

- [10] "Localized Dynamics in Network Glasses"
C. Halcoussis, E. Burkel, R. Nicula, G. Walter, Alfred Q. R. Baron
Physica Status Solidi C, **1**, (2004), 2871-2874
- [11] "Fast Sound in Expanded Fluid Hg Accompanying the Metal-Nonmetal Transition"
M. Inui, D. Ishikawa, K. Matsuda, G. Tamura, S. Tsutsui, A. Baron
Physical Review Letters, **93**, (2004), 097801
- [12] "Collective Dynamics in Dense Hg Vapour"
D. Ishikawa, M. Inui, K. Matsuda, K. Tamura, A. Q. R. Baron, S. Tsutsui, Y. Tanaka, T. Ishikawa
Journal of Physics: Condensed Matter, **16**, (2004), L40-L50
- [13] "Acoustic Phonon Dynamics in Liquid CCl_4 "
T. Kamiyama, S. Hosokawa, Alfred Q. R. Baron, S. Tsutsui, K. Yoshida, W. Pilgrim, Y. Kiyonagi, T. Yamaguchi
Journal of the Physical Society of Japan, **73**, (2004), 1615-1618
- [14] "Search for Orbitons in LaMnO_3 , YTiO_3 and KCuF_3 using High-Resolution Inelastic X-ray Scattering"
Y. Tanaka, A. Q. R. Baron, Y. Kim, K. J. Thomas, J. P. Hill, Z. Honda, F. Iga, S. Tsutsui, D. Ishikawa, C. S. Nelson
New Journal of Physics, **6**, (2004), 161
- [15] "Softening of Cu-O Bond Stretching Phonons in Tetragonal $\text{HgBa}_2\text{CuO}_{4+\delta}$ "
H. Uchiyama, A. Baron, S. Tsutsui, Y. Tanaka, W.-Z. Hu, A. Yamamoto, S. Tajima, Y. Endoh
Physical Review Letters, **92**, (2004), 197005
- [2005]
- [16] "Doping Dependence of Softening in the Bond-Stretching Phonon Mode of $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ ($0 < x < 0.29$)"
T. Fukuda, J. Mizuki, K. Ikeuchi, K. Yamada, A. Baron, S. Tsutsui
Physical Review B, **71**, (2005), 060501
- [17] "Hard-Sphere-Like Dynamics in a Non-Hard-Sphere Liquid"
T. Scopigno, R. Di Leonardo, L. Comez, A. Baron, D. Fioretto, G. Ruocco
Physical Review Letters, **94**, (2005), 155301

BL37XU

Refereed Papers

- [2003]
- [1] "Development of a New Holographic Method with Resonant X-ray Scattering"
Y. Takahashi, K. Hayashi, E. Matsubara
Science and Technology of Advanced Materials, **4**, (2003), 409-414
- [2004]
- [2] "Quadrupole Transition in the Dy L_3 Edge Observed by Lifetime-Broadening-Suppressed XANES Spectroscopy"
H. Hayashi, R. Takeda, M. Kawata, Y. Udagawa, N. Kawamura, Y. Watanabe, S. Nanao
Physical Review B, **70**, (2004), 155113
- [3] "X-ray Fluorescence Holography Study on $\text{Si}_{1-x}\text{Ge}_x$ Single Crystal"
K. Hayashi, Y. Takahashi, I. Yonenaga, E. Matsubara
Materials Transactions, **45**, (2004), 1994-1997
- [4] "Properties of Individual Asian Dust Storm Particles Collected at Kosan, Korea during Ace-Asia"
C. Ma, S. Tohno, M. Kasahara, S. Hayakawa
Atmospheric Environment, **38**, (2004), 1133-1143
- [5] "Determination of the Chemical Properties of Residues Retained in Individual Cloud Droplets by XRF Microprobe at SPring-8"
C. Ma, S. Tohno, M. Kasahara, S. Hayakawa
Nuclear Instruments and Methods in Physics Research Section B, **217**, (2004), 657-665
- [6] "The Nature of Individual Solid Particles Retained in Size-Resolved Raindrops Fallen in Asian Dust Storm Event during ACE-Asia"
C. Ma, S. Tohno, M. Kasahara, S. Hayakawa
Atmospheric Environment, **38**, (2004), 2951-2964

