ge}_2$  ( $\text{RE} = \text{Ho, Er}$ ) compounds", *J. Alloys Compd.* **384** (2004) L4-L6. ([reprint](#))
  162. A.P.Pikul, **D.Kaczorowski**, Z.Bukowski, T.Plackowski and K.Gofryk, "Single crystal study of highly anisotropic  $\text{CeNiGe}_2$ ", *J. Phys.: Condens. Matter* , **16** (2004) 6119-6128. ([reprint](#))
  163. K.Gofryk, **D.Kaczorowski**, T. Plackowski, A.Leithe-Jasper, and Yu. Grin, "Magnetic and transport properties of rare-earth-based Heusler phases  $\text{REPdZ}$  and  $\text{REPd}_2\text{Z}$  ( $\text{Z} = \text{Sb, Bi}$ )", Proc. 8<sup>th</sup> European Workshop on Thermoelectrics (Kraków, September 15-17, 2004). ([reprint](#))
  164. S.Baran, Ł.Gondek, J.Hernandez-Velasco, **D.Kaczorowski** and A.Szytuła, "Magnetic ordering in  $\text{HoFe}_{0.33}\text{Ge}_2$ ", *J. Magn. Magn. Mater.* **285** (2005) 188-192. ([reprint](#))
  165. Ł.Gondek, S.Baran, A.Szytuła, **D.Kaczorowski** and J.Hernandez-Velasco, "Crystal and magnetic structures of  $\text{RPdIn}$  ( $\text{R} = \text{Nd, Ho, Er}$ ) compounds", *J. Magn. Magn. Mater.* **285** (2005) 272-278. ([reprint](#))
  166. M.B.Tchoula Tchokonte, P. de V.du Plessis, **D.Kaczorowski** and A.M.Strydom,

- "Magnetic and electrical transport studies of  $Ce_8Pd_{24}Ge_x$ ", *Physica B* **359-361** (2005) 290-292. ([reprint](#))
167. **D.Kaczorowski**, K.Gofryk, P.Boulet, J.Rebizant, P.Javorsky, E.Colineau, F.Wastin and G.H.Lander, "Crystal structure and physical properties of  $NpPd_2Sn$ ", *Physica B* **359-361** (2005) 1102-1104. ([reprint](#))
168. **D.Kaczorowski**, K.Gofryk, L.Romaka, Ya.Mudryk, M.Konyk and P.Rogl, "Magnetic and electrical transport properties of  $RE_9Ni_{24}Sn_{49}$  compounds (RE = Y, Ce, Pr, Sm and Tb)", *Intermetallics* **13** (2005) 484-489. ([reprint](#))
169. **D.Kaczorowski**, K.Gofryk, T.Plackowski, A.Leithe-Jasper, and Yu.Grin, "Unusual features in Er-based Heusler phases", *J. Magn. Magn. Mater.* **290-291** (2005) 573-579. ([reprint](#))
170. A.Grytsiv, **D.Kaczorowski**, P.Rogl, V.H.Tran, C.Godart, and G.Giester, "A novel rare earth zinc germanide  $Yb_2Zn_3Ge_{3.1}$ : crystal structure and physical properties", *J. Phys.: Condensed Matter* **17** (2005) 385-397. ([reprint](#))
171. K.Gofryk, **D.Kaczorowski**, T.Plackowski, A.Leithe-Jasper, and Yu. Grin, "Magnetic and transport properties of rare-earth-based Heusler phases  $REPdZ$  and  $REPd_2Z$  (Z = Sb, Bi)", *Phys. Rev. B* **72** (2005) 094409-1-7. ([reprint](#))
172. C.A.Nunes, **D.Kaczorowski**, P.Rogl, M.R.Baldissera, P.A.Suzuki, G.C.Coelho, A.Grytsiv, G.André, F.Boureé, S.Okada, "The  $NbB_2$ -phase revisited: homogeneity range, defect structure, superconductivity", *Acta Materialia* **53** (2005) 3679-3687. ([reprint](#))
173. K.Gofryk, **D.Kaczorowski**, and A.Czopnik, "Magnetic and transport properties of  $UPd_2Sb$ ", *Solid. State Commun.* **133** (2005) 625-628. ([reprint](#))
174. **D.Kaczorowski**, A.P.Pikul, and A.Zygmunt, "Electrical transport properties of  $USbSe$  and  $USbTe$ ", *J. Alloys Compd.* **398** (2005) L1-L3. ([reprint](#))
