

- [49] "Polarized Total-Reflection X-Ray Absorption Fine Structure for Self-Assembled Monolayer of Zinc Porphyrin at Air-Water Interface"  
H. Tanida, H. Nagatani, I. Watanabe  
Journal of Chemical Physics, **118**, (2003), 10369–10371
- [50] "Relationship between Hydriding and Nd Magnetic Moment in  $\text{Nd}_2\text{Fe}_{14}\text{B}$ "  
J. Chaboy, C. Piquer, N. Plugaru, M. Artigas, H. Maruyama, N. Kawamura, M. Suzuki  
Journal of Applied Physics, **93**, (2003), 475–478
- [51] "Application of Synchrotron Radiation in Neuromicrobiology: Role of Iron in Parkinson's Disease"  
S. Yoshida, A. Ide-Ektessabi, S. Fujisawa  
Structural Chemistry, **14**, (2003), 85–95
- [52] "Structure, Magnetism and Transport of  $\text{La}_2\text{NiRuO}_6$ "  
K. Yoshii, H. Abe, M. Mizumaki, H. Tanida, N. Kawamura  
Journal of Alloys and Compounds, **348**, (2003), 236–240  
[2004]
- [53] "Influence of Magnetocrystalline Anisotropy on Rare-Earth  $\text{L}_{2,3}$ -Edge X-Ray Magnetic Circular Dichroism Spectra"  
J. Chaboy, H. Maruyama, N. Kawamura, M. Suzuki  
Physical Review B, **69**, (2004), 014427
- [54] "Rare-Earth Orbital Contribution to the Fe  $K$ -edge X-ray Magnetic Circular Dichroism in Rare-Earth Transition Metal Intermetallic Compounds"  
J. Chaboy, M. Laguna-Marco, M. Sanchez, H. Maruyama, N. Kawamura, M. Suzuki  
Physical Review B, **69**, (2004), 134421–1 134421–8
- [55] "Measurement of Resonant X-ray Magnetic Scattering from Induced Cu Polarizations in Exchange-Coupled Co/Cu Multilayers"  
Y. Hayasaki, K. Ishiji, H. Hashizume, N. Hosoi, K. Omote, M. Kurabayashi, G. Srajer, J. C. Lang, D. Haskel  
Journal of Physics: Condensed Matter, **16**, (2004), 1915–1925
- [56] "Temperature Dependence of the Ho  $\text{L}_{2,3}$ -edges XMCD Spectra in  $\text{Ho}_6\text{Fe}_{23}$ "  
L. Maria, J. Chaboy, H. Maruyama  
Physica B, **345**, (2004), 197
- [57] "X-Ray Magnetic Circular Dichroism and Structural Model for Co-Doped  $\text{TiO}_2$  (Anatase) Thin Film"  
N. Shimizu, S. Sasaki, T. Hanashima, K. Yamawaki, H. Udagawa, N. Kawamura, M. Suzuki, H. Maruyama, M. Murakami, Y. Matsumoto, H. Koinuma  
Journal of the Physical Society of Japan, **73**, (2004), 800–803

## BL40XU

### Refereed Journals

[1999]

- [1] "Muscle Contraction: Challenges for Synchrotron Radiation"  
K. Wakabayashi, N. Yagi  
Journal of Synchrotron Radiation, **6**, (1999), 875–890

[2001]

- [2] "Downsizing of Johansson Spectrometer for X-Ray Fluorescence Trace Analysis with Brilliant Undulator Source"  
K. Sakurai, H. Eba, K. Inoue, N. Yagi  
Nuclear Instruments and Methods in Physics Research Section A, **467–468**, (2001), 1549–1552
- [3] "In-Vacuum X-Ray Helical Undulator for High Flux Beamline at SPring-8"  
T. Hara, T. Tanaka, T. Seike, T. Bizen, X. Marechal, T. Kohda, K. Inoue, T. Oka, T. Suzuki, N. Yagi, H. Kitamura  
Nuclear Instruments and Methods in Physics Research Section A, **467–468**, (2001), 165–168
- [4] "Present Status of High Flux Beamline (BL40XU) at SPring-8"  
K. Inoue, T. Oka, T. Suzuki, N. Yagi, K. Takeshita, S. Goto, T. Ishikawa  
Nuclear Instruments and Methods in Physics Research Section A, **467–468**, (2001), 674–677

