

- [71] "Three-Dimensional Visualization of Trans-Cortex Glomeruli using Micro-CT and Evaluation of Heterogeneity of the Glomerular Volume Distribution in Early Diabetic Nephropathy"
E. Toyota, F. Kajiyama, Y. Ogasawara, K. Fujimoto, T. Kajita, F. Shigeto, T. Asano
Kidney International, **66**, (2004), 1-4
- [72] "Experimental Reproduction of Classic Barred Olivine Chondrules: Open-System Behavior of Chondrule Formation"
A. Tsuchiyama, Y. Osada, T. Nakano, K. Uesugi
Geochimica et Cosmochimica Acta, **68**, (2004), 653-672
- [73] "Synchrotron Radiation Microangiography for Observation of Vasodilatation using X-ray SATICON"
K. Umetani, K. Fukushima, K. Sugimura
映像情報メディア学会誌 (The Journal of the Institute of Image Information and Television Engineers), **58**, (2004), 344-351
- [74] "A Large-Area CMOS Imager as an X-ray Detector for Synchrotron Radiation Experiments"
N. Yagi, M. Yamamoto, K. Uesugi, K. Inoue
Journal of Synchrotron Radiation, **11**, (2004), 347-352
- [75] "Direct Observation of Stray Crystal Formation in Unidirectional Solidification of Sn-Bi Alloy by X-Ray Imaging"
H. Yasuda, I. Ohnaka, K. Kawasaki, A. Sugiyama, T. Ohmichi, J. Iwane, K. Umetani
Journal of Crystal Growth, **262**, (2004), 645-652
- [2005]
- [76] "Three-Dimensional Structure of Dislocations in Silicon Determined by Synchrotron White X-ray Topography Combined with a Topo-Tomographic Technique"
S. Kawado, T. Taishi, S. Iida, Y. Suzuki, Y. Chikaura, K. Kajiwara
Journal of Physics D: Applied Physics, **38**, (2005), A17-A22

BL25SU

Refereed Papers

[1998]

- [1] "SPring-8 Twin Helical Undulator"
T. Hara, T. Tanaka, T. Tanabe, X. -M. Marechal, K. Kumagai, H. Kitamura
Journal of Synchrotron Radiation, **5**, (1998), 426-427
- [2] "Twin Helical Undulator Beamline for Soft X-Ray Spectroscopy at SPring-8"
Y. Saitoh, T. Nakatani, T. Matsushita, T. Miyahara, M. Fujisawa, K. Soda, T. Muro, S. Ueda, H. Harada, A. Sekiyama, S. Imada, H. Daimon, S. Suga
Journal of Synchrotron Radiation, **5**, (1998), 542-544

[1999]

- [3] "Structure and MCD Effect of Rare-Earth-Transition Metal Amorphous Multilayers"
Y. Fujiwara, K. Yano, T. Kato, X. Y. Yu, S. Tsunashima, S. Iwata, T. Kobayashi, M. Masuda
Journal of the Magnetics Society of Japan, **23 Supplement**, (1999), 39-42
- [4] "4d and 3d Resonant Photoemission of Ce Compounds and c-f Mixing"
S. Imada, A. Sekiyama, S. Suga
Japanese Journal of Applied Physics Series 11 Physics of Strongly Correlated Electron Systems, , (1999), 212-214
- [5] "Importance of Measurements of Small MCD Signals at Temperatures Higher than T_c : Distinction between Itinerant and Localized Magnetism"
T. Miyahara, H. Ishii, S. Imada, Y. Saitoh, R. Jung, H. Kimura, S. Suga, H. Sugawara, H. Sato
Japanese Journal of Applied Physics, **38 Suppl. 38-1**, (1999), 396-399
- [6] "High Resolution Ce3d-4f Resonant Photoemission Study of CeNiSn and CePdSn"
A. Sekiyama, S. Suga, Y. Saitoh, S. Ueda, H. Harada, T. Matsushita, T. Nakatani, T. Iwasaki, K. Matsuda, M. Kotsugi, S. Imada, T. Takabatake, T. Yoshino, D. T. Adroja, R. Takayama, O. Sakai, H. Harima, T. Nanba
Solid State Communications, **111**, (1999), 373-378
- [7] "Photoemission Study of $D0_3$ -Related $(Fe_{1-x}V_x)_3Al$ Alloys"
K. Soda, T. Takeuchi, Y. Yanagida, U. Mizutani, M. Kato, Y. Nishino, A. Sekiyama, S. Imada, S. Suga, T. Matsushita, Y. Saito
Japanese Journal of Applied Physics, **38 Suppl. 38-1**, (1999), 496-499

