

- [50] "Self-Regeneration of Palladium-Perovskite Catalysts in Modern Automobiles"  
Y. Nishihata, J. Mizuki, H. Tanaka, M. Uenishi, M. Kimura  
Journal of Physics and Chemistry of Solids, **66**, (2005), 274-282
- [51] "Structural Kinetics Studies on Phase Transitions of the Bi UPD Layer between the (2 x 2) and ( $\sqrt{3} \times \sqrt{3}$ ) Structures Using Surface X-ray Diffraction"  
K. Tamura, J. Mizuki  
The Journal of Physical Chemistry B, **109**, (2005), 12832-12836
- [52] "Pressure-Temperature-Time-Transition Diagram in a Strong Metallic Supercooled Liquid"  
W. Wang, W. Utsumi, X. -L. Wang  
Europhysics Letters, **71**, (2005), 611-617  
[2006]
- [53] "LaFePdO<sub>3</sub> Perovskite Automotive Catalyst Having a Self-Regenerative Function"  
H. Tanaka, I. Tan, M. Uenishi, M. Taniguchi, M. Kimura, Y. Nishihata, J. Mizuki  
Journal of Alloys and Compounds, **408-412**, (2006), 1071-1077

## BL15XU

## Refereed Journals

- [1] [2001]  
"Revolver Undulator for BL15XU at SPring-8"  
T. Hara, T. Tanaka, T. Seike, T. Bizen, X. Marechal, A. Nisawa, S. Fukushima, H. Yoshikawa, H. Kitamura  
Nuclear Instruments and Methods in Physics Research Section A, **467-468**, (2001), 161-164
- [2] "X-Ray Photoelectron Spectroscopy Studies of La-Doped Bi<sub>2</sub>Sr<sub>2</sub>CaCu<sub>2</sub>O<sub>y</sub> Single Crystals"  
Y. Yamauchi, S. Kishida, M. Kimura, H. Yoshikawa, S. Fukushima, H. Tokutaka  
Physica C, **357-360**, (2001), 410-413
- [3] [2002]  
"Synchrotron X-Ray and TOF Neutron Powder Diffraction Study of a Lyonsite-Type Oxide Co<sub>3.6</sub>Fe<sub>3.6</sub>(VO<sub>4</sub>)<sub>6</sub>"  
Alexei A. Belik, F. Izumi, T. Ikeda, A. Nisawa, T. Kamiyama, K. Oikawa  
Solid State Sciences, **4**, (2002), 515-522
- [4] "The Observation of the Cascade Auger Process by Threshold Excitation"  
S. Fukushima, H. Yoshikawa, M. Kimura, A. Tanaka, A. Vlaicu, Y. Kita, K. Watanabe, A. Nisawa, N. Yagi, M. Okui, M. Taguchi, R. Oiwa  
Proceedings of International Seminar on Photoionization in Atom, , (2002), 96-101
- [5] "A Trial Fitting on K $\alpha_{1,2}$  Emission Spectra in Transition Elements"  
Y. Ito, T. Tochio, N. Shigeoka, H. OoHashi, A. M. Vlaicu, T. Kaneyoshi, M. Motoyama, T. Shoji, S. Fukushima  
Proceedings of International Seminar on Photoionization in Atom, , (2002), 66-73
- [6] "Phase Control of Bi<sub>2</sub>Sr<sub>2</sub>Ca<sub>n-1</sub>Cu<sub>n</sub>O<sub>y</sub> Superconducting Sputtered Films Using He Gas"  
K. Matsumoto, M. Ogura, K. Katsurahara, S. Kishida, T. Mizutani, H. Yoshikawa, S. Fukushima, H. Tokutaka  
Physica C, **378-381**, (2002), 1256-1259
- [7] "Phase Control of Bi<sub>2</sub>Sr<sub>2</sub>Ca<sub>n-1</sub>Cu<sub>n</sub>O<sub>y</sub> Sputtered Films Using He Gas"  
K. Matsumoto, M. Ogura, K. Katsurahara, S. Kishida, T. Mizutani, H. Yoshikawa, S. Fukushima, H. Tokutaka  
真空 (Journal of the Vacuum Society of Japan), **45**, (2002), 179-182
- [8] "Contribution of Indirect Ionization of Au L $\alpha_2$  Satellites"  
H. OoHashi, N. Shigeoka, T. Tochio, Y. Ito, A. M. Vlaicu, A. Nisawa, H. Yoshikawa, S. Fukushima, M. Watanabe  
Proceedings of International Seminar on Photoionization in Atom, , (2002), 85-88
- [9] "The Behavior of Fe K $\alpha$  Satellites around the Threshold"  
N. Shigeoka, H. OoHashi, Y. Ito, T. Tochio, A. M. Vlaicu, S. Nisawa, H. Yoshikawa, S. Fukushima, M. Watanabe  
Proceedings of International Seminar on Photoionization in Atom, , (2002), 80-84
- [10] "Growth and Characterization of Bi-Based Superconducting Whiskers"  
H. Uemoto, S. Kishida, S. Kim, T. Yamashita, H. Yoshikawa, S. Fukushima, N. Ikeda  
Singapore Journal of Physics, **18**, (2002), 255-259
- [11] "Photo-Excitation of Multi-Electron Transitions in Heavy Elements by Synchrotron Radiation"  
A. M. Vlaicu, Y. Ito, N. Shigeoka, H. OoHashi, S. Fukushima, H. Yoshikawa, A. Nisawa  
Proceedings of International Seminar on Photoionization in Atom, , (2002), 62-65

