

[2003]

- [4] "Influence of Dissolved Hydrogen on Structure of Oxide Film on Alloy 600 Formed in Primary Water of Pressurized Water Reactors"  
T. Terachi, N. Totsuka, T. Yamada, T. Nakagawa, H. Deguchi, M. Horiuchi  
Journal of Nuclear Science and Technology, **40**, (2003), 509-516
- [5] "Capturing Characteristic of Gaseous Mercury in Desulfurization Solutions Simulating the Limestone-Gypsum Process"  
H. Akiho, M. Nunokawa, H. Shirai  
日本エネルギー学会誌 (Journal of the Japan Institute of Energy), **83**, (2004), 924-931
- [6] "Wavelength Dispersive Grazing Incidence X-ray Fluorescence of Multilayer Thin Films"  
N. Awaji  
Spectrochimica Acta part B, **59**, (2004), 1133-1139
- [7] "The Design and Performance of Beamline BL16XU at SPring-8"  
Y. Hirai, S. Yasuami, A. Kobayashi, Y. Hirai, J. Nishino, M. Shibata, K. Yamaguchi, K. Liu, S. Kawado, T. Yamamoto, S. Noguchi, M. Takahashi, I. Konomi, S. Kimura, M. Hasegawa, N. Awaji, S. Komiya, T. Hirose, S. Ozaki, T. Okajima, T. Ishikawa, H. Kitamura  
Nuclear Instruments and Methods in Physics Research Section A, **521**, (2004), 538-548
- [8] "Submicron-Resolved X-ray Topography using Asymmetric-Reflection Magnifiers"  
R. Tanuma, M. Ohsawa  
Spectrochimica Acta Part B, **59**, (2004), 1549-1555

[2005]

- [9] "In situ X-ray Diffraction Study of Crystallization Process of GeSbTe Thin Films during Heat Treatment"  
N. Kato, I. Konomi, Y. Seno, T. Motohiro  
Applied Surface Science, **244**, (2005), 281-284
- [10] "Study on Fabrication Process of GaAs Electronic Devices"  
Y. Saito  
Doctor Thesis (The University of Tokyo), (2005), 1-140

## BL16B2

### Refereed Papers

[2001]

- [1] "X-Ray Absorption Spectral Analyses by Theoretical Calculations for TiO<sub>2</sub> and Ni-Doped TiO<sub>2</sub> Thin Films on Glass Plates"  
S. Matsuo, N. Sakaguchi, E. Obuchi, K. Nakano, Rupert C. C. Perera, T. Watanabe, T. Matsuo, H. Wakita  
Analytical Sciences, **17**, (2001), 149-153
- [2] "Correlation between Local Structure and Chemical Behaviors of Some Transition Metal Compounds as Studied by X-Ray Absorption Spectroscopy"  
S. Matsuo  
Doctor Thesis (Fukuoka University), (2001)
- [3] "Local Structure Analysis of Ga<sub>1-x</sub>In<sub>x</sub>N Alloy Using Extended X-Ray Absorption Fine Structure Measurements"  
T. Miyajima, Y. Kudo, K. -Y. Liu, T. Uruga, T. Asatsuma, T. Hino, T. Kobayashi  
Physica Status Solidi B, **228**, (2001), 45-48
- [4] "Local Structure Analyses of Ce<sub>0.5</sub>Zr<sub>0.5</sub>O<sub>2</sub> Mixed Oxides by XAFS"  
Y. Nagai, T. Yamamoto, T. Tanaka, S. Yoshida, T. Nonaka, T. Okamoto, A. Suda, M. Sugiura  
Journal of Synchrotron Radiation, **8**, (2001), 616-618
- [5] "*In situ* XAFS Study on Cathode Materials for Lithium-Ion Batteries"  
T. Nonaka, C. Okuda, Y. Ukyo, T. Okamoto  
Journal of Synchrotron Radiation, **8**, (2001), 869-871
- [6] "Chemical Analysis for Fe in LiCoO<sub>2</sub> by XAFS Analysis"  
H. Ohzono, M. Kouno, H. Miyake, H. Ohyama  
Analytical Sciences, **17**Supplement, (2001), i135-i137

