

- [27] "‘Six-Beam X-Ray Section Topograph’ Images and Computer-Simulated Images Using the New n -Beam Dynamical Theory Based on the Takagi-Taupin Equations"
 K. Okitsu, Y. Imai, Y. Ueji, Y. Yoda
Acta Crystallographica Section A, **A59**, (2003), 311–316
- [28] "Structural Analysis of Bismuth Nanowire by X-Ray Standing Wave Method"
 A. Saito, K. Matoba, T. Kurata, J. Maruyama, Y. Kuwahara, K. Miki, M. Aono
Japanese Journal of Applied Physics, **42**, (2003), 2408–2411
- [29] "Studies on Nuclear Resonant Scattering of Synchrotron Radiation by ^{40}K "
 M. Seto
Structural Chemistry, **14**, (2003), 121–128
- [30] "Three-Dimensional Reconstruction of Atoms in Surface X-Ray Diffraction"
 K. Sumitani, T. Takahashi, S. Nakatani, A. Nojima, O. Sakata, Y. Yoda, S. Koh, T. Irisawa, Y. Shiraki
Japanese Journal of Applied Physics, **42**, (2003), L189–L191
- [31] "X-Ray Stress Measurement of Solid Oxide Fuel Cell Using Synchrotron Radiation"
 H. Yakabe, Y. Baba, Y. Matsuzaki, Y. Yoda
Materials (Journal of the Society of Materials Science Japan), **52**, (2003), 89–94
- [32] "A Phase Retrieval Method for Noncrystalline Layers on Crystal Surfaces"
 W. Yashiro, K. Sumitani, Y. Yoda, T. Takahashi
Japanese Journal of Applied Physics, **42**, (2003),
- [33] "Nuclear Excitation of $^{127}\text{Iodine}$ using Synchrotron Radiation"
 Y. Yoda, S. Kishimoto, X. W. Zhang, M. Seto, S. Kikuta
Hyperfine Interactions, **5**, (2003), 17–20
- [2004]
- [34] "Accelerated Decay of the 31-yr Isomer of Hf-178 Induced by Low-Energy Photons and Electrons"
 C. Collins, N. Zoita, F. Davanloo, S. Emura, Y. Yoda, T. Uruga, B. Patterson, B. Schmitt, J. Pouvesle, I. Popescu, V. Kirischuk, N. Strilchuk
Laser Physics, **14**, (2004), 154–165
- [35] "New Method to Characterize Mesoscopic Range and Very Small Strain with using Multi-Wave X-ray Diffraction"
 W. Yashiro
Surface Science, **550**, (2004), 93–105

BL10XU

Refereed Journals

[1998]

- [3] "Pressure-Induced Metallization and Structural Transition of Rhombohedral Se"
 H. Kawamura, N. Matsui, I. Nakahata, K. Nakano, M. Kobayashi, Y. Akahama, K. Nagata, Y. Miyamoto
Solid State Communications, **108**, (1998), 677–680
- [4] "Structural Studies of NbI_4 at High Pressures"
 H. Kawamura, N. Matsui, I. Nakahata, M. Kobayashi, Y. Akahama, I. Shirotani
Solid State Communications, **108**, (1998), 919–921

[1999]

- [5] "Simple-Cubic-Simple-Hexagonal Transition in Phosphorus under Pressure"
 Y. Akahama, M. Kobayashi, H. Kawamura
Physical Review B, **59**, (1999), 8520–8525
- [6] "The Optically Active Center and Its Activation Process in Er-Doped Si Thin Film Produced by Laser Ablation"
 M. Ishii, T. Ishikawa, T. Ueki, S. Komuro, T. Morikawa, Y. Aoyagi, H. Oyanagi
Journal of Applied Physics, **85**, (1999), 4024–4031
- [7] "Site-Selective X-Ray Absorption Fine Structure: Selective Observation of Ga local Structure in DX Center of $\text{Al}_{0.33}\text{Ga}_{0.67}\text{As:Se}$ "
 M. Ishii, Y. Yoshino, K. Takarabe, O. Shimomura
Applied Physics Letters, **74**, (1999), 2672–2674
- [8] "XANES Analysis of Optical Activation Process of Er in Si: Er_2O_3 Thin Film: Electronic and Structural Modifications around Er"
 M. Ishii, S. Komuro, T. Morikawa, Y. Aoyagi, T. Ishikawa, T. Ueki
Japanese Journal of Applied Physics, **38 Suppl. 38-1**, (1999), 191–194