175. Z.Bukowski, K.Gofryk, and **D.Kaczorowski**, "Magnetic and transport properties of  $YbRhIn_5$  and  $YbIrIn_5$  single crystals", *Solid State Commun.* **134** (2005) 475-478. ([reprint](#))
176. Z.Bukowski, K.Gofryk, T.Plackowski, and **D.Kaczorowski**, "Electrical transport in  $UNi_{0.5}Sb_2$  single crystals", *J. Alloys Compd.* **400** (2005) 33-36. ([reprint](#))
177. L.D.Gulay, **D.Kaczorowski**, and A.Pietraszko, "Crystal structure and magnetic properties of  $Ce_3CuSnSe_7$ ", *J. Alloys Compd.* **403** (2005) 49-52. ([reprint](#))
178. V.H.Tran, **D.Kaczorowski**, A.Grytsiv, and P.Rogl, "Intermediate valence and non-Fermi liquid behavior in  $Yb(Cu_ySi_{1-y})_{2-x}$  ( $x = 0.05-0.19$  and  $y = 0.12-0.15$ )", *Phys. Rev. B.* **72** (2005) 115116-1-9. ([reprint](#))
179. T.Plackowski, **D.Kaczorowski**, and Z.Bukowski, "Specific heat and isothermal magnetocaloric effect in  $UNi_{0.5}Sb_2$ ", *Phys.Rev. B* **72** (2005) 184418-1-8. ([reprint](#))
180. O.Tougait, **D.Kaczorowski**, and H.Noël, " $PrCo_2Al_8$  and  $Pr_2Co_6Al_{19}$ : crystal structure and electronic properties", *J. Solid State Chem.* **178** (2005) 3639-3647. ([reprint](#))
181. K.Gofryk, **D.Kaczorowski**, A.Leithe-Jasper, and Yu. Grin, "Physical properties of rare-earth-based Heusler phases  $REPdZ$  and  $REPd_2Z$  (Z = Sb, Bi)", Proc. 24<sup>th</sup> Int. Conf. on

- Thermoelectrics, (IEEE, New York, 2005), pp. 383-386. ([reprint](#))
182. T.Plackowski and **D.Kaczorowski**, "Critical behavior of specific heat and isothermal magnetocaloric coefficient in UCuP<sub>2</sub> ferromagnet", *Phys. Rev. B* **72** (2005) 224407-1-8. ([reprint](#))
  183. A.Szytuła, M. Bałanda, **D.Kaczorowski**, S.Baran, Ł.Gondek, J.Hernández-Velasco, B.Penc, N.Stüßer, and E.Wawrzyńska, "Magnetic, electronic and transport properties of RAg<sub>2</sub>Ge<sub>2</sub> (R = Pr, Nd) compounds", *Intermetallics* **14** (2006) 315-324. ([reprint](#))
  184. S.Baran, **D.Kaczorowski**, D.Sheptyakov, and A.Szytuła, "Magnetic ordering in DyRhSn", *J. Magn. Magn. Mater.* **296** (2006) 89-93. ([reprint](#))
  185. S.Baran, Ł.Gondek, J.Hernández-Velasco, **D.Kaczorowski**, and A.Szytuła, "Ferromagnetic ordering in ErPtIn", *J. Magn. Magn. Mater.* **300** (2006) 484-489. ([reprint](#))
  186. K.Gofryk and **D.Kaczorowski**, "On the magnetic and electrical behaviour of UPdSb", *J. Phys.: Condens. Matter* **18** (2006) 3887-3896. ([reprint](#))
  187. L.D.Gulay, **D.Kaczorowski**, and A.Pietraszko, "Crystal structure and magnetic properties of YbCuPbSe<sub>3</sub>", *J. Alloys Compd.* **413** (2006) 26-28. ([reprint](#))
  188. A.P.Pikul, **D.Kaczorowski**, Z.Bukowski, K.Gofryk, U.Burkhardt, Yu.Grin, and F.Steglich, "On the localization of magnetic moments of cerium in single-crystalline CePt<sub>4</sub>In", *Phys. Rev. B* **73** (2006) 092406-1-4. ([reprint](#))
  189. A.Szytuła, **D.Kaczorowski**, S.Baran, J.Hernández-Velasco, B.Penc, N.Stüßer, E.Wawrzyńska, and K.Gofryk, "Magnetic, electronic and transport properties of the Ce<sub>3</sub>Ag<sub>4</sub>X<sub>4</sub> (X = Ge, Sn) compounds", *Intermetallics* **14** (2006) 702-706. ([reprint](#))
