

Publication List

List of Publication 2006

J. Azuma, M. Itoh, M. Koike, M. Kamada, and M. Endo
Infrared Absorption Change in Single-walled Carbon Nanotubes Observed by Combination Spectroscopy of SR and Laser
Journal of Synchrotron Radiation 13 (2006) 464.

K. Chong, T. Hirai, T. Kawai, S. Hashimoto, and N. Ohno
Optical Properties of Bi³⁺ ions Doped in NaYF₄
J. Lumin. **122-123** (2007) 149.

J. Ding, B.H. Sun, T.X. Fan, D. Zhang, M. Kamada, H. Ogawa, and Q.X. Guo
EXAFS Study on Dynamic Structural Property of Porous Morph-genetic SiC
Nucl. Instrum. Methods Phys. Res. B 238 (2005) 138.

T. Ejima, T. Harada, and A. Yamazaki
Phase Change Observation in Reflection Multilayers by Total Electron Yield and Reflection Spectra
Appl. Phys. Lett. **89** (2006) 021914.

J. Fujioka, S. Miyasaka, and Y. Tokura
Doping Variation of Orbital Induced Anisotropy in the Electronic Structure of La_{1-x}Sr_xVO₃
Phys. Rev. Lett. **97** (2006) 196401.

K. Fukui, Y. Kugumiya, N. Nagagawa, and A. Yamamoto
Infrared Reflectance Measurement for InN Thin Film Characterization
Phys. Stat. Sol. (c) **3** (2006) 1874.

K. Fukui, S. Naoe, K. Okada, S. Hamada, and H. Hirayama
Band-to-band and Inner Shell Excitation VIS-UV Photoluminescence of Quaternary InAlGaN Alloys
Phys. Stat. Sol. (c) **3** (2006) 1879.

M. Furukawa, H.S. Kato, M. Taniguchi, T. Kawai, T. Hatsui, N. Kosugi,
T. Yoshida, M. Aida, and M. Kawai

Electronic States of the DNA Polynucleotides Poly(dG)-poly(dC) in the Presence of Iodine

Phys. Rev. B **75** (2007) 045119.

M. Hasegawa, T. Takeuchi, K. Soda, H. Sato, and U. Mizutani

Electronic Structure and Phase Stability of Glassy Alloys

Mater. Sci. Forum **539-543** (2007) 2048.

M. Hasegawa, K. Soda, H. Sato, T. Suzuki, T. Taketomi, T. Takeuchi, H. Kato,
and U. Mizutani

Stability and Electronic Structure of Zr-based Ternary Metallic Glasses and Relevant Compounds

Journal of Alloys and Compounds **434-435** (2007) 149.

Y. Hikosaka, T. Kaneyasu, and E. Shigemasa

Ion Pair Formation in the Vacuum Ultraviolet Region of NO Studied by Negative Ion Imaging Spectroscopy

Journal of Electron Spectroscopy and Related Phenomena **154** (2007) 43.

T. Hirai, N. Ohno, S. Hashimoto, and S. Sakuragi

Luminescence of NaGdF₄:Tb³⁺,Eu³⁺ under Vacuum Ultraviolet Excitation

J. Alloys and Compounds **408-412** (2006) 894.

T. Hirai, H. Yoshida, S. Sakuragi, S. Hashimoto, and N. Ohno

Transfer of Excitation Energy from Pr³⁺ to Gd³⁺ in YF₃:Pr³⁺,Gd³⁺

Jpn. J. Appl. Phys. **46** (2007) 660.

K. Ichimura, T. Fuyuki, T. Kawai, S. Hashimoto, T. Hirai, and N. Ohno

Luminescence Properties of Tl⁺ Centers doped in KH₂PO₄

Phys. Stat. Sol. (c) **10** (2006) 3607.

T. Ito, H.J. Im, S. Kimura, and Y.S. Kwon

Three-dimensional Fermi-surface of CeTe₂ Studied by Angle-resolved Photoemission

J. Mag. Magn. Mater. **310** (2007) 431.

T. Ito, S. Kimura, H.J. Im, E. Nakamura, M. Sakai, T. Horigome, K. Soda,
and T. Takeuchi

BL5U at UVSOR-II for Three-dimensional Angle-resolved Photoemission Spectroscopy

AIP Conf. Proc. **879** (2007) 587.

