

発表論文リスト

SPring-8年報は年度毎に発刊されているが、論文リストに関しては発刊年で編集している。今回は、2008年（1月～12月）に発表された原著論文で、2008年6月30日までにSPring-8研究成果発表データベースに登録された論文を掲載している。

それぞれのデータは、SPring-8研究成果発表データベースの登録レコード番号、論文タイトル、雑誌名、巻、発行年、掲載ページ、著者名を順に示す。

共用ビームライン

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- 11748
Abiotic Reduction of Antimony(V) by Green Rust
(Fe₄(II)Fe₂(III)(OH)₁₂SO₄·3H₂O)
Chemosphere, **70** (2008) 942-947
Satoshi Mitsunobu, Yoshio Takahashi, Yoichi Sakai
- 12085
Local Structure of TiO₂-Derived Nanotubes Prepared by the
Hydrothermal Process
The Journal of Physical Chemistry C, **112** (2008) 1658-1662
Atsushi Nakahira, Takashi Kubo
- 12193
Promotion of Oxidation and Reduction of Rh Species by
Interaction of Rh and CeO₂ over Rh/CeO₂/SiO₂
The Journal of Physical Chemistry C, **112** (2008) 2574-2583
Tomohisa Miyazawa, Kazu Okumura, Kimio Kunimori,
Keiichi Tomishige
- 12195
Catalytic Conversion of Biomass : Catalyst Development and
the Elucidation of the Reaction Mechanism
Doctor Thesis (University of Tsukuba), (2008) 1-173
Tomohisa Miyazawa
- 12197
Catalytic Performance and QXAFS Analysis of Ni Catalysts
Modified with Pd for Oxidative Steam Reforming of Methane
Catalysis Today, **132** (2008) 101-108
Yuya Mukainakano, Kaori Yoshida, Kazu Okumura, Kimio
Kunimori, Keiichi Tomishige
- 12205
Transient Intermediates from Mn(salen) with Sterically
Hindered Mesityl Groups : Interconversion between Mn^{IV}-
Phenolate and Mn^{III}-Phenoxy Radicals as an Origin for
Unique Reactivity
Inorganic Chemistry, **47** (2008) 1674-1686
Takuya Kurahashi
- 12281
Effect of Post-Calcination on Photocatalytic Activity of
(Ga_{1-x}Zn_x)(N_{1-x}O_x) Solid Solution for Overall Water Splitting
under Visible Light
Journal of Catalysis, **254** (2008) 198-204
Kazuhiko Maeda, Kentaro Teramura, Kazunari Domen
- 12389
Phase Transition and Extended X-ray Absorption Fine
Structure of Melt-Spun Amorphous Fe_{100-x}Y_x Alloys
Journal of Magnetism and Magnetic Materials, **320** (2008)
1503-1511
Hideaki Takano, Kazuo Yano, Ikuo Nakai
- 12396
Factors Controlling Electron Transport Properties in Transparent
Amorphous Oxide Semiconductors
Journal of Non-Crystalline Solids, **354** (2008) 2796-2800
Hideo Hosono, Kenji Nomura, Youichi Ogo, Tomoya Uruga,
Toshio Kamiya
- 12414
Structural Analysis of Tungsten-Zirconium Oxide Catalyst by
W K-edge and L₁-edge XAFS
X-Ray Spectrometry, **37** (2008) 226-231
Takashi Yamamoto, Akihiro Orita, Tsunehiro Tanaka
- 12571
XAFS Study of Tungsten L₁- and L₃-Edges : Structural
Analysis of WO₃ Species Loaded on TiO₂ as a Catalyst for
Photo-oxidation of NH₃

- The Journal of Physical Chemistry C, **112** (2008) 6869-6879
Seiji Yamazoe, Yutaka Hitomi, Tetsuya Shishido, Tsunehiro Tanaka
- 12579
Sintering and Redispersion Behavior of Pt on Pt/MgO
Journal of Catalysis, **257** (2008) 117-124
Toshitaka Tanabe, Yasutaka Nagai, Kazuhiko Dohmae, Hideo Sobukawa, Hirohumi Shinjoh
- 12607
Local Structure of Y and Ho in Calcite and its Relevance to Y Fractionation from Ho in Partitioning between Calcite and Aqueous Solution
Chemical Geology, **248** (2008) 104-113
Kasuya Tanaka, Yoshio Takahashi, Hiroshi Shimizu
- 12678
Chemical States of Trace elements in Sewage Sludge Incineration Ash by Using X-ray Absorption Fine Structure
Water Science and Technology, **57** (2008) 411-417
Masaki Takaoka, Takashi Yamamoto, Shigeki Fujiwara, Kazuyuki Oshita, Nobuo Takeda, Tsunehiro Tanaka, Tomoya Uruga
- 12700
Changes in Chemical State and Local Structure of Green Rust by Addition of Copper Sulphate Ions
Corrosion Science, **50** (2008) 1761-1765
Shigeru Suzuki, Kozo Shinoda, Masugu Sato, Shinji Fujimoto, Masato Yamashita, Hiroyuki Konishi, Takashi Doi, Takayuki Kamimura, Katsuya Inoue, Yoshio Waseda
- 12729
Origin of the Difference in the Distribution Behavior of Tellurium and Selenium in a Soil-Water System
Geochimica et Cosmochimica Acta, **72** (2008) 1281-1294
Yoshio Takahashi, Teppei Harada
- 12730
Superiority of K-edge XANES over L_{III}-edge XANES in the Speciation of Iodine in Natural Soils
Analytical Sciences, **24** (2008) 405-409
Yoko Shimamoto, Yoshio Takahashi
- 12806
Detection of Pb-LIII Edge XANES Spectra of urban Atmospheric Particles Combined with Simple Acid Extraction
Science of the Total Environment, **403** (2008) 230-234
Kunihiro Funasaka, Toshiki Tojo, Hajime Tanida, Kenshi Katahira, Masanao Shinya, Takeji Miyazaki, Toshikazu Kamiura, Osamu Yamamoto, Moriwaki Hiroshi, Masaki Takaoka
- 13238
Effect of Ti⁴⁺ Substitution on Structural, Transport and Magnetic Properties of La_{0.67}Sr_{0.33}Mn_{1-x}Ti_xO₃
Journal of Physics : Condensed Matter, **20** (2008) 075203
Vishwajeet Kulkarni, Kaustubh Priolkar, Prabhakar Sarode, Rajeev Rawat, Banerjee Alok, Shuichi Emura
- 13239
Local Structural Changes in Paramagnetic and Charge-ordered Phases of Sm_{0.2}Pr_{0.3}Sr_{0.5}MnO₃ : an EXAFS Study
Journal of Physics : Condensed Matter, **20** (2008) 335227
Kaustubh Priolkar, Vishwajeet Kulkarni, Prabhakar Sarode, Shuichi Emura
- 13311
High-Sensitive Measurement of Uranium L_{III}-Edge X-ray Absorption Near-Edge Structure (XANES) for the Determination of the Oxidation States of Uranium in Crustal Materials
Applied Geochemistry, **23** (2008) 2452-2461
Yoshio Takahashi, Yuhei Yamamoto, Hiroshi Shimizu, Yasuko Terada, Hajime Tanida, Tomoya Uruga
- 13313
Multiple-Scattering Approach to Sn L₃-edge X-ray Absorption Near-Edge Structure (XANES) Analyses for Organic Tin Compounds
Polyhedron, **27** (2008) 3146-3150
Takuya Akatsuka, Yoshio Takahashi, Shin-ichi Nagamatsu, Mayuko Ushiro, Takashi Fujikawa
- 13314
Selective Detection of Fe and Mn Species at Mineral Surfaces in Weathered Granite by Conversion Electron Yield X-ray Absorption Fine Structure
Applied Geochemistry, **23** (2008) 2667-2675
Takaaki Itai, Yoshio Takahashi, Tomoya Uruga, Hajime Tanida, Atsuo Iida
- 13315
Oxidation States of Antimony and Arsenic in Marine Ferromanganese Oxides Related to Their Fractionation in Oxidation States of Uranium in Crustal Materials
Applied Geochemistry, **23** (2008) 2452-2461
Yoshio Takahashi, Yuhei Yamamoto, Hiroshi Shimizu, Yasuko Terada, Hajime Tanida, Tomoya Uruga

Marine Environment

Chemistry Letters, **37** (2008) 756-757

Teruhiko Kasiwabara, Yoshio Takahashi, Anirban Das, Masaharu Tanimizu, Takaaki Itai, Satoshi Mitsunobu

13424

Characterization of Fe(III) (hydr)oxides in Arsenic Contaminated Soil under Various Redox Conditions by XAFS and Mössbauer Spectroscopies

Applied Geochemistry, **23** (2008) 3236-3243

Satoshi Mitsunobu, Yoichi Sakai, Yoshio Takahashi

13462

Photoinduced Reversible Structural Transformation and Selective Oxidation Catalysis of Unsaturated Ruthenium Complexes Supported on SiO₂

Angewandte Chemie International Edition, **47** (2008) 9252-9255

Mizuki Tada, Yusaku Akatsuka, Yong Yang, Takehiko Sasaki, Mutsuo Kinoshita, Ken Motokura, Yasuhiro Iwasawa

13565

Speciation of Antimony in PET Bottles Produced in Japan and China by X-ray Absorption Fine Structure Spectroscopy

Environmental Science & Technology **42** (2008) 9045-9050

Yoshio Takahashi, Kyoko Sakuma, Takaaki Itai, Satoshi Mitsunobu, Guodong Zheng

14280

Oxidative Steam Reforming of Methane over Ni/ α -Al₂O₃ Modified with Trace Pd

Applied Catalysis A : General, **341** (2008) 217-225

Kaori Yoshida, Kazu Okumura, Toshihiro Miyao, Shuichi Naito, Shin-ichi Ito, Kimio Kunimori, Keiichi Tomishige

14281

Promoting Effect of Co Addition on the Catalytic Partial Oxidation of Methane

at Short Contact Time over a Rh/MgO Catalyst

Journal of Catalysis, **259** (2008) 138-146

Seiji Naito, Kazu Okumura, Shigeru Kado, Toshihiro Miyao, Shuichi Naito, Kimio Kunimori, Hisanori Tanaka, Keiichi Tomishige

14349

Local Environment Analysis of Mn Ions in β -tricalcium Phosphate

Journal of the Ceramic Society of Japan, **116** (2008) 108-110

Kazuhiro Kawabata, Tomoyuki Yamamoto

BL02B1

12278

Distribution of Residual Stresses in EB-PVD Thermal Barrier Coatings

Materials Science Forum, **571-572** (2008) 333-338

Kenji Suzuki, Takahisa Shobu, Keisuke Tanaka

12391

Residual Stresses and Structure of EB-PVD Thermal Barrier Coatings Exposed at High Temperature

日本機械学会論文集A編 (Transactions of the Japan Society of Mechanical Engineers, Series A), **74** (2008) 370-376

Kenji Suzuki, Takahisa Shobu, Kunihiko Wada, Hideaki Matsubara

12409

In-Situ Synchrotron Measurement of Internal Stresses in Solid-Oxide Fuel Cell during Red-Ox Cycle

Materials Science Forum, **571-572** (2008) 339-344

Keisuke Tanaka, Yoshiaki Akiniwa, Hidehiko Kimura, Kenji Ukai, Misuzu Yokoyama, Yasunobu Mizutani

12805

Microstructure and Residual Stress of EB-PVD TBCs Grown under Substrate Rotation

材料 (Journal of the Society of Materials Science, Japan), **57** (2008) 674-680

Kenji Suzuki, Takahisa Shobu, Kunihiko Wada, Hideaki Matsubara, Masashi Kawamura

12814

Non-thermal Evidence for Current-Induced Melting of Charge Order in θ -(BEDT-TTF)₂CsZn(SCN)₄

Journal of the Physical Society of Japan, **77** (2008) 065004

Masashi Watanabe, Yoshio Nogami, Ichiro Terasaki, Kenichiro Yamamoto, Takayoshi Ito, Yusaku Nakashima, Makoto Tanabe, Noriaki Hanasaki, Naoshi Ikeda, Hiroyuki Ohsumi, Hidenori Toyokawa, Yukio Noda, Fumiaki Sawano, Tomohiro Suko, Hatsumi Mori, Takehiko Mori

13118

Constructing Highly Conducting Metal-Metal Bonded Solids by Electrocrystallization of [Pt^{II}₂(RCS₂)₄] (RCS₂⁻ = Dithiocarboxylato, R = Methyl or Ethyl)

Journal of the American Chemical Society, **130** (2008) 14102-

- 14104
Minoru Mitsumi, Hidekazu Ueda, Kazumi Furukawa, Yoshiki Ozawa, Koshiro Toriumi
- BL02B2**
- 12060
Defect-induced Short-range-order from a Spin-ice Related State in Deformed Pyrochlore Structure $\text{Co}_2(\text{OH})_3\text{Cl}$
Physical Review B, **77** (2008) 024418
Xu-Guang Zheng, Masato Hagihara, Tatsuya Kawae, C. N. Xu
- 12130
Coordination Structure Changes of Linear Cobalt(II) Triazole Complexes Induced by Binding of Long-chained Alcohols: Adaptive Molecular Clefts
Chemistry Letters, **37** (2008) 192-193
Keita Kuroiwa, Nobuo Kimizuka
- 12200
Conducting Dimerized Cobalt Complexes with Tetrathiafulvalene Dithiolate Ligands
Inorganic Chemistry, **47** (2008) 863-874
Emiko Fujisawa, Kazumasa Hosoya, Akiko Kobayashi, Hisashi Tanaka, Madoka Tokumoto, Yoshinori Okano, Hideki Fujiwaya, Hayao Kobayashi, Yuichi Fujishiro, Eiji Nishibori, Masaki Takata, Makoto Sakata
- 12311
Cooperative Dehydrogenating Mechanism in a Mechanically Milled Mg-50 mass% ZrMn_2 Composite
Journal of Alloys and Compounds, **455** (2008) 385-391
Yoshikazu Makihara, Kazumi Umeda, Fumiya Shoji, Kenichi Kato, Yoshio Miyairi
- 12339
Control of the Mode of Polymorphic Transition Inducing Preferential Enrichment by Modifying the Molecular Structure or Adding Seed Crystals: Significant Influence of CH/F Hydrogen Bonds
Crystal Growth & Design, **8** (2008) 540-548
Masahiro Horiguchi, Shinichiro Okuhara, Eiji Shimano, Daisuke Fujimoto, Hiroki Takahashi, Hirohito Tsue, Rui Tamura
- 12415
Crystal Structure of Martensite and Intermediate Phases in Ni_2MnGa Studied by Neutron Diffraction
The European Physical Journal -Special Topics, **158** (2008) 87-92
- 12433
Modulation-doped-semiconductorlike Behavior Manifested in Magnetotransport Measurements of Li_xZrNCl Layered Superconductors
Physical Review B, **77** (2008) 104518
Takumi Takano, Tsukasa Kishiume, Yasujiro Taguchi, Yoshihiro Iwasa
- 12452
Structural Characteristics of GeTe-rich $\text{GeTe-Sb}_2\text{Te}_3$ Pseudobinary Metastable Crystals
Journal of Applied Physics, **103** (2008) 093511
Toshiyuki Matsunaga, Hiromi Morita, Rie Kojima, Noboru Yamada, Kouichi Kifune, Yoshiki Kubota, Y. Tabata, Jungjin Kim, Masaaki Kobata, Eiji Ikenaga, Keisuke Kobayashi
- 12533
Structural and Magnetic Properties of Spinel FeV_2O_4 with Two Ions Having Orbital Degrees of Freedom
Journal of the Physical Society of Japan, **77** (2008) 053708
Takuro Katsufuji, Takehito Suzuki, Haruki Takei, Masao Shingu, Kenichi Kato, Keiichi Osaka, Masaki Takata, Hajime Sagayama, Taka-hisa Arima
- 12670
Structural Disorder in the Cubic $\text{Ce}_{0.5}\text{Zr}_{0.5}\text{O}_2$ Catalyst : A Possible Factor of the High Catalytic Activity
Applied Physics Letters, **92** (2008) 101921
Takahiro Wakita, Masatomo Yashima
- 12671
Sm-Sb Bond Length in Mixed-Valence System of $\text{SmOs}_4\text{Sb}_{12}$
Journal of the Physical Society of Japan, **77** (2008) 073601
Masami Tsubota, Satoshi Tsutsui, Daisuke Kikuchi, Hitoshi Sugawara, Hideyuki Sato, Youichi Murakami
- 12672
Charge and Magnetic Orderings in the Triangular-Lattice Antiferromagnet InFe_2O_4
Journal of the Physical Society of Japan, **77** (2008) 064803
Kengo Oka, Masaki Azuma, Naoaki Hayashi, Shigetoshi Muranaka, Yasuo Narumi, Koichi Kindo, Shinya Ayukawa,

- Masatsune Kato, Yoji Koike, Yuichi Shimakawa, Mikio Takano
12726
Metallic Behavior in A-site-Ordered Perovskites $ACu_3V_4O_{12}$ with $A = Na^+, Ca^{2+},$ and Y^{3+}
Journal of the Physical Society of Japan, **77** (2008) 064705
Hiroshi Shiraki, Takashi Saito, Masaki Azuma, Yuichi Shimakawa
- 12738
Relationship between MPB and Emergence of Structural Boundary in Cubic Phase of Pb-Based Perovskite-Type Solid Solutions PZT and PZN-PT
Transactions of the Materials Research Society of Japan, **33** (2008) 47-52
Yoshihiro Terado, Chikako Moriyoshi, Yoshihiro Kuroiwa, Yasuhisa Yamamura, Makoto Iwata
- 12849
Electronic Phase Diagram of Valence-Controlled Cyanide: $Na_{0.84-\delta}Co[Fe(CN)_6]_{0.71} \cdot 3.8H_2O$ ($0 \leq \delta \leq 0.61$)
Physical Review B, **77** (2008) 224436
Fumiya Nakada, Hayato Kamioka, Yutaka Moritomo, Jungeun Kim, Masaki Takata
- 12850
Dynamics of Charge-Transfer Pairs in the Cyano-Bridged Co^{2+} - Fe^{3+} Transition-Metal Compound
Physical Review B, **77** (2008) 180301(R)
Hayato Kamioka, Yutaka Moritomo, Wataru Kosaka, Shinichi Ohkoshi
- 12852
Desorption-Induced First-Order Phase Transition in a Cyano-Bridged Compound
Applied Physics Letters, **92** (2008) 141907
Yutaka Moritomo, Fumiya Nakada, Hayato Kamioka, Jungeun Kim, Masaki Takata
- 12862
Structural and Physical Properties of Heavily Doped Yttrium Vanadate : $Y_{0.6}Cd_{0.4}VO_3$
Chemistry of Materials, **20** (2008) 5246-5252
Alexei Belik, Masahiro Nagao, Masaki Azuma, Mikio Takano, Yoshio Matsui, Eiji Takayama-Muromachi
- 12948
A Perovskite Containing Quadrivalent Iron as a Charge-Disproportionated Ferrimagnet
Angewandte Chemie International Edition, **47** (2008) 7032-7035
Ikuya Yamada, Kazuhide Takata, Naoaki Hayashi, Satoshi Shinohara, Masaki Azuma, Shigeo Mori, Shigetoshi Muranaka, Yuichi Shimakawa, Mikio Takano
- 12971
Structural Features of $Ge_1Sb_4Te_7$, an Intermetallic Compound in the $GeTe$ - Sb_2Te_3 Homologous Series
Chemistry of Materials, **20** (2008) 5750-5755
Toshiyuki Matsunaga, Rie Kojima, Noboru Yamada, Kouichi Kifune, Yoshiki Kubota, Masaki Takata
- 13013
Systematic Studies on Structural Parameters for Nanotubular Assembly of Hexa-*peri*-hexabenzocoronenes
Journal of the American Chemical Society, **130** (2008) 9434-9440
Wusong Jin, Yohei Yamamoto, Takanori Fukushima, Noriyuki Ishii, Jungeun Kim, Kenichi Kato, Masaki Takata, Takuzo Aida
- 13046
Polarized ff-Emission of Terbium(III) by using the Stretched Polymer Film Technique
Journal of Photopolymer Science and Technology, **21** (2008) 333-338
Miki Hasegawa, Ayumi Ishii, Koichiro Furukawa, Hideki Ohtsu
- 13087
Crystal Structures and Properties of $BiMn_{1-x}Al_xO_3$ with $x = 0.03$ and 0.1
Materials Research Bulletin, **43** (2008) 3179-3187
Alexei Belik, Eiji Takayama-Muromachi
- 13241
Crystallographic Phase Transition and High- T_c Superconductivity in $LaFeAsO:F$
Superconductor Science and Technology, **21** (2008) 125028
Takatoshi Nomura, Sungwng Kim, Yoichi Kamihara, Masahiro Hirano, Peter V. Sushko, Alexander L. Shluger, Kenichi Kato, Masaki Takata, Hideo Hosono