  190. S.Baran, F.Henkel, **D.Kaczorowski**, J.Hernández-Velasco, B.Penc, N.Stüßer, A.Szytuła, and E.Wawrzyńska, "Magnetic properties of the RCo<sub>x</sub>Ge<sub>2</sub> (R = Gd–Er) compounds", *J. Alloys Compd.* **415** (2006) 1-7. ([reprint](#))
  191. V.I.Zaremba, **D.Kaczorowski**, G.P.Nychporuk, U.C.Rodewald, B.Heying, and R.Pöttgen, "Structure and properties of Ce<sub>3</sub>Ge<sub>0.67</sub>In<sub>4.33</sub> and Ce<sub>11</sub>Ge<sub>4.74</sub>In<sub>5.26</sub>", *Z. Anorg. Allg. Chem.* **632** (2006) 975-980. ([reprint](#))
  192. **D.Kaczorowski** and K.Gofryk, "Thermoelectric power of Ce-based intermediate valence systems", *Solid State Commun.* **138** (2006) 337-340. ([reprint](#))
  193. V.H.Tran, **D.Kaczorowski**, A.Grytsiv, and P.Rogl, "Possible non-Fermi liquid behavior in Yb(Cu<sub>0.151</sub>Si<sub>0.849</sub>)<sub>1.883</sub>", *Physica B* **378-380** (2006) 163-164. ([reprint](#))
  194. M.B.Tchoula Tchokonte, P. de V.du Plessis, A.M.Strydom, and **D.Kaczorowski**, "Magnetic and electrical transport studies of Ce<sub>8</sub>Pd<sub>24</sub>Al<sub>x</sub>", *Physica B* **378-380** (2006) 849-850. ([reprint](#))
  195. V.I.Zaremba, **D.Kaczorowski**, I.R.Muts, R.-D.Hoffmann, B.Heying, and R.Pöttgen, "Structure and magnetic properties of EuNi<sub>7+x</sub>In<sub>6-x</sub>", *Solid State Sci.* **8** (2006) 716-722 ([reprint](#))
  196. **D.Kaczorowski** and L.D.Gulay, "Crystal structure, magnetic and electrical properties of a novel compound U<sub>2</sub>Pd<sub>2</sub>Pb", *J. Alloys Compd.* **419** (2006) 11-14. ([reprint](#))
  197. S.Baran, L.Gondek, J.Hernández-Velasco, **D.Kaczorowski**, and A.Szytuła, "Magnetic

- ordering in RPtIn (R = Dy and Ho) ternary intermetallics", *J. Magn. Magn. Mater.* **305** (2006) 196-201. ([reprint](#))
198. **D.Kaczorowski**, "Solving puzzles of the itinerant antiferromagnet UGa<sub>3</sub>", *J. Phys. Soc. Jpn.* **75** (2006) Suppl. 68-73. ([reprint](#))
199. L.D.Gulay, **D.Kaczorowski**, V.Ya.Shemet, and A.Pietraszko, "Crystal structure of Ho<sub>6</sub>Pb<sub>2</sub>Se<sub>11</sub> and magnetic properties of R<sub>6</sub>Pb<sub>2</sub>Se<sub>11</sub> (R = Y, Dy and Ho)", *J. Alloys Compd.* **421** (2006) 87-90. ([reprint](#))
200. L.D.Gulay and **D.Kaczorowski**, "Crystal structure and physical properties of the RCu<sub>3</sub>Te<sub>3</sub> (R = Er and Tm) compounds", *J. Alloys Compd.* **422** (2006) 16-20. ([reprint](#))
201. **D.Kaczorowski**, M.S.Kononchuk, R.V.Parfeniev, S.G.Romanov, and D.V.Shamshur, "Low-temperature magnetic properties of In-opal nanocomposites", Proc. 14<sup>th</sup> Int. Symp. "Nanostructures: Physics and Technology", St. Petersburg, Russia, June 26-30, 2006, pp.319-320.
202. M.S.Kononchuk, R.V.Parfeniev, S.G.Romanov, D.V.Shamshur, A.W.Chernaev, and **D.Kaczorowski**, "Swierhprowodiashchii piereschod w przewodimostii i namagnichennostii nanokompozitov In-opal", Proc. 34 Conf. Phys. Low Temp., Rostov-na-Donu, Russia, Sept. 26-30, 2006, pp.127-128.
