

## BL43IR

## Refereed Papers

[2001]

- [1] "Front End and Optics of Infrared Beamline at SPring-8"  
S. Kimura, H. Kimura, T. Takahashi, K. Fukui, Y. Kondo, Y. Yoshimatsu, T. Moriwaki, T. Nanba, T. Ishikawa  
*Nuclear Instruments and Methods in Physics Research Section A*, **467-468**, (2001), 437-440
- [2] "Infrared Spectromicroscopy and Magneto-Optical Imaging Stations at SPring-8"  
S. Kimura, T. Nanba, T. Sada, M. Okuno, M. Matsunami, K. Shinoda, H. Kimura, T. Moriwaki, M. Yamagata, Y. Kondo, Y. Yoshimatsu, T. Takahashi, K. Fukui, T. Kawamoto, T. Ishikawa  
*Nuclear Instruments and Methods in Physics Research Section A*, **467-468**, (2001), 893-896
- [3] "Infrared Beamline BL43IR at SPring-8: Design and Commissioning"  
H. Kimura, T. Moriwaki, S. Takahashi, H. Aoyagi, T. Matsushita, Y. Ishizawa, M. Masaki, S. Oishi, H. Ohkuma, T. Namba, M. Sakurai, S. Kimura, H. Okamura, H. Nakagawa, T. Takahashi, K. Fukui, K. Shinoda, Y. Kondo, T. Sata, M. Okuno, M. Matsunami, R. Koyanagi, Y. Yoshimatsu, T. Ishikawa  
*Nuclear Instruments and Methods in Physics Research Section A*, **467-468**, (2001), 441-444
- [4] "Infrared Experiments under Laser Excitations at SPring-8"  
H. Okamura, K. Fukui, M. Matsunami, K. Terakami, M. Koyanagi, T. Koretsune, T. Moriwaki, H. Kimura, H. Nakagawa, Y. Kondo, T. Nanba  
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- [5] "Surface Science Station of the Infrared Beamline at SPring-8"  
M. Sakurai, T. Moriwaki, H. Kimura, S. Nishida, T. Nanba  
*Nuclear Instruments and Methods in Physics Research Section A*, **467-468**, (2001), 1481-1484

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- [6] "High-Pressure Phase Transition and Behavior of Protons in Brucite  $Mg(OH)_2$ : a High-Pressure-Temperature Study Using IR Synchrotron Radiation"  
K. Shinoda, M. Yamakata, T. Nanba, H. Kimura, T. Moriwaki, Y. Kondo, T. Kawamoto, N. Niimi, N. Miyoshi, N. Aikawa  
*Physics and Chemistry of Minerals*, **29**, (2002), 396-402

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- [7] "Mid Infrared Throughput with 5  $\mu$ m Aperture for  $H_2O$  Determination of an Andesitic Glass: Comparison of Synchrotron Radiation Source at SPring-8 with Conventional Light Sources"  
T. Kawamoto, H. Kagi, S. Yamashita, T. Handa, K. Matsukage, Y. Ikemoto, T. Moriwaki, H. Kimura  
*Geochemical Journal*, **37**, (2003), 253-259
- [8] "Infrared Spectroscopy under Extreme Conditions"  
S. Kimura, T. Nishi, T. Takahashi, T. Hirono, Y. Ikemoto, T. Moriwaki, H. Kimura  
*Physica B*, **329-333**, (2003), 1625-1626
- [9] "Comparison of the Photochemical Reaction of Photoactive Yellow Protein in Crystal with Reaction in Solution"  
E. Mano, H. Kamikubo, Y. Imamoto, M. Kataoka  
*Spectroscopy - An International Journal*, **17**, (2003), 345-353
- [10] "Direct Observation of the Pressure-Induced Semiconductor-to-Metal Transition in Yb Monochalcogenides"  
M. Matsunami, L. Chen, T. Nanba, A. Ochiai  
*Acta Physica Polonica B*, **34**, (2003), 1011-1014
- [11] "Polarized Infrared Absorption in  $CdI_2$ :  $CN^-$  Crystals"  
M. Terakami, H. Nakagawa, K. Fukui, H. Okumura, T. Hirono, Y. Ikemoto, T. Moriwaki, H. Kimura  
*Journal of the Physical Society of Japan*, **72**, (2003), 2128-2129

