

4. Publication List

1A

L. M. G. Chavas, Y. Yamada, M. Hiraki, N. Igarashi, N. Matsugaki and S. Wakatsuki
UV LED lighting for Automated Crystal Centring
J. Synchron Rad., **18** (2011) 11.

T. Osawa, S. Kimura, N. Terasaka, H. Inanaga, T. Suzuki and T. Numata
Structural Basis of tRNA Agmatinylation Essential for AUA Codon Decoding
Nature Structural Molecular Biology, **18** (2011) 1275.

T. Osawa, H. Inanaga, S. Kimura, N. Terasaka, T. Suzuki and T. Numata
Crystallization and Preliminary X-Ray Diffraction Analysis of an Archaeal tRNA-Modification Enzyme, TiaS, Complexed with tRNA^{Ile2} and ATP
Acta Cryst. F, **67** (2011) 1414.

J. Y. Yoon, J. Kim, S. J. Lee, H. S. Kim, H. N. Im, H.-J. Yoon, K. H. Kim, S.-J. Kim, B. W. Han and S. W. Suh
Structural and Functional Characterization of *Helicobacter pylori* DsbG
FEBS Lett., **585** (2011) 3862.

Former 1B

H. Ikemoto, A. Goyo and T. Miyanaga
Size Dependence of the Local Structure and Atomic Correlations in Tellurium Nanoparticles
J. Phys. Chem. C, **115** (2011) 2931.

Y. Yamanari, Y. Suzuki, K. Imai, E. Shikoh, A. Fujiwara, N. Kawasaki, N. Ikeda, Y. Kubozono and T. Kambe
Electronic Phase Transition of the Valence-Fluctuating Fulleride Eu_{2.75}C₆₀
Phys. Rev. B, **83** (2011) 245103.

H. Yamaoka, T. Kambe, T. Sato, Y. Ishida, M. Matsunami, R. Eguchi, Y. Senba and H. Ohashi
Electronic State of an Organic Molecular Magnet: Soft X-Ray Spectroscopy Study of α -TDAE-C₆₀ Single Crystal
Phys. Rev. B, **84** (2011) 161404(R).

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Auger Electron Spectra of Hydrogenated Si(111)-1x1 Surface Obtained from Si-L₂₃VV Auger Electron Si-2p Photoelectron Coincidence Measurements
J. Phys.: Conf. Ser., **288** (2011) 012016.

T. Kakiuchi, M. Tahara, S. Hashimoto, N. Fujita, M. Tanaka, K. Mase and S. Nagaoka
Surface-Site-Selective Study of Valence Electronic States of a Clean Si(111)-7x7 Surface using Si-L₂₃VV Auger Electron and Si-2p Photoelectron Coincidence Measurements
Phys. Rev. B, **83** (2011) 035320.

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K. Iwaya, R. Shimizu, H. Aida, T. Hashizume and T. Hitosugi
Atomically Resolved Silicon Donor States of β -Ga₂O₃
Appl. Phys. Lett., **98** (2011) 142116.

Y. Komuro and Y. Matsumoto
Electron Beam Irradiation-Induced Reduction of SnO₂ Deposited on TiO₂(110) Surfaces
J. Phys. Chem. C, **115** (2011) 6618.

J. W. Liu, A. Kobayashi, S. Toyoda, H. Kamada, A. Kikuchi, J. Ohta, H. Fujioka, H. Kumigashira and M. Oshima
Band Offsets of Polar and Nonpolar GaN/ZnO Heterointerfaces Determined by Synchrotron Radiation Photoemission Spectroscopy
Phys. Status Solidi, **248** (2011) 956.

Y. Tezuka, N. Nakajima and O. Morimoto
Detailed Measurement of Ti 2p Resonant X-Ray Raman Scattering of TiO₂ and its Polarization Dependence Measurements
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Carrier Compensation Mechanism in Heavily Nb-Doped Anatase Ti_{1-x}Nb_xO_{2+ δ} Epitaxial Thin Films
J. Phys. D: Appl. Phys., **44** (2011) 365404.

T. Ohsawa, J. Okubo, T. Suzuki, H. Kumigashira, M. Oshima and T. Hitosugi
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Science, **333** (2011) 319.

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Magnetic and Electronic Properties of La₂VMnO₆ Ordered Double Perovskite Thin Films
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J. Phys. Soc. Jpn., **80** (2011) 023711.

N. Abe, K. Taniguchi, H. Sagayama, H. Umetsu and T. Arima
Correlation between the Mobility of Domain Wall and Polarization Flop Direction in a Slanted Magnetic Field in the Helimagnetic Ferroelectrics Tb_{1-x}Dy_xMnO₃
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Atomic and Valence-Band Electronic Structures of the Epitaxial SiON Layer on the SiC(0001): X-Ray Diffraction and Angle-Resolved Photoemission Spectroscopy Investigations
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Magnetic-Field Effects on Jahn-Teller Distortion in Ferroelastic Magnetic Insulator Fe_{1-x}Mn_xCr₂O₄
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T. Noguchi, T. Nakamura, T. Ushikubo, N. T. Kita, J. W. Valley, R. Yamanaka, Y. Kimoto and Y. Kitazawa
A Chondrule-Like Object Captured by Space-Exposed Aerogel on the International Space Station
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Single Grain Noble Gas Analysis of Antarctic Micrometeorites by Stepwise Heating Method with a Newly Constructed Miniature Furnace
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Composition and Accretion Rate of Fossil Micrometeorites Recovered in Middle Triassic Deep-Sea Deposits
Geology, **39** (2011) 567.

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S. Obara, R. Kobayashi, S. Yagi, Y. Tohyama, G. Kutluk, T. Osawa, K. Ogura, T. Shibata, Y. Azuma and T. Nagata

A Crossed Photon-Atom Beam Method for Absolute Measurement of Total Photoionization Cross Sections on Isolated Metal Atoms: Measurements on Ba and Eu Atoms
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H. Fujimoto, A. Waseda and X. Zhang
Profile Measurement of Polished Surface with Respect to a Lattice Plane of a Silicon Crystal using a Self-Referenced Lattice Comparator
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Homogeneity Characterization of Lattice Spacing of Silicon Single Crystals by a Self-Referenced Lattice Comparator
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N. Watanabe, T. Sasaya, Y. Imai, S. Iwata, K. Zama and S. Aoki
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Metrologia, **48** (2011) E01.

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Elemental Mapping Using Full-Field Fluorescence Imaging Microscope
Oyo Butsuri, **80** (2011) 983, (*in Japanese*).

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Remarkable Effect of Lateral Substituent on the Molecular Ordering of Chiral Liquid Crystal Phases: A Novel Bromo-Containing Dichiral Compound Showing SmC* Variants

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Environmental and Experimental Botany, **74** (2011) 56.

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Densification of (Na,K)NbO₃ Piezoelectric Ceramics by Two-Step Mixing Process

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K. Omoto, T. Hashimoto, K. Sasaki, T. Terai, T. Hoshino and M. Yashima

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