- [8] "Magnetic Dichroism and High Resolution Photoemission Study of Materials"
S. Suga, S. Imada, A. Sekiyama
Japanese Journal of Applied Physics, **38 Suppl. 38-1**, (1999), 348-353
[2000]
- [9] "Two-Dimensional Circularly-Polarized-Light Photoelectron Diffraction for the Analysis of Magnetic and Electronic Properties on Surfaces"
K. Enomoto, Y. Miyatake, K. Fukumoto, A. Kobayashi, K. Hattori, H. Daimon, M. Kotsugi, S. Suga, T. Nakatani, T. Matsushita
Surface Review and Letters, **7**, (2000), 643-647
- [10] "Local Magnetic States in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ and $\text{Nd}_{1-x}\text{Sr}_x\text{MnO}_3$ "
S. Imada, S. Suga, T. Muro, S. Ueda, R. -J. Jung, M. Kotsugi, Y. Saitoh, T. Matsushita, H. Kuwahara, Y. Moritomo, Y. Tokura
Physica B, **281-282**, (2000), 498-499
- [11] "Metastable Domain Structures of Ferromagnetic Microstructures Observed by Soft X-Ray Magnetic Circular Dichroism Microscopy"
S. Imada, S. Ueda, R. Jung, Y. Saitoh, M. Kotsugi, W. Kuch, J. Gilles, S. Kang, F. Offi, J. Kirschner, H. Daimon, T. Kimura, J. Yanagisawa, K. Gamo, S. Suga
Japanese Journal of Applied Physics, **39**, (2000), L585-L587
- [12] "Bulk and Surface Electronic Structures of CePdX (X=As, Sb) Studied by 3d-4f Resonance Photoemission"
T. Iwasaki, S. Suga, S. Imada, A. Sekiyama, K. Matsuda, M. Kotsugi, K. -S. An, T. Muro, S. Ueda, T. Matsushita, Y. Saitoh, T. Nakatani, H. Ishii, O. Sakai, R. Takayama, T. Suzuki, T. Oguchi, K. Katoh, A. Ochiai
Physical Review B, **61**, (2000), 4621-4628
- [13] "Magnetic-Circular-Dichroism Microspectroscopy at the Spin Reorientation Transition in Ni(001) Films"
W. Kuch, J. Gilles, S. S. Kang, S. Imada, S. Suga, J. Kirschner
Physical Review B, **62**, (2000), 3824-3833
- [14] "Imaging Microspectroscopy of Ni/Fe/Co/Cu(001) Using a Photoemission Microscope"
W. Kuch, J. Gilles, F. Offi, S. S. Kang, S. Imada, S. Suga, J. Kirschner
Journal of Electron Spectroscopy and Related Phenomena, **109**, (2000), 249-265
- [15] "Quantitative X-Ray Magnetic Circular Dichroism Microspectroscopy of Fe/Co/Cu(001) Using a Photoemission Microscope"
W. Kuch, J. Gilles, S. S. Kang, F. Offi, J. Kirschner, S. Imada, S. Suga
Journal of Applied Physics, **87**, (2000), 5747-5749
- [16] "High-Resolution Resonant Photoemission Study of CeRu_2 "
K. Matsuda, A. Sekiyama, S. Suga, S. Imada, Y. Saitoh, T. Matsushita, S. Ueda, H. Harada, T. Iwasaki, M. Kotsugi, M. Hedo, Y. Onuki, E. Yamamoto, Y. Haga, R. Takayama, O. Sakai
Physica B, **281-282**, (2000), 729-730
- [17] "Unusual Electron Transport in Heusler-Type Fe_2VAl Compound"
Y. Nishino
Intermetallics, **8**, (2000), 1233-1241
- [18] "Performance of a Very High Resolution Soft X-Ray Beamline BL25SU with a Twin-Helical Undulator at SPring-8"
Y. Saito, H. Kimura, Y. Suzuki, T. Nakatani, T. Matsushita, T. Muro, T. Miyahara, M. Fujisawa, K. Soda, S. Ueda, H. Harada, M. Kotsugi, A. Sekiyama, S. Suga
Review of Scientific Instruments, **71**, (2000), 3254-3259
- [19] "Bulk 4f Electronic States of Ce-Based Heavy Fermion System Probed by High-Resolution Resonance Photoemission"
A. Sekiyama, K. Kadono, K. Matsuda, T. Iwasaki, S. Ueda, S. Imada, S. Suga, R. Settai, H. Azuma, Y. Onuki, Y. Saitoh
Journal of the Physical Society of Japan, **69**, (2000), 2771-2774
- [20] "Probing Bulk States of Correlated Electron Systems by High-Resolution Resonance Photoemission"
A. Sekiyama, T. Iwasaki, K. Matsuda, Y. Saitoh, Y. Onuki, S. Suga
Nature, **403**, (2000), 396-398
- [21] "Electronic Structure of Mn Doped Diluted Magnetic Semiconductors"
S. Ueda, S. Suga, T. Iwasaki, A. Sekiyama, S. Imada, Y. Saitoh, S. Takeyama
Japanese Journal of Applied Physics, **39 Suppl. 39-1**, (2000), 468-469