203. A.Jeziarski, A.Szytuła, and **D.Kaczorowski**, "Effect of spin-orbit coupling on the electronic structure of bismuthide YbAuBi", *Materials Science-Poland* **24** (2006) 683-687. ([reprint](#))
204. **D.Kaczorowski**, Yu.Prots, U.Burkhardt, and Yu.Grin, "Electronic properties of RE<sub>3</sub>Rh<sub>2</sub>Ga<sub>2</sub> and RE<sub>3</sub>Rh<sub>3</sub>Si<sub>2</sub> (RE = La, Ce)", *Intermetallics* **15** (2007) 225-232. ([reprint](#))
205. Ł.Gondek, A.Szytuła, **D.Kaczorowski**, A.Szewczyk, M.Gutowska, and O.Prokhnenko, "Complex magnetic properties of Ho<sub>3</sub>Cu<sub>4</sub>Sn<sub>4</sub>", *Intermetallics* **15** (2007) 583-592. ([reprint](#))
206. T.Muramatsu, **D.Kaczorowski**, T.Kagayama, K.Shimizu, A.Grytsiv, and P.Rogl, "Transport properties of Yb<sub>3</sub>Si<sub>5</sub> single crystals under high pressure", *J. Magn. Magn. Mater.* **310** (2007) e25-e27. ([reprint](#))
207. A.T.Holmes, A.Miyake, **D.Kaczorowski**, Z.Bukowski, T.Kagayama, and K.Shimizu, "Resistivity and ac calorimetry measurements on CeNiGe<sub>2</sub> under pressure", *J. Magn. Magn. Mater.* **310** (2007) 343-345. ([reprint](#))
208. **D.Kaczorowski** and L.D.Gulay, "Magnetic and electrical transport properties of novel RE<sub>4</sub>Ni<sub>3</sub>Pb<sub>4</sub> (RE = La, Ce, Pr) compounds", *J. Alloys Compd.* **436** (2007) 9-12. ([reprint](#))
209. Ł.Gondek, A.Szytuła, **D.Kaczorowski**, and K.Nenkov, "Electronic structure and magnetism of RPdIn compounds (R=La, Ce, Pr, Nd)", *Solid State Commun.* **142** (2007) 556-560. ([reprint](#))
210. Ł.Gondek, A.Szytuła, **D.Kaczorowski**, A.Szewczyk, and M.Gutowska, "Multiple magnetic phase transitions in Tb<sub>3</sub>Cu<sub>4</sub>Si<sub>4</sub>", *J. Phys.: Condens. Matter* **19** (2007) 246225 (1-14). ([reprint](#))
211. E.Malicka, A.Waśkowska, T.Mydlarz, and **D.Kaczorowski**, "Structural and magnetic properties of single-crystalline spinel systems ZnCr<sub>2-x</sub>Al<sub>x</sub>Se<sub>4</sub> (x = 0.15 and 0.23)", *J.*

- Alloys Compd.* **440** (2007) 1-5. ([reprint](#))
212. Ł.Gondek, A.Szytuła, **D.Kaczorowski**, O.Prokhnenko, and K.Nenkov, "Complex magnetic phase transitions in  $\text{Ho}_3\text{Cu}_4\text{Si}_4$ ", *Phase Trans.* **80** (2007) 563-573. ([reprint](#))
  213. K.Gofryk, **D.Kaczorowski**, T.Plackowski, J.Mucha, A.Leithe-Jasper, W.Schnelle, and Yu.Grin, "Magnetic, transport and thermal properties of half-Heusler compounds  $\text{ErPdSb}$  and  $\text{YPdSb}$ ", *Phys. Rev. B* **75** (2007) 224426-1-11. ([reprint](#))
  214. **D.Kaczorowski** and L.D.Gulay, "Magnetic and electrical properties of  $\text{RE}_2\text{Pd}_2\text{Pb}$  (RE = Y, La – Sm, Gd – Tm) compounds", *J. Alloys Compd.* **442** (2007) 169-171. ([reprint](#))
  215. M.Bleckmann, O.Prokhnenko, K.Gofryk, **D.Kaczorowski**, and S.Süllow, "Structural properties of the heavy fermion antiferromagnet  $\text{UPd}_2\text{Sb}$ ", *J. Magn. Magn. Mater.* **316** (2007) e435-e437. ([reprint](#))
  216. B.Penc, **D.Kaczorowski**, A.Szytuła, A.Winiarski, and A.Zarzycki, "Magnetic properties and electronic structure of  $\text{R}_3\text{T}_4\text{X}_4$  (R = Pr, Nd; T = Cu, Ag; X = Ge, Sn)", *Intermetallics* **15** (2007) 1489-1496. ([reprint](#))
