

- [7] "Reaction Mechanism of the Olivine-Type  $\text{Li}_x(\text{Mn}_{0.6}\text{Fe}_{0.4})\text{PO}_4$  ( $0 \leq x \leq 1$ )"  
 A. Yamada, Y. Kudo, K. Liu  
 Journal of the Electrochemical Society, **148**, (2001), A747–A754
- [8] "Phase Diagram of  $\text{Li}_x(\text{Mn}_y\text{Fe}_{1-y})\text{PO}_4$  ( $0 \leq x, y \leq 1$ )"  
 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 ( $\text{Ce/Zr}=1$ )"  
 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), 377–332

## BL24XU

### Refereed Journals

- [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  
 [2000]
- [6] "Expression, Purification and Crystallization of Human Tau-Protein Kinase I/Glycogen Synthase  
 Kinase-3 $\beta$ "  
 M. Aoki, M. Iwamoto-Sugai, I. Sugiura, C. Sasaki, T. Hasegawa, C. Okumura, S. Sugio, T. Kohno, T.  
 Matsuzaki  
 Acta Crystallographica Section D, **56**, (2000), 1464–1465

- [7] "Amphipathic Structure of Theonellapeptolide-Id, a Hydrophobic Tridecapeptide Lactone from the Okinawa Marine Sponge *Theonella swinhonis*"  
M. Doi, T. Ishida, M. Kobayashi, Y. Katsuya, Y. Mezaki, M. Sasaki, A. Terashima, T. Taniguchi, C. Tanaka  
*Biopolymers*, **54**, (2000), 27–34
- [8] "Unique Sodium-Caged Structure of a Potent Endothelin-1 Inhibitor: Crystal Structure of BQ123 Sodium Salt, *cyclo*(D-Trp-D-Asp-Pro-D-Val-Leu)·Na<sup>+</sup>"  
M. Doi, T. Ishida, Y. Katsuya, Y. Mezaki, M. Sasaki, A. Terashima, T. Taniguchi, H. Hasegawa, M. Shiono  
*Chemical Communications*, **2000**, (2000), 743–744
- [9] "500-nm-Resolution 10 keV X-Ray Imaging Transmission Microscope with Tantalum Phase Zone Plates"  
Y. Kagoshima, T. Ibuki, K. Takai, Y. Yokoyama, N. Miyamoto, Y. Tsusaka, J. Matsui  
*Japanese Journal of Applied Physics*, **39**, (2000), L433–L435
- [10] "Focusing Properties of Tantalum Phase Zone Plate and Its Application to Hard X-Ray Microscope"  
Y. Kagoshima, K. Takai, T. Ibuki, K. Yokoyama, S. Takeda, M. Urakawa, Y. Tsusaka, J. Matsui  
*X-Ray Microscopy: Proceedings of the Sixth International Conference (AIP Conference Proceedings 507)*, **CP507**, (2000), 668–671
- [11] "Real-time Phase-Contrast X-Ray Imaging Using Two-Dimensionally Expanded Synchrotron Radiation X-Rays at the BL24XU(Hyogo-BL) of the SPring-8"  
Y. Kagoshima, Y. Tsusaka, J. Matsui, K. Yokoyama, K. Takai, S. Takeda, K. Kobayashi, H. Kimura, S. Kimura, K. Izumi  
*X-Ray Microscopy: Proceedings of the Sixth International Conference (AIP Conference Proceedings 507)*, **CP507**, (2000), 41–44