- [22] "High-Resolution Ce 3d-Edge Resonant Photoemission Study of CeNi₂"
 S. Yang, S. -J. Oh, H. Kim, R. Jung, A. Sekiyama, T. Iwasaki, S. Suga, Y. Saitoh, E. -J. Cho, J. -G. Park
Physical Review B, **61**, (2000), R13329-R13332
 [2001]
- [23] "Stereoscopic Microscopy of Atomic Arrangement by Circularly Polarized-Light Photoelectron Diffraction"
 H. Daimon
Physical Review Letters, **86**, (2001), 2034-2037
- [24] "Effective Magnetic Quantum Number and Effective Emitter-Scatterer Distance Obtained from W 4f Photoelectron Diffraction Induced by Circularly Polarized Light on W(110)"
 K. Hattori, A. Kobayashi, K. Fukumoto, Y. Miyatake, H. Daimon, M. Kotsugi, S. Suga, T. Nakatani, T. Matsushita
Surface Science, **493**, (2001), 15-22
- [25] "Electronic and Magnetic States of RCo_{5-x}B_x Investigated by Photoemission and Soft X-Ray MCD"
 S. Imada, S. Suga, T. Sato, R. Jung, H. Ido
Journal of Magnetism and Magnetic Materials, **226-230**, (2001), 1193-1194
- [26] "Temperature-Dependent Bulk-Sensitive Ce 3d Edge Resonant Photoemission Study of CeFe₂"
 R. Jung, H. Kim, B. Choi, S. -J. Oh, E. Cho, T. Iwasaki, A. Sekiyama, S. Imada, S. Suga, J. -G. Park
Journal of Electron Spectroscopy and Related Phenomena, **114-116**, (2001), 693-698
- [27] "Construction of Two-Dimensional Photoelectron Spectrometer at SPring-8"
 M. Kotsugi, Y. Miyatake, K. Enomoto, K. Fukumoto, A. Kobayashi, T. Nakatani, Y. Saitoh, T. Matsushita, S. Imada, T. Furuhata, S. Suga, K. Soda, M. Jinno, T. Hirano, K. Hattori, H. Daimon
Nuclear Instruments and Methods in Physics Research Section A, **467-468**, (2001), 1493-1496
- [28] "Element-Selective Mapping of Magnetic Moments in Ultrathin Magnetic Films Using a Photoemission Microscope"
 W. Kuch, J. Gilles, F. Offi, S. S. Kang, S. Imada, S. Suga, J. Kirschner
Surface Science, **480**, (2001), 153-162
- [29] "MCD Study on Materials without Magnetic Order"
 T. Miyahara, H. Ishii, Y. Takayama, M. Hirose, K. Maruyama, K. Obu, M. Shinoda, T. Muro, Y. Saitoh, Tatsuma D. Matsuda, H. Sugawara, H. Sato
Journal of the Physical Society of Japan, **70**, (2001), 2977-2981
- [30] "High-Resolution Soft X-Ray Absorption Spectroscopy of Solids"
 Y. Saitoh, T. Muro, M. Kotsugi, T. Iwasaki, A. Sekiyama, S. Imada, S. Suga
Journal of Synchrotron Radiation, **8**, (2001), 339-341
- [31] "Soft X-Ray Beamline for Spectroscopy of Solids at SPring-8"
 Y. Saitoh, H. Kimura, Y. Suzuki, T. Nakatani, T. Matsushita, T. Muro, T. Miyahara, M. Fujisawa, K. Soda, S. Ueda, A. Sekiyama, S. Imada, S. Suga
Nuclear Instruments and Methods in Physics Research Section A, **467-468**, (2001), 553-556
- [32] "Bulk-Sensitive High-Resolution Ce 3d-4f Resonance Photoemission Study of CeNiSn and CePdSn"
 A. Sekiyama, S. Suga, T. Iwasaki, S. Ueda, S. Imada, Y. Saitoh, T. Yoshino, D. T. Adroja, T. Takabatake
Journal of Electron Spectroscopy and Related Phenomena, **114-116**, (2001), 699-703
- [33] "Magnetic Circular Dichroism at Transition Metal L_{2,3} Edges in D0₃-Type (Fe_{1-x}Mn_x)₃Al Alloys"
 K. Soda, O. Yoshimoto, H. Nozaki, T. Takeuchi, U. Mizutani, H. Kato, M. Kato, Y. Nishino, S. Imada, S. Suga, T. Matsushita, Y. Saitoh
Journal of Synchrotron Radiation, **8**, (2001), 455-456
- [34] "High-Resolution Soft X-Ray Bulk Sensitive Photoemission from Strongly Correlated Systems"
 S. Suga, A. Sekiyama
Journal of Electron Spectroscopy and Related Phenomena, **114-116**, (2001), 659-668
- [35] "X-MCD at Twin-Helical Undulator Beam Line BL25SU of SPring-8"
 S. Suga, S. Imada, A. Yamasaki, S. Ueda, T. Muro, Y. Saitoh
Journal of Magnetism and Magnetic Materials, **233**, (2001), 60-64
- [36] "Extremely High Quality Soft X-Ray Beam Line BL25SU of SPring-8: Instrumentation and Research Activities"
 S. Suga
Nuclear Instruments and Methods in Physics Research Section A, **467-468**, (2001), 1388-1395