  217. M.Szlawska, A.P.Pikul, and **D.Kaczorowski**, "Ferromagnetic and spin-glass properties of single-crystalline  $\text{U}_2\text{NiSi}_3$ ", *Materials Science-Poland* **25** (2007) 1267-1273. ([reprint](#))
  218. K.Gofryk, **D.Kaczorowski**, J.-C.Griveau, N.Magnani, R.Jardin, J.Rebizant, E.Colineau, F.Wastin, and R.Caciuffo, "Extensive studies of antiferromagnetic  $\text{PuPd}_2\text{Sn}$ ", *Phys. Rev B* **77** (2008) 014431-1-9. ([reprint](#))
  219. M.Szlawska and **D.Kaczorowski**, "Intriguing magnetic and electrical transport behaviour in novel  $\text{CeTAs}_2$  (T = Cu, Ag, Au) compounds", *J. Alloys Compd.* **451** (2008) 464-466. ([reprint](#))
  220. **D.Kaczorowski**, M.Nyk, P.Gluchowski, and W.Strek, "Magnetic behavior of Gd-doped GaN nanoceramics", *J. Alloys Compd.* **451** (2008) 500-503. ([reprint](#))
  221. R.Pązik, **D.Kaczorowski**, D.Hreniak, W.Strek, and W.Łojkowski, "Synthesis, structure and magnetic properties of  $\text{BaTiO}_3$  nanoceramics", *Chem. Phys. Lett.* **452** (2008) 144-147. ([reprint](#))
  222. A.P.Pikul, **D.Kaczorowski**, Z.Bukowski, and F.Steglich, "Heat capacity studies of single-crystalline  $\text{CePt}_4\text{In}$ ", *Physica B* **403** (2008) 842-843. ([reprint](#))
  223. K.Gofryk, **D.Kaczorowski**, E.Colineau, F.Wastin, J.C.Griveau, N.Magnani, R.Jardin, J.Rebizant, P.Boulet, P.Javorsky, and R.Caciuffo, "Magnetic and related properties of  $\text{AnPd}_2\text{Sn}$  (An = Th, U, Np, Pu) system", *Physica B* **403** (2008) 847-849. ([reprint](#))
  224. M.B.Tchoula Tchokonte, P. de V.du Plessis, **D.Kaczorowski**, and A.M.Strydom, "Electrical and magnetic properties of the Kondo system  $(\text{Ce}_{1-x}\text{Y}_x)\text{Pt}_2\text{Si}_2$  ( $0 \leq x \leq 1$ )", *Physica B* **403** (2008) 1350-1352. ([reprint](#))
  225. **D.Kaczorowski** and T.Komatsubara, "Complex magnetic behaviour in single-crystalline  $\text{CeRh}_3\text{Si}_2$ ", *Physica B* **403** (2008) 1362-1364. ([reprint](#))
  226. A.Szytuła, **D.Kaczorowski**, Ł.Gondek, A.Arulraj, S.Baran, and B.Penc, "Magnetic structure of  $\text{PrRh}_2\text{Si}_2$ ", *Solid State Commun.* **146** (2008) 61-64. ([reprint](#))
  227. A.Ślebarski, W.Głogowski, J.Goraus and **D.Kaczorowski**, "Magnetic and related

- properties of the  $\text{CePd}_{1-x}\text{Rh}_x\text{Al}$  system", *Phys. Rev. B* **77** (2008) 125135-1-9. ([reprint](#))
228. **D.Kaczorowski** and V.H.Tran, "Superconductivity in the actinoid-bearing filled skutterudite  $\text{ThPt}_4\text{Ge}_{12}$ ", *Phys. Rev. B* **77** (2008) 180504(R)-1-4. ([reprint](#))
229. Ł.Gondek, A.Szytuła, **D.Kaczorowski**, Ya.Kalychak, B.Penc, J.Hernandez-Velasco, and Yu.Tyvanchuk, "Magnetism and electronic structure of  $\text{RTIn}$  ( $\text{R} = \text{Ce}, \text{Pr}, \text{Nd}$ ;  $\text{T} = \text{Ni}, \text{Cu}, \text{Pd}, \text{Au}$ ) ternary compounds", *Chem. Met. Alloys* **1** (2008) 92-96. ([reprint](#))
230. T.Toliński, **D.Kaczorowski**, A.Kowalczyk, A.Hoser, N.Stüsser, E.Talik, and L.M.Klimeczak, "Neutron diffraction and magnetization measurements on  $\text{CeNi}_{4.2}\text{Mn}_{0.8}$  and  $\text{Y}_{0.7}\text{Ni}_{4.2}\text{Mn}_{0.8}$ ", *Phys. Stat. Sol. (b)* **245** (2008) 1202-1205. ([reprint](#))