T. Ito, H.J. Im, S. Kimura, and Y.S. Kwon

Angle-resolved Photoemission Study on CeTe₂

Physica B **378-380** (2006) 767.

B.P. Kafle, H. Katayanagi, and K. Mitsuke

Photofragment Imaging Apparatus for Measuring Momentum Distributions in Dissociative Photoionization of Fullerenes

Am. Inst. Phys. **CP879** (2007) 1809.

K. Kanda, K. Mitsuke, K. Suzuki, and T. Ibuki

Photodissociation of Butyl Cyanides and Butyl Isocyanides in the Vacuum UV Region

Am. Inst. Phys. **CP879** (2007) 1817.

T. Kaneyasu, T. Aoto, Y. Hikosaka, E. Shigemasa, and K. Ito

Coster-Kronig Decay of the 2s Hole State in HCl Observed by Sub-Natural Linewidth Auger Electron Spectroscopy

Journal of Electron Spectroscopy and Related Phenomena **153** (2006) 88.

T. Kaneyasu, Y. Hikosaka, and E. Shigemasa

Development of Auger-Electron-Ion Coincidence Spectrometer to Study Decay Dynamics of Core Ionized Molecules

AIP Conf. Proc. **879** (2007) 1793.

T. Kaneyasu, Y. Hikosaka, and E. Shigemasa

Electron-Ion Coincidence Spectrometer for Studies on Decay Dynamics of Core-Excited Molecules

Journal of Electron Spectroscopy and Related Phenomena, in press.

M. Katoh, E. Shigemasa, S. Kimura, and N. Kosugi

Present Status of UVSOR-II

AIP Conf. Proc. **879** (2007) 192.

M. Katoh, M. Hosaka, A. Mochihashi, M. Shimada, S. Kimura Y. Takashima,
and N. Kosugi

Coherent Terahertz Radiation at UVSOR-II

AIP Conf. Proc. **879** (2007) 71.

E. Kawabe, H. Yamane, K. Koizumi, R. Sumii, K. Kanai, Y. Ouchi, and K. Seki
**The Electronic Structure and the Energy Level Alignment at the Interface
Between Organic Molecules and Metals**

Mater. Res. Soc. Symp. Proc. **965** (2007) 0965-S09-28

S. Kimura, and T. Mizuno

Application of Terahertz Synchrotron Radiation at UVSOR-II

AIP Conf. Proc. **902**, 67 (2007).

S. Kimura, T. Nishi, T. Takahashi, T. Mizuno, K. Miyagawa, H. Taniguchi,
A. Kawamoto, and K. Kanoda

**Pressure Dependence of Phase Separation in Deuterated κ -
(ET)₂Cu[N(CN)₂]Br at the Mott Boundary**

J. Magn. Magn. Mater **310** (2007) 1102.

S. Kimura, T. Ito, E. Nakamura, M. Hosaka, and M. Katoh

**Design of a High-Resolution and High-Flux Beamline for VUV Angle-
Resolved Photoemission at UVSOR-II**

AIP Conf. Proc. **879** (2007) 527.

S. Kimura, Y. Sakurai, E. Nakamura, and T. Mizuno

**Terahertz Microspectroscopy and Infrared Reflection-Absorption
Spectroscopy Apparatuses at UVSOR-II**

AIP Conf. Proc. **879** (2007) 595.

S. Kimura, J. Sichelschmidt, J. Ferstl, C. Krellner, C. Geibel, and F. Steglich
**Optical Observation of Non-Fermi-liquid Behavior in the Heavy Fermion
State of YbRh₂Si₂**

Phys. Rev. B **74** (2006) 132408.

S. Kimura, E. Nakamura, T. Nishi, Y. Sakurai, K. Hayashi, J. Yamazaki and M. Katoh

Infrared and Terahertz Spectromicroscopy Beam Line BL6B(IR) at UVSOR-II

Infrared Phys. Tech. **49** (2006) 147.

