

- [41] "Magnetic Compton Scattering Study of CeRh₃B₂"
Y. Sakurai, M. Ito, J. Tanuma, S. Nanao, A. Thamizhavel, Y. Inada, A. Galatanu, E. Yamamoto, Y. Onuki
Journal of Physics: Condensed Matter, **15**, (2003), S2183 – S2186
[2004]
- [42] "Change in Mn 3d Orbital State Related to a Metal-Insulator Transition in a Bilayer Manganite Studied by Magnetic Compton Profile Measurement"
A. Koizumi, T. Nagao, Y. Kakutani, N. Sakai, K. Hirota, Y. Murakami
Physical Review B, **69**, (2004), 060401(R)
- [43] "Direct Observation of the Multisheet Fermi Surface in the Strongly Correlated Transition Metal Compound ZrZn₂"
Z. Major
Physical Review Letters, **92**, (2004), 107003

BL09XU

Refereed Journals

- [1999]
- [1] "Inelastic Nuclear Resonant Scattering of FeCl₃-Graphite Intercalation Compounds"
S. Kitao, T. Mitsui, T. Harami, Y. Yoda, M. Seto
Japanese Journal of Applied Physics, **38 Suppl. 38-1**, (1999), 535-537
- [2] "High-Pressure Mössbauer Study of FeS with Nuclear Forward Scattering of Synchrotron Radiation"
H. Kobayashi, Y. Yoda, T. Kamimura
Japanese Journal of Applied Physics, **38 Suppl. 38-1**, (1999), 408-411
- [3] "Nuclear Resonant Scattering of Ferromagnetic Amorphous Ribbon"
Y. Kobayashi, S. Nasu, T. Nakamichi, M. Sato, M. Seto, Y. Yoda
Japanese Journal of Applied Physics, **38 Suppl. 38-1**, (1999), 412-414
- [4] "Experimental Study of the Influence of Magnetic Phase Transition on the Mössbauer Time Spectra of the Nuclear Forward Scattering"
T. Mitsui, S. Kitao, M. Seto, Y. Yoda, S. Kikuta
Journal of the Physical Society of Japan, **68**, (1999), 4049-4050
- [5] "Analysis of Ordered Structure of Buried Oxide Layers in Simox Wafers"
T. Shimura, T. Hosoi, M. Umeno
Proceedings of the Ninth International Symposium on Silicon-on-Insulator Technology and Devices, **99-3**, (1999), 155-160
- [2000]
- [6] "Dynamics of Fe Cations in Nafion Membranes Studied by Nuclear Resonant Quasielastic Scattering of Synchrotron Radiation"
R. Haruki, M. Seto, S. Kitao, Y. Yoda, Y. Maeda
Journal of the Physical Society of Japan, **69**, (2000), 4049-4054
- [7] "Observation of Nuclear Excitation by Electron Transition in ¹⁹⁷Au with Synchrotron X Rays and an Avalanche Photodiode"
S. Kishimoto, Y. Yoda, M. Seto, Y. Kobayashi, S. Kitao, R. Haruki, T. Kawauchi, K. Fukutani, T. Okano
Physical Review Letters, **85**, (2000), 1831-1834
- [8] "Local Vibrational Densities of States of Dilute Fe Atoms in Al and Cu Metals"
M. Seto, Y. Kobayashi, S. Kitao, R. Haruki, T. Mitsui, Y. Yoda, S. Nasu, S. Kikuta
Physical Review B, **61**, (2000), 11420-11424
- [9] "Characterization of SOI Wafers by X-Ray CTR Scattering"
T. Shimura, T. Hosoi, M. Umeno
Journal of Crystal Growth, **210**, (2000), 98-101
- [10] "Epitaxially Ordered Structure in the Buried Oxide Layer of SIMOX Wafers"
T. Shimura, T. Hosoi, M. Umeno
The Physics and Chemistry of SiO₂ and the Si-SiO₂ Interface-4, 2000: Proceedings of the Fourth International Symposium on the Physics and Chemistry of SiO₂ and the Si-SiO₂ Interface, **2000-2**, (2000), 241-249
- [2001]
- [11] "Vibrational Dynamics of Some Amorphous and Quasicrystalline Alloys"
A. Gupta, P. Shah, N. P. Lalla, B. A. Dasannacharya, T. Harami, Y. Yoda, M. Seto, M. Yabashi, S. Kikuta
Materials Science and Engineering A, **304-306**, (2001), 731-734