- [9] "The Optically Active Center of Er-Doped Si Produced by Laser Ablation"
 M. Ishii, S. Komuro, T. Morikawa, Y. Aoyagi, H. Oyanagi, T. Ishikawa, T. Ueki
Journal of Synchrotron Radiation, **6**, (1999), 477–479
- [10] "Direct Observation of Local Structure of DX Center by Capacitance X-Ray Absorption Fine Structure"
 M. Ishii, Y. Yoshino, K. Takarabe, O. Shimomura
Physica B, **273–274**, (1999), 774–777
- [11] "XANES Study of Rare-Earth Valency in LRu_4P_{12} (L =Ce and Pr)"
 C. H. Lee, H. Oyanagi, C. Sekine, I. Shirotani, M. Ishii
Physical Review B, **60**, (1999), 13253–13256
- [12] "Structural Studies of Solid Methane at High Pressures"
 I. Nakahata, N. Matsui, Y. Akahama, H. Kawamura
Chemical Physics Letters, **302**, (1999), 359–362
- [13] "Static Compression of Ti_3SiC_2 to 61 GPa"
 A. Onodera, H. Hirano, T. Yuasa, N. F. Gao, Y. Miyamoto
Applied Physics Letters, **74**, (1999), 3782–3784
- [14] "X-Ray, Raman and Photoluminescence Study of Vacancy Ordered β - Ga_2Se_3 under High Pressure"
 M. Takumi, Y. Koshio, K. Nagata
Physica Status Solidi B, **211**, (1999), 123–129
- [2000]
- [15] "Optical and Structural Studies of Solid Oxygen High-Pressure Phases"
 Y. Akahama, H. Kawamura, S. Carlson, T. Le Bihan, D. Hausermann
Science and Technology of High Pressure (Proceeding of AIRAPT-17), **1**, (2000), 356–359
- [16] "Structural Transitions in Phosphorus to 280 GPa"
 Y. Akahama, H. Kawamura, S. Carlson, T. Le Bihan, D. Hausermann, O. Shimomura
Science and Technology of High Pressure (Proceeding of AIRAPT-17), **1**, (2000), 463–466
- [17] "Crystal Structure of NiO under High Pressure"
 T. Eto, E. Endo, M. Imai, Y. Katayama, T. Kikegawa
Physical Review B, **61**, (2000), 14984–14988
- [18] "X-Ray Induced Photoemission of a Localized Electron and Its Application to Site-Selective X-Ray Absorption Fine Structure Measurement"
 M. Ishii, Y. Yoshino, K. Takarabe, O. Shimomura
Journal of Applied Physics, **88**, (2000), 3962–3967
- [19] "Site-Selective X-Ray Absorption Fine Structure (XAFS) Spectroscopy (2). XAFS Spectra Tuned to Surface Active Sites of Cu/ZnO and Cr/SiO₂ Catalysts"
 Y. Izumi, H. Nagamori
Bulletin of the Chemical Society of Japan, **73**, (2000), 1581–1587
- [20] "Site-Selective X-Ray Absorption Fine Structure (XAFS) Spectroscopy. (1) Design of Fluorescence Spectrometer and Emission Spectra"
 Y. Izumi, H. Oyanagi, H. Nagamori
Bulletin of the Chemical Society of Japan, **73**, (2000), 2017–2023
- [21] "Ruby Scale at Low Temperature Calibrated by the NaCl Gauge: Wavelength Shift of Ruby R1 Fluorescence Line"
 K. Nakano, Y. Akahama, Y. Ohishi, H. Kawamura
Japanese Journal of Applied Physics, **39**, (2000), 1249–1251
- [22] "Ruby Scale at Low Temperature Calibrated by the NaCl Gauge"
 K. Nakano, N. Matsui, I. Nakahata, Y. Akahama, Y. Ohishi, H. Kawamura
Science and Technology of High Pressure (Proceeding of AIRAPT-17), **2**, (2000), 1081–1084
- [23] "Rapid and Sensitive XAFS Using a Tunable X-Ray Undulator at BL10XU of SPring-8"
 H. Oyanagi, M. Ishii, C. Lee, Naurang L. Saini, Y. Kuwahara, A. Saito, Y. Izumi, H. Hashimoto
Journal of Synchrotron Radiation, **7**, (2000), 89–94
- [24] "High-Pressure X-Ray-Diffraction Study of α -AlPO₄"
 Surinder M. Sharma, N. Garg, S. K. Sikka
Physical Review B, **62**, (2000), 8824–8827
- [25] "High Pressure Phase Transformations in α -AlPO₄: an X-Ray Diffraction Investigation"
 Surinder M. Sharma, N. Garg, S. K. Sikka
Journal of Physics: Condensed Matter, **12**, (2000), 6683–6692
- [26] "Isothermal Compressibility of Hydrous Ringwoodite and Its Relation to the Mantle Discontinuities"
 H. Yusa, T. Inoue, Y. Ohishi
Geophysical Research Letters, **27**, (2000), 413–416