- [12] "Reconstruction of an InP(001) Surface Grown by Metalorganic Vapor Phase Epitaxy in Atmospheric Hydrogen Environment"  
T. Kawamura, Y. Watanabe, Y. Utsumi, K. Uwai, J. Matsui, Y. Kagoshima, Y. Tsusaka, S. Fujikawa  
*Applied Physics Letters*, **77**, (2000), 996–998
- [13] "High-Resolution Microbeam X-Ray Diffractometry Applied to InGaAsP/InP Layers Grown by Narrow-Stripe Selective Metal-Organic Vapor Phase Epitaxy"  
S. Kimura, H. Kimura, K. Kobayashi, T. Oohira, K. Izumi, Y. Sakata, Y. Tsusaka, K. Yokoyama, S. Takeda, M. Urakawa, Y. Kagoshima, J. Matsui  
*Applied Physics Letters*, **77**, (2000), 1286–1288
- [14] "X-Ray Phase Contrast Imaging Study of Activated Carbon/Carbon Composite"  
K. Kobayashi, K. Izumi, H. Kimura, S. Kimura, T. Oohira, T. Saito, Y. Kibi, T. Ibuki, K. Takai, Y. Tsusaka, Y. Kagoshima, J. Matsui  
*Materials Research Society Symposia Proceedings*, **590**, (2000), 273–278
- [15] "Structural Basis of Glutamate Recognition by a Dimeric Metabotropic Glutamate Receptor"  
N. Kunishima, Y. Shimada, Y. Tsuji, T. Sato, M. Yamamoto, T. Kumasaka, S. Nakanishi, H. Jingami, K. Morikawa  
*Nature*, **407**, (2000), 971–977
- [16] "Live X-Ray Refraction Imaging Using Vertically and Horizontally Wide X-Rays"  
J. Matsui, Y. Kagoshima, Y. Tsusaka, K. Yokoyama, K. Takai, S. Takeda, K. Yamasaki  
*X-Ray and Inner-Shell Processes (AIP Conference Proceedings 506)*, **CP506**, (2000), 565–576
- [17] "Formation of Parallel X-Ray Microbeam and Its Application"  
Y. Tsusaka, K. Yokoyama, S. Takeda, M. Urakawa, Y. Kagoshima, J. Matsui, S. Kimura, H. Kimura, K. Kobayashi, K. Izumi  
*Japanese Journal of Applied Physics*, **39**, (2000), L635–L637
- [18] "Crystallization and Preliminary X-Ray Crystallographic Analysis of Alginate lyase A1-II from *Sphingomonas* Species A1"  
H. Yoon, W. Hashimoto, Y. Katsuya, Y. Mezaki, K. Murata, B. Mikami  
*Biochimica et Biophysica Acta*, **1476**, (2000), 382–385
- [2001]
- [19] "Crystal Structure of 2-[N-(t-Butoxycarbonyl)amino]-4-(thymin-1-yl)-Butyric Acid Methyl Ester"  
A. Asano, Y. Katsuya, M. Sasaki, T. Taniguchi, H. Hasegawa, M. Doi  
*Analytical Sciences*, **17**, (2001), 361–362
- [20] "A  $\beta$ -Sheet Structure Formed by C-H...O Hydrogen Bonds between the Thiazole Rings and Amide Bonds of a Dimeric Desoxazoline Ascidiacyclamide Analogue"  
A. Asano, T. Taniguchi, M. Sasaki, H. Hasegawa, Y. Katsuya, M. Doi  
*Acta Crystallographica Section E*, **57**, (2001), o834–o838

