

[Contract Beamlines]

BL12XU

None

BL12B2

Refereed Journals

[2001]

- [1] "Design of the Taiwan Contract Bending-Magnet Beamline at SPring-8"
M. -T. Tang, T. -E. Dann, C. -C. Chen, K. -L. Tsang, C. -T. Chen, K. -S. Liang
Nuclear Instruments and Methods in Physics Research Section A, **467-468**, (2001), 719-722

[2002]

- [2] "Ce K-Edge EXAFS Study of Nanocrystalline CeO₂"
J. -F. Lee, M. -T. Tang, W. C. Shih, R. S. Liu
Materials Research Bulletin, **37**, (2002), 555-562
- [3] "Determination of Absolute Indium Content in InGaN/GaN Multiple Quantum Wells Using Anomalous X-Ray Scattering"
H. H. Lee, M. S. Yi, H. W. Jang, Y. -T. Moon, S. -J. Park, D. Y. Noh, M. Tang, K. S. Liang
Applied Physics Letters, **81**, (2002), 5120-5122
- [4] "Templated Synthesis and Structural Study of Densely Packed Metal Nanostructures in MCM-41 and MCM-48"
C. Yang, H. Sheu, K. Chao
Advanced Functional Materials, **12**, (2002), 143-148
- [5] "Crystallization and Preliminary Crystallographic Analysis of a D-Aminoacylase from *Alcaligenes Faecalis* DA1"
C. Hsu
Acta Crystallographica Section D, **58**, (2002), 1482-1483

[2003]

- [5] "Crystallization and Preliminary Crystallographic Analysis of Yeast Cytosine Deaminase"
C. Hsu, C. Hu, J. Lin, S. Liaw
Acta Crystallographica Section D, **59**, (2003), 950-952
- [6] "Minimization of Cavity Size Ensures Protein Stability and Folding: Structures of Phe46-Replaced Bovine Pancreatic RNase A"
T. Kadonosono, E. Chatani, R. Hayashi, H. Moriyama, T. Ueki
Biochemistry, **42**, (2003), 10651-10658
- [7] "Crystal Structure of the Yeast Cytosine Deaminase. Insights into the Enzyme Mechanism and Evolution"
T. Ko, J. Lin, C. Hu, Y. Hsu, Andrew H. -J. Wang, S. Liaw
The Journal of Biological Chemistry, **278**, (2003), 19111-19117
- [8] "Crystal Structure of D-Aminoacylase from *Alcaligenes Faecalis* DA1. A Novel Subset of Amidohydrolases and Insights into the Enzyme Mechanism"
S. Liaw, S. Chen, T. Ko, C. Hsu, C. Chen, Andrew H. -J. Wang, Y. Tsai
The Journal of Physical Chemistry B, **278**, (2003), 4957-4962
- [9] "Crystal Structure of the Hyperthermophilic Archaeal DNA-Binding Protein Sso10b2 at a Resolution of 1.85 Angstroms"
C. Chou, T. Lin, C. Chen, Andrew H. J. Wang
Journal of Bacteriology, **186**, (2003), 4066-4073
- [10] "X-Ray Scattering Studies on InGaAs Quantum Dots "
C. Hsu
Physica B, **336**, (2003), 98-102
- [11] "Crystallization and Preliminary X-Ray Diffraction Analysis of Thermophilic Imidase from Pig Liver"
C. Huang
Acta Crystallographica Section D, **59**, (2003), 943-945
- [12] "Structural Characterization of InGaN Thin Films and Multiple Quantum Wells : an Approach of Combining Various X-Ray Scattering Methods"
H. H. Lee
Physica B, **336**, (2003), 109-116

- [13] "Grazing Incidence Small-Angle X-Ray Scattering and Diffraction Study of the Resistance of Mo Implanted Si Wafer After Annealing"
C. Lee
Journal of Applied Crystallography, **36**, (2003), 612–616
- [14] "Crystallization, and Preliminary X-Ray Analysis of Immunogenic Virus-Like Particles Formed by Infectious Bursal Disease Virus (IBDV) Structural Protein VP2"
C. Lee
Acta Crystallographica Section D, **59**, (2003), 1234–1237

BL15XU

Refereed Journals

[2001]

- [1] "X-Ray Photoelectron Spectroscopy Studies of La-Doped $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_y$ Single Crystals"
Y. Yamauchi, S. Kishida, M. Kimura, H. Yoshikawa, S. Fukushima, H. Tokutaka
Physica C, **357–360**, (2001), 410–413
- [2] "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

[2002]

- [3] "Synchrotron X-Ray and TOF Neutron Powder Diffraction Study of a Lyonsite-Type Oxide $\text{Co}_{3.6}\text{Fe}_{3.6}(\text{VO}_4)_6$ "
Alexei A. Belik, F. Izumi, T. Ikeda, A. Nisawa, T. Kamiyama, K. Oikawa
Solid State Sciences, **4**, (2002), 515–522
- [4] "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
- [5] "Contribution of Indirect Ionization of Au $L\alpha_2$ Satellites"
H. OoHashi, N. Shigeoka, T. Tochio, Y. Ito, A. Vlaicu, A. Nisawa, H. Yoshikawa, S. Fukushima, M. Watanabe
Proceedings of International Seminar on Photoionization in Atom, , (2002), 85–88
- [6] "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
- [7] "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
- [8] "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
- [9] "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
- [10] "Phase Control of $\text{Bi}_2\text{Sr}_2\text{Ca}_{n-1}\text{Cu}_n\text{O}_y$ 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
- [11] "Phase Control of $\text{Bi}_2\text{Sr}_2\text{Ca}_{n-1}\text{Cu}_n\text{O}_y$ 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
- [12] "Growth and Characterization of Bi-Based Superconducting Whiskers"
H. Uemoto, S. Kishida, H. Yoshikawa, S. Fukushima, N. Ikeda
Singapore Journal of Physics, **18**, (2002), 255–259

[2003]

- [13] "Performance of YB_{66} 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