- [37] "Magnetic Circular Dichroism in Mn 2p Core Absorption of $\text{Ga}_{1-x}\text{Mn}_x\text{As}$ "
 S. Ueda, S. Imada, T. Muro, Y. Saitoh, S. Suga, F. Matsukura, H. Ohno
Physica E, **10**, (2001), 210-214
- [38] "Magnetic Circular Dichroism in the Soft X-Ray Absorption Spectra of Intercalation Compounds Fe_xTiS_2 "
 A. Yamasaki, S. Imada, H. Utsunomiya, T. Muro, Y. Saitoh, H. Negishi, M. Sasaki, M. Inoue, S. Suga
Physica E, **10**, (2001), 387-390
- [39] "Magnetic Circular Dichroism at Transition Metal $L_{2,3}$ Edges in $D0_3$ -Type $(\text{Fe}_{1-x}\text{V}_x)_3\text{Al}$ Alloys"
 O. Yoshimoto, M. Kato, K. Soda, H. Nozaki, T. Takeuchi, U. Mizutani, M. Kato, Y. Nishino, S. Imada, S. Suga, T. Matsushita, Y. Saitoh
Journal of Synchrotron Radiation, **8**, (2001), 457-459
[2002]
- [40] "Quasi-Particles and Their Absence in Photoemission Spectroscopy"
 James W. Allen
Solid State Communications, **123**, (2002), 469-487
- [41] "Photoelectron Diffraction Stereograph by Display-Type Spherical Mirror Analyzer"
 H. Daimon
Journal of Electron Spectroscopy and Related Phenomena, **124**, (2002), 139-149
- [42] "Magnetic Microspectroscopy by a Combination of XMCD and PEEM"
 S. Imada, S. Suga, W. Kuch, J. Kirschner
Surface Review and Letters, **9**, (2002), 877-881
- [43] "Bulk-Sensitive Photoemission of Mn_5Si_3 "
 A. Irizawa, A. Yamasaki, M. Okazaki, S. Kasai, A. Sekiyama, S. Imada, S. Suga, E. Kulatov, H. Ohta, T. Nanba
Solid State Communications, **124**, (2002), 1-5
- [44] "High-Resolution Resonance Photoemission Study of CeMX ($M = \text{Pt, Pd}; X = \text{P, As, Sb}$)"
 T. Iwasaki, A. Sekiyama, A. Yamasaki, M. Okazaki, K. Kadono, H. Utsunomiya, S. Imada, Y. Saitoh, T. Muro, T. Matsushita, H. Harima, S. Yoshii, M. Kasaya, A. Ochiai, T. Oguchi, K. Katoh, Y. Niide, K. Takegahara, S. Suga
Physical Review B, **65**, (2002), 195109
- [45] "Bulk-Sensitive Photoemission Spectroscopy of $A_x\text{FeMoO}_6$ Double Perovskites ($A=\text{Sr, Ba}$)"
 J. -S. Kang, J. H. Kim, A. Sekiyama, S. Kasai, S. Suga, S. W. Han, K. H. Kim, T. Muro, Y. Saitoh, C. Hwang, C. G. Olson, B. J. Park, B. W. Lee, J. H. Shim, J. H. Park, B. I. Min
Physical Review B, **66**, (2002), 113105
- [46] "Magnetic Circular Dichroism Spectra of MnPt_3/Co Multilayers"
 T. Kato, Y. Fujiwara, S. Iwata, S. Tsunashima
Journal of Magnetism and Magnetic Materials, **240**, (2002), 517-519
- [47] "Magnetic Circular Dichroism of Polycrystalline $(\text{Mn}_{1-x}\text{Cr}_x)\text{Pt}_3$ and Epitaxial CrPt_3 Alloy Films"
 T. Kato, K. Sugihara, H. Ito, A. Kobayashi, Y. Fujiwara, S. Iwata, S. Tsunashima
Transactions of the Magnetics Society of Japan, **2**, (2002), 98-103
- [48] "Direct Experimental Verification of Applicability of Single-Site Model for Angle Integrated Photoemission of Small T_K Concentrated Ce Compounds"
 H. Kim, J. W. Allen, J. -H. Park, A. Sekiyama, A. Yamasaki, K. Kadono, S. Suga, Y. Saitoh, T. Muro, E. J. Freeman, N. A. Frederick, M. B. Maple
Physica B, **312-313**, (2002), 673-674
- [49] "Angle-Resolved Soft X-Ray Photoemission for the Valence Band of Graphite"
 T. Matsushita, T. Muro, Y. Saitoh, T. Nakatani, A. Sekiyama, S. Suga
Surface Review and Letters, **9**, (2002), 1321-1326
- [50] "Precursor Nonmagnetic States of $\text{PrFe}_4\text{P}_{12}$ and CePd_3 Detected by Core Excitation MCD"
 T. Miyahara, H. Ishii, K. Obu, M. Shinoda, Y. Takayama, T. Muro, Tatsuma D. Matsuda, H. Sugawara, H. Sato
Surface Review and Letters, **9**, (2002), 831-835
- [51] "Stereo-Microscopy of Atomic Arrangements on Thin Films Using Circular Dichroism in X-Ray Photoelectron Angular Distribution"
 S. Okamoto, A. Nakamoto, S. Hayashi, K. Fukumoto, T. Nakatani, T. Matsushita, K. Hattori, H. Daimon
Transactions of the Magnetics Society of Japan, **2**, (2002), 228-233