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- [12] "Infrared Microspectroscopy Station at BL43IR of SPring-8"  
Y. Ikemoto, T. Moriwaki, T. Hirono, S. Kimura, K. Shinoda, M. Matsunami, N. Nagai, T. Nanba, K. Kobayashi, H. Kimura  
*Infrared Physics and Technology*, **45**, (2004), 369-373
- [13] "Infrared Study of Spin Crossover Fe-Picolylamine Complex"  
H. Okamura, M. Matsubara, T. Tayagaki, K. Tanaka, Y. Ikemoto, H. Kimura, T. Moriwaki, T. Nanba  
*Journal of the Physical Society of Japan*, **73**, (2004), 1355-1361

- [14] "Imaging Phase Separation Near the Mott Boundary of the Correlated Organic Superconductors  $\kappa$ -(BEDT-TTF)<sub>2</sub>X"  
T. Sasaki, N. Yoneyama, N. Kobayashi, Y. Ikemoto, H. Kimura  
Physical Review Letters, **92**, (2004), 227001
- [15] "Modification of Vibrational Selection Rules in the Photo-Induced Spin-Crossover Phase"  
T. Tayagaki, K. Tanaka, H. Okamura  
Physical Review B, **69**, (2004), 064104
- [16] "Dichroic Infrared Absorption of Dipole Centers in Cadmium Halide Crystals"  
M. Terakami, H. Nakagawa, K. Fukui, H. Okamura, T. Hirono, Y. Ikemoto, T. Moriwaki, H. Kimura  
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- [17] "Polarized Infrared Absorption of Dipole Centers in Cadmium Halide and PbI<sub>2</sub> Crystals"  
M. Terakami, H. Nakagawa  
Journal of the Physical Society of Japan, **73**, (2004), 719-726  
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- [18] "Far-infrared Study on the Electronic States of CuIr<sub>2</sub>Se<sub>4</sub> under High Pressure"  
L. Chen, M. Matsunami, T. Nanba, Y. Ikemoto, T. Moriwaki, H. Kimura, T. Hirono  
Journal of the Physical Society of Japan, **74**, (2005), 1099-1102
- [19] "Infrared Spectroscopy on the Electronic State of Transition Metal Compounds under High Pressure"  
L. Chen, M. Matsunami, T. Nanba  
Physica B, **359-361**, (2005), 1186-1188
- [20] "Infrared Study on CeSb under High Pressures"  
S. Kimura, T. Nishi, Y. Mori, Y. Sumida, T. Takahashi, Y. Kwon, H. Im, H. Kitazawa  
Physica B, **359-361**, (2005), 190-192
- [21] "The Origin of the Phase Separation in Partially Deuterated  $\kappa$ -(ET)<sub>2</sub>Cu[N(CN)<sub>2</sub>]Br Studied by Infrared Magneto-Optical Imaging Spectroscopy"  
T. Nishi, S. Kimura, T. Takahashi, T. Ito, H. Im, Y. Kwon, K. Miyagawa, H. Taniguchi, A. Kawamoto, K. Kanoda  
Solid State Communications, **134**, (2005), 189-193
- [22] "Polarized Vibrational Absorption of Tunneling Molecular Centers in Cadmium Halide Crystals"  
M. Terakami, H. Nakagawa  
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## BL46XU

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- [1] "Measurement of Gas Bremsstrahlung at the SPring-8 Insertion Device Beamline using PWO Scintillator"  
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Nuclear Instruments and Methods in Physics Research Section A, **451**, (2000), 685-696

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- [2] "Ordered Charge Asphericity around Dysprosium and Structural Deformation in DyB<sub>2</sub>C<sub>2</sub>"  
H. Adachi, H. Kawata, M. Mizumaki, T. Akao, M. Sato, N. Ikeda, Y. Tanaka, H. Miwa  
Physical Review Letters, **89**, (2002), 206401
- [3] "Dielectric and Structure Properties of Charge Competing System YFe<sub>2</sub>O<sub>4</sub>"  
N. Ikeda, R. Mori, K. Kohn, M. Mizumaki, T. Akao  
Ferroelectrics, **272**, (2002), 309-314
- [4] "Angular Distribution of Au and Pb L X Rays Following Photoionization by Synchrotron Radiation"  
H. Yamaoka, M. Oura, K. Takahiro, N. Takeshima, K. Kawatsura, M. Mizumaki, U. Kleiman, N. M. Kabachnik, T. Mukoyama  
Physical Review A, **65**, (2002), 062713

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- [5] "Fundamental Properties of YAP Imager"  
A. Gorin, K. Kuroda, I. Manuilov, A. Riazantsev, T. Ishikawa, H. Kamikubo, M. Suzuki, H. Toyokawa  
Nuclear Instruments and Methods in Physics Research Section A, **510**, (2003), 76-82