[2001]

- [27] "Structural Phase Transitions of Solid Oxygen at Low Temperature and High Pressure"
Y. Akahama, H. Kawamura, O. Shimomura
Physical Review B, **64**, (2001), 054105
- [28] "New δ (Distorted-bcc) Titanium to 220 GPa"
Y. Akahama, H. Kawamura, T. Bihan
Physical Review Letters, **87**, (2001), 275503
- [29] "Local-Structure Analysis Around Dopant Atoms Using Multiple Energy X-Ray Holography"
K. Hayashi, M. Matsui, Y. Awakura, T. Kaneyoshi, H. Tanida, M. Ishii
Physical Review B, **63**, (2001), 041201
- [30] "Local Structure Analysis of GaAs: Zn by X-Ray Fluorescence Holography Using Multi-Element SSD"
K. Hayashi, M. Matsui, Y. Awakura, T. Kaneyoshi, H. Tanida, M. Ishii
International Symposium on Physics in Local Lattice Distortions (AIP Conference Proceedings 554),
CP554, (2001), 498–502
- [31] "High-Pressure Phase Transition in AlSb"
H. Hirano, S. Uehara, A. Mori, A. Onodera, K. Takemura, O. Shimomura, Y. Akahama, H. Kawamura
Journal of Physics and Chemistry of Solids, **62**, (2001), 941–949
- [32] "Local Structure Analysis of an Optically Active Center in Er-Doped ZnO Thin Film"
M. Ishii, S. Komuro, T. Morikawa, Y. Aoyagi
Journal of Applied Physics, **89**, (2001), 3679–3684
- [33] "Capacitance XAFS Method: X-Ray Absorption Spectroscopy of Low-Dimensional Structures"
M. Ishii
Journal of Synchrotron Radiation, **8**, (2001), 331–333
- [34] "Capacitance X-Ray Absorption Fine Structure Method Using Dopant Photoionization: X-Ray Absorption Spectroscopy of \sim nm Thickness Channel in Semiconductor Devices"
M. Ishii
Japanese Journal of Applied Physics, **40**, (2001), 7129–7134
- [35] "Capacitance X-Ray Absorption Fine Structure Measurement Using Scanning Probe A New Method for Local Structure Analysis of Surface Defects"
M. Ishii
Physica B, **308–310**, (2001), 1153–1156
- [36] "Site-Selective XAFS Spectroscopy Tuned to Surface Active Sites of Cu/ZnO and Cr/SiO₂ Catalysts"
Y. Izumi, H. Nagamori, F. Kiyotaki, T. Minato
Journal of Synchrotron Radiation, **8**, (2001), 605–607
- [37] "Site-Selective XAFS Spectroscopy Tuned to Surface Active Sites of Copper Catalysts"
Y. Izumi, F. Kiyotaki, H. Nagamori, T. Minato
Journal of Electron Spectroscopy and Related Phenomena, **119**, (2001), 193–199
- [38] "High-Pressure X-Ray Diffraction of Icosahedral Zr-Al-Ni-Cu-Ag Quasicrystals"
J. Z. Jiang, K. Saksl, H. Rasmussen, T. Watanuki, N. Ishimatsu, O. Shimomura
Applied Physics Letters, **79**, (2001), 1112–1114
- [39] "Synthesis of Crystalline Carbon Nitride Thin Films by Electron Cyclotron Resonance Sputtering Method"
E. Kamijo, Y. Aoi, M. Hisa, K. Tamaoka, W. Utsumi, T. Watanuki, K. Yamaguchi
Proceedings of 2000 Powder Metallurgy World Congress, , (2001), 1320–1323
- [40] "X-Ray Powder Diffraction from Solid Deuterium"
H. Kawamura, Y. Akahama, S. Umemoto, K. Takemura, Y. Ohishi, O. Shimomura
Solid State Communications, **119**, (2001), 29–32
- [41] "Pressure-Induced Metallization and Structural Transition of Orthorhombic Se"
K. Nakano, Y. Akahama, H. Kawamura, M. Takumi, K. Nagata
Physica Status Solidi B, **223**, (2001), 397–400
- [42] "Refractive X-Ray lens for High Pressure Experiments at SPring-8"
Y. Ohishi, A. Q. R. Baron, M. Ishii, T. Ishikawa, O. Shimomura
Nuclear Instruments and Methods in Physics Research Section A, **467–468**, (2001), 962–965
- [43] "Compressibility of the MgB₂ Superconductor"
K. Prassides, Y. Iwasa, T. Ito, H. Dam, K. Uehara, E. Nishibori, M. Takata, M. Sakata, Y. Ohishi, O. Shimomura, T. Muranaka, J. Akimitsu
Physical Review B, **64**, (2001), 012509