- [7] "Reaction Mechanism of the Olivine-Type  $\text{Li}_x(\text{Mn}_{0.6}\text{Fe}_{0.4})\text{PO}_4$  (0\_x\_1)"  
 A. Yamada, Y. Kudo, K. Liu  
*Journal of the Electrochemical Society*, **148**, (2001), A747-A754
- [8] "Phase Diagram of  $\text{Li}_x(\text{Mn}_y\text{Fe}_{1-y})\text{PO}_4$  (0\_x, y\_1)"  
 A. Yamada, Y. Kudo, K. Liu  
*Journal of the Electrochemical Society*, **148**, (2001), A1153-A1158
- [9] "Investigation of the Relationship between the Ionic Conductivity and the Local Structures of Singly and Doubly Doped Ceria Compounds Using EXAFS Measurement"  
 H. Yoshida, H. Deguchi, K. Miura, M. Horiuchi, T. Inagaki  
*Solid State Ionics*, **140**, (2001), 191-199  
 [2002]
- [10] "Structural Changes of Manganese Spinel at Elevated Temperatures"  
 G. Li, Y. Iijima, Y. Kudo, H. Azuma  
*Solid State Ionics*, **146**, (2002), 55-63
- [11] "X-Ray Absorption Study of  $\text{Li}_x\text{Mn}_y\text{Fe}_{1-y}\text{PO}_4$  (0<x<1,0<y<1)"  
 G. Li, Y. Kudo, K. Liu, H. Azuma, M. Tohda  
*Journal of the Electrochemical Society*, **149**, (2002), A1414-A1418
- [12] "X-Ray Absorption Fine Structure Analysis of Local Structure of  $\text{CeO}_2\text{-ZrO}_2$  Mixed Oxides with the Same Composition Ratio (Ce/Zr=1)"  
 Y. Nagai, T. Yamamoto, T. Tanaka, S. Yoshida, T. Nonaka, T. Okamoto, A. Suda, M. Sugiura  
*Catalysis Today*, **74**, (2002), 225-234  
 [2003]
- [13] "Multifunctional Alloys Obtained via a Dislocation-Free Plastic Deformation Mechanism"  
 T. Saito, T. Furuta, J. Hwang, S. Kuramoto, K. Nishino, N. Suzuki, R. Chen, A. Yamada, K. Ito, Y. Seno, T. Nonaka, H. Ikehata, N. Nagasako, C. Iwamoto, Y. Ikuhara, T. Sakuma  
*Science*, **300**, (2003), 377-532  
 [2004]
- [14] "Grazing Incidence X-ray Scattering to Characterize the Thin Amorphous SiOx Film on Silicon Substrate"  
 I. Hirosawa, Y. Uehara, M. Sato, N. Umesaki  
*日本セラミックス協会学術論文誌 (Journal of the Ceramic Society of Japan)*, **112**, (2004), S1476-S1478

## BL24XU

### Refereed Papers

[1998]

- [1] "Material Analysis End-Station of the Hyogo-Ken Beamline at SPring-8"  
 T. Kaneyoshi, T. Ishihara, H. Yoshioka, M. Motoyama, S. Fukushima, K. Hayashi, J. Kawai, K. Taniguchi, S. Hayakawa, Y. Gohshi  
*Journal of Synchrotron Radiation*, **5**, (1998), 509-511

- [2] "In-Vacuum Figure-8 Undulator for Hard X-Ray with Both Horizontal and Vertical Polarization"  
 T. Tanaka, X. Marechal, T. Hara, T. Tanabe, H. Kitamura  
*Journal of Synchrotron Radiation*, **5**, (1998), 412-413

[1999]

- [3] "Phase-Contrast X-Ray Imaging Using Both Vertically and Horizontally Expanded Synchrotron Radiation X-Rays with Asymmetric Bragg Reflection"  
 Y. Kagoshima, Y. Tsusaka, K. Yokoyama, K. Takai, S. Takeda, J. Matsui  
*Japanese Journal of Applied Physics*, **38**, (1999), L470-L472

- [4] "Characterization of Diamond Single Crystals for Synchrotron Radiation Monochromators"  
 Y. Tsusaka, S. Takeda, K. Takai, K. Yokoyama, Y. Kagoshima, J. Matsui, S. Sato, N. Toda, S. Kimura  
*Japanese Journal of Applied Physics*, **38 Suppl. 38-1**, (1999), 616-619

- [5] "Recognition of a TG Mismatch: The Crystal Structure of Very Short Patch Repair Endonuclease in Complex with a DNA Duplex"  
 Susan E. Tsutakawa, H. Jingami, K. Morikawa  
*Cell*, **99**, (1999), 615-623