- [21] "Effects of Amino Acids and Chirality for Molecular Folding of Desoxazoline Asciadiacyclamide Derivatives: X-Ray Crystal Structures of Four Cyclic Octapeptides Including Unusual Amino Acids, *cyclo*(-Ile-*a*Thr-D-Val-Thz-)<sub>2</sub>, *cyclo*(-Ala-*a*Thr-D-Val-Thz-Ile-*a*Thr-D-Val-Thz-), *cyclo*(-Val-*a*Thr-D-Val-Thz-Ile-*a*Thr-D-Val-Thz-), and *cyclo*(-Ile-*a*Thr-Val-Thz-Ile-*a*Thr-D-Val-Thz-)"  
A. Asano, M. Doi, K. Kobayashi, M. Ariomoto, T. Ishida, Y. Katsuya, Y. Mezaki, H. Hasegawa, M. Nakai, M. Sasaki, T. Taniguchi, A. Terashima  
*Biopolymers*, **58**, (2001), 295-304
- [22] "Caged and Clustered Structures of Endothelin Inhibitor BQ123, *cyclo*(-D-Trp-D-Asp-Pro-D-Val-Leu-) $\bullet$ Na<sup>+</sup>, Forming Five and Six Coordination Bonds between Sodium Ions and Peptides"  
M. Doi, A. Asano, T. Ishida, Y. Katsuya, Y. Mezaki, M. Sasaki, A. Terashima, T. Taniguchi, H. Hasegawa, M. Shino  
*Acta Crystallographica Section D*, **57**, (2001), 628-634
- [23] "A Folded Conformation of an Asciadiacyclamide Derivative: 3-Methoxysulfoxide-(2*R*,3*R*)-Threoninyl Desoxazoline-Asciadiacyclamide"  
M. Doi, A. Asano, Y. Usami, Y. Katsuya, M. Nakai, M. Sasaki, T. Taniguchi, H. Hasegawa  
*Acta Crystallographica Section E*, **57**, (2001), o1019-o1021
- [24] "KNI-272, a Highly Selective and Potent Peptidic HIV Protease Inhibitor"  
M. Doi, T. Ishida, Y. Katsuya, M. Sasaki, T. Taniguchi, H. Hasegawa, T. Mimoto, Y. Kiso  
*Acta Crystallographica Section C*, **57**, (2001), 1333-1335
- [25] "Antiparallel Plated  $\beta$ -Sheets Observed in Crystal Structures of *N,N*-Bis(Trichloroacetyl) and *N,N*-Bis(m-Bromobenzoil) Gramicidin S"  
M. Doi, S. Fujita, Y. Katsuya, M. Sasaki, T. Taniguchi, H. Hasegawa  
*Archives of Biochemistry and Biophysics*, **395**, (2001), 85-93
- [26] "10 keV X-Ray Phase-Contrast Microscopy for Observing Transparent Specimens"  
Y. Kagoshima, T. Ibuki, Y. Yokoyama, Y. Tsusaka, J. Matsui, K. Takai, M. Aino  
*Japanese Journal of Applied Physics*, **40**, (2001), L1190-L1192
- [27] "Scanning Hard X-Ray Microscope with Tantalum Phase Zone Plate at the Hyogo-BL (BL24XU) of SPring-8"  