- [44] "Compressibility of the MgB₂ Superconductor"
 K. Prassides, Y. Iwasa, T. Ito, H. Dam, K. Uehara, E. Nishibori, M. Takata, M. Sakata, Y. Ohishi, O. Shimomura, T. Muranaka, J. Akimitsu
Physical Review B, **64**, (2001), 012509
- [45] "Pressure-Induced Phase Transformation and Structural Resilience of Single-Wall Carbon Nanotube Bundles"
 Surinder M. Sharma, S. Karmakar, S. K. Sikka, Pallavi V. Teredesai, A. K. Sood, A. Govindaraj, C. N. R. Rao
Physical Review B, **63**, (2001), 205417
- [46] "Structural Phase Transitions of Ga₂Se₃ and GaSe under High Pressure"
 M. Takumi, A. Hirata, T. Ueda, Y. Koshio, H. Nishimura, K. Nagata
Physica Status Solidi B, **223**, (2001), 423–426
- [47] "X-Ray Absorption Spectroscopy of Diluted System by Undulator Photon Source and Mult-Element Solid-State Detector"
 H. Tanida, M. Ishii
Nuclear Instruments and Methods in Physics Research Section A, **467–468**, (2001), 1564–1567
 [2002]
- [48] "X-Ray Powder Diffraction Study of CS₂ at High Pressures"
 Y. Akahama, Y. Minamoto, H. Kawamura
Journal of Physics: Condensed Matter, **14**, (2002), 10457–10460
- [49] "A New Distorted Body-Centred Cubic Phase of Titanium (δ -Ti) at Pressures up to 220 GPa"
 Y. Akahama, H. Kawamura, T. Bihan
Journal of Physics: Condensed Matter, **14**, (2002), 10583–10588
- [50] "Refinement of X-Ray Fluorescence Holography for Determination of Local Atomic Environment"
 K. Hayashi, Y. Takahashi, E. Matsubara
Materials Transactions, **43**, (2002), 1464–1468
- [51] "Evidence for a Ferromagnetic Transition in Yb_{1-x}La_xB₆ (0 ≤ x ≤ 0.006)"
 F. Iga, Y. Ueda, T. Takabatake, T. Suzuki, W. Higemoto, K. Nishiyama, H. Kawanaka
Physical Review B, **65**, (2002), 220408
- [52] "Site-Specific X-Ray Absorption Spectroscopy of Electron Traps by X-Ray-Induced Displacement Current Measurement"
 M. Ishii
Physical Review B, **65**, (2002), 085310
- [53] "X-Ray Absorption Fine Structure Measurement Using a Scanning Capacitance Microscope: Trial for Selective Observation of Trap Centers in the nm Region"
 M. Ishii
Japanese Journal of Applied Physics, **41**, (2002), 4415–4418
- [54] "Monitoring of Trace Amounts of Lead on an Adsorbent by X-Ray Absorption Spectroscopy Combined with a Fluorescence Spectrometer"
 Y. Izumi, F. Kiyotaki, Y. Seida
The Journal of Physical Chemistry B, **106**, (2002), 1518–1520
- [55] "X-Ray Absorption Fine Structure Combined with Fluorescence Spectrometry for Monitoring Trace Amounts of Lead Adsorption in the Environmental Conditions"
 Y. Izumi, F. Kiyotaki, T. Minato, Y. Seida
Analytical Chemistry, **74**, (2002), 3819–3823
- [56] "X-Ray Powder Diffraction from Solid Deuterium"
 H. Kawamura, Y. Akahama, S. Umemoto, K. Takemura, Y. Ohishi, O. Shimomura
Journal of Physics: Condensed Matter, **14**, (2002), 10407–10410
- [57] "High-Pressure Structural Analysis of (Nd,Sm)_{1/2}Sr_{1/2}MnO₃: Origin for Pressure-Induced Charge Ordering"
 A. Kuriki, Y. Moritomo, A. Machida, E. Nishibori, M. Takata, M. Sakata, Y. Ohishi, O. Shimomura, A. Nakamura
Physical Review B, **65**, (2002), 113105
- [58] "Size-Selective Extended X-Ray Absorption Fine Structure Spectroscopy of Free Selenium Clusters"
 K. Nagaya, M. Yao, T. Hayakawa, Y. Ohmura, Y. Kajihara, M. Ishii, Y. Katayama
Physical Review Letters, **89**, (2002), 243401
- [59] "X-Ray Diffraction Study of Be to Megabar Pressure"
 K. Nakano, Y. Akahama, H. Kawamura
Journal of Physics: Condensed Matter, **14**, (2002), 10569–10573