- [7] "Properties of the Size-Resolved and Individual Cloud Droplets Collected in the Western Japan during Asian Dust Storm Event"
C. Ma, S. Tohno, M. Kasahara, S. Hayakawa
Atmospheric Environment, **38**, (2004), 4519-4529
- [8] "Surface X-ray Diffraction in Transmission Geometry"
H. Tajiri, O. Sakata, T. Takahashi
Applied Surface Science, **234**, (2004), 403-408
- [9] "Development and Application of Laboratory X-ray Fluorescence Holography Equipment"
Y. Takahashi, K. Hayashi, E. Matsubara
Powder Diffraction, **19**, (2004), 77-80
- [10] "Distribution of Chemical Elements and Chemical States of Sulfur on Kosa Particles Fallen in Asian Industrialized Cities"
T. Tanabe, Y. Tanaka, D. Tanaka, Y. Taniguchi, M. Toyoda, J. Kawai, H. Ishii, C. Riu, Y. Yilixiati, S. Hayakawa, Y. Kitajima, Y. Terada
分析化学 (Bunseki Kagaku), **53**, (2004), 1411-1418
- [11] "X-ray Analysis of a Single Aerosol Particle with Combination of Scanning Electron Microscope and Synchrotron Radiation X-ray Microscope"
M. Toyoda, K. Kaibuchi, M. Nagasono, Y. Terada, T. Tanabe, S. Hayakawa, J. Kawai
Spectrochimica Acta Part B, **59**, (2004), 1311-1315
- [2005]
- [12] "Three-Dimensional Atomic Image around Mn Atoms in Diluted Magnetic Semiconductor $Zn_{0.4}Mn_{0.6}Te$ Obtained by X-Ray Fluorescence Holography"
S. Hosokawa, N. Happo, K. Hayashi, Y. Takahashi, T. Ozaki, K. Horii, E. Matsubara
Japanese Journal of Applied Physics, **44**, (2005), 1011-1012
- [13] "Elemental Identification of a Three-Dimensional Environment by Complex X-ray Holography"
Y. Takahashi, K. Hayashi, E. Matsubara
Physical Review B, **71**, (2005), 134107

BL38B1

Refereed Papers

- [2001]
- [1] "Chemical Analysis for Fe in $LiCoO_2$ by XAFS Analysis"
H. Ohzono, M. Kouno, H. Miyake, H. Ohyama
Analytical Sciences, **17.Supplement**, (2001), i135-i137
- [2002]
- [2] "Relationship between the Li Ionic Conduction and the Local Structures in B-Site Substituted Perovskite Compounds, $(Li_{0.1}La_{0.3})_{1+x}M_xNb_{1-x}O_3$ (M=Zr, Ti; x=0, 0.05)"
M. Nakayama, H. Ikuta, Y. Uchimoto, M. Wakihara, Y. Terada
Applied Physics Letters, **81**, (2002), 2977-2979
- [3] "Local Structure around Mn in Ferromagnetic GaMnN Film Studied by X-Ray Absorption Fine Structure"
M. Sato, H. Tanida, K. Kato, T. Sasaki, Y. Yamamoto, S. Sonoda, S. Shimizu, H. Hori
Japanese Journal of Applied Physics, **41**, (2002), 4513-4514
- [4] "Crystal Structure of the RuvA-RuvB Complex: A Structural Basis for the Holliday Junction Migrating Motor Machinery"
K. Yamada, T. Miyata, D. Tsuchiya, T. Oyama, Y. Fujiwara, T. Ohnishi, H. Iwasaki, H. Shinagawa, M. Ariyoshi, K. Mayanagi, K. Morikawa
Molecular Cell, **10**, (2002), 671-681
- [2003]
- [5] "YAP Imager and Its Application with High-Energy X-Ray Beams up to 150 keV"
K. Hirota, H. Toyokawa, M. Suzuki, T. Kubo, M. Nomachi, Y. Sugaya, M. Yosoi, A. Gorin, I. Manuilov, A. Riazantsev, K. Kuroda
Nuclear Instruments and Methods in Physics Research Section A, **510**, (2003), 83-91