

- [98] "Crystal Structure of the MarR Family Regulatory Protein, ST1710, from *Sulfolobus tokodaii* Strain 7" T. Kumarevel, T. Tanaka, M. Nishio, S. Gopinath, K. Takio, A. Shinkai, P. Kumar, S. Yokoyama Journal of Structural Biology, **161**, (2008), 9-17
- [99] "Structures of Dimeric Nonstandard Nucleotide Triphosphate Pyrophosphatase from *Pyrococcus horikoshii* OT3: Functional Significance of Interprotomer Conformational Changes" Neratur K. Lokanath, Kudigana J. Pampa, K. Takio, N. Kunishima Journal of Molecular Biology, **375**, (2008), 1013-1025
- [100] "Crystallization and Preliminary Crystallographic Studies of L30e, a Ribosomal Protein from *Methanocaldococcus jannaschii* (MJ1044)" S. Rangarajan, J. Jeyaraman, P. Mridula, K. Sakamoto, Y. Kitamura, Y. Agari, A. Shinkai, A. Ebihara, S. Kuramitsu, S. Yokoyama, K. Sekar Acta Crystallographica Section F, **64**, (2008), 102-104
- [101] "Crystallographic Studies on Multiple Conformational States of Active-Site Loops in Pyrrolysyl-tRNA Synthetase" T. Yanagisawa, R. Ishii, R. Fukunaga, T. Kobayashi, K. Sakamoto, S. Yokoyama Journal of Molecular Biology, **378**, (2008), 634-652

BL26B2

Refereed Journals

- [2003]
- [1] "Crystallization and Preliminary X-ray Studies of Xylanase 10B from *Thermotoga maritima*" I. Iis, T. Kumasaka, T. Kaneko, C. Morokuma, S. Nakamura, N. Tanaka Acta Crystallographica Section D, **59**, (2003), 1659-1661
- [2004]
- [2] "Structural Basis of Leukotriene B₄ 12-Hydroxydehydrogenase/15-Oxo-prostaglandin13-Reductase Catalytic Mechanism and a Possible Src Homology 3 Domain Binding Loop" T. Hori, Y. Takehiko, H. Ago, M. Sugahara, G. Ueno, M. Yamamoto, T. Kumasaka, T. Shimizu, M. Miyano The Journal of Biological Chemistry, **279**, (2004), 22615-22623
- [3] "Crystallization and Preliminary X-ray Crystallographic Analysis of Chitinase F1 (ChiF1) from the Alkaliphilic *Nocardiopsis* sp. strain F96" T. Matsui, T. Kumasaka, K. Endo, T. Sato, S. Nakamura, N. Tanaka Acta Crystallographica Section D, **60**, (2004), 2016-2018
- [4] "Crystallization and Preliminary X-ray Diffraction Studies of the Hyperthermophilic Archaeal Sulredoxin Having the Unique Rieske [2Fe-2S] Cluster Environment" T. Uchiyama, A. Kounosu, T. Sato, N. Tanaka, T. Iwasaki, T. Kumasaka Acta Crystallographica Section D, **60**, (2004), 1487-1489
- [5] "Sample Management System for a Vast amount of Frozen Crystals at SPring-8" G. Ueno, R. Hirose, K. Ida, T. Kumasaka, M. Yamamoto Journal of Applied Crystallography, **37**, (2004), 867-873
- [6] "Crystal Structure of the C-terminal Clock-Oscillator Domain of the Cyanobacterial KaiA Protein" T. Uzumaki, M. Fujita, T. Nakatsu, F. Hayashi, H. Shibata, N. Ito, H. Kato, M. Ishiura Nature Structural and Molecular Biology, **11**, (2004), 623-631
- [2005]
- [7] "Structure of a Putative *Trans*-editing Enzyme for Prolyl-tRNA from *Aeropyrum pernix* K1 at 1.7 Å Resolution" K. Murayama, M. Kato-Murayama, K. Katsura, T. Uchikubo-Kamo, M. Yamaguchi-Hirafuji, M. Kawazoe, R. Akasaka, K. Hanawa-Suetsugu, C. Hori-Takemoto, T. Terada, M. Shirouzu, S. Yokoyama Acta Crystallographica Section F, **61**, (2005), 26-29
- [8] "A Norovirus Protease Structure Provides Insights into Active and Substrate Binding Site Integrity" K. Nakamura, Y. Someya, T. Kumasaka, G. Ueno, M. Yamamoto, T. Sato, N. Takeda, T. Miyamura, N. Tanaka Journal of Virology, **79**, (2005), 13685-13693
- [9] "Compact Reduced Thioredoxin Structure from the Thermophilic Bacteria *Thermus thermophilus*" P. Rehse, M. Kumei, T. Tahirov Proteins: Structure, Function, and Bioinformatics, **61**, (2005), 1032-1037
- [10] "Beamline Scheduling Software: Administration Software for Automatic Operation of the RIKEN Structural Genomics Beamlines at SPring-8" G. Ueno, H. Kanda, M. Yamamoto, T. Kumasaka Journal of Synchrotron Radiation, **12**, (2005), 380-384

