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<i>Short CV</i>	
1984 Bachelor's degree in department of Physics, Kyoto University 1993 Dr. degree of Physics in department of Physics, Osaka University 1991-1995 Research Associate at Institute for Solid State Physics, University of Tokyo, 1995-2001 Associate Professor at Institute for Material Research, Tohoku University, 2001-2004 Professor at Department of Physics, Okayama University 2004-present Professor at Institute for Material Research, Tohoku University Steering committee member of Center for Integrated Nano-Technology Support(CINTS) 2009- 華中科学技術大学客員教授 2010-Director of International collaboration center of IMR	
<i>Research interests and activities</i>	
Study of quantum magnetism in wide range such as low-dimensional quantum spin systems, strongly correlated electron system and molecular magnets High magnetic field and high frequency THz-electron spin resonance in magnetic compounds X-ray and neutron scatterings in high magnetic field, study of field induced phase transitions Project leader of Grant-in-Aid for Scientific Research on priority Areas “High Field Spin Science in 100T” (2005-2009). Project leader of Grant-in-Aid for Scientific Research “Study of Quantum Magnetic Phases by High Magnetic Field Neutron Scattering and XMCD Project”(2011-2015)	
<i>Home-page and Link to research data base</i>	
http://www.hfpm.imr.tohoku.ac.jp/ http://db.tohoku.ac.jp/whois/e_detail/3e712acc11b993d55d8579e6eef832df.html	

Major publication

- 1) Isothermal Switching of Perpendicular Exchange Bias by Pulsed High Magnetic Field, Appl. Phys. Lett. **100**(2012) 262413
- 2) Magnetic Structure of Phase II in $U(Ru_{0.96}Rh_{0.04})_2Si_2$ Determined by Neutron Diffraction under Pulsed High Magnetic Fields, Phys. Rev. Lett. **110**(2013) 216406
- 3) X-ray Spectroscopies in Pulsed High Magnetic Fields: New Frontier with Flying Magnets and Rolling Capacitor Banks, SRN **25**(2012) 12-17.
- 4) Neutron Laue Diffraction Study on the Magnetic Phase Diagram of Multiferroic $MnWO_4$ under Pulsed High Magnetic Fields, Phys. Rev. Lett. **106**(2011) 237202
- 5) Universal Magnetic Structure of the Half-Magnetization Phase in Cr-Based Spinel, Phys. Rev. Lett. **104**(2010) 047201
- 6) Observation of a Half Step Magnetization in the Cu_3 -type Triangular Spin ring, Phys. Rev. Lett. **96**(2006) 107202
- 7) Oximate-Bridged Trinuclear Dy-Cu-Dy Complex Behaving as a Single-Molecule Magnet and Its Mechanistic Investigation, J. Am. Chem. Soc. **128**(2006) 1440-1441.
- 8) ESR Study on the Excited State Energy Spectrum of $SrCu_2(BO_3)_2$ - A Central Role of Multiple-Triplet Bound States, J. Phys. Soc. Jpn. **72** (2003) 3243-3253.
- 9) Two Ferromagnetic Phases in $La_{0.88}Sr_{0.12}MnO_3$, Phys. Rev. B **60**(1999) 4142-4148.

Present international collaborations

Argonne National Laboratory, X-ray Experiments in High Magnetic Field
OakRidge National Laboratory, Neutron Diffraction in High Magnetic Field
Hozon University of Science and Technology, High Magnetic Field Science
University at Bielefeld, Molecular Magnetism
Ames Laboratory, Molecular Magnetism
Machester University, Molecular Magnetism THz Spectroscopy
Rice University, Bench Top Pulsed Field for Spectroscopy