[2002]

- [5] "Structural Development of Natural Rubber during Uniaxial Stretching by in situ Wide Angle X-Ray Diffraction Using a Synchrotron Radiation"  
S. Murakami, K. Senoo, S. Toki, S. Kohjiya  
*Polymer*, **43**, (2002), 2117–2120
- [6] "New Insights into Structural Development in Natural Rubber during Uniaxial Deformation by In situ Synchrotron X-Ray Diffraction"  
S. Toki, I. Sics, S. Ran, L. Liu, Benjamin S. Hsiano, S. Murakami, K. Senoo, S. Kohjiya  
*Macromolecules*, **35**, (2002), 6578–6584
- [2003]
- [7] "An X-Ray Diffraction Study on Early Structural Changes in Skeletal Muscle Contraction"  
N. Yagi  
*Biophysical Journal*, **84**, (2003), 1093–1102
- [8] "Changes in Photoluminescence of SrS:Ce Induced by Synchrotron Radiation"  
F. Sato, T. Nakamura, K. Tanaka, S. Aihara, N. Saito, K. Inoue, N. Yagi, J. Mizuki  
*Journal of Vacuum Science & Technology A*, **21**, (2003), 14–18
- [2004]
- [9] "Detection Limits of Trace Elements for Wavelength Dispersive Total X-Ray Fluorescence under High Flux Synchrotron Radiation"  
N. Awaji, M. Takemura, S. Ozaki, J. Iihara, K. Inoue, N. Yagi, S. Komiya, K. Nomura, S. Doi, Y. Kamimuta, M. Takahashi, K. Miyatake, N. Yamazaki  
*Japanese Journal of Applied Physics*, **43**, (2004), 1644–1648
- [10] "X-ray Diffraction from a Left Ventricular Wall of Rat Heart"  
N. Yagi, J. Shimizu, S. Mohri, J. Araki, K. Nakamura, H. Okuyama, H. Toyota, T. Morimoto, Y. Morizane, M. Kurusu, T. Miura, K. Hashimoto, K. Tsujioka, H. Suga, F. Kajiyama  
*Biophysical Journal*, **86**, (2004), 2286–2294

## BL40B2

### Refereed Journals

[1999]

- [1] "Crystallization and Preliminary X-ray Diffraction Studies of C4-form Phosphoenolpyruvate Carboxylase from Maize."  
H. Matsumura  
*Acta Crystallographica Section D*, **55**, (1999), 1937–1938
- [2000]
- [2] "Crystallization of the F41 Fragment of Flagellin and Data Collection from Extremely Thin Crystals"  
Fadel A. Samatey, K. Imada, F. Vonderviszt, Y. Shirakihara, K. Namba  
*Journal of Structural Biology*, **132**, (2000), 106–111
- [2001]
- [3] "Crystal Structure of *cis*-Prenyl Chain Elongating Enzyme, Undecaprenyl Diphosphate Synthase"  
M. Fujihashi, Y. Zhang, Y. Higuchi, X. Li, T. Koyama, K. Miki  
*Proceedings of the National Academy of Sciences of the United States of America*, **98**, (2001), 4337–4342
- [4] "Crystal Structure of Thermostable DNA Photolyase: Pyrimidine-Dimer Recognition Mechanism"  
H. Komori, R. Masui, S. Kuramitsu, S. Yokoyama, T. Shibata, Y. Inoue, K. Miki  
*Proceedings of the National Academy of Sciences of the United States of America*, **98**, (2001), 13560–13565
- [5] "Crystallization and Preliminary X-Ray Studies of a Thermostable DNA Photolyase from *Thermus thermophilus* HB8"  
H. Komori, H. Tsujiuchi, R. Masui, S. Kutamitsu, S. Yokoyama, T. Shibata, Y. Inoue, K. Miki  
*Protein and Peptide Letters*, **8**, (2001), 495–498
- [6] "Purification and Crystallization of Japanese Pear S-RNase Associated with Gametophytic Self-Incompatibility"  
T. Matsuura, M. Unno, H. Sakai, T. Tsukihara, S. Norioka  
*Acta Crystallographica Section D*, **57**, (2001), 172–173