- 13391
Azacalix[7]arene Heptamethyl Ether : Preparation, Nanochannel Crystal Structure, and Selective Adsorption of Carbon Dioxide
The Journal of Organic Chemistry, **73** (2008) 7748-7755
Hirohito Tsue, Kazuhiro Matsui, Koichi Ishibashi, Hiroki Takahashi, Satoshi Tokita, Kohei Ono, Rui Tamura
- 13409
Structural and Magnetic Properties of A-Site-Ordered Perovskites $ACu_3Sn_4O_{12}$ with $A = Ca^{2+}, Sr^{2+},$ and Pb^{2+}
Chemistry of Materials, **20** (2008) 7077-7080
Hirosi Shiraki, Takashi Saito, Yuichi Shimakawa
- 13410
Charge Density Distribution of $KMnF_3$ under High Pressure
Physical Review B, **78** (2008) 224102
Shinobu Aoyagi, Seiichi Toda, Eiji Nishibori, Yoshihiro Kuroiwa, Yasuo Ohishi, Masaki Takata, Makoto Sakata
- 13502
Nanosize Effects on Hydrogen Storage in Palladium
The Journal of Physical Chemistry C, **112** (2008) 3294-3299
Miho Yamauchi, Ryuichi Ikeda, Hiroshi Kitagawa, Masaki Takata
- 13817
Energetics of Endohedral Atoms in Type-I Clathrates Observed by Soft X-ray Spectroscopy
Physical Review B, **78** (2008) 085203
Katsumi Tanigaki, Jun Tang, Takeshi Rachi, Ryotaro Kumashiro, FangZhun Guo
- 13981
Quantum Sieving Effect of Three-Dimensional Cu-Based Organic Framework for H_2 and D_2
Journal of the American Chemical Society, **130** (2008) 6367-6372
Katsumi Kaneko, Daisuke Noguchi, Hideki Tanaka, Atsushi Kondo, Hiroshi Kajiro, Hiroshi Noguchi, Tomonori Ohba, Hirofumi Kanoh
- 14017
Giant Negative Thermal Expansion in Magnetic Nanocrystals
Nature Nanotechnology, **3** (2008) 724-726
Xu-Guang Zheng, Hiroto Kubozono, Hiroshi Yamada, Kenichi Kato, Youichi Ishiwata, Chao-Nan Xu
- 14030
Structure and Electronic Properties of Mg-doped β -rhombohedral Boron Constructed from Icosahedral Clusters
Physical Review B, **77** (2008) 024515
Hiroshi Hyodo, Shizuka Hosoi, S. Araake, K. Soga, Y. Sato, M. Terauchi, Kaoru Kimura
- 14031
Electron Density Distribution of α -gallium
Transactions of the Materials Research Society of Japan, **33** (2008) 303-306
Shizuka Hosoi, Kaoru Kimura, Kenichi Kato, Masaki Takata
- 14273
Ab initio Structure Determination of a Pharmaceutical Compound, Prednisolone Succinate, from Synchrotron Powder Data by Combination of a Genetic Algorithm and the Maximum Entropy Method
Journal of Applied Crystallography, **41** (2008) 293-301
Eiji Nishibori, Tadakatsu Ogura, Shinobu Aoyagi, Makoto Sakata
- 14296
Electron Charge Density Study of $(Na_{1-x}K_x)NbO_3$ in Cubic Structure
Japanese Journal of Applied Physics, **47** (2008) 7745-7748
Chikako Moriyoshi, Jun-ichi Kato, Yoshihiro Terado, Satoshi Wada, Masaki Takata, Yoshihiro Kuroiwa
- 14299
Preparation of Barium Titanate - Potassium Niobate Solid Solution System Ceramics and Their Piezoelectric Properties
Japanese Journal of Applied Physics, **47** (2008) 7678-7684
Satoshi Wada, Momoyo Nitta, Nobuhiro Kumada, Daisuke Tanaka, Masahito Furukawa, Satoshi Ohno, Chikako Moriyoshi, Yoshihiro Kuroiwa
- 14301
Preparation of Highly Dispersed Barium Titanate Nanoparticles from Barium Titanate Oxalate Nanoparticles and Their Dielectric Properties
Japanese Journal of Applied Physics, **47** (2008) 7612-7616
Satoshi Wada, Shuhei Kondo, Chikako Moriyoshi, Yoshihiro Kuroiwa
- 14303
Composite Structure and Size Effect of Barium Titanate Nanoparticles
Applied Physics Letters, **93** (2008) 192914
Takuya Hoshina, Satoshi Wada, Yoshihiro Kuroiwa, Takaaki

Tsurumi

14306

Effects of Oxygen Pressure during Crystal Growth on the Polarization Properties in $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ Single Crystals

Transactions of the Materials Research Society of Japan, **33** (2008) 53-56

Katsuya Yamamoto, Yuuki Kitanaka, Muneyasu Suzuki, Yuji Noguchi, Masaru Miyayama, Chikako Moriyoshi, Yoshihiro Kuroiwa

14307

Giant Strain in $(\text{Bi}_{0.5}\text{Na}_{0.5})\text{TiO}_3$ -based Single Crystals

Applied Physics Letters, **92** (2008) 182905

Shunsuke Teranishi, Muneyasu Suzuki, Yuji Noguchi, Masaru Miyayama, Chikako Moriyoshi, Yoshihiro Kuroiwa, Katsunori Tawa, Shigeo Mori

14308

Luminescence Mechanism of (Pr, Al)-Doped SrTiO_3 Fine Particle Investigated by X-Ray Absorption Spectroscopy

Physical Review B, **78** (2008) 073103

Masataka Deguchi, Nobuo Nakajima, Kazutoshi Kawakami, Naoki Ishimatsu, Hiroshi Maruyama, Chikako Moriyoshi, Yoshihiro Kuroiwa

14332

Cation Disorder and Phase Transitions in the Four-Layer Ferroelectric Aurivillius Phases $\text{ABi}_4\text{Ti}_4\text{O}_{15}$ ($A=\text{Ca}, \text{Sr}, \text{Ba}, \text{Pb}$)

Journal of Solid State Chemistry, **181** (2008) 1377-1386

Brendan Kennedy, Zhou Qingdi, Ismu Nandar, Yoshiki Kubota, Kenichi Kato

14334

On the Nature of Strong Hydrogen Atom Trapping Inside Pd Nanoparticles

Journal of the American Chemical Society, **130** (2008) 1828-1829

Hirokazu Kobayashi, Miho Yamauchi, Hiroshi Kitagawa, Yoshiki Kubota, Kenichi Kato, Masaki Takata

14335

Argon Adsorption on MCM-41 Mesoporous Crystal Studied by In Situ Synchrotron Powder X-ray Diffraction

The Journal of Physical Chemistry C, **112** (2008) 10803-10813

Norihiro Muroyama, Arisa Yoshimura, Yoshiki Kubota, Keiichi Miyasaka, Tetsu Ohsuna, Ryoo Ryong, Ravikovitch Peter, Neimark Alexander, Masaki Takata, Osamu Terasaki

14336

Hydrogen Absorption in the Core/Shell Interface of Pd/Pt Nanoparticles

Journal of the American Chemical Society, **130** (2008) 1818-1819

Hirokazu Kobayashi, Miho Yamauchi, Hiroshi Kitagawa, Yoshiki Kubota, Kenichi Kato, Masaki Takata

14343

Nanochannels of Two Distinct Cross-Sections in a Porous Al-Based Coordination Polymer

Journal of the American Chemical Society, **130** (2008) 13664-13672

Angiolina Comotti, Silvia Bracco, Piero Sozzani, Satoshi Horike, Ryotaro Matsuda, Jinxi Chen, Masaki Takata, Yoshiki Kubota, Susumu Kitagawa

14344

Kinetic Gate-Opening Process in a Flexible Porous Coordination Polymer

Angewandte Chemie International Edition, **47** (2008) 3914-3918

Daisuke Tanaka, Keiji Nakagawa, Masakazu Higuchi, Satoshi Horike, Yoshiki Kubota, Tatsuo Kobayashi, Masaki Takata, Susumu Kitagawa

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12263

Elastic Wave Velocities of $(\text{Mg}_{0.91}\text{Fe}_{0.09})_2\text{SiO}_4$ Ringwoodite under P - T Conditions of the Mantle Transition Region

Physics of the Earth and Planetary Interiors, **166** (2008) 167-174

Yuji Higo, Toru Inoue, Tetsuo Irifune, Kenichi Funakoshi, Baosheng Li

12596

Temperature-Pressure-Volume Equation of State of the $B2$ Phase of Sodium Chloride

Journal of Applied Physics, **103** (2008) 113513

Yasuhiro Ueda, Masanori Matsui, Ayako Yokoyama, Yoshinori Tange, Kenichi Funakoshi

13010

Exploratory Study of the New B-doped Diamond Heater at High Pressure and Temperature and Its Application to *in situ* XRD Experiments on Hydrous Mg-silicate Melt

High Pressure Research, **28** (2008) 255-264

Akihiro Yamada, Tetsuo Irifune, Hitoshi Sumiya, Yuji Higo, Toru Inoue, Kenichi Funakoshi

- 13484
Pressure Generation to 80 GPa Using Multianvil Apparatus with Sintered Diamond Anvils
High Pressure Research, **28** (2008) 245-254
Yoshinori Tange, Tetsuo Irifune, Kenichi Funakoshi
- 13634
Pressure Generation in a 6-8-2 Type Multi-Anvil System: A Performance Test for Third-Stage Anvils with Various Diamonds
High Pressure Research, **28** (2008) 237-244
Takehiro Kunimoto, Tetsuo Irifune, Hitoshi Sumiya
- 13668
Post-Perovskite Transformation in Germanates Using Sintered Diamond Anvils
高圧力の科学と技術 (The Review of High Pressure Science and Technology), **18** (2008) 254-259
Daisuke Yamazaki, Eiji Ito
- BL04B2**
- 11835
Intermediate-range Order in Mesoporous Silicas Investigated by a High-energy X-ray Diffraction Technique
Chemistry Letters, **37** (2008) 30-31
Toru Wakihara, Wei Fan, Shinji Kohara, Gopinathan Sankar, Masaru Ogura, Tatsuya Okubo
- 11866
Structural Study of $(\text{Li}_2\text{S})_{50}(\text{GeS}_2)_{50}$ Glass by X-ray and Neutron Diffraction
Journal of Non-Crystalline Solids, **354** (2008) 150-154
Keiji Itoh, Masashi Sonobe, Masaaki Sugiyama, Kazuhiro Mori, Toshiharu Fukunaga
- 12304
Structure of Eutectic Alloys of Au with Si and Ge
Journal of Alloys and Compounds, **452** (2008) 149-153
Shin'ichi Takeda, Yukinobu Kawakita, Shuuta Tahara, Shinji Nakashima, Shinji Kohara, Masayoshi Ito
- 12380
Structural Study of Expanded Fluid Cesium
Journal of Physics: Conference Series, **98** (2008) 012003
Kazuhiro Matsuda, Satoshi Naruse, Kentaro Hayashi, Kozaburo Tamura, Masanori Inui, Yukio Kajihara
- 12381
Structural and Electronic Properties of Expanding Fluid Metals
Journal of Physics: Condensed Matter, **20** (2008) 114102
Kozaburo Tamura, Masanori Inui, Kazuhiro Matsuda
- 12435
Static Structure of Superionic Conducting Glass of Ag-Ge-Se System
Journal of Physics: Conference Series, **98** (2008) 012021
Ryosuke Suenaga, Yukinobu Kawakita, Shinji Nakashima, Shuuta Tahara, Shinji Kohara, Shin'ichi Takeda
- 12564
Void Distributions in Liquid BiBr_3
Journal of Physics: Conference Series, **98** (2008) 012019
Kenji Maruyama, Hirohisa Endo, Hideoki Hoshino, Yukinobu Kawakita, Shinji Kohara, Masayoshi Ito
- 12567
Synthesis and Structure of a Hexacoordinate Carbon Compound
Journal of the American Chemical Society, **130** (2008) 6894-6895
Torahiko Yamaguchi, Yohsuke Yamamoto, Daisuke Kinoshita, Kin-ya Akiba, Yun Zhang, Christopher A. Reed, Daisuke Hashizume, Fujiko Iwasaki
- 12627
Structural Fluctuations in Expanded Fluid Se Accompanying the Semiconductor-Metal Transition
Journal of Physics: Conference Series, **98** (2008) 012028
Masanori Inui, Kazuhiro Matsuda, Daisuke Ishikawa, Yukio Kajihara, Kozaburo Tamura
- 12705
Refractive Index Calculation using the Structural Properties of $\text{La}_4\text{Ti}_9\text{O}_{24}$ Glass
Journal of Applied Physics, **103** (2008) 094905
Yasutomo Arai, Keiji Itoh, Shinji Kohara, Jianding Yu
- 12732
Very Strong Hydrogen Bonds in a Bent Chain Structure of Fluorohydrogenate Anions in Liquid $\text{Cs}(\text{FH})_{2,3}\text{F}$
The Journal of Chemical Physics, **129** (2008) 014512
Shinji Kohara, Masaki Takata, Kazuhiko Matsumoto, Rika Hagiwara, Kentaro Suzuya, Hidetoshi Morita, Joan Siewenie, Chris Benmore

- 12804
Orientational Correlations in High-Pressure Fluid Oxygen and Nitrogen
Physical Review B, **78** (2008) 014205
László Temleitner, Laszlo Pusztai, Yuichi Akahama, Haruki Kawamura, Shinji Kohara, Yasuo Ohishi, Masaki Takata
- 12830
Small-Angle X-ray Scattering of Supercritical Fluid Hg: Bi-impurity Effect
Journal of Physics: Conference Series, **98** (2008) 012002
Yukio Kajihara, Masanori Inui, Kazuhiro Matsuda, Kozaburo Tamura
- 12959
Liquid Structure and Conformation of a Low-Viscosity Ionic Liquid, *N*-methyl-*N*-propyl-pyrrolidinium Bis(fluorosulfonyl) Imide Studied by High-Energy X-ray Scattering
Journal of Molecular Liquids, **143** (2008) 64-69
Kenta Fujii, Shiro Seki, Shinji Kohara, Yasuo Kameda, Toshiyuki Takamuku, Yasuhiro Umebayashi, Shin-ichi Ishiguro
- 13114
Local Structure of BiFeO₃-BaTiO₃ Mixture
Japanese Journal of Applied Physics Series, **47** (2008) 7590-7594
Yasuhiro Yoneda, Kenji Yoshii, Shinji Kohara, Shuji Kitagawa, Shigeo Mori
- 13162
Micro-solvent Cluster Extraction Using Aqueous Mixed Solvents of Ionic Liquid
Analytical Sciences, **24** (2008) 1239-1244
Thiraporn Charoenraks, Masaaki Tabata, Kenta Fujii
- 13288
Amorphization of Faujasite at High Pressure : an X-ray Diffraction and Raman Spectroscopy Study
Journal of Materials Chemistry, **18** (2008) 5705-5844
Aude Isambert, Emmanuel Angot, Philippe Hébert, Julien Haines, Claire Levelut, Rozenn Le Parc, Yasuo Ohishi, Shinji Kohara, David Keen
- BL08W**
- 11949
Momentum-density Distribution of Magnetic Electrons in Ferromagnetic Nickel
Journal of Physics : Condensed Matter, **20** (2008) 055201
- Toshihiro Nagao, Yasunori Kubo, Akihisa Koizumi, Hisao Kobayashi, Masayoshi Itou, Nobuhiko Sakai
- 12304
Structure of Eutectic Alloys of Au with Si and Ge
Journal of Alloys and Compounds, **452** (2008) 149-153
Shin'ichi Takeda, Yukinobu Kawakita, Shuuta Tahara, Shinji Nakashima, Shinji Kohara, Masayoshi Itou
- 12353
Fundamental Research for Forensic Characterization of Soil Samples by Using Instrumental Analysis
日本法科学技術学会誌 (Japanese Journal of Forensic Science and Technology), **13** (2008) 25-36
Eishi Aoki, Akiko Hokura, Izumi Nakai, Yasuko Terada
- 12564
Void Distributions in Liquid BiBr₃
Journal of Physics: Conference Series, **98** (2008) 012019
Kenji Maruyama, Hirohisa Endo, Hideoki Hoshino, Yukinobu Kawakita, Shinji Kohara, Masayoshi Itou
- 12656
Magnetic Compton Scattering Study of Shape Memory Alloys
Advanced Materials Research, **52** (2008) 145-154
Babulal Ahuja, Balkrishna Sharma, Yoshiharu Sakurai
- 12657
A Charge Compton Profile Study of Ni₂MnGa : Theory and Experiment
Advanced Materials Research, **52** (2008) 181-186
Gulzar Ahmed, Babulal Ahuja, Balkrishna Sharma, Yoshiharu Sakurai, Masayoshi Itou, N. L. Heda, A. Rathor, V. Sharma, S. Banik
- BL09XU**
- 12246
Direct Observation of Low-Energy Sm Phonon in SmRu₄P₁₂
Journal of the Physical Society of Japan, **77** (2008) 033601
Satoshi Tsutsui, Hisao Kobayashi, Daisuke Ishikawa, John Sutter, Alfred Baron, Takumi Hasegawa, Norio Ogita, Masayuki Udagawa, Yoshitaka Yoda, Hideya Onodera, Daisuke Kikuchi, Hitoshi Sugawara, Chihiro Sekine, Ichimin Shirovani, Hideyuki Sato
- 12398
Investigation of the Anharmonic Guest Modes in Filled

Skutterudites Using Inelastic X-ray Scattering Techniques

Journal of the Physical Society of Japan, **77** (2008) 257-259

Satoshi Tsutsui, Hisao Kobayashi, John Sutter, Hiroshi Uchiyama, Alfred Baron, Yoshitaka Yoda, Daisuke Kikuchi, Hitoshi Sugawara, Chihiro Sekine, Ichimin Shirofumi, Akira Ochiai, Hideyuki Sato

12402

Extended X-ray Absorption Fine Structure and Nuclear Resonance Vibrational Spectroscopy Reveal that Ni₂B₂Co, a FeMo-co Precursor, Comprises a 6Fe Core with an Interstitial Light Atom

Journal of the American Chemical Society, **130** (2008) 5673-5680
Simon George, Robert Igarashi, Yuming Xiao, Jose Hernandez, Marie Demuez, Dehua Zhao, Yoshitaka Yoda, Paul Ludden, Luis Rubio, Stephen Cramer

13097

Similarity between Strain Fields Induced by the Xe/NH₃ Plasma Nitridation and the K/O₂ Plasma Oxidation Revealed by a Multi-Wave X-ray Diffraction Phenomenon