231. A.Szytuła, A.Arulraj, S.Baran, **D.Kaczorowski**, B.Penc, and N.Stüsser, "Magnetic properties of the compounds  $\text{R}_2\text{CuIn}_3$  ( $\text{R} = \text{Tb}, \text{Dy}, \text{Ho}, \text{Er}$ )", *Solid State Commun.* **147** (2008) 61-64. ([reprint](#))
232. A.Szytuła, B.Penc, **D.Kaczorowski**, A.Arulraj, S.Baran, N.Stüsser, and K.Tomala, "Magnetic and electronic properties of  $\text{RCo}_x\text{Ge}_2$  ( $\text{R} = \text{Pr}, \text{Nd}$ ) compounds", *J. Alloys Compd.* **460** (2008) 120-124. ([reprint](#))
233. L.D.Gulay, **D.Kaczorowski**, A.Szajek, and A.Pietraszko, "Crystal structure, magnetic and electronic properties of novel cerium plumbide  $\text{CeRhPb}$ ", *J. Phys. Chem. Solids* **69** (2008) 1934-1939. ([reprint](#))
234. A.Ślebarski, **D.Kaczorowski**, W.Głogowski, and J.Goraus, "The low-temperature magnetic and thermal properties and electronic structure of  $\text{CeAgAl}$ ; experiment and calculations", *J. Phys.: Condensed Matter* **20** (2008) 315208-1-8. ([reprint](#))
235. A.Pikul and **D.Kaczorowski**, "Magnetic and related properties of  $\text{U}_4\text{Rh}_{13}\text{Si}_9$  and  $\text{U}_4\text{Ir}_{13}\text{Si}_9$ ", *J. Phys. Chem. Solids* **69** (2008) 2841-2844. ([reprint](#))
236. A.Szytuła, **D.Kaczorowski**, M. Kalychak, B. Penc, Yu.Tyvanchuk, A. Winiarski, "Electronic structure and magnetic properties of the compound  $\text{CeCuIn}$ ", *J. Phys. Chem. Solids* **69** (2008) 2416– 2419. ([reprint](#))
237. E.Malicka, A.Waśkowska, J.Heimann, T.Mydlarz, R.Sitko, and **D.Kaczorowski**, "Structural and magnetic properties of  $\text{Zn}_{1-x}\text{Sb}_x\text{Cr}_{2-x/3}\text{Se}_4$  ( $x = 0.11, 0.16$  and  $0.20$ ) single crystals", *J. Solid State Chem.* **181** (2008) 1970-1976. ([reprint](#))
238. **D.Kaczorowski**, M.Konyk, A.Szytuła, L.Romaka, and O.Bodak, "Magnetic properties of the  $\text{R}_2\text{CuGe}_6$  ( $\text{R}=\text{Gd}, \text{Tb}, \text{Dy}, \text{Er}$ ) ternary compounds", *Solid State Sci.* **10** (2008) 1891-1894. ([reprint](#))
239. A.P.Pikul and **D.Kaczorowski**, "Strong electronic correlations in  $\text{CePt}_4\text{In}$ ", *Materials Science-Poland* **26** (2008) 821-830. ([reprint](#))
240. Ł.Gondek, J.Żukrowski, M.Bałanda, **D.Kaczorowski**, and A.Szytuła, " Magnetism and electronic structure of hexagonal 1:1:1 rare earth-based intermetallic compounds", *Materials Science-Poland* **26** (2008) 815-820. ([reprint](#))
- 2009**
241. A.P.Pikul and **D.Kaczorowski**, "Multi-step magnetic phase transition in  $\text{CeRh}_3\text{Si}_2$  studied by means of specific heat measurements", *Acta Phys. Polon. A* **115** (2009) 235-237. ([reprint](#))

242. M.Szlawska, **D.Kaczorowski**, T.Plackowski, and L.D.Gulay, "Thermoelectric power of single-crystalline  $\text{Ce}_2\text{RhSi}_3$ ", *Acta Phys. Polon. A* **115** (2009) 132-134. ([reprint](#))
243. H.Hermanowicz, A.Jezierski, J.Kaczkowski, and **D.Kaczorowski**, "Electronic structure of ternary antimonides  $\text{YbPdSb}$ ", *Acta Phys. Polon. A* **115** (2009) 226-228. ([reprint](#))
