

- [73] "Polarization Dependence of Soft X-ray Emission Spectroscopy : Basic Study and Its Application to Solid State Physics"
Y. Harada
放射光 (Journal of the Japanese Society for Synchrotron Radiation Research), **18**, (2005), 101-103
- [74] "Angular Distribution of Different Vibrational Components of the X- and B-States Reached after Resonant Auger Decay of Core-Excited H₂O: Experiment and Theory"
I. Hjelte, A. De Fanis, V. Carravetta, N. Saito, M. Kitajima, H. Tanaka, H. Yoshida, A. Hiraya, I. Koyano, L. Karlsson, S. Svensson, K. Ueda, M. Piancastelli
The Journal of Chemical Physics, **122**, (2005), 084307
- [75] "Study of Auger Decay Process Following Multielectron Excitation Accompanying F 1s Photoionization of CF₄"
M. Machida, Y. Tamenori, M. Oura, T. Mukoyama
Journal of Electron Spectroscopy and Related Phenomena, **144-147**, (2005), 219-222
- [76] "Variation in Resonant Auger Yields into the ¹G₄ · *nl* States of Kr across the L₃ Threshold"
K. Okada, S. Nagaoka, M. Kosugi, A. Fujii, T. Ibuki, Y. Tamenori, H. Ohashi, Isao H. Suzuki, S. Samori, K. Ohno
Journal of Physics B: Atomic, Molecular and Optical Physics, **38**, (2005), 421-431
- [77] "Manifestation of Auger Resonant Raman Effect on Double-Spectator Type Auger Transitions in the Ne[1s2p](³P)3p² ¹P Resonant Double Excitation Region"
M. Oura, Y. Tamenori, T. Hayaishi, M. Matida, F. Koike
Journal of the Physical Society of Japan, **74**, (2005), 1154-1159
- [78] "Resonant Auger Decay of Above-Threshold Core-Excited H₂O"
M. Piancastelli, R. Sankari, S. Sorensen, A. De Fanis, H. Yoshida, M. Kitajima, H. Tanaka, K. Ueda
Physical Review A, **71**, (2005), 010703
- [79] "Electronic Structure Characteristics of MBE (Molecular Beam Epitaxy)-Grown Diluted Magnetic Semiconductor Ga_{1-x}Cr_xN Films"
T. Takeuchi, M. Taguchi, Y. Harada, T. Tokushima, Y. Takata, A. Chainani, J. Kim, H. Makino, T. Yao, T. Tsukamoto, S. Shin, K. Kobayashi
Japanese Journal of Applied Physics, **44**, (2005), L153-L155
- [80] "Soft X-ray Spectroscopy of Diluted Magnetic Semiconductor Ga_{1-x}M_xN (M=Cr, Mn)"
T. Takeuchi, Y. Harada, T. Tokushima, Y. Takata, A. Chainani, J. Kim, P. Chen, H. Makino, T. Hanada, T. Yao, T. Yamamoto, T. Tsukamoto, K. Kobayashi, S. Shin
Journal of Electron Spectroscopy and Related Phenomena, **144-147**, (2005), 707-710
- [81] "Inner-Shell Excitation of Ethanol Cluster at O K-edge"
Y. Tamenori, K. Honma, T. Gejo, T. Yamaguchi, K. Okada, K. Tabayashi
Journal of Electron Spectroscopy and Related Phenomena, **144-147**, (2005), 235-238

BL28B2

Refereed Papers

[2000]

- [1] "X-ray Scattering Topographic Observation for ZnSe and ZnTe Bulk Crystals"
M. Shinbara, Y. Suzuki, Y. Chikaura, H. Kii
Journal of Crystal Growth, **210**, (2000), 187-192

[2001]

- [2] "Construction of Topography Stations at SPring-8 and First Observations"
Y. Chikaura, S. Iida, S. Kawado, K. Mizuno, S. Kimura, J. Matsui, M. Umeno, T. Ozaki, T. Shimura, Y. Suzuki, K. Izumi, K. Kawasaki, K. Kajiwara, T. Ishikawa
Journal of Physics D: Applied Physics, **34**, (2001), A158-A162

[2002]

- [3] "放射光 X 線回折法による極薄膜 SOI(Silicon on Insulator)ウエーハの構造評価に関する研究"
K. Fukuda
Doctor Thesis (Osaka University), (2002)