Transactions of the Materials Research Society of Japan, **33** (2008) 607-610

Wataru Yashiro, Yoshitaka Yoda, Yuuitirou Matsushita, Takashi Aratani, Akinobu Teramoto, Takeo Hattori, Kazushi Miki

13278

Iron-specific Phonon Density of States in the Superconductors LaFeAsO_{1-x}F_x and La_{1-x}Ca_xFePO

Physical Review B, **78** (2008) 174507

Satoshi Higashitaniguchi, Makoto Seto, Shinji Kitao, Yasuhiro Kobayashi, Makina Saitou, Ryo Masuda, Takaya Mitsui, Yoshitaka Yoda, Yoichi Kamihara, Masahiro Hirano, Hideo Hosono

13504

Subnanosecond Time-Resolved X-ray Measurements using an Organic-Inorganic Perovskite Scintillator

Applied Physics Letters, **93** (2008) 261901

Shunji Kishimoto, Kengo Shibuya, Fumihiko Nishikido, Masanori Koshimizu, Rie Haruki, Yoshitaka Yoda

13576

UHV-type Synchrotron Radiation Reflectometer

Vacuum, **83** (2008) 873-877

Taizo Kawauchi, Masuaki Matsumoto, Katsuyuki Fukutani, Tatsuo Okano, Yusuke Suetsugu, Xiaowei Zhang, Yoshitaka Yoda

13670

Dilution and Clustering of Fe in the Rutile Phases of TiO₂ and SnO₂

Physical Review B, **77** (2008) 014302

Kiyoshi Nomura, Alexandre Rykov, Junko Sakuma, Cesar Barrero, Yoshitaka Yoda, Takaya Mitsui

13738

Coexistence of Superconductivity and Antiferromagnetic Ordering in the Layered Superconductor SmFePO

Physical Review B, **78** (2008) 184512

Yoichi Kamihara, Hidenori Hiramatsu, Masahiro Hirano, Yasuhiro Kobayashi, Shinji Kitao, Satoshi Higashitaniguchi, Yoshitaka Yoda, Makoto Seto, Hideo Hosono

BL10XU

11974

Simultaneous Volume Measurements of Post-perovskite and Perovskite in MgSiO₃ and Their Thermal Equations of State

Earth and Planetary Science Letters, **265** (2008) 515-524

Tetsuya Komabayashi, Kei Hirose, Emiko Sugimura, Nagayoshi Sata, Yasuo Ohishi, Leonid Dubrovinsky

12112

New High-Pressure B2 Phase of FeS above 180 GPa

American Mineralogist, **93** (2008) 492-494

Nagayoshi Sata, Hiroaki Ohfuji, Kei Hirose, Hisao Kobayashi, Yasuo Ohishi, Naohisa Hirao

12192

Rh₂O₃(II)-type Structures in Ga₂O₃ and In₂O₃ under High Pressure : Experiment and Theory

Physical Review B, **77** (2008) 064107

Hitoshi Yusa, Taku Tsuchiya, Nagayoshi Sata, Yasuo Ohishi

12216

Phase Transitions in Pyrolite and MORB at Lowermost Mantle Conditions : Implications for a MORB-rich Pile above the Core-mantle Boundary

Earth and Planetary Science Letters, **267** (2008) 107-117

Kenji Ohta, Kei Hirose, Thorne Lay, Nagayoshi Sata, Yasuo Ohishi

12239

Chemical Equilibrium between Ferropicardite and Molten Iron to 134 GPa and Implications for Iron Content at the Bottom of the Mantle

- Geophysical Research Letters, **35** (2008) L05308
Haruka Ozawa, Kei Hirose, Masanori Mitome, Yoshio Bando, Nagayoshi Sata, Yasuo Ohishi
- 12336
The Electrical Conductivity of Post-Perovskite in Earth's D' Layer
Science, **320** (2008) 89-91
Kenji Ohta, Suzue Onoda, Kei Hirose, Ryouyusuke Sinmyou, Katsuya Shimizu, Nagayoshi Sata, Yasuo Ohishi, Akira Yasuhara
- 12408
High-Pressure Phase Relation of MnSiO₃ up to 85 GPa : Existence of MnSiO₃ Perovskite
American Mineralogist, **93** (2008) 653-657
Kiyoshi Fujino, Keisuke Suzuki, Daisuke Hamane, Yusuke Seto, Takaya Nagai, Nagayoshi Sata
- 12444
Fate of Carbonates within Oceanic Plate Subducted to the Lower Mantle and a Possible Mechanism of Diamond Formation
Physics and Chemistry of Minerals, **35** (2008) 223-229
Yusuke Seto, Daisuke Hamane, Takaya Nagai, Kiyoshi Fujino
- 12445
Effect of FeAlO₃ Incorporation into MgSiO₃ on the Bulk Modulus of Perovskite
Physics of the Earth and Planetary Interiors, **166** (2008) 219-225
Daisuke Hamane, Makoto Seto, Kiyoshi Fujino, Takaya Nagai
- 12582
Dissociation of CAS Phase in the Uppermost Lower Mantle
Physics and Chemistry of Minerals, **35** (2008) 197-200
Kazufusa Ishibashi, Kei Hirose, Nagayoshi Sata, Yasuo Ohishi
- 12618
Simultaneous Volume Measurements of Au and MgO to 140 GPa and Thermal Equation of State of Au Based on MgO Pressure Scale
Physics of the Earth and Planetary Interiors, **167** (2008) 149-154
Kei Hirose, Nagayoshi Sata, Tetsuya Komabayashi, Yasuo Ohishi
- 12724
The Compression of H₂O Ice to 126 GPa and Implications for Hydrogen-bond Symmetrization : Synchrotron X-ray Diffraction Measurements and Density-Functional Calculations
Physical Review B, **77** (2008) 214103
- Emiko Sugimura, Toshiaki Iitaka, Kei Hirose, Katsuyuki Kawamura, Nagayoshi Sata, Yasuo Ohishi
- 12853
Pressure-Temperature Phase Diagram for Charge-Order Transition in Cs[Co(3-CNpy)₂][W(CN)₈]H₂O
Physical Review B, **77** (2008) 012101
Jungeun Kim, Masaki Takata, Yasuo Ohishi, Kenichi Kato, Yutaka Moritomo, Shinichi Ohkoshi
- 12974
 α -Gd₂S₃-type Structure in In₂O₃ : Experiments and Theoretical Confirmation of a High-Pressure Polymorph in Sesquioxide
Physical Review B, **78** (2008) 092107
Hitoshi Yusa, Taku Tsuchiya, Jun Tsuchiya, Nagayoshi Sata, Yasuo Ohishi
- 13107
Experimental Constraints on the Temperature Profile in the Lower Mantle
Physics of the Earth and Planetary Interiors, **170** (2008) 267-273
Shigeaki Ono
- 13108
Novel Phases of MgCO₃, CaCO₃ and CO₂ at Megabar Pressures : Their Structure, Chemistry and Role in the Earth's Mantle
Earth and Planetary Science Letters, **273** (2008) 38-47
Artem Oganov, Shigeaki Ono, Yanming Ma, Colin Glass, Alberto Garcia
- 13109
Phase Transitions of BaCO₃ at High Pressures
Mineralogical Magazine, **72** (2008) 659-665
Shigeaki Ono, John Brodholt, David Price
- 13137
Pressure-Induced Valence Anomaly in TmTe Probed by Resonant Inelastic X-Ray Scattering
Physical Review Letters, **101** (2008) 127401
Ignace Jarrige, Jean-Pascal Rueff, Sean Shieh, Munetaka Taguchi, Yasuo Ohishi, Takeshi Matsumura, Jinbao Wang, Hirofumi Ishii, Nozomu Hiraoka, Yong Cai
- 13140
Pressure-induced Melting of Charge-order in Eu₄As₃ without Structural Change
Journal of Physics : Condensed Matter, **20** (2008) 415217
Hisao Kobayashi, Yutaka Kazekami, Nobuhiko Sakai, Yasuo

Ohishi, Makoto Shirakawa, Akira Ochiai

13153

Superconductivity and Crystal Structure of Lithium under High Pressure

Journal of Physics: Conference Series, **121** (2008) 052003

Takahiro Matsuoka, Suzue Onoda, Masahiro Kaneshige, Yuki Nakamoto, Katsuya Shimizu, Tomoko Kagayama, Yasuo Ohishi

13237

Highly Intense Monochromatic X-ray Diffraction Facility for High-Pressure Research at SPring-8

High Pressure Research, **28** (2008) 163-173

Yasuo Ohishi, Naohisa Hirao, Nagayoshi Sata, Kei Hirose, Masaki Takata

13300

Partitioning of Iron between Perovskite/Postperovskite and Ferropericlasite in the Lower Mantle

Journal of Geophysical Research, **113** (2008) B11204

Ryosuke Sinmyo, Kei Hirose, Daisuke Nishio-Hamane, Yusuke Seto, Kiyoshi Fujino, Nagayoshi Sata, Yasuo Ohishi

13301

Ferric Iron Content in (Mg,Fe)SiO₃ Perovskite and Postperovskite at Deep Lower Mantle Conditions

American Mineralogist, **93** (2008) 1899-1902

Ryosuke Sinmyo, Haruka Ozawa, Kei Hirose, Akira Yasuhara, Noriaki Endo, Nagayoshi Sata, Yasuo Ohishi

13410

Charge Density Distribution of KMnF₃ under High Pressure

Physical Review B, **78** (2008) 224102
Shinobu Aoyagi, Seiichi Toda, Eiji Nishibori, Yoshihiro Kuroiwa, Yasuo Ohishi, Masaki Takata, Makoto Sakata

13667

Superconductivity under High Pressure in the Binary Compound CaLi₂

Physical Review B, **78** (2008) 214517

Mathew Debessai, Takahiro Matsuoka, James Hamlin, Anup Gangopadhyay, James Schilling, Katsuya Shimizu, Yasuo Ohishi

14134

Phase Relations of Iron and Iron-Nickel Alloys up to 300 GPa : Implications for Composition and Structure of the Earth's Inner Core

Earth and Planetary Science Letters, **273** (2008) 379-385

Yasuhiro Kuwayama, Kei Hirose, Nagayoshi Sata, Yasuo Ohishi

14135

Ultrahigh Pressure and High Temperature Experiments using a Laser Heated Diamond Anvil Cell in Multimegabar Pressures Region

高圧力の化学と技術 (The Review of High Pressure Science and Technology), **18** (2008) 3-10

Yasuhiro Kuwayama

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11964

Atomic Structure of a Thallium Nanodot Lattice Formed on the Si(111)-7×7 Surface

Surface Science, **602** (2008) 369-374

Namdong Kim, Choonkyu Hwang, Jinwook Chung, Y. Kim, Taechul Kim, DoYoung Noh, Kazushi Sumitani, Hiroo Tajiri, Osami Sakata

12034

Early Detection of Nanoparticle Growth from X-ray Reciprocal Space Mapping

Applied Physics Letters, **92** (2008) 034101

Nadia Zatsepin, Rouben Dilanian, Andrei Nikulin

12655

Surface X-ray Scattering of High Index Plane of Platinum Containing Kink Atoms in Solid-Liquid Interface : Pt(310)=3(100)-(110)

Electrochimica Acta, **53** (2008) 6070-6075

Nagahiro Hoshi, Akira Nakahara, Masashi Nakamura, Kazushi Sumitani, Osami Sakata

12673

Crystalline Lamellae and Surface Morphology of Biodegradable Polyhydroxyalkanote Thin Films : Thermal Behavior and Comparison between Poly(3-hydroxybutyrate-co-3-hydroxyhexanote) and Poly(3-hydroxybutyrate)

Macromolecules, **41** (2008) 1713-1719

Katsuhito Mori, Shota Mukoyama, Ying Zhang, Harumi Sato, Yukihiko Ozaki, Hikaru Terauchi, Isao Noda, Isao Takahashi

12733

In-situ Thermal Stress Measurement in Multi-layered Aluminum Nitride and Copper Films by Synchrotron Radiation
日本機学会論文集A編 (Transactions of the Japan Society of Mechanical Engineers, Series A), **74** (2008) 363-369

- Kazuya Kusaka, Takao Hanabusa, Kenta Kaneko, Tatsuya Matsue, Osami Sakata
- 12761
Structure of the Metallic Si(001) Surface at High Temperatures : Synchrotron X-ray Scattering Measurements
Physical Review B, **78** (2008) 033303
Yongsam Kim, Cheolho Jeon, Sanghoon Uhm, Chan-Cuk Hwang, Namdong Kim, Osami Sakata, C. Y. Park, Jinwook Chung, Do Young Noh
- 12826
X-ray Diffraction Study of Polycrystalline BiFeO₃ Thin Films under Electric Field
Applied Physics Letters, **93** (2008) 042907
Seiji Nakashima, Osami Sakata, Yoshitaka Nakamura, Takeshi Kanashima, Hiroshi Funakubo, Masanori Okuyama
- 12900
Structure Determination of Tl/Ge(111)-(3 × 1) by Surface X-ray Diffraction
Journal of Physics: Condensed Matter, **20** (2008) 395226
Shin-ichiro Hatta, Ryohsuke Ohtomo, Chihiro Kato, Osami Sakata, Hiroshi Okuyama, Tetsuya Aruga
- 12944
Effect of End-Substitutions of Distyryl-oligothiophenes by Hexyl Chains
on Environmental Stability in Organic Thin Film Transistors
Organic Electronics, **9** (2008) 591-601
Christine Videlot-Aeckerman, H. Brisset, J. Ackermann, J. Zhang, P. Raynal, F. Fages, G. H. Mehl, Toshinori Tanisawa, Noriyuki Yoshimoto
- 13056
Grazing Incidence Small Angle X-ray Scattering Study for Determining Structure and Composition of Multi-Stack Ge Nanowires on Si(113)
Transactions of the Materials Research Society of Japan, **33** (2008) 535-539
Kazuhiko Omote, Hiroo Omi, Tomoaki Kawamura
- 13059
X-ray Reciprocal-Lattice Space Imaging Method for Quick Analysis of Buried Crystalline Nanostructure – a Diffraction Method Fixed at an Angular Position
Transactions of the Materials Research Society of Japan, **33** (2008) 625-628
- Osami Sakata
- 13060
Structural Evaluation of an Iron Oxalate Complex Layer Grown on an Ultra-Smooth Sapphire (0001) Surface by a Wet Method
Transactions of the Materials Research Society of Japan, **33** (2008) 629-631
Rie Haruki, Osami Sakata, Teppei Yamada, Katsuhiko Kanaizuka, Rie Makiura, Yasuyuki Akita, Mamoru Yoshimoto, Hiroshi Kitagawa
- 13061
Transmission X-ray Diffraction from Bismuth Lines Embedded in Silicon
Transactions of the Materials Research Society of Japan, **33** (2008) 619-622
Hiroo Tajiri, Wataru Yashiro, Osami Sakata, Kunihiro Sakamoto, Kazushi Miki
- 13063
Structural Study on Interface between Thick Gallium Layer and SiC Substrate by X-ray Reflectivity under Transmission Geometry
Transactions of the Materials Research Society of Japan, **33** (2008) 557-560
Takehiro Noda, Masanori Tanaka, Amane Kitahara, Tadaaki Kaneko, Osami Sakata, Isao Takahashi
- 13098
X-ray Diffraction from Buried Bi Atomic Wire Formed on Si(001) – Near the Bi LIII Absorption Edge
Transactions of the Materials Research Society of Japan, **33** (2008) 623-624
Wataru Yashiro, Osami Sakata, Kazushi Miki
- 13117
The Surface Structure of Reconstructed Pt(211)-(2 x 1) Determined using Surface X-ray Diffraction
Transactions of the Materials Research Society of Japan, **33** (2008) 633-636
Masashi Nakamura, Nagahiro Hoshi, Kazushi Sumitani, Osami Sakata
- 13261
Evaluation of Super-Critical Thickness Strained-Si on Insulator (sc-SSOI) Substrate
Solid-State Electronics, **52** (2008) 1845-1848
Atsushi Ogura, Tetsuya Yoshida, Daisuke Kosemura, Munehisa

Takei, Y. Kakemura, H. Saito, Takayoshi Shimura, Tomoyuki Koganezawa, Ichiro Hirosawa

13285

Construction of Highly Oriented Crystalline Surface Coordination Polymers Composed of Copper Dithioamide Complexes

Journal of the American Chemical Society, **130** (2008) 15778-15779

Katsuhiko Kanaizuka, Rie Haruki, Osami Sakata, Mamoru Yoshimoto, Yasuyuki Akita, Hiroshi Kitagawa

13441

Transformation from an Atomically Stepped NiO Thin Film to a Nanotape Structure : A Kinetic Study Using X-ray Diffraction

Applied Physics Letters, **93** (2008) 241904

Osami Sakata, Mamoru Yoshimoto

13569

Molecular Aggregation States of Surface-grafted Poly{2-(perfluorooctyl)ethyl acrylate} Thin Film Analyzed by Grazing Incidence X-ray Diffraction

Polymer Journal, **40** (2008) 854-860

Hiroki Yamaguchi, Koji Honda, Motoyasu Kobayashi, Masamichi Morita, Hiroyasu Masunaga, Osami Sakata, Sono Sasaki, Atsushi Takahara

13624

Characterization of the Interface Structure of Hydrophilic and Hydrophobic Polymer Brushes by Neutron Beam and Synchrotron Radiation

Transactions of the Materials Research Society of Japan, **33** (2008) 573-577

Hiroki Yamaguchi, Sono Sasaki, Motoyasu Kobayashi, Yuki Terayama, Hiroki Yamaguchi, Koji Honda, Osami Sakata, Masaki Takata, N. Torikai, M. Hino, K. Ishihara, Atsushi Takahara

13745

Characterization of Strained Si Wafers by X-ray Diffraction Techniques

Journal of Materials Science: Materials in Electronics, **19** (2008) S189-S193

Takayoshi Shimura, Kouta Kawamura, Masahiro Asakawa, Heiji Watanabe, Kiyoshi Yasutake, Atsushi Ogura, Kazunori Fukuda, Osami Sakata, Shigeru Kimura, Hiroki Edo, Satoshi Iida, Masataka Umeno

13773

Surface X-ray Diffraction Study of the Metal-Insulator Transition on the Si(553)-Au Surface

e-Journal of Surface Science and Nanotechnology, **6** (2008) 281-285

Wolfgang Voegeli, Toru Takayama, Kimitaka Kubo, Makoto Abe, Yusaku Iwasawa, Tetsuro Shirasawa, Toshio Takahashi, Koichi Akimoto, Hiroshi Sugiyama, Hiroo Tajiri, Osami Sakata

13943

Application of Synchrotron X-ray Diffraction Methods to Gate Stacks of Advanced MOS Devices

ECS Transactions, **13** (2008) 75-82

Takayoshi Shimura, Tomoyuki Inoue, Yuki Okamoto, Takuji Hosoi, Atsushi Ogura, Osami Sakata, Shigeru Kimura, Satoshi Iida, Hiroki Edo, Heiji Watanabe

BL14B2

13116

Stepwise Growth of Pd Clusters in USY Zeolite at Room Temperature Analyzed by QXAFS

The Journal of Physical Chemistry C, **112** (2008) 16740-16747

Kazu Okumura, Tetsuo Honma, Sayaka Hirayama, Takashi Sanada, Miki Niwa

13330

Iron-Catalyzed Enyne Cross-Coupling Reaction

Organic Letters, **10** (2008) 5341-5344

Takuji Hatakeyama, Masaharu Nakamura, Gabriel Toma, Yuya Yoshimoto

13331

Diastereoselective Addition of Zincated Hydrazones to Alkenylboronates and Stereospecific Trapping of Boron/Zinc Bimetallic Intermediates by Carbon Electrophiles