[2006]

- [11] "Crystal Structure of Hypothetical Protein TTHB192 from *Thermus thermophilus* HB8 Reveals a New Protein Family with an RNA Recognition Motif-like Domain"
A. Ebihara, M. Yao, R. Masui, I. Tanaka, S. Yokoyama, S. Kuramitsu
Protein Science, **15**, (2006), 1494-1499
- [12] "Expression, Purification, Crystallization and Preliminary X-ray Diffraction Analysis of Galactokinase from *Pyrococcus horikoshii*"
E. Inagaki, K. Sakamoto, N. Obayashi, T. Terada, M. Shirouzu, Y. Bessho, C. Kuroishi, S. Kuramitsu, A. Shinkai, S. Yokoyama
Acta Crystallographica Section F, **62**, (2006), 169-171
- [13] "Structure of the Stand-Alone RAM-Domain Protein from *Thermus thermophilus* HB8"
N. Nakano, N. Okazaki, S. Sato, K. Takio, S. Kuramitsu, A. Shinkai, S. Yokoyama
Acta Crystallographica Section F, **62**, (2006), 855-860
- [14] "Novel Versatile Cryoprotectants for Heavy-Atom Derivatization of Protein Crystals"
M. Sugahara, N. Kunishima
Acta Crystallographica Section D, **62**, (2006), 520-526
- [15] "The 1.48 Å Resolution Crystal Structure of the Homotetrameric Cytidine Deaminase from Mouse"
A. Teh, M. Kimura, M. Yamamoto, N. Tanaka, I. Yamaguchi, T. Kumasaka
Biochemistry, **45**, (2006), 7825-7833
- [16] "Development of Trichromatic Protein Crystallography and High-Throughput Beamlines at SPring-8"
M. Yamamoto
日本結晶学会誌 (Journal of the Crystallographic Society of Japan), **48**, (2006), 199-206
- [2007]
- [17] "Crystallization and Preliminary Crystallographic Analysis of Molybdenum-cofactor Biosynthesis Protein C from *Thermus thermophilus*"
S. Kanaujia, C. Ranjani, J. Jeyakanthan, S. Baba, L. Chen, Z. Liu, B. Wang, M. Nishida, A. Ebihara, A. Shinkai, S. Kuramitsu, Y. Shiro, K. Sekar, S. Yokoyama
Acta Crystallographica Section F, **63**, (2007), 27-29
- [18] "Cloning, Expression, Purification, Crystallization and Preliminary X-ray Crystallographic Study of DHNA Synthetase from *Geobacillus kaustophilus*"
S. Kanaujia, C. Ranjani, J. Jeyakanthan, S. Baba, C. Kuroishi, A. Ebihara, A. Shinkai, S. Kuramitsu, Y. Shiro, K. Sekar, S. Yokoyama
Acta Crystallographica Section F, **63**, (2007), 103-105