Y. Kagoshima, K. Takai, T. Ibuki, Y. Yokoyama, T. Hashida, K. Yokoyama, S. Takeda, M. Urakawa, N. Miyamoto, Y. Tsusaka, J. Matsui, M. Aino  
*Nuclear Instruments and Methods in Physics Research Section A*, **467-468**, (2001), 872-876
- [28] "In situ Observation of Superstructures on Epitaxially Grown Semiconductor Surface under Hydrogen Atmosphere"  
T. Kawamura, Y. Watanabe, Y. Utsumi, J. Matsui, Y. Kagoshima, Y. Tsusaka, S. Fujikawa  
*Transactions of the Materials Research Society of Japan*, **26**, (2001), 759-762
- [29] "X-Ray Phase-Contrast Imaging with Submicron Resolution by Using Extremely Asymmetric Bragg Diffractions"  
K. Kobayashi, K. Izumi, H. Kimura, S. Kimura, T. Ibuki, Y. Yokoyama, Y. Tsusaka, Y. Kagoshima, J. Matsui  
*Applied Physics Letters*, **78**, (2001), 132-134
- [30] "Crystallization and Secondary-Structure Determination of a Protein of the Lrp/AsnC Family from a Hyperthermophilic Archaeon"  
N. Kudo, Mark D. Allen, H. Koike, Y. Katsuya, M. Suzuki  
*Acta Crystallographica Section D*, **57**, (2001), 469-471
- [31] "Rocking Curve Measurements of Infrared LEDs Using Highly Parallel X-Ray Microbeam"  
S. Takeda, K. Yokoyama, M. Urakawa, T. Ibuki, T. Takai, Y. Tsusaka, Y. Kagoshima, J. Matsui, N. Miyamoto  
*Nuclear Instruments and Methods in Physics Research Section A*, **467-468**, (2001), 974-977
- [32] "Hyogo Beamline at SPring-8: Multiple Station Beamline with the TROIKA Concept"  
Y. Tsusaka, K. Yokoyama, S. Takeda, K. Takai, Y. Kagoshima, J. Matsui  
*Nuclear Instruments and Methods in Physics Research Section A*, **467-468**, (2001), 670-673
- [33] "Crystal Structure of the Holliday Junction Migration Motor Protein RuvB from *Thermus thermophilus* HB8"  
K. Yamada, N. Kunishima, K. Mayanagi, T. Ohnishi, T. Nishino, H. Iwasaki, H. Shinagawa, K. Morikawa  
*Proceedings of the National Academy of Sciences of the United States of America*, **98**, (2001), 1442-1447
- [34] "Sin<sup>2</sup> $\psi$  Stress Measurement Method with Maintaining Probing Depth"  
E. Yanase, K. Zolotarev, K. Nishio, Y. Kusumi, K. Arai, S. Nakagawa  
*Journal of Neutron Research*, **9**, (2001), 273-279