Journal of the American Chemical Society, **130** (2008) 15688-15701

Takuji Hatakeyama, Masaharu Nakamura, Eiichi Nakamura

BL19B2

12199

Hemoglobin Pyropolymer Used as a Precursor of a Noble-Metal-Free Fuel Cell Cathode Catalyst

The Journal of Physical Chemistry C, **112** (2008) 2784-2790

Jun Maruyama, Junji Okamura, Kuninori Miyazaki, Yoshiharu Uchimoto, Ikuo Abe

12218

The First Detection of Photomodulation by both DC and in-phase AC Susceptibility for Organic/Inorganic Hybrid Materials Containing Cyano-Bridged Gd-Cr Complex and Azobenzene
Journal of Magnetism and Magnetic Materials, **320** (2008) 1586-1590

Takashi Akitsu, Junichi Nishijo

12278

Distribution of Residual Stresses in EB-PVD Thermal Barrier Coatings

Materials Science Forum, **571-572** (2008) 333-338

Kenji Suzuki, Takahisa Shobu, Keisuke Tanaka

12326

N-type Field-Effect Transistor Based on a Fluorinated-Graphene
Organic Electronics, **9** (2008) 328-332

Tomohiko Mori, Yoshihiro Kikuzawa, Hisato Takeuchi

12407

Ba-Substitution Effect on Luminescent Properties and Thermal Degradation of $\text{Sr}_3\text{MgSi}_2\text{O}_8 : \text{Eu}^{2+}$ Blue Phosphor Under Vacuum-UV-Light Excitation

Electrochemical and Solid-State Letters, **11** (2008) J47-J49

Shinji Okamoto, Yutaka Nanba, Tetsuo Honma, Hajime Yamamoto

12515

A Structural Study of Amorphous In_2O_3 -ZnO Films by Grazing Incidence X-ray Scattering (GIXS) with Synchrotron Radiation
Thin Solid Films, **516** (2008) 5818-5821

Futoshi Utsuno, Hiroyuki Inoue, Tadao Shibuya, Kazuyoshi Inoue, Koki Yano, Ichiro Hirosawa, Tetsuo Honma

12557

Perovskite-type Hydrides-synthesis, Structures and Properties

International Journal of Materials Research, **5** (2008) 471-479

Kazutaka Ikeda, Toyoto Sato, Shin-ichi Orimo

12568

In situ Observation of Water Distribution and Behaviour in a Polymer Electrolyte Fuel Cell by Synchrotron X-ray Imaging
Journal of Synchrotron Radiation, **15** (2008) 329-334

Taihei Mukaide, Satoshi Mogi, Jun Yamamoto, Akira Morita, Shinnosuke Koji, Kazuhiro Takada, Kentaro Uesugi, Kentarou Kajiwara, Takashi Noma

12727

Application of Nitrogen-rich Amino Acids to Active Site Generation in Oxygen Reduction Catalyst

Journal of Power Sources, **182** (2008) 489-495

Jun Maruyama, Nobutaka Fukui, Masayuki Kawaguchi, Ikuo Abe

12742

Switchable C- and N-Bound Isomers of Transition-Metal Cyanocarbanions : Synthesis and Interconversions of Cyclopentadienyl Ruthenium Complexes of Phenylsulfonfylacetonitrile Anions

Chemistry - A European Journal, **14** (2008) 2482-2498

Takeshi Naota, Akio Tanna, Shigeaki Kamuro, Masayuki Hieda, Kazuki Ogata, Shun-Ichi Murahashi, Hikaru Takaya

13017

Effects of Rubbing Condition and Soaking Time on Surface Crystallization of Rubbed Polyimide Film by Soaking into Acetone

IEICE Transactions on Electronics, **E91-C** (2008) 1593-1598

Ichiro Hirosawa, Tomoyuki Koganezawa, Takahiro Sakai

BL20B2

12511

Microcalcifications of Breast Tissue : Appearances on Synchrotron Radiation Imaging with 6- μm Resolution

American Journal of Roentgenology, **190** (2008) W234-W236

Keiko Imamura, Norishige Ehara, Youichi Inada, Yoshihide Kanemaki, Joji Okamoto, Ichiro Maeda, Keiko Miyamoto, Haruki Ogata, Hisanori Kawamoto, Yasuo Nakajima, Mamoru Fukuda, Keiji Umetani, Kentaro Uesugi

12568

In situ Observation of Water Distribution and Behaviour in a Polymer Electrolyte Fuel Cell by Synchrotron X-ray Imaging
Journal of Synchrotron Radiation, **15** (2008) 329-334

Taihei Mukaide, Satoshi Mogi, Jun Yamamoto, Akira Morita, Shinnosuke Koji, Kazuhiro Takada, Kentaro Uesugi, Kentarou Kajiwara, Takashi Noma

12642

Three-dimensional Microtomographic Imaging of Human Brain Cortex

Brain Research, **1199** (2008) 53-61

Ryuta Mizutani, Akihisa Takeuchi, Kentaro Uesugi, Masami

- Ohyama, Susumu Takekoshi, R. Yoshiyuki Osamura, Yoshio Suzuki
- 12796
Development of High Resolution 4D *in vivo*-CT for Visualization of Cardiac and Respiratory Reformatations of Small Animals
Physics in Medicine and Biology, **53** (2008) 4285-4301
Toshihiro Sera, Hideo Yokota, Kazuhiro Fujisaki, Kazuaki Fukasaku, Hiroyuki Tachibana, Kentaro Uesugi, Naoto Yagi, Ryutaro Himeno
- 12884
Characterization of a Hard X-ray Telescope at Synchrotron Facility SPring-8
Japanese Journal of Applied Physics, **47** (2008) 5743-5754
Yasushi Ogasaka, Keisuke Tamura, Ryo Shibata, Akihiro Furuzawa, Takuya Miyazawa, Kenta Shimoda, Yoshihiro Fukaya, Tomonaga Iwahara, Tomokazu Nakamura, Masataka Naitou, Yasufumi Kanou, Naoki Sasaki, Daisuke Ueno, Takashi Okajima, Emi Miyata, Noriaki Tawa, Kenji Mukai, Kazuhiro Ikegami, Michihiko Aono, Kentaro Uesugi, Yoshio Suzuki, Satoshi Takeuchi, Taku Futamura, Rika Takahashi, Machiko Sakashita, Chiaki Sakai, Masayuki Nonoyama, Nobuaki Yamada, Katsuhiko Ohnishi, Tomofumi Miyauchi, Yoshitomo Maeda, Shunsaku Okada, Peter Serlemitsos, Yang Soong, Kai-Wing Chan, Scott Rohrbach, Fred Berendse, Jack Tueller, Hiroshi Tsunemi, Hideyo Kunieda, Koujun Yamashita
- 12909
Floral Evidence of Annonaceae from the Late Cretaceous of Japan
International Journal of Plant Sciences, **169** (2008) 908-917
Masamichi Takahashi, Else Maire Friis, Kentaro Uesugi, Yoshio Suzuki, Peter Crane
- 13052
Dynamic Measures of Regional Lung Air Volume Using Phase Contrast X-ray Imaging
Physics in Medicine and Biology, **53** (2008) 6065-6077
Marcus Kitchen, Rob Lewis, Michael Morgan, Megan Wallace, Melissa Siew, Karen Siu, Anowarul Habib, Andreas Fouras, Naoto Yagi, Kentaro Uesugi, Stuart Hooper
- 13080
Phase Retrieval for Improved Three-Dimensional Velocimetry of Dynamic X-ray Blood Speckle
Applied Physics Letters, **93** (2008) 153901
Sally Irvine, David Paganin, Stephen Dubsy, Rob Lewis, Andreas Fouras
- 13100
Evaluation of the Improved Three-Dimensional Resolution of a Synchrotron Radiation Computed Tomograph Using a Micro-Fabricated Test Pattern
Journal of Synchrotron Radiation, **15** (2008) 648-654
Ryuta Mizutani, Akihisa Takeuchi, Kentaro Uesugi, Yoshio Suzuki
- 13193
Measurement of Electron Density in Dual-Energy X-ray CT with Monochromatic X-Rays and Evaluation of Its Accuracy
Medical Physics, **35** (2008) 4924-4932
Takanori Tsunoo, Masami Torikoshi, Yumiko Ohno, Kentaro Uesugi, Naoto Yagi
- 13261
Evaluation of Super-Critical Thickness Strained-Si on Insulator (sc-SSOI) Substrate
Solid-State Electronics, **52** (2008) 1845-1848
Atsushi Ogura, Tetsuya Yoshida, Daisuke Kosemura, Munehisa Takei, Y. Kakemura, H. Saito, Takayoshi Shimura, Tomoyuki Koganezawa, Ichiro Hiroawa
- 13262
High-Resolution Visualization of Tumours in Rabbit Lung using Refraction Contrast X-ray Imaging
European Journal of Radiology, **68** (2008) S54-S57
Toshihiro Sera, Kentaro Uesugi, Naoto Yagi, Keiji Umetani, Makito Kobatake, Shigeki Imai
- 13368
X-Ray Microtomographic Imaging of Three-Dimensional Structure of Soft Tissues
Tissue Engineering Part C, **14** (2008) 359-363
Ryuta Mizutani, Akihisa Takeuchi, Kentaro Uesugi, Susumu Takekoshi, R. Yoshiyuki Osamura, Yoshio Suzuki
- 13745
Characterization of Strained Si Wafers by X-ray Diffraction Techniques
Journal of Materials Science: Materials in Electronics, **19** (2008) S189-S193
Takayoshi Shimura, Kouta Kawamura, Masahiro Asakawa, Heiji Watanabe, Kiyoshi Yasutake, Atsushi Ogura, Kazunori Fukuda, Osami Sakata, Shigeru Kimura, Hiroki Edo, Satoshi Iida, Masataka Umeno

13943

Application of Synchrotron X-ray Diffraction Methods to Gate Stacks of Advanced MOS Devices

ECS Transactions, **13** (2008) 75-82

Takayoshi Shimura, Tomoyuki Inoue, Yuki Okamoto, Takuji Hosoi, Atsushi Ogura, Osami Sakata, Shigeru Kimura, Satoshi Iida, Hiroki Edo, Heiji Watanabe

BL20XU

12265

Detecting Micrometer-scale Platinum-group Minerals in Mantle Peridotite with Microbeam Synchrotron Radiation X-ray Fluorescence Analysis

Geochemistry, Geophysics, Geosystems, **9** (2008) Q03018

Tetsu Kogiso, Katsuhiko Suzuki, Toshihiro Suzuki, Kazunori Shinotsuka, Kentaro Uesugi, Akihisa Takeuchi, Yoshio Suzuki

12327

Direct Observation and Image-based Simulation of Three-dimensional Tortuous Crack Evolution inside Opaque Materials

Physical Review Letters, **100** (2008) 115505

Lihe Qian, Hiroyuki Toda, Kentaro Uesugi, Masakazu Kobayashi, Toshiro Kobayashi

12330

Three-Dimensional Observation of Ductile Fracture Process by Deflecticon Contrast Imaging in Cast Al-7%Si Alloys

軽金属 (Journal of Japan Institute of Light Metals), **58** (2008) 58-64

Tatsumasa Hidaka, Hiroyuki Toda, Masakazu Kobayashi, Kentaro Uesugi, Toshiro Kobayashi

12342

Atherosclerotic Plaque Imaging using Phase-Contrast X-ray Computed Tomography

American Journal of Physiology: Heart and Circulatory Physiology, **294** (2008) H1094-H1100

Masakazu Shinohara, Tomoya Yamashita, Hideto Tawa, Masafumi Takeda, Naoto Sasaki, Tomofumi Takaya, Ryuji Toh, Akihisa Takeuchi, Takuji Ohigashi, Kunio Shinohara, Seinosuke Kawashima, Mitsuhiro Yokoyama, Kenichi Hirata, Atsushi Momose

12503

High-density Three-dimensional Mapping of Internal Strain by Tracking Microstructural Features

Acta Materialia, **56** (2008) 2167-2181

Masakazu Kobayashi, Hiroyuki Toda, Yuji Kawai, Tomomi Ohgaki, Kentaro Uesugi, David Wilkinson, Toshiro Kobayashi, Yoshimitsu Aoki, Mitsuru Nakazawa

12594

Element-specific Microtomographic Imaging of *Drosophila* Brain Stained with High-Z Probes

Journal of Synchrotron Radiation, **15** (2008) 374-377

Ryuta Mizutani, Akihisa Takeuchi, Genta Akamatsu, Kentaro Uesugi, Yoshio Suzuki

12642

Three-dimensional Microtomographic Imaging of Human Brain Cortex

Brain Research, **1199** (2008) 53-61

Ryuta Mizutani, Akihisa Takeuchi, Kentaro Uesugi, Masami Ohyama, Susumu Takekoshi, R. Yoshiyuki Osamura, Yoshio Suzuki

12904

Preparation of Fluorine-Containing Indium Tin Oxide Sputtering Targets Using Spark Plasma Sintering Process

Journal of the American Ceramic Society, **91** (2008) 2495-2500

Tomonari Takeuchi, Hiroyuki Kageyama, Hiromi Nakazawa, Toshiyuki Atsuta, Shigeharu Tamura, Nagao Kamijo, Akihisa Takeuchi, Yoshio Suzuki

12990

Visualization by X-ray Tomography of Void Growth and Coalescence Leading to Fracture in Model Materials

Acta Materialia, **56** (2008) 2919-2928

Arnaud Weck, David Wilkinson, Eric Maire, Hiroyuki Toda

13028

Multilevel-type Multilayer X-ray Lens (Fresnel Zone Plate) by Sputter Deposition

Vacuum, **83** (2008) 691-694

Shigeharu Tamura, Masato Yasumoto, Nagao Kamijo, Akihisa Takeuchi, Kentaro Uesugi, Yoshio Suzuki

13080

Phase Retrieval for Improved Three-Dimensional Velocimetry of Dynamic X-ray Blood Speckle

Applied Physics Letters, **93** (2008) 153901

Sally Irvine, David Paganin, Stephen Dubsy, Rob Lewis, Andreas Fouras

- 13131
Study on Effect of Fine Structure of Cement Hydrate by Calcium Leaching using X-ray CT
Creep, Shrinkage and Durability Mechanics of Concrete and Concrete Structures (Proceedings of the CONCREEP8), (2008) 1-6
Takashi Hitomi, Nobufumi Takeda, Keishiro Iriya
- 13290
Characterizing the 3D Pore Structure of Hardened Cement Paste with Synchrotron Microtomography
Journal of Advanced Concrete Technology, **6** (2008) 273-286
Michael Angelo Promentilla, Takafumi Sugiyama, Takashi Hitomi, Nobufumi Takeda
- 13303
Differential Phase X-ray Imaging Microscopy with X-ray Talbot Interferometer
Applied Physics Express, **1** (2008) 117002
Yoshihiro Takeda, Wataru Yashiro, Tadashi Hattori, Akihisa Takeuchi, Yoshio Suzuki, Atsushi Momose
- 13368
X-Ray Microtomographic Imaging of Three-Dimensional Structure of Soft Tissues
Tissue Engineering Part C, **14** (2008) 359-363
Ryuta Mizutani, Akihisa Takeuchi, Kentaro Uesugi, Susumu Takekoshi, R. Yoshiyuki Osamura, Yoshio Suzuki
- 13478
Direct Measurement Procedure for 3-D Local Crack Driving Force Using Synchrotron X-ray Microtomography
Acta Materialia, **56** (2008) 6027-6039
Hiroyuki Toda, Shin Yamamoto, Masakazu Kobayashi, Kentaro Uesugi
- 13516
X-ray Holographic Microscopy using Total-Reflection Mirror Interferometer
Japanese Journal of Applied Physics, **47** (2008) 8595-8599
Yoshio Suzuki, Akihisa Takeuchi
- 13518
Change in Microstructure of Al-Si-Cu Casting Alloys during High-Temperature Solution Treatment
International Journal of Cast Metals Research, **21** (2008) 114-118
Takanori Nishimura, Hiroyuki Toda, Masakazu Kobayashi, Toshiro Kobayashi, Kentaro Uesugi
- 13554
Non-destructive Search for Micrometer-Scale Minerals from the Inside of Rock Samples with Synchrotron Radiation X-ray : A Case Study for Platinum-Group Elements
地球科学 (Geochemistry), **42** (2008) 217-228
Tetsu Kogiso, Katsuhiko Suzuki, Toshihiro Suzuki, Kentaro Uesugi, Akihisa Takeuchi, Yoshio Suzuki
- ## BL25SU
- 11976
Electronic Structure of CeRu₂X₂ (X = Si, Ge) in the Paramagnetic Phase Studied by Soft X-ray ARPES and Hard X-ray Photoelectron Spectroscopy
Physical Review B, **77** (2008) 035118
Masao Yano, Akira Sekiyama, Hidenori Fujiwara, Yosuke Amano, Shin Imada, Takayuki Muro, Makina Yabashi, Kenji Tamasaku, Atsushi Higashiya, Tetsuya Ishikawa, Yoshichika Onuki, Shigemasa Suga
- 12237
Existence and Origin of Compensation Layer Thickness in Tb₂₀Co₈₀/Pd Multilayered Films
Journal of Physics D : Applied Physics, **41** (2008) 055003
Masahito Tanaka, Toru Asahi, Akane Agui, Masaichiro Mizumaki, Junichi Sayama, Tetsuya Osaka
- 12498
Atomic-layer Resolved Magnetic and Electronic Structure Analysis of Ni Thin Film on a Cu(001) Surface by Diffraction Spectroscopy
Physical Review Letters, **100** (2008) 207201
Fumihiko Matui, Tomohiro Matsushita, Yukako Kato, Mie Hashimoto, Kanako Inaji, FangZhun Guo, Hiroshi Daimon
- 12799
Stability of Electronic States across the Metal-insulator Transition in PrRu₄P₁₂
Physical Review B, **77** (2008) 165125
Atsushi Yamasaki, Shin Imada, Akira Sekiyama, Hidenori Fujiwara, Masao Yano, Junichi Yamaguchi, Gen Funahashi, H. Sugawara, D. Kikuchi, H. Sato, Takayuki Muro, Atsushi Higashiya, Kenji Tamasaku, Makina Yabashi, Hiromi Kobori, A. Sugimura, Tetsuya Ishikawa, H. Harima, Shigemasa Suga
- 12835
Construction and Development of a Time-Resolved X-ray Magnetic Circular Dichroism-Photoelectron Emission

