

- [4] "Bulk Screening in Core-Level Photoemission from Mott-Hubbard and Charge-Transfer Systems"
M. Taguchi, A. Chainani, N. Kamakura, K. Horiba, Y. Takata, M. Yabashi, K. Tamasaku, Y. Nishino, D. Miwa, T. Ishikawa, S. Shin, E. Ikenaga, T. Yokoya, K. Kobayashi, T. Mochiku, K. Hirata, K. Motoya
Physical Review B, **71**, (2005), 155102
- [5] "Evidence for Suppressed Screening on the Surface of High Temperature $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ and $\text{Nd}_{2-x}\text{Ce}_x\text{O}_4$ Superconductors"
M. Taguchi, A. Chainani, K. Horiba, Y. Takata, M. Yabashi, K. Tamasaku, Y. Nishino, D. Miwa, T. Ishikawa, T. Takeuchi, K. Yamamoto, M. Matsunami, S. Shin, T. Yokoya, E. Ikenaga, K. Kobayashi, T. Mochiku, K. Hirata, J. Hori, K. Ishii, F. Nakamura, T. Suzuki
Physical Review Letters, **95**, (2005), 177002
- [6] "Temperature-Induced Valence Transition in $\text{EuNi}_2(\text{Si}_{0.20}\text{Ge}_{0.80})_2$ Studied by Hard X-ray Photoemission Spectroscopy"
K. Yamamoto, N. Kamakura, M. Taguchi, A. Chainani, Y. Takata, K. Horiba, S. Shin, E. Ikenaga, K. Mimura, M. Shiga, H. Wada, H. Namatame, M. Taniguchi, M. Awaji, A. Takeuchi, Y. Nishino, D. Miwa, K. Tamasaku, T. Ishikawa, K. Kobayashi
Journal of Electron Spectroscopy and Related Phenomena, **144-147**, (2005), 553-555
- [7] "Temperature-Dependent Eu 3*d*-4*f* X-ray Absorption and Resonant Photoemission Study of the Valence Transition in $\text{EuNi}_2(\text{Si}_{0.2}\text{Ge}_{0.8})_2$ "
K. Yamamoto, K. Horiba, M. Taguchi, M. Matsunami, N. Kamakura, A. Chainani, Y. Takata, K. Mimura, M. Shiga, H. Wada, Y. Senba, H. Ohashi, S. Shin
Physical Review B, **72**, (2005), 161101(R)

BL19LXU

Refereed Journals

- [1998]
- [1] "Standard Transport Channels of X-Ray Beamlines at SPring-8"
S. Goto, M. Yabashi, H. Ohashi, H. Kimura, K. Takeshita, T. Uruga, T. Mochizuki, Y. Kohmura, M. Kuroda, M. Yamamoto, Y. Furukawa, N. Kamiya, T. Ishikawa
Journal of Synchrotron Radiation, **5**, (1998), 1202-1205
- [2001]
- [2] "Design of the Front End for the Very Long In-Vacuum X-Ray Undulator at SPring-8"
S. Takahashi, H. Aoyagi, T. Mochizuki, M. Oura, Y. Sakurai, A. Watanabe, H. Kitamura
Nuclear Instruments and Methods in Physics Research Section A, **467-468**, (2001), 758-761
- [3] "Characterization of the Transverse Coherence of Hard Synchrotron Radiation by Intensity Interferometry"
M. Yabashi, K. Tamasaku, T. Ishikawa
Physical Review Letters, **87**, (2001), 140801
- [4] "Design of a Beamline for the SPring-8 Long Undulator Source 1"
M. Yabashi, T. Mochizuki, H. Yamazaki, S. Goto, H. Ohashi, K. Takeshita, T. Ohata, T. Matsushita, K. Tamasaku, Y. Tanaka, T. Ishikawa
Nuclear Instruments and Methods in Physics Research Section A, **467-468**, (2001), 678-681
- [5] "X-Ray Monochromator with an Energy Resolution of 8×10^{-9} at 14.41 keV"
M. Yabashi, K. Tamasaku, S. Kikuta, T. Ishikawa
Review of Scientific Instruments, **72**, (2001), 4080-4083
- [2002]
- [6] "The Brightest X-Ray Source: a Very Long Undulator at SPring-8"
T. Hara, M. Yabashi, T. Tanaka, T. Bizen, S. Goto, Xavier M. Marechal, T. Seike, K. Tamasaku, T. Ishikawa, H. Kitamura
Review of Scientific Instruments, **73**, (2002), 1125-1128
- [7] "Observation of Field-Induced Magnetic and Structural Transitions in an Antiferromagnet by Means of Synchrotron X-Rays"
K. Katsumata, Y. Tabata, Stephen W. Lovesey, T. Nakamura, Y. Tanaka, S. Shimomura, Y. Narumi, T. Ishikawa, H. Kitamura, T. Hara, T. Tanaka, K. Tamasaku, M. Yabashi, S. Goto, H. Ohashi, K. Takeshita, T. Ohata, T. Matsushita, T. Bizen, I. Yamada
Journal of Physics: Condensed Matter, **14**, (2002), L619-L623
- [8] "Measurement of X-Ray Pulse Widths by Intensity Interferometry"
M. Yabashi, K. Tamasaku, T. Ishikawa
Physical Review Letters, **88**, (2002), 244801