S. Kimura, H.J. Im, Y. Sakurai, T. Mizuno, K. Takegahara, H. Harima, K. Hayashi, E. Matsuoka, and T. Takabatake

Infrared Study on Electronic Structure of $\text{SrT}_4\text{Sb}_{12}$ ($T = \text{Fe, Ru}$)

Physica B **383** (2006) 137.

S. Kimura, T. Mizuno, H.J. Im, K. Hayashi, E. Matsuoka, and T. Takabatake
Iron-Based Heavy Quasiparticles in $\text{SrFe}_4\text{Sb}_{12}$: An Infrared Spectroscopic Study

Phys. Rev. B **73** (2006) 214416.

M. Kitaura, N. Fujita, M. Itoh, and H. Nakagawa

Origin of Photocurrent Traps in Photorefractive $\alpha\text{-LiIO}_3$ Crystals by Optical Measurement and Cluster Calculation

Phys. Rev. B **73** (2006) 115110.

H. Kobayashi, Y. Arachi, S. Emura, K. Handa, and K. Tatsumi

Observation of Valence State Change in Layered $\text{Li}_{1-y}\text{Ni}_{1/3}\text{Mn}_{1/3}\text{Co}_{1/3}\text{O}_2$

AIP Conf. Proc. **882** (2007) 478.

Y.S. Kwon, K.E. Lee, M.A. Jung, E.Y. Song, H.J. Oh, H.J. Im, and S. Kimura
Hybridization Gap Collapse at a Quantum Critical Point of $\text{CeNi}_{1-x}\text{Co}_x\text{Ge}_2$

J. Magn. Magn. Mater. **310** (2007) 310.

Y.S. Kwon, J.B. Hong, H.J. Im, T. Nishi, and S. Kimura

Infrared Absorption in Heavy Fermion System $\text{CeNi}_{1-x}\text{Co}_x\text{Ge}_2$

Physica B **378-380** (2006) 823.

M. Labat, M. E. Couprie, M. Hosaka, A. Mochihashi, M. Katoh,
and Y. Takashima

**Longitudinal and Transverse Heating of a Relativistic Electron Bunch
Induced by a Storage Ring Free Electron Laser**

Phys. Rev. ST Accel. Beams **9** (2006)100701.

K. Mitsuke, T. Mori, J. Kou, Y. Haruyama, Y. Takabayashi, and Y. Kubozono
Photoion Yield Curves of Dy@C₈₂ in the Vacuum UV Region

Int. J. Mass Spectrom. **243** (2005) 121.

K. Mitsuke, H. Katayanagi, J. Kou, T. Mori, and Y. Kubozono

**Fragmentation Mechanism of Highly Excited C₇₀ Cations in the Extreme
Ultraviolet**

Am. Inst. Phys. **CP811** (2006) 161.

H. Miyazaki, K. Soda, S. Yagi, M. Kato, T. Takeuchi, U. Mizutani,
and Y. Nishino

Surface and Bulk Electronic Structures of Heusler-type Fe₂VAl

J. Vac. Sci. Technol. A **24** (2006) 1464.

A. Mochihashi, M. Katoh, M. Hosaka, Y. Takashima, and Y. Hori

**Touschek Lifetime Measurement with a Spurious Bunch in Single-bunch
Operation in UVSOR-II Electron Storage Ring**

Nucl. Instrum. Methods Phys. Res. A **572** (2007) 1033.

T. Nakagawa, T. Yokoyama, M. Hosaka, and M. Katoh

**Measurements of Threshold Photoemission Magnetic Dichroism Using
Ultraviolet Lasers and a Photoelastic Modulator**

Rev. Sci. Instrum. **78** (2007) 023907.

S. Nakano, T. Takeuchi, K. Soda, M. Hasegawa, U. Mizutani, H. Sato, K. Itoh,
and T. Fukunaga

**Investigation of Stability of the Zr-Ni-Al Bulk Amorphous Phase from
Local Atomic Arrangements of the Relevant Crystals**

J. Jpn. Soc. Powder Powder Metallurgy **53** (2006) 100.

T. Nishi, S. Kimura, T. Takahashi, H.J. Im, Y.S. Kwon, T. Ito, K. Miyagawa, H. Taniguchi, A. Kawamoto, and K. Kanoda

Magnetic-field-induced Superconductor-insulator-metal Transition in an Organic Conductor: An Infrared Magneto-optical Imaging Spectroscopic Study

Phys. Rev. B **75** (2007) 014525.

