

- [6] "Valence State of Tm in  $TmX$  ( $X=S, Se, Te$ ) Investigated by Resonant Inelastic X-ray Scattering"  
I. Jarrige, H. Ishii, Y. Cai, J. Rueff, C. Bonnelle, T. Matsumura, S. R. Shieh  
Physical Review B, **72**, (2005), 075122

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  $CeO_2$ "  
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
- [2003]
- [5] "Structural Basis for Catalysis and Substrate Specificity of *Agrobacterium Radiobacter N*-Carbamoyl-D-Amino-Acid Amidohydrolase"  
C. Chen, W. Chiu, J. Liu, W. Hsu, W. Wang  
The Journal of Biological Chemistry, **278**, (2003), 26194-26201
- [6] "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, **185**, (2003), 4066-4073
- [7] "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
- [8] "X-Ray Scattering Studies on InGaAs Quantum Dots"  
C. Hsu, H.-Y. Lee, Y.-W. Hsieh, Y. P. Stetsko, T. M.-T., K. S. Liang, N. T. Yeh, D. Y. Noh  
Physica B, **336**, (2003), 98-102
- [9] "Crystallization and Preliminary X-Ray Diffraction Analysis of Thermophilic Imidase from Pig Liver"  
C. Huang, S. Chiang, Y. Yang, Y. Sun  
Acta Crystallographica Section D, **59**, (2003), 943-945
- [10] "Mechanism of Metal Activation of Human Hematopoietic Prostaglandin D Synthase"  
T. Inoue, D. Irikura, N. Okazaki, S. Kinugasa, H. Matsumura, N. Uodome, M. Yamamoto, T. Kumasaka, M. Miyano, Y. Kai, Y. Urade  
Nature Structural Biology, **10**, (2003), 291-296
- [11] "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
- [12] "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
- [13] "Structural Characterization of InGaN Thin Films and Multiple Quantum Wells : an Approach of Combining Various X-Ray Scattering Methods"  
H. H. Lee, H. W. Jang, D. H. Kim, D. Y. Noh, M. S. Yi, M. Tang, K. S. Liang  
Physica B, **336**, (2003), 109-117
- [14] "Grazing Incidence Small-Angle X-Ray Scattering and Diffraction Study of the Resistance of Mo Implanted Si Wafer After Annealing"  
C. Lee, C. Qiu, K. Yu, J. Liang, C. Tsai, M. Lin  
Journal of Applied Crystallography, **36**, (2003), 612-616

- [15] "Purification, Crystallization, and Preliminary X-Ray Analysis of Immunogenic Virus-Like Particles Formed by Infectious Bursal Disease Virus (IBDV) Structural Protein VP2"  
C. Lee, T. Ko, M. Lee, C. Chou, S. Lai, Andrew H.-J. Wang, M. Wang  
*Acta Crystallographica Section D*, **59**, (2003), 1234-1237
- [16] "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  
[2004]
- [17] "Crystallization and Preliminary Crystallographic Analysis of *Bacillus subtilis* Guanine Deaminase"  
Y. Chang, C. Huang, C. Hu, S. Liaw  
*Acta Crystallographica Section D*, **60**, (2004), 1152-1154
- [18] "Crystal Structure of Octaprenyl Pyrophosphate Synthase from Hyperthermophilic *Thermotoga maritima* and Mechanism of Product Chain Length Determination"  
R. Guo, C. Kuo, C. Chou, T. Ko, H. Shr, P. Liang, Andrew H. J. Wang  
*The Journal of Biological Chemistry*, **279**, (2004), 4903-4912
- [19] "Crystallization and Preliminary X-ray Crystallographic Analysis of the C-terminal Domain of ParC Protein from *Bacillus stearothermophilus*"  
T. Hsieh, N. Chan  
*Acta Crystallographica Section D*, **60**, (2004), 564-566
- [20] "Structure of the Topoisomerase IV C-terminal Domain: a Broken  $\beta$ -Propeller Implies a Role as Geometry Facilitator in Catalysis"  
T. Hsieh, L. Farh, W. Huang, N. Chan  
*The Journal of Biological Chemistry*, **279**, (2004), 55587-55593
- [21] "The Functional Role of the Binuclear Metal Center in D-Aminoacylase. One-metal Activation and Second-metal Attenuation"  
W. Lai, L. Chou, C. Ting, R. Kirby, Y. Tsai, Andrew H.-J. Wang, S. Liaw  
*The Journal of Biological Chemistry*, **279**, (2004), 13962-13967
- [22] "Crystal Structure of *Bacillus subtilis* Guanine Deaminase The First Domain-Swapped Structure in the Cytidine Deaminase Superfamily"  
S. Liaw, Y. Chang, C. Lai, H. Chang, G. Chang  
*The Journal of Biological Chemistry*, **279**, (2004), 35479-35485
- [23] "Crystal Structures and Electron Micrographs of Fungal Volvatoxin A2"  
S. Lin, Y. Lo, J. Lin, Y. Liaw  
*Journal of Molecular Biology*, **343**, (2004), 477-491
- [24] "Crystal Structure of PriB, a Primosomal DNA Replication Protein of *Escherichia coli*"  
J. Liu, T. Chang, C. Huang, S. Chen, H. Wu, M. Chang, C. Hsiao  
*The Journal of Biological Chemistry*, **279**, (2004), 50465-50471
- [25] "Crystallization and Preliminary X-ray Diffraction Analysis of Spermidine Synthase from *Helicobacter pylori*"  
P.-K. Lu, S.-Y. Chien, J.-Y. Tsai, C.-T. Fong, M. J. Lee, H. Huang, Y. Sun  
*Acta Crystallographica Section D*, **60**, (2004), 2067-2069
- [26] "Structure of Human Translin at 2.2Å Resolution"  
I. Sugiura, C. Sasaki, T. Hasegawa, T. Kohno, S. Sugio, H. Moriyama, M. Kasai, T. Matsuzaki  
*Acta Crystallographica Section D*, **60**, (2004), 674-679
- [27] "Purification, Crystallization and Preliminary X-ray Crystallographic Analysis of a Cysteine-rich Secretory Protein (CRISP) from *Naja atra* Venom"  
Y. Wang, C. Chen, K. Goh, W. Wu  
*Acta Crystallographica Section D*, **60**, (2004), 1912-1915  
[2005]
- [28] "Structural and Mutational Analysis of *Trypanosoma brucei* Prostaglandin H<sub>2</sub> Reductase Provides Insight into the Catalytic Mechanism of Aldo-ketoreductases"  
B. Kubata, T. Inoue, Y. Okano, Z. Kabututu, Samuel K. Martin, M. Lazarus, M. Duszenko, Y. Sumii, Y. Kusakari, H. Matsumura, Y. Kai, S. Sugiyama, K. Inaka, T. Inui, Y. Urade  
*The Journal of Biological Chemistry*, **280**, (2005), 26371-26383