- [35] "Study of Local Strain Distribution in Semiconductor Devices Using High-Resolution X-Ray Microbeam Diffractometry"  
 K. Yokoyama, S. Takeda, M. Urakawa, Y. Tsusaka, Y. Kagoshima, J. Matsui, S. Kimura, H. Kimura, K. Kobayashi, T. Ohhira, K. Izumi, N. Miyamoto  
*Nuclear Instruments and Methods in Physics Research Section A*, **467–468**, (2001), 1205–1208
- [36] "Focusing Hard X-Ray with a Single Lens"  
 Y. Zhang, T. Katoh, Y. Kagoshima, J. Matsui, Y. Tsusaka  
*Japanese Journal of Applied Physics*, **40**, (2001), L75–L77
- [37] "High Resolution X-Ray Fluorescence Measurements Using a Flat Analyzer Crystal and an X-Ray CCD"  
 S. Hayakawa, Y. Kagoshima, Y. Tsusaka, J. Matsui, T. Hirokawa  
*Journal of Trace and Microprobe Techniques*, **19**, (2001), 615–621
- [38] "Crystal Structure of the Archaeal Holliday Junction Resolvase Hjc and Implications for DNA Recognition"  
 T. Nishino, K. Komori, D. Tsuchiya, Y. Ishino, K. Morikawa  
*Structure*, **9**, (2001), 197–204
- [39] "Atomic Structure of the Clamp Loader Small Subunit from *Pyrococcus furiosus*"  
 T. Oyama, Y. Ishino, Isaac K. O. Cann, S. Ishino, K. Morikawa  
*Molecular Cell*, **8**, (2001), 455–463
- [2002]
- [40] "X-Ray Optics 'Owl' and 'Trinity'"  
 M. Ando, K. Hyodo, H. Sugiyama, A. Maksimenko, W. Pattanasiriwisawa, K. Mori, J. Roberson, E. Rubenstein, Y. Tanaka, J. Chen, D. Xian, X. Zhang  
*Japanese Journal of Applied Physics*, **41**, (2002), 4742–4749
- [41] "Possible Detection of Bony Trabeculae, Vascular Channels in Auditory Ossicles and Breast Cancer by Means of X-Ray Dark Field Imaging"  
 M. Ando, J. Roberson, E. Rubenstein, W. Pattanasiriwisawa, A. Maksimenko, H. Sugiyama, K. Hyodo, C. Uyama  
*Proceedings of Joint Symposium on Bio-Sensing and Bio-Imaging 2001*, , (2002), 95–100
- [42] "Simple X-Ray Dark-and Bright-Field Imaging Using Achromatic Laue Optics"  
 M. Ando, A. Maksimenko, H. Sugiyama, W. Pattanasiriwisawa, K. Hyodo, C. Uyama  
*Japanese Journal of Applied Physics*, **41**, (2002), L1016–L1018
- [43] "Effect of Asymmetric Modification on the Conformation of Asciadiacyclamide Analogs"  
 A. Asano, K. Minoura, T. Yamada, A. Numata, T. Ishida, Y. Katsuya, Y. Mezaki, M. Sasaki, T. Taniguchi, M. Nakai, H. Hasegawa, A. Terashima, M. Doi  
*The Journal of Peptide Research*, **60**, (2002), 10–22
- [44] "Electrical and Structural Properties of Indium Tin Oxide Films Prepared by Pulsed Laser Deposition"  
 H. Izumi, Frederick O. Adurodija, T. Kaneyoshi, T. Ishihara, H. Yoshioka, M. Motoyama  
*Journal of Applied Physics*, **91**, (2002), 1213–1218
- [45] "230 nm Resolution 10 keV X-Ray Imaging Transmission Microscope with Parallel Beam Illumination"  
 Y. Kagoshima, T. Ibuki, Y. Yokoyama, K. Takai, Y. Tsusaka, J. Matsui  
*Japanese Journal of Applied Physics*, **41**, (2002), 412–413
- [46] "Direct Microfabrication Using an X-Ray Micro-Beam"  
 T. Katoh, Y. Zhang, Y. Kagoshima, Y. Tsusaka, J. Matsui  
*Sensors and Actuators A*, **97–98**, (2002), 725–728
- [47] "Microscopic Strain Analysis of Semiconductor Crystale Using a Synchrotron X-Ray Microbeam"  
 J. Matsui, Y. Tsusaka, K. Yokoyama, S. Takeda, M. Urakawa, Y. Kagoshima, S. Kimura  
*Journal of Crystal Growth*, **237–239**, (2002), 317–323
- [48] "Structural Views of the Ligand-Binding Cores of a Metabotropic Glutamate Receptor Complexed with an Antagonist and Both Glutamate and Gd<sup>3+</sup>"  
 D. Tsuchiya, N. Kunishima, N. Kamiya, H. Jingami, K. Morikawa  
*Proceedings of the National Academy of Sciences of the United States of America*, **99**, (2002), 2660–2665
- [49] "Crystallographic Studies on Human BST-1/CD157 with ADP-Ribosyl Cyclase and NAD Glycohydrolase Activities"  
 S. Yamamoto-Katayama, M. Ariyoshi, K. Ishihara, T. Hirano, H. Jingami, K. Morikawa  
*Journal of Molecular Biology*, **316**, (2002), 711–723
- [50] "X-Ray Diffractometer Designed for Industrial Applications at SPring-8 BL24XU"  
 E. Yanase, K. Zolotarev, K. Nishio, Y. Kusumi, H. Okado, K. Arai  
*Journal of Synchrotron Radiation*, **9**, (2002), 309–312