H. Okamura, T. Watanabe, M. Matsunami, N. Tsujii, T. Ebihara, H. Sugawara, H. Sato, Y. Onuki, Y. Isikawa, T. Takabatake, and T. Nanba

Universal Scaling in the Dynamical Conductivity of Heavy Fermion Ce and Yb Compounds

J. Phys. Soc. Jpn. **76** (2007) 023703.

H. Okamura, T. Michizawa, T. Nanba, and T. Ebihara

Infrared Study of Valence Transition Compound YbInCu₄ Using Cleaved Surfaces

J. Phys. Rev. B **75** (2007) 041101.

Y. Sakurai, T. Nishi, S. Kimura, Y.S. Kwon, M.A. Avila, and T. Takabatake

Optical Study on Clathrates Sr₈Ga₁₆Ge₃₀ and β-Eu₈Ga₁₆Ge₃₀

Physica B **383** (2006) 122.

T. Suzuki, H. Miyazaki, K. Soda, T. Takeuchi, M. Hasegawa, H. Sato, and U. Mizutani

Electronic Structure of Zr-TM-Al (TM = Ni, Cu) Bulk Metallic Glasses

J. Jpn. Soc. Powder Powder Metallurgy **53** (2006) 107.

T. Takeuchi, S. Nakano, K. Soda, H. Sato, M. Hasegawa, U. Mizutani, K. Itoh, and T. Fukunaga

Local Atomic Arrangements and Electronic Structure of the Zr-Ni-Al Bulk Metallic Glass - Analysis by Use of the Relevant Crystals -

Materials Science and Engineering A **449-451** (2007) 599.

T. Takeuchi, D. Fukamaki, H. Miyazaki, K. Soda, M. Hasegawa, H. Sato, U. Mizutani, T. Ito, and S. Kimura

Electronic Structure and Stability of the Pd-Ni-P Bulk Metallic Glass

Materials Transactions, **48**(6) (2007) in press.

A. Tanaka, M. Imamura, and H. Yasuda

Interface Electronic Structures of Alkanethiolate-passivated Au Nanoparticles Studied by Photoelectron Spectroscopy

Phys. Rev. B **74** (2006) 113402.

A. Tanaka, R. Saito, T. Kamikake, M. Imamura, and H. Yasuda

Nanoparticles

Solid State Commun. **140** (2006) 400.

K. Watanabe, A. Kokalj, H. Horino, I.I. Rzeznicka, K. Takahashi, N. Nishi, and T. Matsushima

STM and NEXAFS Studies of N₂O Orientation on Pd(110)

Jpn. J. Appl. Phys., **45** (2006) 2290

M. Yamaga, E. Hayashi, N. Kodama, K. Itoh, S. Yabashi, Y. Masui, S. Ono, N. Sarukura, T.P.J. Han, and H.G. Gallagher

Vacuum Ultraviolet Spectroscopy of Ce³⁺-doped SrMgF₄ with Superlattice

J. Phys. : Condens. Matter **18** (2006) 6033.

T. Yoshida, T. Tanabe, S. Takahara, and H. Yoshida

Measurement of Luminescence from Silica Glasses : an Optical X-ray Absorption Fine Structures Study at Si K-edge

Physica Scripta **T115** (2005) 528.

T. Ejima

Phase Measurement Method of EUV Reflection Multilayer Combining Reflection and Total Electron Yield Spectra

Journal of the Spectroscopical Society of Japan **55** (2006) 259 (in Japanese).

H.S. Kato, M. Furukawa, T. Hatsui, M. Taniguchi, T. Kawai, N. Kosugi, and M. Kawai

Charge Migration Mechanism in DNA Strands Elucidated by Electronic Structure Examinations

Journal of the Surface Science Society of Japan **27** (2006) 35 (in Japanese).