- [52] "Electronic Structure of Yb_xCu₄ (X=In, Cd, Mg) Investigated by High-Resolution Photoemission Spectroscopy"
 H. Sato, K. Hiraoka, M. Taniguchi, Y. Takeda, M. Arita, K. Shimada, H. Namatame, A. Kimura, K. Kojima, T. Muro, Y. Saitoh, A. Sekiyama, S. Suga
Journal of Synchrotron Radiation, **9**, (2002), 229-232
- [53] "Itinerant Bulk 4f Character of Strongly Valence-Fluctuating CeRu₂ Observed by High-Resolution Ce 3d-4f Resonance Photoemission"
 A. Sekiyama, S. Suga, S. Ueda, S. Imada, K. Matsuda, T. Iwasaki, M. Hedo, E. Yamamoto, Y. Haga, Y. Onuki, Y. Saitoh, T. Matsushita, T. Nakatani, M. Kotsugi, S. Tanaka, H. Harima
Solid State Communications, **121**, (2002), 561-564
- [54] "Bulk-Sensitive High-Energy and High-Resolution Photoemission Study of Strongly Correlated Ce Compounds"
 A. Sekiyama, S. Suga
Physica B, **312-313**, (2002), 634-639
- [55] "High-Resolution Photoelectron Spectroscopy of Heusler-Type Fe₂VAL Alloy"
 K. Soda, T. Mizutani, O. Yoshimoto, S. Yagi, U. Mizutani, H. Sumi, Y. Nishino, Y. Yamada, T. Yokoya, S. Shin, A. Sekiyama, S. Suga
Journal of Synchrotron Radiation, **9**, (2002), 233-236
- [56] "Recent Development in Soft X-Ray Spectroscopy of Correlated Materials: High Resolution Absorption and Bulk-Sensitive Photoemission"
 S. Suga
Surface Review and Letters, **9**, (2002), 1221-1228
- [57] "Transport Properties and Mangetoresistance of (RE,Sr)₂NiO₄ (RE=Pr, Nd, Sm and Eu)"
 K. Sugiyama, H. Nozaki, T. Takeuchi, H. Ikuta
Journal of Physics and Chemistry of Solids, **63**, (2002), 979-982
- [58] "High-Resolution Photoemission Spectroscopy for the Layered Antiferromagnetic (La_{1-x}Nd_x)_{0.46}Sr_{0.54}MnO₃"
 T. Takeuchi, H. Nozaki, K. Soda, T. Kondo, U. Mizutani, T. Yokoya, T. Sato, T. Takahashi, S. Shin, T. Muro, Y. Saitoh, Y. Moritomo
Journal of Synchrotron Radiation, **9**, (2002), 237-241
- [59] "Orbital Angular Momentum And Interpretation of Core-Absorption Magnetic Circular Dichroism on the Band Picture in Co-Based Heusler Alloys Co₂YSn (Y=Ti, Zr, and Nb)"
 A. Yamasaki, S. Imada, R. Arai, U. Utsunomiya, S. Suga, T. Muro, Y. Saito, T. Kanomata, S. Ishida
Physical Review B, **65**, (2002), 104410
- [60] "Angle-Resolved Photoemission Spectroscopy and Magnetic Circular Dichroism in Fe-Intercalated TiS₂"
 A. Yamasaki, S. Imada, A. Sekiyama, S. Suga, T. Matsushita, T. Muro, Y. Saitoh, H. Negishi, M. Sasaki
Surface Review and Letters, **9**, (2002), 961-966
- [61] "Magnetic Circular Dichroism in the Soft X-ray Absorption Spectra of Co-Based Heusler Alloys"
 A. Yamasaki, S. Imada, S. Suga, T. Kanomata, S. Ishida
Surface Review and Letters, **9**, (2002), 955-960
- [62] "Magnetism and Transport of Ln_{0.5}Sr_{0.5}CoO₃ (L=Pr, Nd, Sm, Eu and Gd)"
 K. Yoshii, A. Nakamura, H. Abe, M. Mizumaki, T. Muro
Journal of Magnetism and Magnetic Materials, **239**, (2002), 85-87
 [2003]
- [63] "Magnetic Circular Dichroism of LaMn_{1-x}Al_xO_{3+δ} Series of Samples"
 A. Banerjee, S. M. Chaudhari, R. V. Krishnan, B. A. Dasannacharya, T. Muro, Y. Saitoh, S. Imada, S. Suga
Nuclear Instruments and Methods in Physics Research Section B, **199**, (2003), 308-312
- [64] "Auger Effect in High-Resolution Ce 3d-Edge Resonant Photoemission"
 E. Cho, R. -J. Jung, B. -H. Choi, S. -J. Oh, T. Iwasaki, A. Sekiyama, S. Imada, S. Suga, T. Muro, J. -G. Park, Y. S. Kwon
Physical Review B, **67**, (2003), 155107
- [65] "Soft-X-Ray Magnetic-Circular-Dichroism Study of the Colossal-Magnetoresistance Spinel Fe_{0.5}Cu_{0.5}Cr₂S₄"
 A. Deb, M. Mizumaki, T. Muro, Y. Sakurai, V. Tsurkan
Physical Review B, **68**, (2003), 014427
- [66] "Helicity Switching of Circularly Polarized Undulator Radiation by Local Orbit Bumps"
 T. Hara, K. Shirasawa, M. Takeuchi, T. Seike, Y. Saito, T. Muro, H. Kitamura
Nuclear Instruments and Methods in Physics Research Section A, **498**, (2003), 496-502