- [60] "Phase Boundary between Rutile-Type and CaCl_2 -Type Germanium Dioxide Determined by in situ X-Ray Observations"
 S. Ono, K. Hirose, N. Nishiyama, M. Isshiki
American Mineralogist, **87**, (2002), 99–102
- [61] "Post-Stishovite Phase Boundary in SiO_2 Determined by in situ X-Ray Observations"
 S. Ono, K. Hirose, M. Murakami, M. Isshiki
Earth and Planetary Science Letters, **197**, (2002), 187–192
- [62] "Equation of State of Hexagonal Aluminous Phase in Basaltic Composition to 63 GPa at 300 K"
 S. Ono, K. Hirose, M. Isshiki, K. Mibe, Y. Saito
Physics and Chemistry of Minerals, **29**, (2002), 527–531
- [63] "Structural Studies of $\beta\text{-O}_2$ under Pressure"
 E. Uemura, Y. Akahama, H. Kawamura, T. Le Bihan, T. Shobu, Y. Noda, O. Shimomura
Journal of Physics: Condensed Matter, **14**, (2002), 10423–10428
- [64] "X-Ray Diffraction Measurements for Solid Methane at High Pressures"
 S. Umemoto, T. Yoshii, Y. Akahama, H. Kawamura
Journal of Physics: Condensed Matter, **14**, (2002), 10675–10678
- [65] "High-Pressure Structural Analysis of Fe_3O_4 "
 A. Kuriki, Y. Moritomo, Y. Ohishi, K. Kato, E. Nishibori, M. Takata, M. Sakata, N. Hamada, S. Todo, N. Mori, O. Shimomura, A. Nakamura
Journal of the Physical Society of Japan, **71**, (2002), 3092–3093
- [66] "High-Pressure Study on the Superconducting Pyrochlore Oxide $\text{Cd}_2\text{Re}_2\text{O}_7$ "
 Z. Hiroi, T. Yamauchi, T. Yamada, M. Hanawa, Y. Ohishi, O. Shimomura, M. Abliz, M. Hedo, Y. Uwatoko
Journal of the Physical Society of Japan, **71**, (2002), 1553–1557
- [67] "Phase Transitions of Solid CF_4 at High Pressures"
 D. Shindo, T. Yoshii, Y. Akahama, H. Kawamura
Journal of Physics: Condensed Matter, **14**, (2002), 10653–10656
- [68] "Equation of State of CeCu_2Ge_2 at Cryogenic Temperature"
 A. Onodera, S. Tsuduki, Y. Ohishi, T. Watanuki, K. Ishida, Y. Kitaoka, Y. Onuki