- [4] "Growth and Evaluation of High Quality SiC Crystal by Sublimation Method"
N. Oyanagi, H. Yamaguchi, T. Kato, S. Nishizawa, K. Arai
Materials Science Forum, **389-393**, (2002), 87-90
[2003]
- [5] "Formation of High Energy White Microbeam and Its Application to Spectro-Scattering Topography"
Y. Chikaura, Y. Suzuki, K. Kajiwara, K. Morita, K. Mizuno, S. Iida, S. Kawado
Nuclear Instruments and Methods in Physics Research Section B, **199**, (2003), 67-70
- [6] "Static and Dynamic Structures of Expanded Fluid Mercury"
M. Inui, K. Tamura
Zeitschrift Physikalische Chemie, **217**, (2003), 1045-1063
- [7] "Development of Spectro-Scattering Topography by Using High-Energy Synchrotron Radiation and Its Application to Materials Evaluation"
K. Kajiwara
Doctor Thesis (Kyushu Institute of Technology), (2003)
- [8] "Analysis of Dynamic Recrystallization Behavior in Al-single Crystals by Synchrotron Radiation Laue Technique"
Y. Miura, K. Ihara
日本金属学会誌 (Journal of Japan Institute of Metals), **67**, (2003), 209-217
- [9] "Spontaneous Dispersion of PdO onto Acid Sites of Zeolites Studied by in situ DXAFS"
K. Okumura, T. Kusakabe, S. Yokota, K. Kato, H. Tanida, T. Uruga, M. Niwa
Chemistry Letters, **32**, (2003), 636-637
- [10] "Low Temperature Laue Topography of Strontium Titanate at SPring-8"
T. Ozaki, I. Fujimoto, K. Mizuno, S. Iida, K. Kajiwara, T. Taira, J. Yoshimura, T. Shimura, Y. Chikaura
Nuclear Instruments and Methods in Physics Research Section B, **199**, (2003), 81-84
- [11] "High Resolution X-Ray Laue Topography of Thick Quartz Crystals at SPring-8"
C. Suzuki, Armando H. Shinohara, Carlos Q. Hiramatsu, J. Yoshimura, Jamesa B. Reid, K. Kajiwara, Y. Chikaura
Nuclear Instruments and Methods in Physics Research Section B, **199**, (2003), 85-89
- [12] "Identification of Dislocations in Large Tetragonal Hen Egg-White Lysozyme Crystals by Synchrotron White-Beam Topography"
M. Tachibana, H. Koizumi, K. Izumi, K. Kajiwara, K. Kojima
Journal of Synchrotron Radiation, **10**, (2003), 416-420
- [13] "Synchrotron Radiation Microimaging for Observation of Tumor-Derived Small Blood Vessels"
K. Umetani
映像情報メディア学会誌 (The Journal of the Institute of Image Information and Television Engineers), **57**, (2003), 1690-1696
[2004]
- [14] "Determination of the Three-Dimensional Structure of Dislocations in Silicon by Synchrotron White X-ray Topography Combined with a Topo-Tomographic Technique"
S. Kawado, T. Taishi, S. Iida, Y. Suzuki, Y. Chikaura, K. Kajiwara
Journal of Synchrotron Radiation, **11**, (2004), 304-308
- [15] "High-Quality Crystallization of Lysozyme by Magneto-Archimedes Levitation in a Superconducting Magnet"
S. Maki, Y. Oda, M. Ataka
Journal of Crystal Growth, **261**, (2004), 557-565
- [16] "Molybdenum Cell for X-Ray Diffraction Measurements of Fluid Alkali Metals at High Temperatures and High Pressures"
K. Matsuda, K. Tamura, M. Katoh, M. Inui
Review of Scientific Instruments, **75**, (2004), 709-712
- [17] "Orientation Dependence of Dynamic Recrystallization Behavior of Al Single Crystals"
Y. Miura, K. Ihara
Materials Science Forum, **449-452**, (2004), 31-36
- [18] "Energy-Dispersive XAFS Studies on the Spontaneous Dispersion of PdO and the Formation of Stable Pd Clusters in Zeolites"
K. Okumura, R. Yoshimoto, T. Uruga, H. Tanida, K. Kato, S. Yokota, M. Niwa
The Journal of Physical Chemistry B, **108** (2004) 6250-6255