- [67] "High Resolution Photoemission Study of $\text{Cd}_2\text{Re}_2\text{O}_7$ "
 A. Irizawa, A. Higashiya, S. Kasai, T. Sasabayashi, A. Shigemoto, A. Sekiyama, S. Imada, S. Suga, H. Sakai, H. Ohno, M. Kato, K. Yoshimura
Acta Physica Polonica B, **34**, (2003), 553-556
- [68] "Soft X-Ray Magnetic Circular Dichroism of $c(2\times 2)$ CuMn Ordered Surface Alloy"
 A. Kimura, T. Kanbe, T. Xie, S. Qiao, M. Taniguchi, T. Muro, S. Imada, S. Suga
Japanese Journal of Applied Physics, **42**, (2003), 4692-4694
- [69] "Verification of Ni Magnetic Moment in GdNi_2 Laves Phase by Magnetic Circular Dichroism Measurement"
 M. Mizumaki, K. Yano, I. Umebara, F. Ishikawa, K. Sato, A. Koizumi, N. Sakai, T. Muro
Physical Review B, **67**, (2003), 132404
- [70] "Prominent Quasiparticle Peak in the Photoemission Spectrum of the Metallic Phase of V_2O_3 "
 S. -K. Mo, J. D. Denlinger, H. -D. Kim, J. -H. Park, J. W. Allen, A. Sekiyama, A. Yamasaki, K. Kadono, S. Suga, Y. Saitoh, T. Muro, P. Metcalf, G. Keller, K. Held, V. Eyert, V. I. Anisimov, D. Vollhardt
Physical Review Letters, **90**, (2003), 186403
- [71] "Application of Atomic Stereomicroscope to Surface Science"
 T. Nakatani, T. Matsushita, Y. Miyatake, K. Fukumoto, A. Kobayashi, A. Hattori, S. Okamoto, A. Nakamoto, F. Matsui, K. Hattori, M. Kotsugi, Y. Saitoh, S. Suga, H. Daimon, T. Nohno
Progress in Surface Science, **71**, (2003), 217-239
- [72] "High-Resolution Resonance Photoemission Study of CeNi"
 A. Sekiyama, K. Kadono, T. Iwasaki, S. Imada, S. Kasai, S. Suga, S. Araki, Y. Onuki
Acta Physica Polonica B, **34**, (2003), 1105-1108
- [73] "Measurements of Temperature Dependence of "Localized Susceptibility""
 H. Shiozawa, T. Miyahara, H. Ishii, Y. Takayama, K. Obu, T. Muro, Y. Saitoh, Tatsuma D. Matsuda, H. Sugawara, H. Sato
Nuclear Instruments and Methods in Physics Research Section B, **199**, (2003), 318-322
- [74] "Local Magnetic Susceptibility in Rare-Earth Compounds"
 H. Shiozawa, T. Miyahara, K. Obu, Y. Takayama, H. Ishii, Tatsuma D. Matsuda, H. Sugawara, H. Sato, T. Muro, Y. Saitoh
Journal of the Physical Society of Japan, **72**, (2003), 2079-2084
- [75] "Magnetic Properties of Mn Ultrathin Film on Ni(110)"
 T. Xie, A. Kimura, T. Kanbe, S. Qiao, T. Muro, M. Taniguchi, S. Imada, S. Suga
Japanese Journal of Applied Physics, **42**, (2003), 4695-4697
- [2004]
- [76] "Oxygen Adsorption Effect on the Mn 2p XAS and XMCD Spectra of $c(2 \times 2)\text{CuMn}/\text{Cu}(001)$ Two-Dimensional Surface Alloy"
 S. Asanao, A. Kimura, T. Kambe, T. Xie, S. Qiao, T. Muro, S. Imada, S. Suga, M. Taniguchi
Physica B, **351**, (2004), 355-357
- [77] "Stereoscopic Photographs of Atomic Arrangements in MoS_2 Single-Crystal"
 F. Guo, F. Matsui, M. Fujikado, T. Matsushita, H. Daimon
Applied Surface Science, **237**, (2004), 616-620
- [78] "Soft X-ray Magnetic Circular Dichroism of Cr-doped GaN"
 H. Makino, J. Kim, T. Nakamura, T. Muro, K. Kobayashi, T. Yao
Current Applied Physics, **4**, (2004), 615-617
- [79] "Visualization of Graphite Atomic Arrangement by Stereo Atomscope"
 F. Matsui, H. Daimon, F. Guo, T. Matsushita
Applied Physics Letters, **85**, (2004), 3737-3739
- [80] "Bulk-Sensitive High-Resolution Photoemission Study of a Temperature-Induced Valence Transition System EuPd_2Si_2 "
 K. Mimura, Y. Taguchi, S. Fukuda, A. Mitsuda, J. Sakurai, K. Ichikawa, O. Aita
Journal of Electron Spectroscopy and Related Phenomena, **137-140**, (2004), 529-533
- [81] "Temperature Dependence of Eu 4f States in EuPd_2Si_2 : Bulk-Sensitive High-Resolution Photoemission Study"
 K. Mimura, Y. Taguchi, S. Fukuda, A. Mitsuda, J. Sakurai, K. Ichikawa, O. Aita
Physica B, **351**, (2004), 292-294