- [51] "A Flat Squared Conformation of an Ascidiacyclamide Derivative Caused by Chiral Modification of an Oxazoline Residue"  
 A. Asano, T. Yamada, A. Numata, Y. Katsuya, M. Sasaki, T. Taniguchi, M. Doi  
*Biochemical and Biophysical Research Communications*, **297**, (2002), 143–147
- [52] "High Resolution Hard X-Ray Phase-Contrast Microscopy with a Large-Diameter and High-Numerical-Aperture Zone Plate"  
 Y. Kagoshima, Y. Yokoyama, T. Ibuki, T. Niimi, Y. Tsusaka, K. Takai, J. Matsui  
*Journal of Synchrotron Radiation*, **9**, (2002), 132–135
- [53] "Measurement of Strain Distribution in InGaAsP Selective-Area Growth Layers Using a Micro-Area X-Ray Diffraction Method with Sub- $\mu$ m Spatial Resolution"  
 S. Kimura, Y. Kagoshima, K. Kobayashi, K. Izumi, Y. Sakata, S. Sudo, Y. Yokoyama, T. Niimi, Y. Tsusaka, J. Matsui  
*Japanese Journal of Applied Physics*, **41**, (2002), L1013–L1015
- [54] "Trace Elemental Analysis of Drugs of Abuse Using Synchrotron Radiation Total Reflection X-Ray Fluorescence Analysis (SR-TXRF)"  
 S. Muratsu, T. Ninomiya, Y. Kagoshima, J. Matsui  
*Journal of Forensic Sciences*, **47**, (2002), 944–949
- [55] "Crystal Structure of the RuvA–RuvB Complex: A Structural Basis for the Holliday Junction Migrating Motor Machinery"  
 K. Yamada, T. Miyata, D. Tsuchiya, T. Oyama, Y. Fujiwara, T. Ohnishi, H. Iwasaki, H. Shinagawa, M. Ariyoshi, K. Mayanagi, K. Morikawa  
*Molecular Cell*, **10**, (2002), 671–681
- [2003]
- [56] "A Simple X Ray Dark- and Bright- Field Imaging Using Achromatic Laue Optics"  
 M. Ando  
*The RIGAKU Journal*, **20**, (2003), 21–24
- [57] "Structure of Bovine Sadenosine Deaminase Complexed with 6-hydroxy-1,6-dihydropurine Riboside"  
 T. Kinoshita, N. Nishio, I. Nakanishi, A. Sato, T. Fujii  
*Acta Crystallographica Section D*, **D59**, (2003), 299–303
- [58] "Measurement of Minute Local Strain in Semiconductor Materials and Electronic Devices by Using a Highly Parallel X-Ray Microbeam"  
 J. Matsui, Y. Tsusaka, K. Yokoyama, S. Takeda, M. Katou, H. Kurihara, K. Watanabe, Y. Kagoshima, S. Kimura  
*Nuclear Instruments and Methods in Physics Research Section B*, **199**, (2003), 15–18
- [59] "Intermolecular Ion Pairs Maintain the Toroidal Structure of *Pyrococcus furiosus* PCNA"  
 S. Matsumiya, S. Ishino, Y. Ishino, K. Morikawa  
*Protein Science*, **12**, (2003), 823–831
- [60] "Direct Observation of Cracks and Voids in Structural Materials by X-Ray Imaging Using Ultra-Bright Synchrotron Radiation"  
 T. Nakayama  
*ISIJ International*, **43**, (2003), 589–596
- [61] "Forensic Discrimination of Headlight Glass by Analysis of Trace Impurities with Synchrotron Radiation X-Ray Fluorescence Spectrometry and ICP-MS"  
 Y. Suzuki, M. Kasamatsu, R. Sugita, H. Ohta, S. Suzuki, Y. Marumo  
*分析化学 (Bunseki Kagaku)*, **52**, (2003), 469–474
- [62] "Pronounced Conversion of the Metal-Specific Activity of Superoxide Dismutase from *Porphyromonas gingivalis* by the Mutation of a Single Amino Acid (Gly155Thr) Located Apart from the Active Site "  
 F. Yamakura, S. Sugio, B. Yukihiro Hiraoka, D. Ohmori, T. Yokota  
*Biochemistry*, **42**, (2003), 10790–10799
- [63] "Residual Stress Evaluation by X-Rays from Synchrotron Radiation Source"  
 E. Yanase  
*Doctor Thesis (Nagoya University)*, , (2003),
- [64] "Estimation of Bonded Silicon-on-Insulator Wafers by Means of Diffractometry Using a Parallel X-Ray Microbeam"  
 Y. Tsusaka, M. Urakawa, K. Yokoyama, S. Takeda, M. Katou, H. Kurihara, F. Yoshida, K. Watanabe, Y. Kagoshima, J. Matsui  
*Nuclear Instruments and Methods in Physics Research Section B*, **199**, (2003), 19–22