- [19] "Cloning, Expression, Purification, Crystallization and Preliminary X-ray Crystallographic Study of Molybdopterin Synthase from *Thermus thermophilus* HB8"
S. Kanaujia, C. Ranjani, J. Jeyakanthan, M. Ohmori, K. Agari, Y. Kitamura, S. Baba, A. Ebihara, A. Shinkai, S. Kuramitsu, Y. Shiro, K. Sekar, S. Yokoyama
Acta Crystallographica Section F, **63**, (2007), 324-326
- [20] "Crystal Structure Analysis of the PHD Domain of the Transcription Co-activator Pygopus"
Y. Nakamura, T. Umehara, H. Hamana, Y. Hayashizaki, M. Inoue, T. Kigawa, M. Shirouzu, T. Terada, A. Tanaka, B. Padmanabhan, S. Yokoyama
Journal of Molecular Biology, **370**, (2007), 80-92
- [21] "Purification, Crystallization and Preliminary X-ray Crystallographic analysis of ST1022, a Putative Member of the Lrp/AsnC Family Oftranscriptional Regulators Isolated from *Sulfolobus tokodaii* Strain 7"
N. Nakano, T. Kumarevel, E. Matsunaga, A. Shinkai, S. Kuramitsu, S. Yokoyama
Acta Crystallographica Section F, **63**, (2007), 964-966
- [22] "Crystal Structure of a UPF0150-Family Protein from *Thermus thermophilus* HB8"
N. Okazaki, M. Kumei, M. Manzoku, S. Kuramitsu, M. Shirouzu, A. Shinkai, S. Yokoyama
Acta Crystallographica Section F, **63**, (2007), 173-177
- [2008]
- [23] "X-ray Crystal Structure of a Hypothetical Sua5 Protein from *Sulfolobus tokodaii* Strain 7"
Y. Agari, S. Sato, T. Wakamatsu, Y. Bessho, A. Ebihara, S. Yokoyama, S. Kuramitsu, A. Shinkai
Proteins: Structure, Function, and Bioinformatics, **70**, (2008), 1108-1111
- [24] "Crystal Structure of Uncharacterized Protein TTHA1756 from *Thermus thermophilus* HB8: Structural Variety in UPF0150 Family Proteins"
A. Ebihara, M. Manzoku, H. Iino, M. Kanagawa, A. Shinkai, S. Yokoyama, S. Kuramitsu
Proteins: Structure, Function, and Bioinformatics, **71**, (2008), 2097-2101
- [25] "Crystal Structure of the YdjC-family Protein TTHB029 from *Thermus thermophilus* HB8: Structural Relationship with Peptidoglycan N-acetylglucosamine Deacetylase"
T. Imagawa, H. Iino, M. Kanagawa, A. Ebihara, S. Kuramitsu, H. Tsuge
Biochemical and Biophysical Research Communications, **367**, (2008), 535-541