Solid State Communications, **123**, (2002), 113–116
- [2003]
- [69] "Pressure-Induced Structural Phase Transition in Fullerides Doped with Rare-Earth Metals"
 H. Dam, Y. Iwasa, K. Uehara, T. Takenobu, T. Ito, T. Mitani, E. Nishibori, M. Takata, M. Sakata, Y. Ohishi, K. Kato, Y. Kubozono
Physical Review B, **67**, (2003), 094101
- [70] "Peculiar Structure of X-Ray Standing Wave Lines of Si:As"
 K. Hayashi, Y. Takahashi, E. Matsubara, M. Takemura, I. Mizushima, H. Tanida, M. Ishii
Nuclear Instruments and Methods in Physics Research Section B, **199**, (2003), 382–385
- [71] "Double Resonance Capacitance Spectroscopy (DORCAS): A New Experimental Technique for Assignment of X-Ray Absorption Peaks to Surface Sites of Semiconductor"
 M. Ishii
Nuclear Instruments and Methods in Physics Research Section B, **199**, (2003), 205–210
- [72] "X-Ray Absorption Fine Structure Utilizing a Fluorescence Spectrometer: Site Selective Structure Determination of Environmental Catalysts and Adsorbents"
 Y. Izumi, F. Kiyotaki, H. Nagamori, T. Minato
Studies in Surface Science and Catalysis, **145**, (2003), 177–180
- [73] "Physical Pressure Effect on the Charge-Ordering Transition of $\text{BaSmFe}_2\text{O}_{5.0}$ "
 Y. Moritomo, M. Hanawa, Y. Ohishi, K. Kato, J. Nakamura, M. Karppinen, H. Yamauchi
Physical Review B, **68**, (2003), 060101
- [74] "Pressure- and Photoinduced Metastable Structure in $\text{RbMn}[\text{Fe}(\text{CN})_6]$ "
 Y. Moritomo, M. Hanawa, Y. Ohishi, K. Kato, M. Takata, A. Kuriki, E. Nishibori, M. Sakata, S. Ohkoshi, H. Tokoro, K. Hashimoto
Physical Review B, **68**, (2003), 144106
- [75] "Stability of CaCl_2 -Type and $\alpha\text{-PbO}_2$ -Type SiO_2 at High Pressure and Temperature Determined by in-situ X-Ray Measurements"
 M. Murakami, K. Hirose, S. Ono, Y. Ohishi
Geophysical Research Letters, **30**, (2003), 11