- Microscopy System using Femtosecond Laser Pulses at BL25SU SPring-8
Review of Scientific Instruments, **79** (2008) 063903
Keiki Fukumoto, Tomohiro Matsushita, Hitoshi Osawa, Tetsuya Nakamura, Takayuki Muro, Kuniaki Arai, Takashi Kimura, Yoshichika Otani, Toyohiko Kinoshita
- 12967
Element-Specific Magnetic Properties of Di-Erbium $\text{Er}_2@\text{C}_{82}$ and $\text{Er}_2\text{C}_2@\text{C}_{82}$ Metallofullerenes : A Synchrotron Soft X-ray Magnetic Circular Dichroism Study
The Journal of Physical Chemistry C, **112** (2008) 6103-6109
Haruya Okimoto, Ryo Kitaura, Tetsuya Nakamura, Yasuhiro Ito, Yutaka Kitamura, Daisuke Ogawa, Naoki Imazu, Yuko Kato, Yuki Asada, Toshiki Sugai, Hitoshi Osawa, Tomohiro Matsushita, Takayuki Muro, Hisanori Shinohara
- 12969
High Yield Synthesis and Characterization of the Structural and Magnetic Properties of Crystalline ErCl_3 Nanowires in Single-Walled Carbon Nanotube Templates
Nano Research, **1** (2008) 152-157
Ryo Kitaura, Daisuke Ogawa, Keita Kobayashi, Takeshi Saito, Tetsuya Nakamura, Hirofumi Yoshikawa, Kunio Awaga, Hisanori Shinohara
- 13035
Magnetic Structure of Periodically Meandered One-Dimensional Fe Nanowires
Physical Review B, **78** (2008) 115428
Susumu Shiraki, Hideki Fujisawa, Tetsuya Nakamura, Takayuki Muro, Masashi Nantoh, Maki Kawai
- 13225
Electronic Structure of Noncentrosymmetric Superconductor $\text{Li}_2(\text{Pd}_x\text{Pt}_{1-x})_3\text{B}$ Studied by Photoemission Spectroscopy
Journal of the Physical Society of Japan, **77** (2008) 104701
Rikiya Yoshida, Hiroyuki Okazaki, Mitsutoshi Tajima, Takayuki Muro, Izumi Hase, Kozo Okada, Hiroyuki Takeya, Kazuto Hirata, Masaaki Hirai, Yuji Muraoka, Takayoshi Yokoya
- 13249
Electronic Structures and *p-d* Exchange Interaction of Mn-doped Diluted Magnetic Semiconductors
Physical Review B, **78** (2008) 205206
Shigenori Ueda, Akira Sekiyama, Takeshi Iwasaki, Shin Imada, Shigemasa Suga, Yuji Saitoh, W. Girit, Shojiro Takeyama
- 13266
Spin Polarization of Sub-monolayer Cu Embedded in $\text{Fe}_{70}\text{Co}_{30}$ Films
日本応用磁気学会誌 (Journal of the Magnetism Society of Japan), **32** (2008) 540-542
Masakiyo Tsunoda, Shinji Isogami, Tetsuya Nakamura, Migaku Takahashi
- 13363
Near E_F Electronic Structure of Heavily Boron-Doped Superconducting Diamond
Journal of Physics and Chemistry of Solids, **69** (2008) 2978-2981
Hiroyuki Okazaki, Takayoshi Yokoya, Jin Nakamura, Nobuyoshi Yamada, Tetsuya Nakamura, Takayuki Muro, Yusuke Tamenori, Tomohiro Matsushita, Yasutaka Takata, Takashi Tokushima, Shik Shin, Yoshihiko Takano, Masanori Nagao, Tomohiro Takenouchi, Hiroshi Kawarada, Tamio Oguchi
- 13369
Bulk Electronic Structures and Strong Electron-Phonon Interactions in an Electron-Doped High-Temperature Superconductor
New Journal of Physics, **10** (2008) 073005
Masanori Tsunekawa, Akira Sekiyama, Shuichi Kasai, Shin Imada, Hidenori Fujiwara, Takayuki Muro, Yoshinori Onose, Yoshinori Tokura, Shigemasa Suga
- 13377
Reconstruction Algorithm for Atomic-Resolution Holography using Translational Symmetry
Physical Review B, **78** (2008) 144111
Tomohiro Matsushita, FangZhun Guo, Motohiro Suzuki, Fumihiko Matui, Hiroshi Daimon, Kouichi Hayashi
- 13704
X-ray Magnetic Circular Dichroism Study in Ferromagnetic Pd Nanoparticle
Journal of Physics D: Applied Physics, **41** (2008) 134024
Yojiro Oba, Hiroaki Okamoto, Tetsuya Sato, Takenao Shinohara, Jun-ichi Suzuki, Tetsuya Nakamura, Takayuki Muro, Hitoshi Osawa
- 13742
Existence and Origin of Compensation Layer Thickness in $\text{Tb}_{20}\text{Co}_{80}/\text{Pd}$ Multilayered Films
Journal of Physics D : Applied Physics, **41** (2008) 055003
Masahito Tanaka, Toru Asahi, Akane Agui, Masaichiro Mizumaki, Junichi Sayama, Tetsuya Osaka

- 13774
Orbital Angular Momentum of Iron Valence Band Electron Analyzed by Photoelectron Stereography
Journal of the Physical Society of Japan, **77** (2008) 103301
Kentaro Goto, Fumihiko Matui, Tomohiro Matsushita, Yukako Kato, Hiroshi Daimon
- 13817
Energetics of Endohedral Atoms in Type-I Clathrates Observed by Soft X-ray Spectroscopy
Physical Review B, **78** (2008) 085203
Katsumi Tanigaki, Jun Tang, Takeshi Rachi, Ryotaro Kumashiro, FangZhun Guo
- 13904
Electric and Magnetic States of $Mn_{2.97}Co_{0.03}GaC$ Studied by Soft X-ray Photoemission and Magnetic Circular Dichroism
Japanese Journal of Applied Physics, **47** (2008) 1567-1569
Atsushi Matsumoto, Masanori Tsunekawa, Shigemasa Suga, Hirofumi Wada, Takayuki Muro, Tetsuya Nakamura, Shin Imada
- 14165
Origin of "Hot Spots" in the Pseudogap Regime of $Nd_{1.85}Ce_{0.15}CuO_4$: An LDA + DMFT + \sum_k Study
Journal of Experimental and Theoretical Physics, **134** (2008) 968-979
E. E. Kokorina, E. Z. Kuchinskii, Igor A. Nekrasov, Z. V. Pchelkina, Michael V. Sadovskii, Akira Sekiyama, Shigemasa Suga, Masanori Tsunekawa
- BL27SU**
- 12171
Study of the Dissociation of Nitrous Oxide Following Resonant Excitation of the Nitrogen and Oxygen *K*-shells
The Journal of Chemical Physics, **128** (2008) 024306
Denis Céolin, Oksana Travnikova, Bao Zhuo, Maria Piancastelli, Takahiro Tanaka, Masamitsu Hoshino, Hidetoshi Katou, Hiroshi Tanaka, James Harries, Yusuke Tamenori, Georg Prümper, Toralf Lischke, Xiao-Jing Liu, Kiyoshi Ueda
- 12294
Hydrogen Bonding in Methanol Clusters Probed by Inner-Shell Photoabsorption Spectroscopy in the Carbon and Oxygen *K*-Edge Regions
The Journal of Chemical Physics, **128** (2008) 124321
Yusuke Tamenori, Kazumasa Okada, Osamu Takahashi, Sadahiro Arakawa, Kiyohiko Tabayashi, Atsunari Hiraya, Tatsuo Gejo, Kenji Honma
- 12325
Vibration-induced Suppression of Valence-Rydberg Mixing in the $O1s \rightarrow ns$ Rydberg Series in N_2O
Physical Review A, **77** (2008) 012709
Takahiro Tanaka, Masamitsu Hoshino, Hidetoshi Katou, Masahiro Ehara, Naoaki Yamada, Ryoichi Fukuda, Hiroshi Nakatsuji, Yusuke Tamenori, James Harries, Georg Prümper, Hiroshi Tanaka, Kiyoshi Ueda
- 12328
The Study of Core Excited Molecules using Superhigh Resolution Soft X-ray
Doctor Thesis (Sophia University), (2008)
Takahiro Tanaka
- 12406
Recoil Excitation of Vibrational Structure in the Carbon *1s* Photoelectron Spectrum of CF_4
The Journal of Chemical Physics, **128** (2008) 144311
Darrah Thomas, Kiyoshi Ueda, Georg Prümper, Edwin Kukk, James Harries, Hironobu Fukuzawa, Yusuke Tamenori, Takahiro Tanaka, Masamitsu Hoshino, Rami Sankari, Ralph Püttner, Hiroshi Tanaka
- 12587
Soft X-ray Emission Spectroscopy of Co Nanoislands on a Nitrogen-Adsorbed Cu(001) Surface
Surface Science, **602** (2008) L65-L68
Yasumasa Takagi, Kan Nakatsuji, Yoshihide Yoshimoto, Takushi Iimori, Koichiro Yaji, Kota Tomatsu, Yoshihisa Harada, Tomoyuki Takeuchi, Takashi Tokushima, Yasutaka Takata, Shik Shin, Tetsuya Ishikawa, Fumio Komori
- 12841
 σ -bonding Contribution of a Strong π -acceptor Molecule: Surface Chemical Bond of SO_2 on Ni(100)
Physical Review B, **78** (2008) 085405
Takashi Tokushima, Keitaro Sodeyama, Yoshihisa Harada, Yasutaka Takata, Mitsuru Nagasono, Yoshinori Kitajima, Yusuke Tamenori, Haruhiko Ohashi, Shinji Tsuneyuki, Atsunari Hiraya, Shik Shin
- 12864
Specific Fragmentation of $[(CH_3)_2CO]Ar_n$ Heteroclusters Induced by the Ar L_{23} - and O *K*-edge Region

- Chemical Physics Letters, **462** (2008) 40-44
Yusuke Tamenori, Kazumasa Okada, Kiyohiko Tabayashi, Tatsuo Gejo, Kenji Honma
- 13148
Relationship between Optical Dielectric Constant and XPS Relative Chemical Shift of $1s$ and $2p$ Levels for Dielectric Compounds
Journal of Physics: Conference Series, **100** (2008) 012011
Kazuyuki Hirose, Haruhiko Suzuki, Hiroshi Nohira, Eiji Ikenaga, Keisuke Kobayashi, Takeo Hattori
- 13225
Electronic Structure of Noncentrosymmetric Superconductor $\text{Li}_2(\text{Pd}_x\text{Pt}_{1-x})_3\text{B}$ Studied by Photoemission Spectroscopy
Journal of the Physical Society of Japan, **77** (2008) 104701
Rikiya Yoshida, Hiroyuki Okazaki, Mitsutoshi Tajima, Takayuki Muro, Izumi Hase, Kozo Okada, Hiroyuki Takeya, Kazuto Hirata, Masaaki Hirai, Yuji Muraoka, Takayoshi Yokoya
- 13260
Site-Specific Fragmentation Caused by Core-Level Photoionization in $\text{F}_3\text{SiCH}_2\text{CH}_2\text{Si}(\text{CH}_3)_3$ Vapor : Comparison between $\text{Si}:1s$ and $2p$ Photoionizations by Means of Photoelectron-Photoion-Photoion Triple-Coincidence Spectroscopy
The Journal of Chemical Physics, **129** (2008) 204309
Shin-ichi Nagaoka, Mai Takemoto, Georg Pruemper, Hironobu Fukuzawa, Yusuke Tamenori, Isao Suzuki, Kiyoshi Ueda
- 13325
Interatomic Coulombic Decay Following the Auger Decay: Experimental Evidence in Rare-Gas Dimers
Journal of Electron Spectroscopy and Related Phenomena, **166-167** (2008) 3-10
Kiyoshi Ueda, Hironobu Fukuzawa, Xiao-Jing Liu, Kentaro Sakai, Georg Prümper, Yuichiro Morishita, Norio Saito, Isao Suzuki, Kiyonobu Nagaya, Hiroshi Iwayama, Makoto Yao, Katharina Kreidi, Markus Schöffler, Till Jahnke, Reinhard Dörner, Thorsten Weber, James Harries, S. Schössler, Yusuke Tamenori
- 13326
Evidence of Interatomic Coulombic Decay in ArKr after $\text{Ar } 2p$ Auger Decay
Journal of Physics B: Atomic, Molecular and Optical Physics, **41** (2008) 025101
- Yuichiro Morishita, Norio Saito, Isao Suzuki, Hironobu Fukuzawa, Xiao-Jing Liu, Kentaro Sakai, Georg Prümper, Kiyoshi Ueda, Hiroshi Iwayama, Kiyonobu Nagaya, Makoto Yao, Katharina Kreidi, Thorsten Weber, Kenneth Harris, Till Jahnke, Reinhard Dörner, Markus Schöffler, Yusuke Tamenori
- 13327
X-ray Absorption Measured in Resonant Auger Scattering Mode
Physical Review Letters, **101** (2008) 073001
Yasumasa Hikosaka, Yasen Velkov, Eiji Shigemasa, Tatsuo Kaneyasu, Yusuke Tamenori, Ji Liu, Fraïs Gel'mukhanov
- 13328
Mechanism of Spontaneous Two-Electron Emission from Core-Excited States of Molecular CO
Physical Review Letters, **101** (2008) 183003
Tatsuo Kaneyasu, Yasumasa Hikosaka, Pascal Lablanquie, Francis Penent, Lidea Andric, Gregory Gamblin, John Eland, Yusuke Tamenori, Tomohiro Matsushita, Eiji Shigemasa
- 13336
Fluorine K-shell Photoelectron Angular Distribution from CF_4 Molecules in the Molecular Frame
Chemical Physics Letters, **451** (2008) 182-185
Hironobu Fukuzawa, Xiao-Jing Liu, Takato Teranishi, Kentaro Sakai, Georg Prümper, Kiyoshi Ueda, Yuichiro Morishita, Norio Saito, Mauro Stener, Piero Decleva
- 13337
Angle Resolved Photoion Yield and Resonant Auger Spectroscopy for the Doubly Excited Rydberg States above the C $1s$ Threshold of CO
Physical Review A, **78** (2008) 033422
Masashi Kitajima, Ralph Püttner, Stacey Sorensen, Takahiro Tanaka, Masamitsu Hoshino, Hironobu Fukuzawa, Alberto De Fanis, Yusuke Tamenori, Rami Sankari, Maria Piancastelli, Hiroshi Tanaka, Kiyoshi Ueda
- 13338
Symmetry Resolved X-ray Absorption Fine Structure and Resonant Auger Spectator Electron Decay Study of $\text{O } 1s \rightarrow$ Rydberg Resonances in O_2
Physical Review A, **78** (2008) 022516
Takahiro Tanaka, Raimund Feifel, Masashi Kitajima, Hiroshi Tanaka, Stacey Sorensen, Rami Sankari, Alberto De Fanis, Maria Piancastelli, L. Karlsson, Kiyoshi Ueda

- 13339
Photoabsorption Spectra of CF₃I and Thermally Dissociated CF₃I Near the C 1s, I 3d and F 1s Ionisation Thresholds
Journal of Electron Spectroscopy and Related Phenomena, **164** (2008) 24-27
Takahiro Tanaka, Masamitsu Hoshino, Hidetoshi Katou, Yusuke Tamenori, Kiyoshi Ueda, Hiroshi Tanaka
- 13340
Vibrationally Resolved Partial Cross Sections and Asymmetry Parameters for Nitrogen K-shell Photoionization of the NO Molecule
Journal of Physics B: Atomic, Molecular and Optical Physics, **41** (2008) 085105
Masamitsu Hoshino, R. Montuoro, R. R. Lucchese, Alberto De Fanis, Uwe Hergenhahn, Georg Pruemper, Takahiro Tanaka, Hiroshi Tanaka, Kiyoshi Ueda
- 13342
Internal Inelastic Scattering Satellite Probed by Molecular-Frame Photoelectron Angular Distributions from CO₂
Physical Review Letters, **101** (2008) 023001
Xiao-Jing Liu, Hironobu Fukuzawa, Takato Teranishi, Alberto De Fanis, Masahiko Takahashi, Hiroaki Yoshida, Amine Cassimi, Achim Czasch, Lothar Schmidt, Reinhard Dörner, Inosuke Koyano, Norio Saito, Kiyoshi Ueda
- 13343
Breakdown of the Two-Step Model in K-Shell Photoemission and Subsequent Decay Probed by the Molecular-Frame Photoelectron Angular Distributions of CO₂
Physical Review Letters, **101** (2008) 083001
Xiao-Jing Liu, Hironobu Fukuzawa, Takato Teranishi, Alberto De Fanis, Masahiko Takahashi, Hiroaki Yoshida, Amine Cassimi, Achim Czasch, Lothar Schmidt, Reinhard Dörner, Kwanghsi Wang, Bjorn Zimmermann, Vincent McKoy, Inosuke Koyano, Norio Saito, Kiyoshi Ueda
- 13344
Nitrogen K-shell Photoelectron Angular Distribution from NO Molecules in the Molecular Frame
Journal of Physics B: Atomic, Molecular and Optical Physics, **41** (2008) 045102
Hironobu Fukuzawa, Xiao-Jing Liu, Montuoro Raffaele, Lucchese Robert, Yuichiro Morishita, Norio Saito, Masahiro Kato, Isao Suzuki, Yusuke Tamenori, Takato Teranishi, Toralf Lischke, Georg Prümper, Kiyoshi Ueda
- 13345
A Vibrational Resolved C 1s⁻¹ Auger Spectrum of CO₂
Journal of Physics B : Atomic, Molecular and Optical Physics, **41** (2008) 045103
Ralph Püttner, V. Sekushin, G. Kaendl, Xiao-Jing Liu, Hironobu Fukuzawa, Kiyoshi Ueda, Takahiro Tanaka, Masamitsu Hoshino, Hiroshi Tanaka
- 13346
State-dependent Gerade/Ungerade Intensity Ratios in the Auger Spectrum of N₂
Journal of Physics B : Atomic, Molecular and Optical Physics, **41** (2008) 141001
Ralph Püttner, Hironobu Fukuzawa, Xiao-Jing Liu, Nikolai A. Cherepkov, Takahiro Tanaka, Masamitsu Hoshino, Hiroshi Tanaka, Kiyoshi Ueda
- 13347
Recoil Excitation of Vibrational Structure in the Carbon 1s Photoelectron Spectrum of CF₄
The Journal of Chemical Physics, **128** (2008) 144311
Darrah Thomas, Edwin Kukk, Rami Sankari, Hironobu Fukuzawa, Georg Pruemper, Kiyoshi Ueda, Ralph Püttner, James Harries, Yusuke Tamenori, Takahiro Tanaka, Masamitsu Hoshino, Hiroshi Tanaka
- 13348
The O 1s Photoelectron Spectrum of Molecular Oxygen Revisited
Journal of Physics B: Atomic, Molecular and Optical Physics, **41** (2008) 095101
Stacey Sorensen, K. J. Borve, Raimund Feifel, Alberto De Fanis, Kiyoshi Ueda
- 13349
X-ray Absorption and Resonant Auger Spectroscopy of O₂ in the Vicinity of the O 1s → σ* Resonance : Experiment and Theory
The Journal of Chemical Physics, **128** (2008) 064304
Raimund Feifel, V. Velkov, Vincenzo Caravetta, C. Angeli, R. Cimraglia, P. Satek, F. Gel'mukhanov, Stacey Sorensen, Maria Piancastelli, Alberto De Fanis, Kazumasa Okada, Masashi Kitajima, Takahiro Tanaka, Hiroshi Tanaka, Kiyoshi Ueda
- 13350
Is CO Carbon KVV Auger Electron Emission Affected by the Photoelectron?
Physical Review Letters, **101** (2008) 233202
Georg Prümper, Hironobu Fukuzawa, Daniel Rolles, Kentaro

Sakai, Kevin Prince, James Harries, Yusuke Tamenori, Nora Berrah, Kiyoshi Ueda

13363

Near E_F Electronic Structure of Heavily Boron-Doped Superconducting Diamond

Journal of Physics and Chemistry of Solids, **69** (2008) 2978-2981
Hiroyuki Okazaki, Takayoshi Yokoya, Jin Nakamura, Nobuyoshi Yamada, Tetsuya Nakamura, Takayuki Muro, Yusuke Tamenori, Tomohiro Matsushita, Yasutaka Takata, Takashi Tokushima, Shik Shin, Yoshihiko Takano, Masanori Nagao, Tomohiro Takenouchi, Hiroshi Kawarada, Tamio Oguchi

13722

Oxide-mediated Formation of α -FeSi₂ on Si(001) Studied by X-ray Adsorption Near Edge Structure Analysis using SPELEEM

Surface and Interface Analysis, **40** (2008) 1747-1750
Fumihiko Maeda, Hiroki Hibino, Satoru Suzuki, FangZhun Guo

13760

Angle-resolved Photoelectron Study on the Structures of Silicon Nitride Films and Si₃N₄/Si Interfaces Formed using Nitrogen-Hydrogen Radicals