- [26] "Structure of Peptidyl-tRNA Hydrolase 2 from *Pyrococcus horikoshii* OT3: Insight into the Functional Role of Its Dimeric State"
K. Shimizu, C. Kuroishi, M. Sugahara, N. Kunishima
Acta Crystallography Section D, **64**, (2008), 444-453
- [27] "Structural Basis for Different Substrate Specificities of Two ADP-Ribose Pyrophosphatases from *Thermus thermophilus* HB8"
T. Wakamatsu, N. Nakagawa, S. Kuramitsu, R. Masui
Journal of Bacteriology, **190**, (2008), 1108-1117

BL29XU

Refereed Journals

- [2000]
- [1] "Performance of a CsI Photocathode in a Hard X-Ray Streak Camera"
T. Hara, Y. Tanaka, H. Kitamura, T. Ishikawa
Review of Scientific Instruments, **71**, (2000), 3624-3626
- [2] "Timing Control of an Intense Picosecond Pulse Laser to the SPring-8 Synchrotron Radiation Pulses"
Y. Tanaka, T. Hara, H. Kitamura, T. Ishikawa
Review of Scientific Instruments, **71**, (2000), 1268-1274
- [2001]
- [3] "Observation of Hard X-Ray Pulses with a Highly Sensitive Streak Camera"
T. Hara, Y. Tanaka, H. Kitamura, T. Ishikawa
Nuclear Instruments and Methods in Physics Research Section A, **467-468**, (2001), 1125-1128
- [4] "Site-Selective X-Ray Absorption Fine Structure Analysis of an Optically Active Center in Er-Doped Semiconductor Thin Film Using X-Ray-Excited Optical Luminescence"
M. Ishii, Y. Tanaka, T. Ishikawa, S. Komuro, T. Morikawa, Y. Aoyagi
Applied Physics Letters, **78**, (2001), 183-185
- [5] "X-Ray-Excited Optical Luminescence of Erbium-Doped Semiconductor: Site-Selective X-Ray Absorption Spectroscopy of an Optically Active Atom"
M. Ishii, Y. Tanaka, S. Komuro, T. Morikawa, Y. Aoyagi, T. Ishikawa
Journal of Electron Spectroscopy and Related Phenomena, **114-116**, (2001), 521-525
- [6] "X-Ray-Excited Optical Luminescence of Impurity Atom in Semiconductor"
M. Ishii, Y. Tanaka, S. Komuro, T. Morikawa, Y. Aoyagi, T. Ishikawa
Journal of Synchrotron Radiation, **8**, (2001), 372-374
- [7] "Variation of XMCD Spectrum with Temperature at R $L_{2,3}$ -Edges in $R_3Fe_5O_{12}$ (R=Gd and Er)"
N. Kawamura, M. Suzuki, H. Maruyama, T. Ishikawa
Journal of Synchrotron Radiation, **8**, (2001), 425-427
- [8] "Cryogenic Cooling Monochromators for the SPring-8 Undulator Beamlines"
T. Mochizuki, Y. Kohmura, M. Awaji, Y. Suzuki, Alfred Q. R. Baron, K. Tamasaku, M. Yabashi, H. Yamazaki, T. Ishikawa
Nuclear Instruments and Methods in Physics Research Section A, **467-468**, (2001), 647-649
- [9] "Experimental Studies of 90°Bragg Reflection from a Sub-Micron $In_xGa_{1-x}As$ Single-Crystal Film Deposited on a GaAs Substrate"
Andrei Y. Nikulin, K. Tamasaku, Brian F. Usher, T. Ishikawa
Japanese Journal of Applied Physics, **40**, (2001), 898-903
- [10] "R&D on Third Generation Multi-Segmented Piezoelectric Bimorph Mirror Substrates at SPring-8"
R. Signorato, T. Ishikawa
Nuclear Instruments and Methods in Physics Research Section A, **467-468**, (2001), 271-274
- [11] "X-Ray Phase Retrieval in High-Resolution Refraction Data from Amorphous Materials"
Karen K.-W. Siu, Andrei Y. Nikulin, K. Tamasaku, T. Ishikawa
Applied Physics Letters, **79**, (2001), 2112-2114
- [12] "An Application of Phase Retrieval X-Ray Diffractometry to Refraction/Small-Angle Scattering Data"
Karen K.-W. Siu, Andrei Y. Nikulin, K. Tamasaku, T. Ishikawa
Journal of Physics D: Applied Physics, **34**, (2001), 2912-2917
- [13] "Energy-Modulation Spectroscopy in Hard X-Ray Region"
M. Suzuki, N. Kawamura, T. Ishikawa
Nuclear Instruments and Methods in Physics Research Section A, **467-468**, (2001), 1568-1571
- [14] "Quantitative Determination of the Spatial Coherence from the Visibility of Equal-Thickness Fringes"
K. Tamasaku, T. Ishikawa
Acta Crystallographica Section A, **57**, (2001), 197-200
- [15] "SPring-8 RIKEN Beamline III for Coherent X-Ray Optics"
K. Tamasaku, Y. Tanaka, M. Yabashi, H. Yamazaki, N. Kawamura, M. Suzuki, T. Ishikawa
Nuclear Instruments and Methods in Physics Research Section A, **467-468**, (2001), 686-689