- [76] "EXAFS-PEPICO Synchronous Measurements for the Size-Selective Structure Analysis of Neutral Free Cluster"
 K. Nagaya
Journal of the Physical Society of Japan, **72**, (2003), 501
- [77] "High-Pressure Form of Pyrite-Type Germanium Dioxide"
 S. Ono, T. Tuchiya, K. Hirose, Y. Ohishi
Physical Review B, **68**, (2003), 014103
- [78] "Phase Transition between the CaCl_2 -Type and $\alpha\text{-PbCl}_2$ -Type Strucutre of Germanium Dioxide"
 S. Ono
Physical Review B, **86**, (2003), 134108
- [79] "Structural Refinements of High-Pressure Phases in Germanium Dioxide"
 K. Shiraki, T. Tsuchiya, S. Ono
Acta Crystallographica Section B, **B59**, (2003), 701-708
- [80] "Performance of a Synthetic Diamond Backing-Plate for the Diamond-Anvil Cell at Ultrahigh Pressures"
 K. Takemura, S. Nakano
Review of Scientific Instruments, **74**, (2003), 3017-3020
- [81] "Strips and Superconductivity on HTSC Copper Oxides"
 S. Titova, Vladimir F. Balakirev, Y. Ohishi, I. Bryntse, Dmitrii I. Kochubey
Physica C, **388-389**, (2003), 215-216
- [82] "Hole-doping and Pressure Effects on the Metal-Insulator Transition in Single Crystals of $\text{Y}_{1-x}\text{Ca}_x\text{TiO}_3$ ($0.37 \leq x \leq 0.41$)"
 M. Tsubota, I. Fumitoshi, N. Toshihiro, U. Kazuyuki, K. Souichiro, T. Masaki, B. Yoshio, U. Kazunori, T. Toshio, E. Nishibori, T. Masaki, S. Makoto, K. Kato, O. Yasuo
Journal of the Physical Society of Japan, **72**, (2003), 3182-3188
- [83] "High-Pressure Structural Analysis of Mn_3O_4 "
 Y. Moritomo, Y. Ohishi, A. Kuriki, E. Nishibori, M. Takata, M. Sakata
Journal of the Physical Society of Japan, **72**, (2003), 765-766
- [84] "Pressure-Induced Magnetic Transition in Fe_4N Probed by Fe K-edge XMCD Measurement"
 N. Ishimatsu, H. Maruyama, N. Kawamura, M. Suzuki, Y. Ohishi, M. Ito, S. Nasu, T. Kawakami, O. Shimomura
Journal of the Physical Society of Japan, **72**, (2003),
 [2004]
- [85] "A Comparison of Volume Compressions of Silver and Gold up to 150 GPa"
 Y. Akahama, H. Kawamura, Anil K. Singh
Journal of Applied Physics, **95**, (2004), 4767-4771
- [86] "Stability of Magnesite and Its High-Pressure Form in the Lowermost Mantle"
 M. Isshiki, T. Irifune, K. Hirose, S. Ono, Y. Ohishi, T. Watanuki, E. Nishibori, M. Takata, M. Sakata
Nature, **427**, (2004), 60-63
- [87] "Hydrogen Ordering in Rhenium Hydride: anti- CdI_2 Type Structure of $\text{ReH}_{0.36}$ "
 H. Kawamura, M. Harada, Y. Akahama, K. Takemura
Solid State Communications, **130**, (2004), 59-62
- [88] "Pressure Effect on Charge-Ordering Transition of YBaCo_2O_5 "
 Y. Moritomo, M. Hanawa, S. Xu, H. Ishikawa, Y. Ohishi, K. Kato, T. Honma, P. Keren, M. Karppinen, H. Yamauchi
Physical Review B, **69**, (2004), 134118

BL13XU

Refereed Journals

[2003]

- [1] "Evaluation of Internal Stresses in Single-, Double- and Multi-Layered TiN and TiAlN Thin Films by Synchrotron Radiation"
 T. Hanabusa, K. Kusaka, T. Matsue, M. Nishida, O. Sakata, T. Sato
Proceedings of International Conference on Advanced Technology in Experimantal Mechanics 2003, Sep., (2003),