Journal of Applied Physics, **104** (2008) 114112
Takashi Aratani, Masaaki Higuchi, Shigetoshi Sugawa, Eiji Ikenaga, Ushio Jiro, Hiroshi Nohira, Tomoyuki Suwa, Akinobu Teramoto, Tadahiro Ohmi, Takeo Hattori

BL28B2

12105

Direct Determination of Burgers Vector Sense and Magnitude of Elementary Dislocations by Synchrotron White X-ray Topography

Journal of Applied Physics, **103** (2008) 013510
Daisuke Nakamura, Satoshi Yamaguchi, Yoshiharu Hirose, Toshihiko Tani, Kazumasa Takatori, Kentarou Kajiwara, Tsunenobu Kimoto

12380

Structural Study of Expanded Fluid Cesium

Journal of Physics : Conference Series, **98** (2008) 012003
Kazuhiro Matsuda, Satoshi Naruse, Kentaro Hayashi, Kozaburo Tamura, Masanori Inui, Yukio Kajihara

12381

Structural and Electronic Properties of Expanding Fluid Metals
Journal of Physics : Condensed Matter, **20** (2008) 114102
Kozaburo Tamura, Masanori Inui, Kazuhiro Matsuda

12626

X-ray Diffraction Measurements of Expanded Fluid Sulfur up to the Supercritical Region

Journal of Physics : Conference Series, **98** (2008) 012008
Masanori Inui, Yasushi Azumi, Shinya Hosokawa, Yukio Kajihara, Kazuhiro Matsuda, Kozaburo Tamura

12651

Measurement of Internal Strain in Materials using High Energy White X-ray at SPring-8

Materials Science Forum, **571-572** (2008) 267-270
Jun-ichi Shibano, Takahisa Shobu, Kenji Suzuki, Koji Kiriyama, Kentarou Kajiwara, Hiroshi Kaneko, Michiaki Kobayashi

12861

Study on Imaging and Strain Mapping in the Vicinity of Internal Crack Tip Using Synchrotron White X-Ray

材料 (Journal of the Society of Materials Science, Japan), **57** (2008) 667-673

Jun-ichi Shibano, Kentarou Kajiwara, Koji Kiriyama, Takahisa Shobu, Kenji Suzuki, Suguru Nishimura, Setsuo Miura, Michiaki Kobayashi

13196

Dose Distribution of a 125 keV Mean Energy Microplanar X-ray Beam for Basic Studies on Microbeam Radiotherapy

Medical Physics, **35** (2008) 3252-3258
Yumiko Ohno, Masami Torikoshi, Masao Suzuki, Keiji Umetani, Yasuhiko Imai, Kentaro Uesugi, Naoto Yagi

14050

In Situ Time-Resolved Energy-Dispersive XAFS Study on Photodeposition of Rh Particles on a TiO₂ Photocatalyst

The Journal of Physical Chemistry C, **112** (2008) 8495-8498
Kentarou Teramura, Shin-ichi Okuoka, Seiji Yamazoe, Kazuo Kato, Tetsuya Shishido, Tsunehiro Tanaka

14189

Observing Copper Chloride during Dioxin Formation Using Dispersive XAFS

X-Ray Spectrometry, **37** (2008) 210-214
Takashi Fujimori, Masaki Takaoka, Kazuo Kato, Kazuyuki

Oshita, Nobuo Takeda

BL35XU

12246

Direct Observation of Low-Energy Sm Phonon in $\text{SmRu}_4\text{P}_{12}$
Journal of the Physical Society of Japan, **77** (2008) 033601
Satoshi Tsutsui, Hisao Kobayashi, Daisuke Ishikawa, John Sutter, Alfred Baron, Takumi Hasegawa, Norio Ogita, Masayuki Udagawa, Yoshitaka Yoda, Hideya Onodera, Daisuke Kikuchi, Hitoshi Sugawara, Chihiro Sekine, Ichimin Shirotnani, Hideyuki Sato

12309

Intrinsic Ferroelectric Instability in $\text{Pb}(\text{In}_{1/2}\text{Nb}_{1/2})\text{O}_3$ Revealed by Changing B-site Randomness : Inelastic X-ray Scattering Study
Physical Review B, **77** (2008) 094136
Kenji Ohwada, Kazuma Hirota, Hikaru Terauchi, Tatsuo Fukuda, Satoshi Tsutsui, Alfred Baron, Jun'ichiro Mizuki, Hidehiro Ohwa, Naohiko Yasuda

12387

Inelastic X-ray Scattering Experiments at Extreme Conditions: High Temperatures and High Pressures
Condensed Matter Physics, **11** (2008) 71-81
Shinya Hosokawa

12394

Low-energy Excitation in As_2S_3 Glass Studied by Inelastic X-ray Scattering
Journal of Non-Crystalline Solids, **354** (2008) 2669-2672
Kiyoto Matsuishi, Shinya Hosokawa, Satoshi Tsutsui, Alfred Baron

12395

Collective Dynamics of As_2S_3 Glass Investigated by Inelastic X-ray Scattering
Journal of Non-Crystalline Solids, **354** (2008) 2715-2718
Shinya Hosokawa, Kiyoto Matsuishi, Masanori Inui, Yukio Kajihara, Satoshi Tsutsui, Alfred Baron

12398

Investigation of the Anharmonic Guest Modes in Filled Skutterudites Using Inelastic X-ray Scattering Techniques
Journal of the Physical Society of Japan, **77** (2008) 257-259
Satoshi Tsutsui, Hisao Kobayashi, John Sutter, Hiroshi Uchiyama, Alfred Baron, Yoshitaka Yoda, Daisuke Kikuchi,

Hitoshi Sugawara, Chihiro Sekine, Ichimin Shirotnani, Akira Ochiai, Hideyuki Sato

12491

Soft-Phonon-Driven Superconductivity in CaAlSi as Seen by Inelastic X-ray Scattering
Physical Review B, **77** (2008) 140503
Sogo Kuroiwa, Alfred Baron, Takahiro Muranaka, R. Heid, K.-P. Bohnen, Jun Akimitsu

12494

Damping of the Collective Modes in Liquid Fe
Physical Review B, **77** (2008) 174203
Shinya Hosokawa, Masanori Inui, Kazuhiro Matsuda, Daisuke Ishikawa, Alfred Baron

12495

Experimental Techniques of High-Resolution Inelastic X-ray Scattering Measurements for Supercritical Metallic Fluids at High Temperature and High Pressure using Synchrotron Radiation at SPring-8
Condensed Matter Physics, **11** (2008) 83-93
Masanori Inui, Daisuke Ishikawa, Kazuhiro Matsuda, Kozaburo Tamura, Alfred Baron

12628

Collective Dynamics and de Gennes Narrowing in Polymeric Liquid Se: High-resolution Inelastic X-ray Scattering
Physical Review B, **77** (2008) 224201
Masanori Inui, Shinya Hosokawa, Kazuhiro Matsuda, Satoshi Tsutsui, Alfred Baron

12703

Bond Stretching Phonon Softening and Kinks in the Angle-Resolved Photoemission Spectra of Optimally Doped $\text{Bi}_2\text{Sr}_{1.6}\text{La}_{0.4}\text{Cu}_2\text{O}_{6+\delta}$ Superconductors
Physical Review Letters, **100** (2008) 227002
Jeff Graf, Matteo d'Astuto, C. Jozwiak, D. R. Garcia, Naurang Saini, M. Krisch, Kazuhiko Ikeuchi, Alfred Baron, H. Eisaki, A. Lanzana

12831

Dynamical Structure in Liquid Te Using Inelastic X-ray Scattering: from Semiconductor-Metal Transition to Metallic Regime
Journal of Physics: Conference Series, **98** (2008) 022001
Yukio Kajihara, Masanori Inui, Shinya Hosokawa, Kazuhiro Matsuda, Alfred Baron

13054

Lattice Dynamics of $\text{LaFeAsO}_{1-x}\text{F}_x$ and PrFeAsO_{1-y} via Inelastic X-ray Scattering and First-Principles Calculation

Journal of the Physical Society of Japan, **77** (2008) 103715

Tatsuo Fukuda, Alfred Baron, Shinichi Shamoto, Motoyuki Ishikado, Hiroki Nakamura, Masahiko Machida, Hiroshi Uchiyama, Satoshi Tsutsui, Akira Iyo, Hijiri Kito, Jun'ichiro Mizuki, Masatoshi Arai, Hiroshi Eisaki, Hideo Hosono

13055

Experimental Determination of the Elasticity of Iron at High Pressure

Journal of Geophysical Research, **113** (2008) B09213

Wendy Mao, Viktor Struzhkin, Alfred Baron, Satoshi Tsutsui, Caterina E. Tommaseo, Hans-Rudolf Wenk, Michael Hu, Paul Chow, Wolfgang Sturhahn, Jinfu Shu, Russell J. Hemley, Dion L. Heinz, Ho-kwang Mao

13085

Precise Determination of Elastic Constants by High-Resolution Inelastic X-ray Scattering

Journal of Synchrotron Radiation, **15** (2008) 618-623

Hiroshi Fukui, Tomoo Katsura, Takahiro Kuribayashi, Takuya Matsuzaki, Akira Yoneda, Eiji Ito, Yasuhiro Kudoh, Satoshi Tsutsui, Alfred Baron

13229

Dynamical Inhomogeneity of Liquid Te Near the Melting Temperature Proved by Inelastic X-ray Scattering Measurements

Journal of Physics: Condensed Matter, **20** (2008) 494244

Yukio Kajihara, Masanori Inui, Shinya Hosokawa, Kazuhiro Matsuda, Alfred Baron

13919

First Study of the B_{1g} Buckling Phonon Mode in Optimally Doped, De-Twinned, $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ by Inelastic X-ray Scattering

Journal of Physics and Chemistry of Solids, **69** (2008) 3100-3102

Alfred Baron, John P. Sutter, Satoshi Tsutsui, Hiroshi Uchiyama, Takahiko Masui, Setsuko Tajima, Rolf Heid, Klaus-Peter Bohnen

14027

Observation of Phonon Softening in a Ti-Ni-Fe Alloy by Inelastic X-ray Scattering

Materials Science and Engineering A, **481-482** (2008) 254-257

Takuya Ohba, Daichi Kitanosono, Shigekazu Morito, Takashi Fukuda, Tomoyuki Kakeshita, Alfred Baron, Satoshi Tsutsui

BL37XU

11863

Observation of Arsenic Transfer in Leaf Tissue of Hyperaccumulator Fern by Utilizing Synchrotron Radiation Micro-XRF Imaging

Chemistry Letters, **37** (2008) 32-33

Nobuyuki Kitajima, Teruhiko Kasiwabara, Naoki Fukuda, Satosi Endou, Akiko Hokura, Yasuko Terada, Izumi Nakai

12178

State-sensitive Monitoring of Gold Nanoparticle Sites on Titania and the Interaction of the Positive Au site with O_2 by Au $L\alpha_1$ -selecting X-ray Absorption Fine Structure

Inorganica Chimica Acta, **361** (2008) 1149-1156

Yasuo Izumi, Diaa Obaid, Kazushi Konishi, Dilshad Masih, Masafumi Takagaki, Yasuko Terada, Hajime Tanida, Tomoya Uruga

12803

Micro X-ray Fluorescence Imaging and Micro X-ray Absorption Spectroscopy of Cadmium Hyper-Accumulating Plant, *Arabidopsis halleri* ssp. *gemmaifera*, Using High-Energy Synchrotron Radiation

Journal of Analytical Atomic Spectrometry, **23** (2008) 1068-1075

Naoki Fukuda, Akiko Hokura, Nobuyuki Kitajima, Yasuko Terada, Hiroyuki Saito, Tomoko Abe, Izumi Nakai

13311

High-Sensitive Measurement of Uranium L_{III} -Edge X-ray Absorption Near-Edge Structure (XANES) for the Determination of the Oxidation States of Uranium in Crustal Materials

Applied Geochemistry, **23** (2008) 2452-2461

Yoshio Takahashi, Yuhei Yamamoto, Hiroshi Shimizu, Yasuko Terada, Hajime Tanida, Tomoya Uruga

13417

Distribution of Lead in Lead-accumulating Pteridophyte *Blechnum niponicum*, Measured by Synchrotron Radiation Micro X-ray Fluorescence

Analytical Sciences, **24** (2008) 1545-1549

Hiroshi Nishioka, Hirofumi Kodera, Yasuji Muramatsu, Yasuko Terada

13565

Speciation of Antimony in PET Bottles Produced in Japan and China by X-ray Absorption Fine Structure Spectroscopy

Environmental Science & Technology **42** (2008) 9045-9050

- Yoshio Takahashi, Kyoko Sakuma, Takaaki Itai, Satoshi Mitsunobu, Guodong Zheng
- 13782
The Signaling Adaptor Protein CD3 ζ is a Negative Regulator of Dendrite Development in Young Neurons
Molecular Biology of the Cell, **19** (2008) 2444-2456
Stéphane J. Baudouin, Julie Angibaud, Gildas Loussouarn, Virginie Bonnamain, Akihiro Matsuura, Miyuki Kinebuchi, Philippe Naveilhan, Héléme Boudin
- 13789
Chemical Speciation of Arsenic-Accumulating Mineral in a Sedimentary Iron Deposit by Synchrotron Radiation Multiple X-ray Analytical Techniques
Environmental Science & Technology, **42** (2008) 7152-7158
Satosi Endou, Yasuhiro Kato, Yasuko Terada, Izumi Nakai
- 13950
Study of Zn-bearing beaverite $\text{Pb}(\text{Fe}_2\text{Zn})(\text{SO}_4)_2(\text{OH})_6$ Obtained from Mikawa Mine, Niigata Prefecture, Japan
Journal of Mineralogical and Petrological Sciences, **103** (2008) 141-144
Eriko Satou, Izumi Nakai, Yasuko Terada, Yukiyasu Tsutsumi, Kazumi Yokoyama, Ritsuro Miyawaki, Satoshi Matsubara
- BL38B1**
- 11549
Novel Cation- π Interaction Revealed by Crystal Structure of Thermoalkalophilic Lipase
Proteins : Structure, Function, and Bioinformatics, **70** (2008) 592-598
Hiroyoshi Matsumura, Tsuyoshi Inoue, Takahiko Yamamoto, Thean Chor Leow, Tadashi Mori, Abu Bakar Salleh, Yasushi Kai, Raja Noor Zaliha Raja Abd Rahman
- 11550
Crystal Structure of 5-methylthioribose 1-phosphate Isomerase Product Complex from *Bacillus Subtilis* : Implications for Catalytic Mechanism
Protein Science, **17** (2008) 126-135
Haruka Tamura, Tsuyoshi Inoue, Yohtarō Saito, Yasushi Kai, Hiroki Ashida, Akiho Yokota, Hiroyoshi Matsumura
- 12110
Structure and Quantum Chemical Analysis of NAD^+ -Dependent Isocitrate Dehydrogenase : Hydride Transfer and Co-factor Specificity
Proteins : Structure, Function, and Bioinformatics, **70** (2008) 63-71
Katsumi Imada, Takashi Tamura, Ryo Takenaka, Issei Kobayashi, Keiichi Namba, Kenji Inagaki
- 12253
Structures of D-amino-acid Amidase Complexed with L-phenylalanine and with L-phenylalanine Amide: Insight into the D-stereospecificity of D-amino-acid Amidase from *Ochrobactrum anthropi* SV3
Acta Crystallographica Section D, **64** (2008) 331-334
Seiji Okazaki, Atsuo Suzuki, Tsunehiro Mizushima, Hidenobu Komeda, Yasuhisa Asano, Takashi Yamane
- 12543
Structure and Molecular Dynamics Simulation of Archaeal Prefoldin: The Molecular Mechanism for Binding and Recognition of Nonnative Substrate Proteins
Journal of Molecular Biology, **376** (2008) 1130-1141
Akashi Ohtaki, Hiroshi Kida, Yusuke Miyata, Naoki Ide, Akihiro Yonezawa, Takatoshi Arakawa, Ryo Iizuka, Keiichi Noguchi, Akiko Kita, Masafumi Odaka, Kunio Miki, Masafumi Yohda
- 12595
Substrate Recognition by Family 7 Alginate Lyase from *Sphingomonas* sp. A1
Journal of Molecular Biology, **380** (2008) 373-385
Kohei Ogura, Masayuki Yamasaki, Bunzo Mikami, Wataru Hashimoto, Kousaku Murata
- 12606
Crystal Structure of YihS in Complex with D-Mannose : Structural Annotation of *Escherichia coli* and *Salmonella enterica* yihS-encoded Proteins to an Aldose-Ketose Isomerase
Journal of Molecular Biology, **377** (2008) 1443-1459
Takafumi Itoh, Bunzo Mikami, Wataru Hashimoto, Kousaku Murata
- 12691
A Helical String of Alternately Connected Two Three-helix Bundles for the 1.1-Megadalton Cell Wall-Associated Adhesion Protein Ebh from *Staphylococcus aureus* Structure, **16** (2008) 488-496
Yoshikazu Tanaka, Sou Sakamoto, Makoto Kuroda, Syuuitirou Goda, Yong-Gui Gao, Kouhei Tsumoto, Yuzuru Hiragi, Min Yao, Nobuhisa Watanabe, Toshiko Ohta, Isao Tanaka

12693

Crystal Structure of the PH1932 Protein, a Unique Archaeal ArsR Type winged-HTH Transcription Factor from *Pyrococcus horikoshii* OT3

Proteins: Structure, Function, and Bioinformatics, **70** (2008) 1631-1634

Hiroshi Itou, Min Yao, Nobuhisa Watanabe, Isao Tanaka

12695

Purification, Crystallization and Preliminary X-Ray Studies of AxcesD Required for Efficient Cellulose Biosynthesis in *Acetobacter xylinum*

Protein and Peptide Letters, **15** (2008) 115-117

SongQing Hu, Yong-Gui Gao, Kenji Tajima, Min Yao, Takanori Yoda, Daisuke Shimura, Yasuharu Satoh, Shin Kawano, Isao Tanaka, Masanobu Munekata

13254

Purification, Crystallization and Preliminary X-ray Diffraction Analysis of the Putative ABC Transporter ATP-binding Protein from *Thermotoga maritima*

Acta Crystallographica Section F, **64** (2008) 498-500

Abdul Ethayathulla, Yoshitaka Bessho, Akeo Shinkai, Balasundaram Padmanabhan, Tej Singh, Punit Kaur, Shigeyuki Yokoyama

13491

Structure and Thermal Behavior of a Cellulose I-Ethylenediamine Complex

Biomacromolecules, **9** (2008) 2898-2904

Masahisa Wada, Gu Joong Kwon, Yoshiharu Nishiyama

14182

Crystal Structure of a Novel Bacterial Cell-Surface Flagellin Binding to Polysaccharide

Biochemistry, **47** (2008) 1393-1402

Yukie Maruyama, Misato Momma, Bunzo Mikami, Wataru Hashimoto, Kousaku Murata

14204

Structure of the Partially Unliganded met State of 400 kDa Hemoglobin: Insights into Ligand-induced Structural Changes of Giant Hemoglobins

Proteins: Structure, Function, and Bioinformatics, **73** (2008) 113-125

Nobutaka Numoto, Taro Nakagawa, Akiko Kita, Yuichi Sasayama, Yoshihiro Fukumori, Kunio Miki

14207

Structural Basis for the Heterotropic and Homotropic Interactions of Invertebrate Giant Hemoglobin

Biochemistry, **47** (2008) 11231-11238

Nobutaka Numoto, Taro Nakagawa, Akiko Kita, Yuichi Sasayama, Yoshihiro Fukumori, Kunio Miki

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12172

Chemically Induced Permanent Magnetism in Au, Ag, and Cu Nanoparticles : Localization of the Magnetism by Element Selective Techniques

Nano Letters, **8** (2008) 661-667

Jose Garitaonandia, Maite Insausti, Eider Goikolea, Motohiro Suzuki, John Cashion, Naomi Kawamura, Hitoshi Osawa, Izaskun Muro, Kiyonori Suzuki, Fernando Plazaola, Teofilo Rojo

12340

Can K^L Bands be a Probe for State-Selective XAFS Measurements?