- [19] "Structural Studies of Expanded Fluid Metals Using Synchrotron Radiation"
K. Tamura, M. Inui, K. Matsuda, D. Ishikawa
Transactions of the Materials Research Society of Japan, **29**, (2004), 83-88
- [20] "Synchrotron Radiation Microangiography for Observation of Vasodilatation using X-ray SATICON"
K. Umetani, K. Fukushima, K. Sugimura
映像情報メディア学会誌 (The Journal of the Institute of Image Information and Television Engineers), **58**, (2004), 344-351
- [2005]
- [21] "Three-Dimensional Structure of Dislocations in Silicon Determined by Synchrotron White X-ray Topography Combined with a Topo-Tomographic Technique"
S. Kawado, T. Taishi, S. Iida, Y. Suzuki, Y. Chikaura, K. Kajiwara
Journal of Physics D: Applied Physics, **38**, (2005), A17-A22
- [22] "Catalytic Performance and Elution of Pd in the Heck Reaction over Zeolite-Supported Pd Cluster Catalyst"
K. Okumura, K. Nota, K. Yoshida, M. Niwa
Journal of Catalysis, **231**, (2005), 245-253

BL35XU

Refereed Papers

- [2000]
- [1] "An X-Ray Scattering Beamline for Studying Dynamics"
A. Q. R. Baron, Y. Tanaka, S. Goto, K. Takeshita, T. Matsushita, T. Ishikawa
Journal of Physics and Chemistry of Solids, **61**, (2000), 461-465
- [2001]
- [2] "Early Commissioning of the SPring-8 Beamline for High Resolution Inelastic X-Ray Scattering"
A. Q. R. Baron, Y. Tanaka, D. Miwa, D. Ishikawa, T. Mochizuki, K. Takeshita, S. Goto, T. Matsushita, H. Kimura, F. Yamamoto, T. Ishikawa
Nuclear Instruments and Methods in Physics Research Section A, **467-468**, (2001), 627-630
- [3] "A Compact Optical Design for Bragg Reflections Near Backscattering"
Alfred Q. R. Baron, Y. Tanaka, D. Ishikawa, D. Miwa, M. Yabashi, T. Ishikawa
Journal of Synchrotron Radiation, **8**, (2001), 1127-1130
- [2003]
- [4] "Sub-Picosecond Dynamics in Liquid Si"
S. Hosokawa, W-C. Pilgrim, Y. Kawakita, S. Takeda, D. Ishikawa, S. Tsutsui, Y. Tanaka, A. Q. R. Baron
Journal of Physics: Condensed Matter, **15**, (2003), L623-L629
- [5] "Static and Dynamic Structures of Expanded Fluid Mercury"
M. Inui, K. Tamura
Zeitschrift Physikalische Chemie, **217**, (2003), 1045-1063
- [6] "Coherent Dynamic Scattering Law of Divalent Liquid Mg"
Y. Kawakita, S. Hosokawa, T. Enosaki, K. Ohshima, S. Takeda, W. Pilgrim, S. Tsutsui, Y. Tanaka, Alfred Q. R. Baron
Journal of the Physical Society of Japan, **72**, (2003), 1603-1606
- [7] "High Frequency Dynamics of a Monatomic Glass"
T. Scopigno, R. Di Leonardo, G. Ruocco, Alfred Q. R. Baron, S. Tsutsui, F. Bossard, S. N. Yannopoulos
Physical Review Letters, **92**, (2003), 025503
- [8] "Self-Diffusion of Sn Atoms in Cu₃Sn Probed by Quasielastic Nuclear Resonant Scattering of Synchrotron Radiation"
H. Thiess, A. Baron, D. Ishikawa, T. Ishikawa, D. Miwa, B. Sepiol, S. Tsutsui
Physical Review B, **67**, (2003), 184302
- [2004]
- [9] "Kohn Anomaly in MgB₂ by Inelastic X-ray Scattering"
A. Baron, H. Uchiyama, Y. Tanaka, S. Tsutsui, D. Ishikawa, S. Lee, R. Heid, K.-P. Bohnen, S. Tajima, T. Ishikawa
Physical Review Letters, **92**, (2004), 197004