[2004]

- [65] "Structural Insight into Nucleotide Recognition in Tau- Protein Kinase I/Glycogen Synthase Kinase 3  $\beta$ "  
M. Aoki, T. Yokota, I. Sugiura, C. Sasaki, T. Hasegawa, C. Okumura, K. Ishiguro, T. Kohno, S. Sugio, T. Matsuzaki  
Acta Crystallographica Section D, **60**, (2004), 439–446
- [66] "Structure of the Biotin Carboxylase Subunit of Pyruvate Carboxylase from *Aquifex Aeolicus* at 2.2Å Resolution"  
S. Kondo, Y. Nakajima, S. Sugio, Y. Jin, S. Sueda, H. Kondo  
Acta Crystallographica Section D, **60**, (2004), 486–492
- [67] "High-Spatial-Resolution Phase Measurement by Micro-Interferometry Using a Hard X-Ray Imaging Microscope"  
T. Koyama, Y. Kagoshima, I. Wada, A. Saikubo, K. Shimose, K. Hayashi, Y. Tsusaka, J. Matsui  
Japanese Journal of Applied Physics, **43**, (2004), L421–L423
- [68] "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, **D60**, (2004), 674
- [69] "Crystal Structure of the Complex of Porcine Pancreatic Elastase with TEI-8362"  
M. Takimoto-Kamimura, M. Koizumi, E. Muratani, K. Fujii  
Journal of Synchrotron Radiation, **11**, (2004), 101–104
- [70] "A Highly Potent Non-Nucleoside Adenosine Deaminase Inhibitor: Efficient Drug Discovery by Intentional Lead Hybridization"  
T. Terasaka, T. Kinoshita, M. Kuno, I. Naikanishi  
Journal of the American Chemical Society, **126**, (2004), 34–35

## BL32B2

### Refereed Journals

[2004]

- [1] "Structural basis for Allosteric Regulation of the Monomeric Allosteric Enzyme Human Glucokinase"  
K. Kamata, M. Mitsuya, T. Nishimura, J. Eiki, Y. Nagata  
Structure, **12**, (2004), 429–438
- [2] "Cloning, Expression, Purification, Crystallization and Preliminary X-Ray Analysis of Human Liver Glyceraldehyde-3-Phosphate Dehydrogenase"  
M. Warizaya, T. Kinoshita, A. Kato, H. Nakajima, T. Fujii  
Acta Crystallographica Section D, **D60**, (2004), 567–568

## BL33LEP

### Refereed Journals

[1998]

- [1] "Physics with Polarized Photons at SPring-8"  
M. Fujiwara, T. Hotta, T. Kinashi, K. Takanashi, T. Nakano, Y. Ohashi, S. Date, H. Ohkuma, N. Kumagai  
Acta Physica Polonica B, **29**, (1998), 141–156
- [2] "New Projects at SPring-8 with Multi-GeV Polarized Photons"  
T. Nakano, H. Ejiri, M. Fujiwara, T. Hotta, K. Takanashi, H. Toki, S. Hasegawa, T. Iwata, K. Okamoto, T. Murakami, J. Tamii, K. Imai, K. Maeda, K. Maruyama, S. Date, M. M. Obuti, Y. Ohashi, H. Ohkuma, N. Kumagai  
Nuclear Physics A, **629**, (1998), 559c–566c

[1999]

- [3] "Compton Back-Scattering of X-Photons from 8GeV Electrons at SPring-8"  
V. Nelyubin, M. Fujiwara, T. Nakano, B. Wojtsekhowski  
Nuclear Instruments and Methods in Physics Research Section A, **425**, (1999), 65–74
- [4] "Universal I/O Board for the Laser-Electron Photons Experiments at SPring-8"  
Y. Sugaya, M. Nomachi  
Nuclear Instruments and Methods in Physics Research Section A, **437**, (1999), 68–74