- [82] "High-Resolution Resonant Photoemission Study of CeSi"
 K. Mimura, Y. Watanabe, H. Mizohata, K. Ichikawa, Y. Taguchi, O. Aita, A. Yamasaki, A. Sekiyama, S. Suga, T. Oguchi, S. Noguchi, O. Sakai, T. Muro
Physica B, **351**, (2004), 295-297
- [83] "Interpretation of Differnce between Bulk Magnetic Susceptibility and "Local Magnetic Susceptibility" Detected by Core Excitation Magnetic Circular Dichroism"
 T. Miyahara, H. Shiozawa
Journal of Electron Spectroscopy and Related Phenomena, **136**, (2004), 117-123
- [84] "Orbital Magnetic Moment of "half-metallic" Co₂MnGe"
 K. Miyamoto, A. Kimura, K. Iori, T. Xie, K. Sakamoto, T. Moko, S. Qiao, M. Taniguchi, K. Tsuchiya
Physica B, **351**, (2004), 347-350
- [85] "Element-Resolved Magnetic Moments of Heusler-Type Ferromagnetic Ternary Alloy Co₂MnGe"
 K. Miyamoto, A. Kimura, K. Iori, K. Sakamoto, T. Xie, T. Moko, S. Qiao, M. Taniguchi, K. Tsuchiya
Journal of Physics: Condensed Matter, **16**, (2004), S5797-S5800
- [86] "Filling of the Mott-Hubbard Gap in the High Temperature Photoemission Spectrum of (V_{0.972}Cr_{0.028})₂O₃"
 S. Mo, J. W. Allen, H. Kim, A. Sekiyama, A. Yamasaki, S. Suga, J.-H. Park, J. D. Denlinger, P. Metcalf, K. Held
Physical Review Letters, **93**, (2004), 076404
- [87] "Distortion of V 3d Line Shape due to Auger Emission in Resonant Photoemission Spectra of (V_{1-x}Cr_x)₂O₃ at the V 2p → 3d Absorption Edge"
 S. Mo, J. W. Allen, H. Kim, A. Sekiyama, A. Yamasaki, S. Suga, J. D. Denlinger, Y. Saitoh, T. Muro, P. Metcalf
Physica B, **351**, (2004), 235-239
- [88] "Measurement and Multiple-Scattering Calculation of Cu *K*-edge X-ray Magnetic Circular Dichroism Spectra from an Exchange-Coupled Co/Cu Multilayer"
 S. Nagamatsu, H. Matsumoto, T. Fujikawa, K. Ishiji, H. Hashizume
Physical Review B, **70**, (2004), 174442
- [89] "Induced Magnetic Polarization in Cu Layers of Gd/Cu Multilayers Studied by X-ray Magnetic Circular Dichroism"
 T. Ohkochi, N. Hosooito, K. Mibu, H. Hashizume
Journal of the Physical Society of Japan, **73**, (2004), 2212-2218
- [90] "Spin and Orbital Electronic States of Sm 4f Electrons in (Sm, Gd)Al₂"
 S. Qiao, A. Kimura, H. Adachi, T. Kambe, K. Yoshikawa, K. Yaji, C. Hirai, H. Sato, Y. Takeda, H. Namatame, M. Taniguchi, A. Tanaka, T. Muro, S. Imada, S. Suga
Physica B, **351**, (2004), 333-337
- [91] "Direct Evidence of Ferromagnetism without Net Magnetization Observed by X-ray Magnetic Circular Dichroism"
 S. Qiao, A. Kimura, H. Adachi, K. Iori, K. Miyamoto, T. Xie, H. Namatame, M. Taniguchi, A. Tanaka, T. Muro, S. Imada, S. Suga
Physical Review B, **70**, (2004), 134418
- [92] "Experimental Evidence for the *p-d* Hybridization in the Cd-Ca Quasicrystal: Origin of the Pseudogap"
 R. Tamura, T. Takeuchi, C. Aoki, S. Takeuchi, T. Kisu, T. Yokoya, S. Shin
Physical Review Letters, **92**, (2004), 146402
- [93] "Soft-X-ray High-Resolution Photoemission Study on the Valence Transitions in YbInCu₄"
 H. Sato, K. Yoshikawa, K. Hiraoka, M. Arita, K. Fujimoto, K. Kojima, T. Muro, Y. Saitoh, A. Sekiyama, S. Suga, M. Taniguchi
Physical Review B, **69**, (2004), 165101
- [94] "High-Energy Bulk-Sensitive Angle-Resolved Photoemission Study of Strongly Correlated Systems"
 A. Sekiyama, S. Suga
Journal of Electron Spectroscopy and Related Phenomena, **137-140**, (2004), 681-685
- [95] "Technique for Bulk Fermiology by Photoemission Applied to Layered Ruthenates"
 A. Sekiyama, S. Kasai, M. Tsunekawa, Y. Ishida, M. Sing, A. Irizawa, A. Yamasaki, S. Imada, T. Muro, Y. Saitoh, Y. Onuki, T. Kimura, Y. Tokura, S. Suga
Physical Review B, **70**, (2004), 060506