X線分析の進歩 (Advances in X-ray Chemical Analysis, Japan), **39** (2008) 129-136

Hisashi Hayashi

12548

Lifetime-broadening-suppressed XANES Spectra of Copper Complexes

X-Ray Spectrometry, **37** (2008) 232-236

Hisashi Hayashi, Shuji Matsuo, Tsutomu Kurisaki, Naomi Kawamura

12702

Reversible Photo-tuning of Ferromagnetism at Au-S Interfaces at Room Temperature

Angewandte Chemie International Edition, **47** (2008) 160-163

Masayuki Suda, Naoto Kameyama, Motohiro Suzuki, Naomi Kawamura, Yasuaki Einaga

12764

Hard X-ray Photoemission Spectroscopy Combined with Magnetic Circular Dichroism: Application to Fe_{3-x}Zn_xO₄ Spinel Oxide Thin Films

Applied Physics Express, **1** (2008) 077003

Shigenori Ueda, Hidekazu Tanaka, Junichi Takaobushi, Eiji Ikenaga, Jungjin Kim, Masaaki Kobata, Tomoji Kawai, Hitoshi Osawa, Naomi Kawamura, Motohiro Suzuki, Keisuke

Kobayashi

12887

Disentanglement of Magnetic Contributions in Multi-Component Systems by Using X-ray Magnetic Circular Dichroism at a Single Absorption Edge

Journal of Synchrotron Radiation, **15** (2008) 440-448

Jesus Chaboy, Maria Laguna, Cristina Piquer, Roberto Boada, Hiroshi Maruyama, Naomi Kawamura

12890

Experimental Determination of the $R(5d)$ - $T(3d)$ Hybridization in Rare-Earth Intermetallics

Physical Review B, **77** (2008) 125132

Maria Laguna, Jesus Chaboy, Cristina Piquer

12891

An XMCD Study of the $R(4f)$ - $R(5d)$ - $T(3d)$ Interaction in R - T Intermetallics

Journal of Applied Physics, **103** (2008) 07E141

Maria Laguna, Jesus Chaboy, Cristina Piquer

13092

Single-crystal Epitaxial Thin Films of SrFeO_2 with FeO_2 "Infinite Layers"

Applied Physics Letters, **92** (2008) 161911

Satoru Inoue, Masanori Kawai, Yuichi Shimakawa, Masaichiro Mizumaki, Naomi Kawamura, Takashi Watanabe, Yoshihiro Tsujimoto, Hiroshi Kageyama, Kazuyoshi Yoshimura

13115

Element-specific Hard X-ray Micro-magnetometry of Magnetic Modifications in Co-Pt Dots Fabricated by Ion Etching

Journal of Magnetism and Magnetic Materials, **320** (2008) 3157-3160

Yuji Kondo, Takashi Chiba, Jun Ariake, Kaori Taguchi, Motohiro Suzuki, Masafumi Takagaki, Naomi Kawamura, Bin Mohamad Zulfakri, Sumio Hosaka, Naoki Honda

13268

A Cartography of $K\beta$ Resonant Inelastic X-ray Scattering for Lifetime-Broadening-Suppressed Spin-Selected XANES Spectra of α - Fe_2O_3

Journal of Electron Spectroscopy and Related Phenomena, **168** (2008) 34-39

Hisashi Hayashi, Tomofumi Azumi, Atsushi Sato, Yasuo Udagawa

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12285

Dilute-Solution Properties of Polystyrene Polymacromonomer Having Side Chains of over 100 Monomeric Units

Polymer Journal, **40** (2008) 109-115

Yo Nakamura, Manabu Sugiyama, Takashi Norisuye

12370

Hydration Process of Multi-stacked Phospholipid Bilayers to Form Giant Vesicles

Chemical Physics Letters, **455** (2008) 297-302

Mafumi Hishida, Hideki Seto, Norifumi Yamada, Kenichi Yoshikawa

12416

The Crystallographic Study of Left-handed Z-DNA $d(\text{CGCGCG})_2$ and Thermine Complexes Crystallized at Various Temperatures and at Various Concentration of Cations

Biochemical and Biophysical Research Communications, **368** (2008) 382-387

Hirofumi Ohishi, Mamiko Odoko, Da-Yang Zhou, Kazuhiko Nakatani, Toshimasa Ishida, Nobuo Okabe, Yoshitaka Tozuka, Kazimierz Grzeskowiak

12421

Polyamines Stabilize Left-handed Z-DNA: Using X-ray Crystallographic Analysis, We Have Found a New Type of Polyamine (PA) that Stabilizes Left-handed Z-DNA

Biochemical and Biophysical Research Communications, **366** (2008) 275-280

Hirofumi Ohishi, Mamiko Odoko, Kouji Tsukamoto, Da-Yang Zhou, Keiichi Fukuyama, Kazimierz Grzeskowiak, Toshimasa Ishida, Yoichi Hiyama, Naoyoshi Maezaki, Tetsuaki Tanaka, Nobuo Okabe, Kazuhiko Nakatani

12434

Phase Transitions upon Heating for Melt-Drawn Ultra-High Molecular Weight Polyethylenes Having Different Molecular Characteristics

The Journal of Physical Chemistry B, **112** (2008) 5311-5316

Masaki Kakiage, Miho Sekiya, Takeshi Yamanobe, Tadashi Komoto, Sono Sasaki, Syozo Murakami, Hiroki Uehara

12660

Facile Formation of Uniform Shell Crosslinked Nanoparticles with Built-in Functionalities from N-Hydroxysuccinimide-Activated Amphiphilic Block Copolymers

Advanced Functional Materials, **18** (2008) 551-559
Yali Li, Isamu Akiba, Karen Wooley, Simon Harrison

12731

Anomalous Phase Behavior in Blends of -SO₃H Terminated Polystyrene with Poly(*n*-butyl Acrylate) Containing a Small Amount of Tertiary Amino Groups

e-Polymers, (2008) 1-5

Kenji Yamamoto, Ayumi Nakano, Hiroyasu Masunaga, Isamu Akiba

12742

Switchable *C*- and *N*-Bound Isomers of Transition-Metal Cyanocarbanions : Synthesis and Interconversions of Cyclopentadienyl Ruthenium Complexes of Phenylsulfonylacetonitrile Anions

Chemistry - A European Journal, **14** (2008) 2482-2498

Takeshi Naota, Akio Tanna, Shigeaki Kamuro, Masayuki Hieda, Kazuki Ogata, Shun-Ichi Murahashi, Hikaru Takaya

12855

Direct Observation of Fat Crystallization in a Living Fly by X-ray Diffraction: Fat Crystallization Does not Cause the Fly's Instantaneous Death, but Ice Formation Does

Cryobiology, **57** (2008) 75-77

Hiroshi Takahashi, Chihiro Katagiri, Satoru Ueno, Katsuaki Inoue

12881

Dimensions and Viscosity Behavior of Polyelectrolyte Brushes in Aqueous Sodium Chloride. A Polymacromonomer Consisting of Sodium Poly(Styrene Sulfonate)

Polymer, **49** (2008) 4174-4179

Eiji Kanamaru, Ken Terao, Yo Nakamura, Takashi Norisuye

12963

Initial Stage of Fiber Structure Development in the Continuous Drawing of Poly(ethylene terephthalate)

Journal of Polymer Science Part B: Polymer Physics, **46** (2008) 2126-2142

Yutaka Ohkoshi, Hiroshi Urakawa, Yasuo Gotoh, Takayoshi Yamaguchi, Syuuji Hitoosa, Takahisa Murata, Mitsuharu Koide, Masaru Kotera, KyoungHou Kim

13012

Amphiphilic Molecular Design as a Rational Strategy for Tailoring Bicontinuous Electron Donor and Acceptor Arrays : Photoconductive Liquid Crystalline Oligothiophene-C₆₀ Dyads

Journal of the American Chemical Society, **130** (2008) 8886-8887

Wei-Shi Li, Yohei Yamamoto, Takanori Fukushima, Akinori Saeki, Shu Seki, Seiichi Tagawa, Hiroyasu Masunaga, Sono Sasaki, Masaki Takata, Takuzo Aida

13038

Chain Dimensions and Hydration Behavior of Collagen Model Peptides in Aqueous Solution : [Glycyl-4(*R*)-hydroxyprolyl-4(*R*)-hydroxyproline]_{*n*}, [Glycylprolyl-4(*R*)-hydroxyproline]_{*n*}, and Some Related Model Peptides

Macromolecules, **41** (2008) 7203-7210

Ken Terao, Kazunori Mizuno, Maiko Murashima, Yusuke Kita, Chizuru Hongo, Kenji Okuyama, Takashi Norisuye, Hans Peter Bächinger

13086

Versatile Architecture of a Bacterial Aconitase B and Its Catalytic Performance in the Sequential Reaction Coupled with Isocitrate Dehydrogenase

Biochimica et Biophysica Acta - Proteins and Proteomics, **1784** (2008) 1847-1856

Daisuke Tsuchiya, Nobutaka Shimizu, Masaru Tomita

13474

Hierarchical Structures of Phospholipid: from Thermodynamics of Membrane to Kinetics of Vesicle Formation

Doctor Thesis (Kyoto University), (2008)

Mafumi Hishida

13979

Hydration Process of Multi-Stacked Phospholipid Bilayers to Form Giant Vesicles

Chemical Physics Letters, **455** (2008) 297-302

Mafumi Hishida, Hideki Seto, Norifumi Yamada, Kenichi Yoshikawa

BL40XU

12322

Time-Resolved Investigation of Nanosecond Crystal Growth in Rapid-Phase-Change Materials: Correlation with the Recording Speed of Digital Versatile Disc Media

Applied Physics Express, **1** (2008) 045001

Yoshimitsu Fukuyama, Nobuhiro Yasuda, Jungeun Kim, Haruno Murayama, Yoshihito Tanaka, Shigeru Kimura, Kenichi Kato, Shinji Kohara, Yutaka Moritomo, Toshiyuki Matsunaga, Rie Kojima, Noboru Yamada, Hitoshi Tanaka,

Takashi Ohshima, Masaki Takata

12603

Mammalian Xanthine Oxidoreductase - Mechanism of Transition from Xanthine Dehydrogenase to Xanthine Oxidase
The FEBS Journal, **275** (2008) 3278-3289

Tomoko Nishino, Ken Okamoto, Bryan T. Egar, Emil Pai, Takeshi Nishino

12666

The Use of Micro-beam X-ray Diffraction for the Characterization of Starch Crystal Structure in Rice Mutant Kernels of *Waxy*, *Amylose Extender*, and *Sugary1*

Journal of Cereal Science, **48** (2008) 92-97

Akiko Kubo, Yoshiaki Yuguchi, Makoto Takemasa, Shiho Suzuki, Hikaru Satoh, Shinichi Kitamura

12701

Ultra-high-precision Time Control System over Any Long Time Delay for Laser Pump and Synchrotron X-ray Probe Experiment

Review of Scientific Instruments, **79** (2008) 045107

Yoshimitsu Fukuyama, Nobuhiro Yasuda, Jungeun Kim, Haruno Murayama, Takashi Ohshima, Yoshihito Tanaka, Shigeru Kimura, Hayato Kamioka, Yutaka Moritomo, Koshiro Toriumi, Hitoshi Tanaka, Kenichi Kato, Tetsuya Ishikawa, Masaki Takata

12813

Comparative Study on Strain-Induced Crystallization Behavior of Peroxide Cross-Linked and Sulfur Cross-Linked Natural Rubber

Macromolecules, **41** (2008) 5876-5884

Yuko Ikeda, Yoritaka Yasuda, Kensuke Hijikata, Masatoshi Tosaka, Shinzo Kohjiya

13534

Structural Changes in the Muscle Thin Filament during Contractions Caused by Single and Double Electrical Pulses

Journal of Molecular Biology, **383** (2008) 1019-1036

Tatsuhito Matsuo, Naoto Yagi

14379

Mechanical Characteristics of Hydrogenated Natural Rubber Vulcanizates

Polymers for Advanced Technologies, **19** (2008) 1608-1615

Yuko Ikeda, Pranee Phinyocheep, Sumet Kittipoom, Jareerat Ruancharoen, Yota Kokubo, Yuichi Morita, Kensuke Hijikata,

Shinzo Kohjiya

BL41XU

12080

Crystal Structure of Histone Demethylase LSD1 and Tranylcypromine at 2.25 Å

Biochemical and Biophysical Research Communications, **366** (2008) 15-22

Shinya Mimasu, Toru Sengoku, Seketsu Fukuzawa, Takashi Umehara, Shigeyuki Yokoyama

12110

Structure and Quantum Chemical Analysis of NAD⁺-Dependent Isocitrate Dehydrogenase : Hydride Transfer and Co-factor Specificity

Proteins : Structure, Function, and Bioinformatics, **70** (2008) 63-71

Katsumi Imada, Takashi Tamura, Ryo Takenaka, Issei Kobayashi, Keiichi Namba, Kenji Inagaki

12253

Structures of D-amino-acid Amidase Complexed with L-phenylalanine and with L-phenylalanine Amide : Insight into the D-stereospecificity of D-amino-acid Amidase from *Ochrobactrum anthropi* SV3

Acta Crystallographica Section D, **64** (2008) 331-334

Seiji Okazaki, Atsuo Suzuki, Tsunehiro Mizushima, Hidenobu Komeda, Yasuhisa Asano, Takashi Yamane

12345

Crystallographic Studies on Multiple Conformational States of Active-Site Loops in Pyrrolysyl-tRNA Synthetase

Journal of Molecular Biology, **378** (2008) 634-652

Tatsuo Yanagisawa, Ryohei Ishii, Ryuya Fukunaga, Takatsugu Kobayashi, Kensaku Sakamoto, Shigeyuki Yokoyama

12416

The Crystallographic Study of Left-handed Z-DNA d(CGCGCG)₂ and Thermine Complexes Crystallized at Various Temperatures and at Various Concentration of Cations

Biochemical and Biophysical Research Communications, **368** (2008) 382-387

Hirofumi Ohishi, Mamiko Odoko, Da-Yang Zhou, Kazuhiko Nakatani, Toshimasa Ishida, Nobuo Okabe, Yoshitaka Tozuka, Kazimierz Grzeskowiak

- 12419
Crystallization and Preliminary X-ray Diffraction Studies of Polyketide Synthase-1 (PKS-1) from *Cannabis sativa*
Acta Crystallographica Section F, **64** (2008) 217-220
Chiho Taguchi, Futoshi Taura, Taro Tamada, Yoshinari Shoyama, Yukihiro Shoyama, Hiroyuki Tanaka, Ryota Kuroki, Satoshi Morimoto
- 12420
Mutagenesis of the Crystal Contact of Acidic Fibroblast Growth Factor
Journal of Synchrotron Radiation, **15** (2008) 285-287
Eijiro Honjo, Taro Tamada, Motoyasu Adachi, Ryota Kuroki, Akshaya Meher, Michael Blaber
- 12421
Polyamines Stabilize Left-handed Z-DNA : Using X-ray Crystallographic Analysis, We Have Found a New Type of Polyamine (PA) that Stabilizes Left-handed Z-DNA
Biochemical and Biophysical Research Communications, **366** (2008) 275-280
Hirofumi Ohishi, Mamiko Odoko, Kouji Tsukamoto, Da-Yang Zhou, Keiichi Fukuyama, Kazimierz Grzeskowiak, Toshimasa Ishida, Yoichi Hiyama, Naoyoshi Maezaki, Tetsuaki Tanaka, Nobuo Okabe, Kazuhiko Nakatani
- 12490
Crystal Structures of Biapenem and Tebipenem Complexed with Penicillin-Binding Proteins 2X and 1A from *Streptococcus pneumoniae*
Antimicrobial Agents and Chemotherapy, **52** (2008) 2053-2060
Mototsugu Yamada, Takashi Watanabe, Nobuyoshi Baba, Yasuo Takeuchi, Fukuichi Ohsawa, Shuichi Gomi
- 12544
Insights into the Stator Assembly of the *Vibrio* Flagellar Motor from the Crystal Structure of MotY
Proceedings of the National Academy of Sciences of the United States of America, **105** (2008) 7696-7701
Seiji Kojima, Akari Shinohara, Hiriyuki Terashima, Toshiharu Yakushi, Mayuko Sakuma, Michio Homma, Keiichi Namba, Katsumi Imada
- 12545
Crystal Structure of Human Cyclophilin D in Complex with Its Inhibitor, Cyclosporin A at 0.96 Å Resolution
Proteins: Structure, Function, and Bioinformatics, **70** (2008) 1635-1639
Kenji Kajitani, Masahiro Fujihashi, Yukiko Kobayashi, Shigeomi Shimizu, Yoshihide Tsujimoto, Kunio Miki
- 12546
Crystal Structure of the [2Fe-2S] Oxidative-Stress Sensor SoxR Bound to DNA
Proceedings of the National Academy of Sciences of the United States of America, **105** (2008) 4121-4126
Satoshi Watanabe, Akiko Kita, Kazuo Kobayashi, Kunio Miki
- 12578
Crystal Structures of *Echerichia coli* γ -Glutamyltranspeptidase in Complex with Azaserine and Acivicin : Novel Mechanistic Implication for Inhibition by Glutamine Antagonists
Journal of Molecular Biology, **380** (2008) 361-372
Kei Wada, Jun Hiratake, Machiko Irie, Toshihiro Okada, Chiaki Yamada, Hidehiko Kumagai, Hideyuki Suzuki, Keiichi Fukuyama
- 12659
Crystallization and Preliminary X-ray Diffraction Analysis of Recombinant Hepatitis E Virus-like Particle
Acta Crystallographica Section F, **64** (2008) 318-322
Che-Yen Wang, Tetsuo Yamashita, Naoyuki Miyazaki, Akifumi Higashiura, Atsushi Nakagawa, Tian-Chen Li, Naokazu Takeda, Li Xing, Erik Hjalmarsson, Claes Friberg, Der-Ming Liou, Yen-Jen Sung, Tomitake Tsukihara, Yoshiharu Matsuura, Tatsuo Miyamura, Holland R. Cheng
- 12692
Structure of Protein PH0536 from *Pyrococcus horikoshii* at 1.7 Å Resolution Reveals a Novel Assembly of an Oligonucleotide / Oligosaccharide-binding Fold and an α -helical Bundle
Proteins: Structure, Function, and Bioinformatics, **71** (2008) 503-508
Yong-Gui Gao, Min Yao, Isao Tanaka
- 12695
Purification, Crystallization and Preliminary X-Ray Studies of AxcesD Required for Efficient Cellulose Biosynthesis in *Acetobacter xylinum*
Protein and Peptide Letters, **15** (2008) 115-117
SongQing Hu, Yong-Gui Gao, Kenji Tajima, Min Yao, Takanori Yoda, Daisuke Shimura, Yasuharu Satoh, Shin Kawano, Isao Tanaka, Masanobu Munekata
- 12782
Preparation, Crystallization and Preliminary X-ray Diffraction