244. R.V.Parfeniev, K.D.Moiseev, V.A.Berezovets, N.S.Averkiev, M.P.Mikhailova, V.Nizhankovskii, and **D.Kaczorowski**, "Spin-dependent electron transport in a type II  $\text{GaInAsSb/p-InAs}$  heterojunction doped with Mn in quantized magnetic fields", *J. Magn. Magn. Mater.* **321** (2009) 712-715. ([reprint](#))
245. M.Szlawska, **D.Kaczorowski**, A.Ślebarski, L.Gulay, and J.Stępień-Damm, "Antiferromagnetic order and Kondo behavior in single-crystalline  $\text{Ce}_2\text{RhSi}_3$ ", *Phys. Rev. B* **79** (2009) 134435-1-10. ([reprint](#))
246. V.H.Tran, **D.Kaczorowski**, W.Miiller, and A.Jezierski, "Two-band conduction in superconducting  $\text{ThPt}_4\text{Ge}_{12}$ ", *Phys. Rev. B* **79** (2009) 054520-1-5. ([reprint](#))
247. V.H.Tran, B.Nowak, A.Jezierski, and **D.Kaczorowski**, "Electronic band structure, specific heat and  $^{195}\text{Pt}$ -NMR studies of the filled skutterudite superconductor  $\text{ThPt}_4\text{Ge}_{12}$ ", *Phys. Rev. B*, **79** (2009) 144510-1-8. ([reprint](#))
248. S.Baran, A.Hoser, **D.Kaczorowski**, K.Kiefer, B.Penc, and A.Szytuła, "Low temperature magnetic order in  $\text{HoFe}_2\text{Ge}_2$ ", *Solid State Commun.* **149** (2009) 1261-1263. ([reprint](#))
249. **D.Kaczorowski**, A.P.Pikul, D.Gnida, and V.H.Tran, "Emergence of a superconducting state from an antiferromagnetic phase in single crystals of the heavy-fermion compound  $\text{Ce}_2\text{PdIn}_8$ ", *Phys. Rev. Lett.*, **103** (2009) 027003-1-4. ([reprint](#))
250. S.Baran, **D.Kaczorowski**, A.Arulraj, B.Penc, and A.Szytuła, "Frustrated magnetic structure of  $\text{TmAgGe}$ ", *J. Magn. Magn. Mater.* **321** (2009) 3256-3261. ([reprint](#))
251. A.Szytuła, **D.Kaczorowski**, Ł.Gondek, A.Arulraj, S.Baran, and B.Penc, "Magnetic properties of  $\text{NdAu}_2\text{Ge}_2$ ", *J. Magn. Magn. Mater.* **321** (2009) 3402–3405. ([reprint](#))
252. M.B.Tchoula Tchokonte, P. de V.du Plessis, and **D.Kaczorowski**, "Intermediate valence to Kondo behaviour in  $\text{Ce}(\text{Pt}_{1-x}\text{Ir}_x)\text{Si}_2$  ( $0 \leq x \leq 1$ )", *Physica B* **404** (2009) 2992-2994. ([reprint](#))
253. **D.Kaczorowski**, A.Pikul, B.Belan, L.Sojka, and Ya.Kalychak, "Non-Fermi liquid behavior in polycrystalline  $\text{Ce}_2\text{PdIn}_8$ ", *Physica B* **404** (2009) 2975-2977. ([reprint](#))
254. M.Bleckmann, A.Buchsteiner, N.Stüßer, K.Gofryk, **D.Kaczorowski**, and S.Süllow, "Antiferromagnetic structure of  $\text{UPd}_2\text{Sb}$ ", *Physica B* **404** (2009) 3011-3013. ([reprint](#))
255. M.Małecka, U.Burkhardt, **D.Kaczorowski**, M.P.Schmidt, D.Goran, and L.Kępiński, "Structure and phase stability of nanocrystalline  $\text{Ce}_{1-x}\text{Ln}_x\text{O}_{2-x/2-\delta}$  ( $\text{Ln} = \text{Yb}, \text{Lu}$ ) in oxidizing and reducing atmosphere", *J. Nanopart. Res.* **11** (2009) 2113-2124. ([reprint](#))
256. Ł.Gondek, **D.Kaczorowski**, and A.Szytuła, "On the low-temperature properties of  $\text{TmRu}_2\text{Si}_2$ ", *Solid State Commun.* **149** (2009) 2181-2184. ([reprint](#))
257. E.Malicka, A.Waśkowska, D.Skrzypek, R.Sitko and **D.Kaczorowski** "The effects of doping ferromagnetic spinel  $\text{CdCr}_2\text{Se}_4$  with  $\text{Sb}^{3+}$  ions", *J. Solid State Chem.*, **182** (2009) 3149–3154. ([reprint](#))
258. S.Baran, Ł.Gondek, A.Szytuła, **D.Kaczorowski**, A.Pikul, B.Penc, P.Piekarz, A.Hoser,