- [2003]
- [9] "High-Resolution Fourier Transform X-Ray Spectroscopy"
K. Tamasaku, T. Ishikawa, M. Yabashi
Applied Physics Letters, **83**, (2003), 2994-2996
- [10] "X-Ray Interferometer Using Wavefront Division"
H. Yamazaki, T. Ishikawa
Journal of Applied Crystallography, **36**, (2003), 213-219
- [2004]
- [11] "High Field Magnetic Phase Diagram of CeP Studied by Synchrotron Radiation X-ray Diffraction"
A. Hannan, K. Kuwahara, D. Kawana, M. Kohgi, Y. Narumi, Y. Tabata, K. Katsumata
Journal of Magnetism and Magnetic Materials, **272-276**, (2004), e427-e428
- [12] "Resonant Inelastic X-Ray Scattering (RIXS) of SrCuO₂"
A. Higashiya, A. Shigemoto, S. Kasai, S. Imada, S. Suga, M. Sing, K. Changyoung, M. Yabashi, K. Tamasaku, T. Ishikawa
Solid State Communications, **130**, (2004), 7-11
- [13] "Synchrotron X-ray Diffraction Measurements in Applied Magnetic Fields"
K. Katsumata
Physica B, **345**, (2004), 49-54
- [14] "Studies of Unusual Magnetic and Electronic Properties of the Low-Carrier System CeP by Synchrotron X-rays"
M. Kogi, K. Iwasa, K. Kuwahara, A. Hannan, D. Kawana, Y. Noda, T. Shobu, K. Katsumata, Y. Narumi, Y. Tabata
Physica B, **345**, (2004), 55-58
- [15] "Observation of a Lattice Instability at the Field-induced Phase Transition of the Spin-gapped Compound Cu₂(C₅H₁₂N₂)₂Cl₄"
J. E. Lorenzo, K. Katsumata, Y. Narumi, S. Shimomura, Y. Tanaka, M. Hagiwara, H. Mayaffre, C. Berthier, O. Piovesana, T. Ishikawa, H. Kitamura
Physical Review B, **69**, (2004), 220409
- [16] "Synchrotron X-ray Diffraction Studies on Magnetic Materials in High Magnetic Fields"
Y. Narumi, K. Katsumata, Y. Tanaka, T. Nakamura, S. Shimomura, Y. Tabata, S. Kimura, M. Matsuda
Physica B, **346-347**, (2004), 11-14
- [17] "The Coexistence of Magnetic Phases at the First-Order Phase Transition of a Metamagnet FeCl₂·2H₂O Studied by X-ray Diffraction"
Y. Narumi, K. Katsumata, T. Nakamura, Y. Tanaka, S. Shimomura, T. Ishikawa, M. Yabashi
Journal of Physics: Condensed Matter, **16**, (2004), L57-L63
- [18] "Synchrotron X-ray Diffraction Studies of the Incommensurate Phase of a Spin-Peierls System CuGeO₃ in Strong Magnetic Fields"
Y. Narumi, K. Katsumata, Y. Tabata, S. Kimura, Y. Tanaka, T. Nakamura, S. Shimomura, M. Matsuda, I. Harada, Y. Nishiyama, T. Ishikawa, H. Kitamura, T. Hara, T. Tanaka, K. Tamasaku, M. Yabashi, S. Goto, H. Ohashi, K. Takeshita, T. Ohata, T. Matsushita, T. Bizen
Journal of the Physical Society of Japan, **73**, (2004), 2650-2653
- [19] "Non-Resonant X-ray Bragg Diffraction by CeB₆"
Y. Tanaka, U. Staub, Y. Narumi, K. Katsumata, V. Scagnoli, S. Shimomura, Y. Tabata, Y. Onuki
Physica B, **345**, (2004), 78-81
- [20] "Direct and Quantitative Determination of the Orbital Ordering in CeB₆ by X-ray Diffraction"
Y. Tanaka, U. Staub, K. Katsumata, Stephen W. Lovesey, J. E. Lorenzo, Y. Narumi, V. Scagnoli, S. Shimomura, Y. Tabata, Y. Onuki, Y. Kuramoto, A. Kikkawa, T. Ishikawa, H. Kitamura
Europhysics Letters, **68**, (2004), 671-677
- [21] "Intensity Interferometry for the Study of X-Ray Coherence"
M. Yabashi, K. Tamasaku, T. Ishikawa
Physical Review A, **69**, (2004), 023813
- [22] "Analysis of the Mutual Coherence Function of X-Rays Using Dynamical Diffraction"
H. Yamazaki, T. Ishikawa
Journal of Applied Crystallography, **37**, (2004), 48-51