- [12] "Nuclear Resonant Quasielastic Scattering from Fe Cations in Nafion Membranes: Effect of Dynamics in a Short Time Range"
R. Haruki, M. Seto, S. Kitao, Y. Kobayashi, Y. Yoda, T. Mitsui, Y. Maeda
Journal of the Physical Society of Japan, **70**, (2001), 445–448
- [13] "Mössbauer Spectroscopic Study of FeS under Pressure Using Synchrotron Radiation"
H. Kobayashi, Y. Yoda, T. Kamimura
Journal of the Physical Society of Japan, **70**, (2001), 1128–1132
- [14] "Site-Specific Phonon Density of States Discerned using Electronic States"
M. Seto, S. Kitao, Y. Kobayashi, R. Haruki, Y. Yoda, T. Mitsui, T. Ishikawa
Physical Review Letters, **91**, (2001), 185505-1 – 185505-4
- [15] "Nuclear Resonant Scattering Beamline at SPring-8"
Y. Yoda, M. Yabashi, K. Izumi, X. W. Zhang, S. Kishimoto, S. Kitao, M. Seto, T. Mitsui, T. Harami, Y. Imai, S. Kikuta
Nuclear Instruments and Methods in Physics Research Section A, **467–468**, (2001), 715–718
[2002]
- [16] "Stroboscopic Detection of Nuclear Forward-Scattered Synchrotron Radiation"
R. Callens, R. Coussement, C. L'abbe, S. Nasu, K. Vyvey, T. Yamada, Y. Yoda, J. Odeurs
Physical Review B, **65**, (2002), 180404
- [17] "Dynamics of Fe Cations in an H₂SO₄ Solution by Nuclear Resonant Quasielastic Scattering"
R. Haruki, M. Seto, S. Kitao, Y. Yoda, T. Mitsui, Yu. Maeda
Hyperfine Interactions (C), **5**, (2002), 139–142
- [18] "Hydration Processes of Electrolyte Anions and Cations on Pt(111), Ir(111), Ru(001) and Au(111) Surfaces: Coadsorption of Water Molecules with Electrolyte Ions"
M. Ito, M. Nakamura
Faraday Discussions, **121**, (2002), 71–84
- [19] "Surface X-Ray Diffraction Study of Cu UPD on Au(111) Electrode in 0.5 M H₂SO₄ Solution: the Coadsorption Structure of UPD Copper, Hydration Water Molecule and Bisulfate Anion on Au(111)"
M. Nakamura, O. Endo, T. Ohta, M. Ito, Y. Yoda
Surface Science, **514**, (2002), 227–233
- [20] "Nuclear Resonant Inelastic and Forward Scattering of Synchrotron Radiation by ⁴⁰K"
M. Seto, S. Kitao, Y. Kobayashi, R. Haruki, T. Mitsui, Y. Yoda, X. W. Zhang, K. Kishimoto, Y. Maeda
Hyperfine Interactions, **141/142**, (2002), 99–108
- [21] "Existence of an Epitaxially Ordered Phase in the Buried Oxide of SIMOX Wafers"
T. Shimura, T. Hosoi, K. Fukuda, M. Umeno
Solid State Phenomena, **82–84**, (2002), 485–490
- [22] "Formation of Epitaxially Ordered SiO₂ in Oxygen-Implanted Silicon During Thermal Annealing"
T. Shimura, T. Hosoi, K. Fukuda, M. Umeno, A. Ogura
Journal of Crystal Growth, **236**, (2002), 37–40
- [23] "Phonon Density of States of γ -Fe Precipitates in Cu"
Y. Tsunoda, Y. Kurimoto, M. Seto, S. Kitao, Y. Yoda
Physical Review B, **66**, (2002), 214304
- [24] "Effect of FOD on Fatigue Strength of Ti-6Al-4V Alloy"
H. Matsunaga, Y. Murakami
材料 (Journal of the Society of Materials Science Japan), **51**, (2002), 1259–1266
- [25] "Nuclear Resonant Inelastic Scattering of Synchrotron Radiation by Icosahedral Quasicrystal i-Al₆₂Cu_{25.5}Fe_{12.5} and Tetragonal Crystal ω -Al₇₀Cu₂₀Fe₁₀"
K. Suzuya, K. Shibata, M. Seto, S. Kitao, Y. Yoda, Y. Kashihara, A. Tsai
Journal of Non-Crystalline Solids, **312–314**, (2002), 508–512
[2003]
- [26] "Principles of Stroboscopic Detection of Nuclear Forward-Scattered Synchrotron Radiation"
R. Callens, R. Coussement, T. Kawakami, J. Ladriere, S. Nasu, T. Ono, I. Serdons, K. Vyvey, T. Yamada, Y. Yoda, J. Odeurs
Physical Review B, **67**, (2003), 104423(16)
- [26] "Array of Avalanche Photodiodes As a Position-Sensitive X-Ray Detector"
S. Kishimoto, Y. Yoda, M. Seto, S. Kitao, Y. Kobayashi, R. Haruki, T. Harumi
Nuclear Instruments and Methods in Physics Research Section A, **513**, (2003), 193–196

- [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
材料 (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}I 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