- and K.Kiefer, "Low-temperature thermodynamical properties of  $\text{ErCu}_2\text{Si}_2$ ", *J. Magn. Magn. Mater.* **322** (2010) 12-18. ([reprint](#))
259. S.Baran, A.Arulraj, **D.Kaczorowski**, B.Penc, and A.Szytuła, "Magnetic ordering and magnetic properties of  $\text{ErAu}_x\text{Ni}_{1-x}\text{In}$  ( $0 \leq x \leq 1$ ) solid solution", *Intermetallics* **18** (2010) 42-46. ([reprint](#))
260. A.Soudé, O.Tougait, M.Pasturel, **D.Kaczorowski**, M.Konyk, and H.Noël, "Reinvestigation of the isothermal section of the Ce-Co-Ge ternary system at  $700^\circ\text{C}$ ", *J. Alloys Compd.* **488** (2010) 123-128. ([reprint](#))
261. **D.Kaczorowski**, A.P.Pikul, D.Gnida, and V.H.Tran, "Reply to Comment on "Emergence of a superconducting state from an antiferromagnetic phase in single crystals of the heavy fermion compound  $\text{Ce}_2\text{PdIn}_8$ " by Uhlirouva et al.", *Phys. Rev. Lett.* **104** (2010) 059702. ([reprint](#))
262. **D.Kaczorowski**, D.Gnida, A.P.Pikul, and V.H.Tran, "Heavy-fermion superconductivity in  $\text{Ce}_2\text{PdIn}_8$ ", *Solid State Commun.* **150** (2010) 411-414. ([reprint](#))
263. Ł.Gondek, **D.Kaczorowski**, and A.Szytuła, "On the magnetic properties of  $\text{Tm}_2\text{O}_3$ ", *Solid State Commun.* **150** (2010) 368-370. ([reprint](#))
264. M.B.Tchoula Tchokonte, K.G.Tshabalala, P. de V. du Plessis, and **D.Kaczorowski**, "Magnetic substitution in  $\text{CeIn}_3$ ", *J. Phys. Chem. Solids* **71** (2010) 181-186. ([reprint](#))
265. O.M.Strok, M.Daszkiwicz, L.D.Gulay, and **D.Kaczorowski**, "Crystal structure and magnetic properties of  $\text{Sm}_3\text{CuGeS}_7$  and  $\text{Sm}_3\text{CuGeSe}_7$ ", *J. Alloys Compd.* **493** (2010) 47-49. ([reprint](#))
266. M.B.Tchoula Tchokonte, P. de V. du Plessis, **D.Kaczorowski**, and A.M.Strydom, "Electrical and thermodynamic properties of  $\text{RE}_8\text{Pd}_{24}\text{Sn}$ ", *J. Phys.: Conf. Ser.* **200** (2010) 012204-1-4. ([reprint](#))
267. A.P.Pikul, Ł.Gondek, **D.Kaczorowski**, and A.Szytuła, "Magnetic behavior in  $\text{TmCu}_2\text{Ge}_2$ ", *J. Phys.: Conf. Ser.* **200** (2010) 032056-1-3. ([reprint](#))
268. M.Baenitz, R.Sarkar, R.Gumeniuk, A.Leithe-Jasper, W.Schnelle, H.Rosner, U.Burkhardt, M.Schmidt, U.Schwarz, **D.Kaczorowski**, Yu.Grinn, and F.Steglich, "Ge-based skutterudites  $\text{MPt}_4\text{Ge}_{12}$ : a comparative  $^{195}\text{Pt}$  NMR study", *Phys. Stat. Sol. (b)* **247** (2010) 740-742. ([reprint](#))
269. Ł.Gondek, B.Penc, **D.Kaczorowski**, S.Baran, A.Hoser, and A.Szytuła, "Magnetic and thermodynamic properties of  $\text{NdT}_2\text{Ge}_2$  ( $\text{T} = \text{Pd, Ag}$ ) compounds", *J. Solid State Chem.*, in press.
270. S.Baran, **D.Kaczorowski**, A.Arulraj, B.Penc, and A.Szytuła, "Magnetic structure and thermodynamic properties of  $\text{TmPtIn}$ ", *J. Magn. Magn. Mater.*, in press.
271. S.Baran, **D.Kaczorowski**, B.Penc, D.Sheptyakov, and A.Szytuła, "Crystal structure and magnetic properties of  $\text{TbFe}_{0.4}\text{Ge}_2$ ", *J. Magn. Magn. Mater.*, in press.
272. M.Szlawska, **D.Kaczorowski**, and M.Reehuis, "Experimental study on the magnetic ordering in  $\text{U}_2\text{NiSi}_3$ ", *Phys. Rev. B*, in press.