

LIST OF PUBLICATIONS

Number of papers: 22

Number of independent citations: 219

Hirsch-index: 8

2011

- 1) A. Kiss, Y. Kuramoto, and S. Hoshino: "Numerical study of Kondo impurity models with strong potential scattering: - reverse Kondo effect and antiresonance -", Phys. Rev. B. **84**, 174402 (2011).
- 2) A. Kiss, A. Pályi, Y. Ihara, P. Wzietek, P. Simon, H. Alloul, V. Zólyomi, J. Koltai, J. Kürti, B. Dóra, and F. Simon: "Enhanced NMR relaxation of Tomonaga-Luttinger liquids and the magnitude of the carbon hyperfine coupling in single-wall carbon nanotubes", Phys. Rev. Lett. **107**, 187204 (2011).

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- 3) A. Kiss and F. Simon: "Nature of the low temperature ordering of Pr in $\text{PrBa}_2\text{Cu}_3\text{O}_{6+x}$ ", Phys. Rev. B **82**, 174413 (2010).

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- 4) A. Kiss and Y. Kuramoto: "Ordering and crossover in a pseudo-sextet localized electron model - possible scenario for $\text{SmRu}_4\text{P}_{12}$ skutterudite -", J. Phys. Soc. Jpn. **78**, 124702 (2009).
- 5) Y. Kuramoto, H. Kusunose, and A. Kiss: "Multipole orders and fluctuations in strongly correlated electron systems", J. Phys. Soc. Jpn. **78**, 072001 (2009), invited review paper.

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- 6) A. Kiss and Y. Kuramoto: "Theory of successive magnetic transitions with tilting of moments - application to NpFeGa_5 -", J. Phys. Soc. Jpn. **77**, 124708 (2008).
- 7) A. Kiss and Y. Kuramoto: "Phenomenological theory of a scalar electronic order: application to skutterudite $\text{PrFe}_4\text{P}_{12}$ ", J. Phys. Soc. Jpn. **77**, 034602 (2008).
- 8) A. Kiss and Y. Kuramoto: "Consequence of spatial symmetry on ^{31}P NMR spectra in $\text{PrFe}_4\text{P}_{12}$ with scalar order", J. Phys. Soc. Jpn. **77**, Suppl. A, 72 (2008).
- 9) Y. Kuramoto and A. Kiss: "Toward identification of order parameters in skutterudites - a wonderland of strong correlation physics -", J. Phys. Soc. Jpn. **77**, Suppl. A, 187 (2008).

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- 10) A. Kiss and Y. Kuramoto: "Scalar order: possible candidate for order parameters in skutterudites", J. Phys. Soc. Jpn. **75**, 103704 (2006).
- 11) Y. Kuramoto, H. Kusunose, A. Kiss: "Diffraction from ordered states of higher multipoles", Physica B **383**, 5 (2006).

- 12) A. Kiss and Y. Kuramoto: "Model for multiple ordered phases induced by magnetic field in $PrFe_4P_{12}$ ", Physica B **378-380**, 248 (2006).
- 13) Y. Kuramoto, A. Kiss, J. Otsuki, H. Kusunose: "Hybridization and multiple orders of $4f$ electrons in Pr skutterudites", J. Phys. Soc. Jpn. **75**, Suppl. 209 (2006).
- 14) A. Kiss and Y. Kuramoto: "Mean-field model for the magnetic behavior of $NpTGa_5$ with $T=Co, Ni$ and Rh ", J. Phys. Soc. Jpn. **75**, Suppl. 253 (2006).
- 15) A. Kiss and Y. Kuramoto: "Mean-field model for magnetic orders in $NpTGa_5$ with $T=Co, Ni$ or Rh ", J. Phys. Soc. Jpn. **75**, 034709 (2006).

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- 16) P. Fazekas, A. Kiss, K. Radnóczy: "Sequence of multipolar transitions: A scenario for URu_2Si_2 ", Prog. Theor. Phys. **160**, Suppl. 114 (2005).
- 17) Y. Kuramoto, J. Otsuki, A. Kiss, H. Kusunose: "Hybridization effects and multiple orders in Pr skutterudites", Prog. Theor. Phys. **160**, Suppl. 134 (2005).
- 18) A. Kiss and Y. Kuramoto: "On the origin of multiple ordered phases in $PrFe_4P_{12}$ ", J. Phys. Soc. Jpn. **74**, 2530 (2005).
- 19) A. Kiss and P. Fazekas: "Group theory and octupolar order in URu_2Si_2 ", Phys. Rev. B **71**, 054415 (2005).

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- 20) A. Kiss and P. Fazekas: "Octupolar ordering of Γ_8 ions in a magnetic field", Phys. Rev. B **68**, 174425 (2003).
- 21) A. Kiss and P. Fazekas: "Quadrupolar interactions in Pr compounds: $PrFe_4P_{12}$ and $PrBa_2Cu_3O_6$ ", J. Phys.: Condens. Matter **15**, S2109 (2003).

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- 22) P. Fazekas and A. Kiss: "Competition and coexistence of magnetic and quadrupolar ordering", NATO SCIENCE SERIES II: Mathematics, Physics and Chemistry **110** "Concepts in Electron Correlation", 169-177 (2002).