- [96] "Mutual Experimental and Theoretical Validation of Bulk Photoemission Spectra of $\text{Sr}_{1-x}\text{Ca}_x\text{VO}_3$ "
 A. Sekiyama, H. Fujiwara, S. Imada, S. Suga, H. Eisaki, S. Uchida, K. Takegahara, H. Harima, Y. Saitoh, I. Nekrasov, G. Keller, D. Kondakov, A. Kozhevnikov, T. Pruschke, K. Held, D. Vollhardt, V. Anisimov
Physical Review Letters, **93**, (2004), 156402
- [97] "Magnetic Circular Dichroism at Fe and V L_{2,3} Thresholds of Heusler-type $\text{Fe}_{2-x}\text{V}_{1+x}\text{Al}$ "
 K. Soda, H. Murayama, S. Yagi, M. Kato, T. Takeuchi, U. Mizutani, S. Imada, S. Suga, Y. Saitoh, T. Muro, H. Sumi, Y. Nishino
Physica B, **351**, (2004), 338-340
- [98] "X-ray Angle-Resolved Photoemission Spectroscopy of CaB_6 "
 S. Souma, T. Takahashi, H. Komatsu, T. Sato, H. Matsui, N. Kimura, H. Aoki, S. Kunii, J. Akimitsu
Physical Review B, **70**, (2004), 073104
- [99] "High-Energy Angle-Resolved Photoemission Spectroscopy Probing Bulk Correlated Electronic States in Quasi-One-Dimensional V_6O_{13} and SrCuO_2 "
 S. Suga, A. Shigemoto, A. Sekiyama, S. Imada, A. Yamasaki, A. Irizawa, S. Kasai, Y. Saitoh, T. Muro, N. Tomita, K. Nasu, H. Eisaki, Y. Ueda
Physical Review B, **70**, (2004), 155106
- [100] "Contribution of Electronic Structure to the Large Thermoelectric Power in Layered Cobalt Oxides"
 T. Takeuchi, T. Kondo, T. Takami, H. Takahashi, H. Ikuta, U. Mizutani, K. Soda, R. Funahashi, M. Shikano, M. Mikami, S. Tsuda, T. Yokoya, S. Shin, T. Muro
Physical Review B, **69**, (2004), 125410
- [101] "Soft X-ray Spectroscopy Study of Mn Nanoclusters on Si(111)-7 × 7 Surface"
 T. Xie, A. Kimura, S. Qiao, K. Iori, K. Miyamoto, M. Taniguchi, M. Pan, J. Jia, Q. Xue
Physica B, **351**, (2004), 351-354
- [102] "X-ray Magnetic Circular Dichroism at L_{2,3} Edge of Co Nanoclusters on Si(111) Surface"
 T. Xie, A. Kimura, S. Qiao, T. Muro, M. Taniguchi, M. Pan, J. Jia, Q. Xue
Journal of Physics: Condensed Matter, **16**, (2004), S5783-S5786
- [103] "Electronic Structure of Cr_{1-δ}X (X=S, Te) Studied by Cr 2p Soft X-ray Magnetic Circular Dichroism"
 K. Yaji, A. Kimura, C. Hirai, M. Taniguchi, M. Koyama, H. Sato, K. Shimada, A. Tanaka, T. Muro, S. Imada, S. Suga
Physical Review B, **70**, (2004), 064402
- [104] "Soft X-ray Magnetic Circular Dichroism Study of Cr_5S_6 "
 K. Yaji, M. Koyama, A. Kimura, C. Hirai, H. Sato, K. Shimada, A. Tanaka, M. Taniguchi
Physica B, **351**, (2004), 344-346

[2005]

- [105] "The Kondo Resonance in Electron Spectroscopy"
 J. Allen
Journal of the Physical Society of Japan, **74**, (2005), 34-48
- [106] "Magnetism-Induced Symmetry Breaking in Photoelectron Diffraction Patterns"
 A. Chassé, W. Kuch, M. Kotsugi, X. Gao, F. Offi, S. Imada, S. Suga, H. Daimon, J. Kirschner
Physical Review B, **71**, (2005), 014444
- [107] "Absence of Strong Correlation in $\text{Li}_2\text{Pd}_3\text{B}$ "
 T. Yokoya, T. Muro, I. Hase, H. Takeya, K. Hirata, K. Togano
Physical Review B, **71**, (2005), 092507

BL27SU

Refereed Papers

[1998]

- [1] "Thermal and Deformation Analyses of Side-Cooled Monochromator Mirrors for the SPring-8/Figure-8 Soft X-Ray Undulator"
 N. Kihara, K. Mashima, S. Miura, A. Miyaji, K. Wakamiya, S. Takahashi, M. Kageyama, S. Ichikawa
Journal of Synchrotron Radiation, **5**, (1998), 811-813
- [2] "Soft X-Ray Photochemistry Beamline at SPring-8"
 I. Koyano, M. Okuyama, E. Ishiguro, A. Hiraya, H. Ohashi, T. Kanashima, K. Ueda, I. H. Suzuki, T. Ibuki
Journal of Synchrotron Radiation, **5**, (1998), 545-547