- [2005]
- [23] "Study of High-Field Magnetic Phases of the Low-Carrier-System CeP by Synchrotron Radiation X-ray Diffraction"
A. Hannan, D. Kawana, K. Kuwahara, M. Kohgi, Y. Narumi, Y. Tabata, S. Shimomura, Y. Tanaka, K. Katsumata
Journal of the Physical Society of Japan, **74**, (2005), 2301-2309
- [24] "Synchrotron X-ray Diffraction Studies of α -Gd₂S₃"
K. Katsumata, A. Kikkawa, Y. Tanaka, S. Shimomura, S. Ebisu, S. Nagata
Journal of the Physical Society of Japan, **74**, (2005), 1598-1601
- [25] "The Giant Magneto-Volume Effect in Solid Oxygen"
K. Katsumata, S. Kimura, U. Staub, Y. Narumi, Y. Tanaka, S. Shimomura, T. Nakamura, Stephen W. Lovesey, T. Ishikawa, H. Kitamura
Journal of Physics: Condensed Matter, **17**, (2005), L235-L239
- [26] "Charge Dynamics in Strongly Correlated One-Dimensional Cu-O Chain Systems Revealed by Inelastic X-ray Scattering"
S. Suga, S. Imada, A. Higashiya, A. Shigemoto, S. Kasai, M. Sing, H. Fujiwara, A. Sekiyama, A. Yamasaki, C. Kim, T. Nomura, J. Igarashi, M. Yabashi, T. Ishikawa
Physical Review B, **72**, (2005), 081101(R)
- [27] "On a Phase Problem of High-Resolution Fourier Transform X-ray Spectroscopy"
K. Tamasaku, M. Yabashi, T. Ishikawa
Journal of Synchrotron Radiation, **12**, (2005), 696-700
- [28] "Manipulating the Multipole Moments in CeB₆ by Magnetic Fields"
Y. Tanaka, K. Katsumata, S. Shimomura, Y. Onuki
Journal of the Physical Society of Japan, **74**, (2005), 2201-2204
- [2006]
- [29] "Acoustic Pulse Echoes Probed with Time-Resolved X-ray Triple-Crystal Diffractometry"
Y. Hayashi, Y. Tanaka, T. Kirimura, N. Tsukuda, E. Kuramoto, T. Ishikawa
Physical Review Letters, **96**, (2006), 115505

BL26B1

Refereed Journals

- [2003]
- [1] "Structural Insight into Modest Binding of a Non-PXXP Ligand to the Signal Transducing Adaptor Molecule-2 Src Homology 3 Domain"
T. Kaneko, T. Kumasaka, T. Ganbe, T. Sato, K. Miyazawa, N. Kitamura, N. Tanaka
The Journal of Biological Chemistry, **279**, (2003), 48162-48168
- [2] "Crystallization and Preliminary X-ray Crystallographic Studies of NADP-dependent 3-hydroxyisobutyrate Dehydrogenase from *Thermus thermophilus* HB8"
N. Lokanath, I. Shiromizu, Y. Nodake, M. Sugahara, S. Yokoyama, S. Kuramitsu, M. Miyano, N. Kunishima
Acta Crystallographica Section D, **59**, (2003), 2294-2296
- [2004]
- [3] "Crystallization and Preliminary X-ray Crystallographic Study of the Editing Domain of *Thermus thermophilus* Isoleucyl-tRNA Synthetase Complexed with Pre- and Post-Transfer Editing-Substrate Analogues"
R. Fukunaga, S. Yokoyama
Acta Crystallographica Section D, **60**, (2004), 1900-1902
- [4] "Crystallization and Preliminary X-ray Crystallographic Study of Leucyl-tRNA Synthetase from the Archaeon *Pyrococcus horikoshii*"
R. Fukunaga, S. Yokoyama
Acta Crystallographica Section D, **60**, (2004), 1916-1918
- [5] "Structural Basis of the Substrate-Specific Two-Step Catalysis of Long Chain Fatty Acyl-CoA Synthetase Dimer"
Y. Hisanaga, H. Ago, N. Nakagawa, K. Hamada, K. Ida, M. Yamamoto, T. Hori, Y. Arii, M. Sugahara, S. Kuramitsu, S. Yokoyama, M. Miyano
The Journal of Biological Chemistry, **279**, (2004), 31717-31726
- [6] "Crystallization and Preliminary Crystallographic Analysis of 2-keto-3-deoxygluconate Kinase from *Thermus thermophilus*"
E. Inagaki, Y. Ukita, M. Kumei, Y. Kajihara, T. Tahirov
Acta Crystallographica Section D, **60**, (2004), 761-763