- [12] "The Development of The Angle Resolved XPS Equipment at SPring-8 BL15XU"  
H. Yoshikawa, Y. Kita, K. Watanabe, A. Tanaka, M. Kimura, A. Nisawa, A. Vlaicu, M. Kitamura, N. Yagi, M. Okui, M. Taguchi, R. Oiwa, S. Fukushima  
*Journal of Surface Analysis*, **9**, (2002), 374-377  
[2003]
- [13] "Performance of YB<sub>66</sub> Double-Crystal Monochromator for Dispersing Synchrotron Radiation at SPring-8"  
M. Kitamura, H. Yoshikawa, T. Mochizuki, A. Vlaicu, A. Nisawa, N. Yagi, M. Okui, M. Kimura, T. Tanaka, S. Fukushima  
*Nuclear Instruments and Methods in Physics Research Section A*, **497**, (2003), 550-562
- [14] "Spatial Harmonic Rejection in a Large Offset Rotated-Inclined Double Crystal Monochromator at BL15XU in SPring-8"  
A. Nisawa, M. Okui, N. Yagi, T. Mizutani, H. Yoshikawa, S. Fukushima  
*Nuclear Instruments and Methods in Physics Research Section A*, **497**, (2003), 563-568  
[2004]
- [15] "Experimental Investigation of the Origin of the Ti K<sub>α</sub>" Satellites"  
Y. Ito, N. Shigeoka, H. Oohashi, T. Tochio, T. Mukoyama, A. Vlaicu, S. Fukushima  
*Physical Review A*, **69**, (2004), 052505
- [16] "Threshold Excitation in Fe K<sub>α</sub><sub>3,4</sub> Satellites"  
Y. Ito, N. Shigeoka, H. Oohashi, T. Mukoyama, A. Vlaicu, S. Fukushima  
*Journal of Physics B: Atomic, Molecular and Optical Physics*, **37**, (2004), 2303-2310
- [17] "Monte-Carlo Simulation of Secondary Electron Emission by X-ray Irradiation — an Application of X-ray Absorption Near-Edge Structure (XANES)"  
T. Iyasu, K. Tamura, R. Shimizu, Z. Zhang, T. Toshikawa, H. Yoshikawa, S. Fukushima  
*Surface and Interface Analysis*, **36**, (2004), 1413-1416
- [18] "Application of X-ray Photoemission Electron Microscopy Developed at SPring-8 BL15XU"  
H. Yasufuku, H. Yoshikawa, M. Kimura, K. Ito, K. Tani, S. Fukushima  
*Surface and Interface Analysis*, **36**, (2004), 892-895  
[2005]
- [19] "Site-Specific Valence-Band X-ray Photoelectron Spectra of a SrTiO<sub>3</sub> Single-Crystal by X-ray Standing Wave Technique"  
T. Fujii, H. Yoshikawa, M. Kimura, S. Fukushima  
*Solid State Communications*, **136**, (2005), 375-379
- [20] "X-ray Absorption Fine Structure Combined with X-ray Fluorescence Spectrometry. Part 15. Monitoring of Vanadium Site Transformations on Titania and in Mesoporous Titania by Selective Detection of the Vanadium K<sub>α</sub><sub>1</sub> Fluorescence"  
Y. Izumi, F. Kiyotaki, N. Yagi, A. Vlaicu, A. Nisawa, S. Fukushima, H. Yoshitake, Y. Iwasawa  
*The Journal of Physical Chemistry B*, **109**, (2005), 14884-14891  
[2006]
- [21] "Understanding of Working Mechanism of Iron-based Materials for the Arsenic Removal and Surface Environmental Catalysts by Selective Spectroscopy"  
D. Masih  
Doctor Thesis (Tokyo Institute of Technology), , (2006), 1-176

## BL16XU

## Refereed Journals

[2000]

- [1] "Wavelength-Dispersive Total Reflection X-Ray Fluorescence with High-Brilliance Undulator Radiation at SPring-8"  
N. Awaji, S. Ozaki, J. Nishino, S. Noguchi, T. Yamamoto, T. Shoji, M. Yamagami, A. Kobayashi, Y. Hirai, M. Shibata, K. Yamaguchi, K. Liu, S. Kawado, M. Takahashi, S. Yasuami, I. Konomi, S. Kimura, Y. Hirai, M. Hasegawa, S. Komiya, T. Hirose, T. Okajima  
*Japanese Journal of Applied Physics*, **39**, (2000), L1252-L1255  
[2001]
- [2] "Microscopic Observation of Cu Damascene Interconnect Grains Using X-Ray Microbeam"  
M. Hasegawa, Y. Hirai  
*Journal of Applied Physics*, **90**, (2001), 2792-2795