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Ferromagnetism, superconductivity and quantum criticality in uranium intermetallics

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Publication date
2008

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Citation for published version (APA):

Nguyen Thanh, H. (2008). *Ferromagnetism, superconductivity and quantum criticality in uranium intermetallics*.

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List of publications

1. D.E. de Nijs, **N.T. Huy** and A. de Visser, “*Simultaneous suppression of ferromagnetism and superconductivity in UCoGe by Si substitution*”, Phys. Rev. B **77** (2008) 140506(R).
(As a part of Chapter 8)
2. S. Sakarya, **N.T. Huy**, N.H. van Dijk, A. de Visser, J.C.P. Klaasse, M. Wagemaker, T.J. Gortenmulder, M. Uhlarz and H. von Löhneysen, “*Evolution of ferromagnetic order in URhGe alloyed with Ru, Co and Si*”, J. Alloys and Compounds **457** (2008) 51.
(As a part of Chapters 4 and 6)
3. **N.T. Huy**, D.E. de Nijs, A. Gasparini, J.C.P. Klaasse, A. de Visser and N.H. van Dijk, “*Evidence for a ferromagnetic quantum critical point in URhGe doped with Ru*”, Physica B **403** (2008) 1260.
(As a part of Chapter 4)
4. **N.T. Huy**, D.E. de Nijs, Y.K. Huang and A. de Visser, “*Unusual upper critical field of the ferromagnetic superconductor UCoGe*”, Phys. Rev. Lett. **100** (2008) 077002.
(As a part of Chapter 7)
5. W. Montfrooij, J. Lamsal, M. Aronson, M. Bennett, A. de Visser, Y. Huang, **N.T. Huy**, M. Yethiraj, M. Lumsden and Y. Qiu, “*The ground state of a quantum critical system: Neutron scattering on Ce(Ru_{1-x}Fe_x)₂Ge₂*”, Phys. Rev. B **76** (2007) 052404.
6. **N.T. Huy**, A. Gasparini, D.E. de Nijs, Y. Huang, J.C.P. Klaasse, T. Gortenmulder, A. de Visser, A. Hamann, T. Görlach and H. von Löhneysen, “*Superconductivity on the border of weak itinerant ferromagnetism in UCoGe*”, Phys. Rev. Lett. **99** (2007) 067006.
(As a part of Chapter 7)
7. **N.T. Huy**, A. Gasparini, J.C.P. Klaasse, A. de Visser, S. Sakarya and N.H. van Dijk, “*Ferromagnetic quantum critical point in URhGe doped with Ru*”, Phys. Rev. B **75** (2007) 212405.
(As a part of Chapter 4)

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8. S. Sakarya, N.H. van Dijk, **N.T. Huy** and A. de Visser, “*Suppression of ferromagnetism in URhGe doped with Ru*”, *Physica B* **378-380** (2006) 970.
(As a part of Chapter 4)
 9. **N.T. Huy**, V.N. Hung and N.P. Thuy, “*Preparation of sputtered thin films Pb(Zr,Ti)O₃ from a multi-element metallic target*”, *J. Sci., Math.-Phys., VNU, Hanoi, T. XX, No. 1*, (2004) 31.
 10. N.H. Duc, A. Fnidiki, F. Richomme, **N.T. Huy** and J. Teillet, “*Magnetic and Mössbauer studies of perpendicular magnetic anisotropy in nano-crystalline Gd-Fe films*”, *Trans. Mag. Soc. Jpn.* **2** (2002) 202.