- Analysis of the DNA Binding Domain of the Ets Transcription Factor in Complex with Target DNA
Acta Crystallographica Section F, **64** (2008) 171-174
Yoshiaki Suwa, Teruya Nakamura, Sachiko Toma, Shinji Ikemizu, Hirofumi Kai, Yuriko Yamagata
- 13037
Anti-FGF23 Neutralizing Antibodies Show the Physiological Role and Structural Features of FGF23
Journal of Bone and Mineral Research, **23** (2008) 1509-1518
Yuji Yamazaki, Taro Tamada, Noriyuki Kasai, Itaru Urakawa, Yukiko Aono, Hisashi Hasegawa, Toshiro Fujita, Ryota Kuroki, Seiji Fukumoto, Takeyoshi Yamashita, Takashi Shimada
- 13121
The Asymmetric Trimeric Architecture of [2Fe-2S] IscU : Implications for Its Scaffolding during Iron-Sulfur Cluster Biosynthesis
Journal of Molecular Biology, **383** (2008) 133-143
Yoshimitsu Shimomura, Kei Wada, Keiichi Fukuyama, Yasuhiro Takahashi
- 13244
Multistep Engineering of Pyrrolysyl-tRNA Synthetase to Genetically Encode N^ε-(*o*-Azidobenzoyloxycarbonyl)lysine for Site-Specific Protein Modification
Chemistry and Biology, **15** (2008) 1187-1197
Tatsuo Yanagisawa, Ryohei Ishii, Ryuya Fukunaga, Takatsugu Kobayashi, Kensaku Sakamoto, Shigeyuki Yokoyama
- 13395
Structural Basis for Gibberellin Recognition by Its Receptor GID1
Nature, **456** (2008) 520-523
Asako Shimada, Hiroaki Kato, Toru Nakatsu, Miyako Ueguchi-Tanaka, Masatoshi Nakajima, Youichi Naoe, Hiroko Ohmiya, Makoto Matsuoka
- 13396
Conformational Transition of Sec Machinery Inferred from Bacterial SecYE Structures
Nature, **455** (2008) 988-991
Tomoya Tsukazaki, Hiroyuki Mori, Shuya Fukai, Ryuichiro Ishitani, Takaharu Mori, Naoshi Dohmae, Anna Perederina, Yuji Sugita, Dmitry Vassilyev, Koreaki Ito, Osamu Nureki
- 13398
Structural Insights into RNA-dependent Eukaryal and Archaeal Selenocysteine Formation
Nucleic Acids Research, **36** (2008) 1187-1199
Yuhei Araiso, Satiria Palioura, Ryuichiro Ishitani, R. Lynn Sherrer, Patrick O'Donoghue, Jing Yuan, Hiroyuki Oshikane, Naoshi Domae, Julian DeFranco, Diester Söil, Osamu Nureki
- 13450
X-ray Crystallographic and Biochemical Characterizations of a Mutant Photosystem II Complex from *Thermosynechococcus vulcanus* with the *psbTc* Gene Inactivated by an Insertion Mutation
Journal of Synchrotron Radiation, **15** (2008) 304-307
Nobuo Kamiya, Takahiro Henmi, Masako Iwai, Masahiko Ikeuchi, Keisuke Kawakami, Jian-Ren Shen
- 13455
Structures and Functions of the Extrinsic Proteins of Photosystem II from Different Species
Photosynthesis Research, **98** (2008) 349-363
Isao Enami, Akinori Okumura, Ryo Nagao, Masako Iwai, Takehiro Suzuki, Jian-Ren Shen
- 13472
Structure of an N-terminally Truncated Selenophosphate Synthetase from *Aquifex aeolicus*
Acta Crystallographica Section F, **64** (2008) 453-458
Eiko Matsumoto, Shun-ichi Sekine, Ryogo Akasaka, Yumi Otta, Kazushige Katsura, Mio Inoue, Takaho Terada, Mikako Shirouzu, Shigeyuki Yokoyama
- 13489
Crystallographic Studies on Multiple Conformational States of Active-site Loops in Pyrrolysyl-tRNA Synthetase
Journal of Molecular Biology, **378** (2008) 634-652
Tatsuo Yanagisawa, Ryohei Ishii, Ryuya Fukunaga, Takatsugu Kobayashi, Kensaku Sakamoto, Shigeyuki Yokoyama
- 13792
Crystallographic and Mutational Studies of seryl-tRNA Synthetase from the Archaeon *Pyrococcus horikoshii*
RNA Biology, **5** (2008) 169-177
Yuzuru Ito, Shun-ichi Sekine, Chizu Kuroishi, Takaho Terada, Mikako Shirouzu, Seiki Kuramitsu, Shigeyuki Yokoyama
- 13793
Structural Basis for the Exclusive Specificity of

- Slac2-a/Melanophilin for the Rab27 GTPases
 Structure, **16** (2008) 1478-1490
 Mutsuko Kukimoto-Niino, Ayako Sakamoto, Eiko Kanno,
 Kyoko Hanawa-Suetsugu, Takaho Terada, Mikako Shirouzu,
 Mitsunori Fukuda, Shigeyuki Yokoyama
- 14037
 Crystal Structure of the Proline Iminoamidase-Related
 Protein TTHA1809 from *Thermus thermophilus* HB8
 Proteins : Structure, Function, and Bioinformatics, **70** (2008)
 1646-1649
 Masahiko Okai, Yumiko Miyauchi, Akio Ebihara, Woocheol
 Lee, Koji Nagata, Masaru Tanokura
- 14126
 Crystal Structure of Human Ribosomal Protein L10 Core
 Domain Reveals Eukaryote-Specific Motifs in Addition to the
 Conserved Fold
 Journal of Molecular Biology, **377** (2008) 421-430
 Mitsuhiro Nishimura, Tatsuya Kaminishi, Chie Takemoto,
 Masahito Kawazoe, Takuya Yoshida, Akiko Tanaka, Sumio
 Sugano, Mikako Shirouzu, Tadayasu Ohkubo, Shigeyuki
 Yokoyama, Yuji Kobayashi
- 14204
 Structure of the Partially Unliganded met State of 400 kDa
 Hemoglobin: Insights into Ligand-induced Structural Changes
 of Giant Hemoglobins
 Proteins : Structure, Function, and Bioinformatics, **73** (2008)
 113-125
 Nobutaka Numoto, Taro Nakagawa, Akiko Kita, Yuichi
 Sasayama, Yoshihiro Fukumori, Kunio Miki
- 14206
 Structural and Molecular Characterization of the Prefoldin β
 Subunit from *Thermococcus* Strain KS-1
 Journal of Molecular Biology, **383** (2008) 465-474
 Hiroshi Kida, Yuri Sugano, Ryo Iizuka, Masahiro Fujihashi,
 Masafumi Yohda, Kunio Miki
- 14207
 Structural Basis for the Heterotropic and Homotropic Interactions
 of Invertebrate Giant Hemoglobin
 Biochemistry, **47** (2008) 11231-11238
 Nobutaka Numoto, Taro Nakagawa, Akiko Kita, Yuichi
 Sasayama, Yoshihiro Fukumori, Kunio Miki
- 14226
 Crystal Structure of an Archaeal Ski2p-like Protein from
Pyrococcus horikoshii OT3
 Protein Science, **17** (2008) 136-145
 Xiaodong Zhang, Takashi Nakashima, Yoshimitsu Kakuta,
 Min Yao, Isao Tanaka, Makoto Kimura
- 14228
 Structural and Functional Characterization of the LldR from
Corynebacterium glutamicum : a Transcriptional Repressor
 Involved in L-Lactate and Sugar Utilization
 Nucleic Acid Research, **36** (2008) 7110-7123
 Yong-Gui Gao, Hiroaki Suzuki, Hiroshi Itou, Yong Zhou,
 Yoshikazu Tanaka, Masaaki Wachi, Nobuhisa Watanabe, Isao
 Tanaka, Min Yao
- 14229
 Electron Microscopy and Computational Studies of Ebh, a
 Giant Cell-wall-associated Protein from *Staphylococcus aureus*
 Biochemical and Biophysical Research Communication, **376**
 (2008) 261-266
 Sou Sakamoto, Yoshikazu Tanaka, Isao Tanaka, Toshiaki
 Takei, Jian Yu, Makoto Kuroda, Min Yao, Toshiko Ohta,
 Kouhei Tsumoto
- BL43IR**
- 12318
 Universal Scaling in the Optical Conductivity of Heavy
 Fermion Compounds
 Physica B, **403** (2008) 761-763
 Hidekazu Okamura, Masaharu Matsunami, Tatsuya Watanabe,
 Tomohiro Nishihara, Naohito Tsujii, T. Ebihara, T. Sugawara,
 H. Sato, Yoshichika Onuki, Y. Isikawa, M. S. Kim, Toshiro
 Takabatake, Takao Nanba
- 12319
 Optical Conductivity and Electronic Structures of Ce-filled
 Skutterudites
 Journal of the Physical Society of Japan, **77** (2008) 315-317
 Masaharu Matsunami, Hidekazu Okamura, Kazuyoshi Senoo,
 Shuhei Nagano, Chihiro Sekine, Ichimin Shirogane, Hitoshi
 Sugawara, Hideyuki Sato, Takao Nanba
- 12405
 Evaluation of the Local Homogeneity Fluctuation of Sinter of
 the Small Chip Size MLCCs by Means of Mid-Infrared
 Spectroscopy

- Infrared Physics and Technology, **51** (2008) 433-437
Koichiro Tsuzuku, Shinsuke Takeoka, Tomoya Hagiwara, Yuka Ikemoto
- 12443
BL43IR at SPring-8 Redirected
Infrared Physics and Technology, **51** (2008) 400-403
Taro Moriwaki, Yuka Ikemoto
- 12446
Evaluation of Dispersion State of the Two Racemic Compounds of Troglitazone in Pharmaceutical Granules using IR-to-THz Imaging
Infrared Physics and Technology, **51** (2008) 450-453
Etsuo Yonemochi, Naho Furuyama, Mika Bunko, Taro Moriwaki, Yuka Ikemoto, Katsuhide Terada
- 12454
Broad Band Infrared Near-Field Spectroscopy at Finger Print Region using SPring-8
Infrared Physics and Technology, **51** (2008) 417-419
Yuka Ikemoto, Taro Moriwaki, Hidekazu Okamura, Takahiko Sasaki, Naoki Yoneyama, Atsushi Taguchi, Yasushi Inouye, Satoshi Kawata, Toyohiko Kinoshita
- 12488
Electronic State of $\text{PrFe}_4\text{P}_{12}$ Under High Pressure Probed by Infrared Spectroscopy
Physica B, **403** (2008) 948-949
Akinori Irizawa, Takao Nanba, Kazuyuki Satou, Masayo Kobayasi, Kotaro Shimai, Tomoko Murakami, Hidekazu Okamura, Masaharu Matsunami, Hitoshi Sugawara, Hideyuki Satou
- 12580
Pressure Induced Heavy Electron States in TmTe
Infrared Physics and Technology, **51** (2008) 438-439
Yoshihiko Taniguchi, Takao Nanba, Akinori Irizawa, Kenzou Iizuka, Kotaro Shimai, T. Mataumura
- 12581
Study of Optical Response of Spinel Oxide by Utilizing IR-THz Spectromicroscopy
Infrared Physics and Technology, **51** (2008) 468-469
Kotaro Shimai, Takao Nanba, Akinori Irizawa, Kazuyuki Satou, Kenzou Iizuka, Mototsugu Nishiyama, Seiji Niitaka, Hidenori Takagi
- 12583
Pressure Effect on Pr-based Skutterudite Compounds
Journal of the Physical Society of Japan, **77** (2008) 214-215
Akinori Irizawa, Takao Nanba, Kotaro Shimai, Kazuyuki Satou, Masayo Kobayasi, Tomoko Murakami, Hidekazu Okamura, Masaharu Matsunami, Chihiro Sekine, Ichimin Shirotani
- 12876
Electronic Inhomogeneity EuO: Possibility of Magnetic Polaron States
Physical Review B, **78** (2008) 052409
Shin-ichi Kimura, Takahiro Ito, Hidetoshi Miyazaki, Takafumi Mizuno, Takuya Iizuka, Toshiharu Takahashi
- 13263
Optical Probe of Carrier Doping by X-ray Irradiation in the Organic Dimer Mott Insulator κ -(BEDT-TTF) $_2$ Cu[N(CN) $_2$]Cl
Physical Review Letters, **101** (2008) 206403
Takahiko Sasaki, Naoki Yoneyama, Yoko Nakamura, Norio Kobayashi, Yuka Ikemoto, Taro Moriwaki, Hiroaki Kimura
- BL46XU**
- 12326
N-type Field-Effect Transistor Based on a Fluorinated-Graphene
Organic Electronics, **9** (2008) 328-332
Tomohiko Mori, Yoshihiro Kikuzawa, Hisato Takeuchi
- 12499
A Hydrogen Storage Layer on the Surface of Silicon Nitride Films
Applied Physics Express, **92** (2008) 192115
Ziyuan Liu, Shuu Ito, Markus Wilde, Katuyuki Funahashi, Ichiro Hirosawa, Tomoyuki Koganezawa
- 12515
A Structural Study of Amorphous In_2O_3 -ZnO Films by Grazing Incidence X-ray Scattering (GIXS) with Synchrotron Radiation
Thin Solid Films, **516** (2008) 5818-5821
Futoshi Utsuno, Hiroyuki Inoue, Tadao Shibuya, Kazuyoshi Inoue, Koki Yano, Ichiro Hirosawa, Tetsuo Honma
- 12706
X-ray Reflectivity Study on Depth Profile of Acid Generator Distribution in Chemically Amplified Resists
Applied Physics Express, **1** (2008) 065004
Takehiro Fukuyama, Takahiro Kozawa, Seiichi Tagawa, Ryoichi Takasu, Hiroto Yukawa, Mitsuru Sato, Junichi Onodera, Ichiro

Hirosawa, Tomoyuki Koganezawa, Kazuyuki Horie

12760

Identification of Microscopic Spin-polarization Coupling in the Ferroelectric Phase of a Magnetoelectric Multiferroic $\text{CuFe}_{1-x}\text{Al}_x\text{O}_2$

Physical Review B, **78** (2008) 024106

Tarou Nakajima, Setsuo Mitsuda, Toshiya Inami, Noriki Terada, Hiroyuki Ohsumi, Karel Prokes, Andrei Podlesnyak

12944

Effect of End-Substitutions of Distyryl-oligothiophenes by Hexyl Chains

on Environmental Stability in Organic Thin Film Transistors

Organic Electronics, **9** (2008) 591-601

Christine Videlot-Ackerman, H. Brisset, J. Ackermann, J. Zhang, P. Raynal, F. Fages, G. H. Mehl, Toshinori Tanisawa, Noriyuki Yoshimoto

13016

Dependence of Kind of Solvents for Washing on Surface of Rubbed Polyimide Film

IEICE Transactions on Electronics, **E91-C** (2008) 1587-1592

Tomoyuki Koganezawa, Ichiro Hirosawa, Takahiro Sakai

13068

Depth Distribution of Ge Fraction in Very-Thin-SGOI Layers Using Total-External-Reflection X-ray Diffraction

Transactions of the Materials Research Society of Japan, **33** (2008) 599-602

Tomoaki Kawamura, Hiroo Omi, Shigeru Kimura, Masaichiro Mizumaki

13261

Evaluation of Super-Critical Thickness Strained-Si on Insulator (sc-SSOI) Substrate

Solid-State Electronics, **52** (2008) 1845-1848

Atsushi Ogura, Tetsuya Yoshida, Daisuke Kosemura, Munehisa Takei, Y. Kakemura, H. Saito, Takayoshi Shimura, Tomoyuki Koganezawa, Ichiro Hirosawa

13283

Effect of Solidification Velocity on Weld Solidification Process of Alloy Tool Steel

Science and Technology of Welding and Joining, **13** (2008) 409-414

Tadafumi Hashimoto, Hidenori Terasaki, Yu-ichi Komizo

BL47XU

12265

Detecting Micrometer-scale Platinum-group Minerals in Mantle Peridotite with Microbeam Synchrotron Radiation X-ray Fluorescence Analysis

Geochemistry, Geophysics, Geosystems, **9** (2008) Q03018

Tetsu Kogiso, Katsuhiko Suzuki, Toshihiro Suzuki, Kazunori Shinotsuka, Kentaro Uesugi, Akihisa Takeuchi, Yoshio Suzuki

12255

Microfabric Analysis of the Surficial Layer of Deep Sea Sediments by Micro X-ray CT: An Example from the Nansei-shoto (Ryukyu) Trench

地質学雑誌 (The Journal of the Geological Society of Japan), **114** (2008) 3-4

Kiichiro Kawamura, Kentaro Uesugi, Motohiro Shimanaga, Noriko Kawamura, Makoto Ito

12330

Three-Dimensional Observation of Ductile Fracture Process by Deflecticon Contrast Imaging in Cast Al-7%Si Alloys

軽金属 (Journal of Japan Institute of Light Metals), **58** (2008) 58-64

Tatsumasa Hidaka, Hiroyuki Toda, Masakazu Kobayashi, Kentaro Uesugi, Toshiro Kobayashi

12400

The Influence of 0-0.1 wt.% Ni on the Microstructure and Fluidity Length of Sn-0.7Cu-xNi

Journal of Electronic Materials, **37** (2008) 32-39

Tina Ventura, Christopher Gourlay, Kazuhiro Nogita, Tetsuro Nishimura, Michel Rappaz, Arne Dahle

12452

Structural Characteristics of GeTe-rich $\text{GeTe-Sb}_2\text{Te}_3$ Pseudobinary Metastable Crystals

Journal of Applied Physics, **103** (2008) 093511

Toshiyuki Matsunaga, Hiromi Morita, Rie Kojima, Noboru Yamada, Kouichi Kifune, Yoshiki Kubota, Y. Tabata, Jungjin Kim, Masaaki Kobata, Eiji Ikenaga, Keisuke Kobayashi

12503

High-density Three-dimensional Mapping of Internal Strain by Tracking Microstructural Features

Acta Materialia, **56** (2008) 2167-2181

Masakazu Kobayashi, Hiroyuki Toda, Yuji Kawai, Tomomi Ohgaki, Kentaro Uesugi, David Wilkinson, Toshiro Kobayashi,

Yoshimitsu Aoki, Mitsuru Nakazawa

12507

Three-dimensional Visualization of Ductile Fracture in an Al-Si Alloy by High-resolution Synchrotron X-ray Microtomography
Materials Science and Engineering A, **483-484** (2008) 293-296
Lihe Qian, Hiroyuki Toda, Kentaro Uesugi, Tomomi Ohgaki, Masakazu Kobayashi, Toshiro Kobayashi

12535

Subgap States in Transparent Amorphous Oxide Semiconductor, In-Ga-Zn-O, Observed by Bulk Sensitive X-ray Photoelectron Spectroscopy
Applied Physics Letters, **92** (2008) 202117
Kenji Nomura, Toshio Kamiya, Hiroshi Yanagi, Eiji Ikenaga, Yang Ke, Keisuke Kobayashi, Masahiro Hirano, Hideo Hosono

13147

Band Bending Measurement of HfO₂/SiO₂/Si Capacitor with Ultra-Thin La₂O₃ Insertion by XPS
Applied Surface Science, **254** (2008) 6106-6108
Kuniyuki Kakushima, Koichi Okamoto, M. Adachi, Kiichi Tachi, JaeYeol Song, Soshi Sato, Takamasa Kawanago, Parhat Ahmet, Kazuo Tsutsui, Nobuyuki Sugii, Takeo Hattori, Hiroshi Iwai

13148

Relationship between Optical Dielectric Constant and XPS Relative Chemical Shift of 1s and 2p Levels for Dielectric Compounds
Journal of Physics: Conference Series, **100** (2008) 012011
Kazuyuki Hirose, Haruhiko Suzuki, Hiroshi Nohira, Eiji Ikenaga, Keisuke Kobayashi, Takeo Hattori

13149

Investigation of the Effect of *in situ* Annealing of FePt Nanodots under High Vacuum on the Chemical States of Fe and Pt by X-ray Photoelectron Spectroscopy
Journal of Applied Physics, **104** (2008) 074316
M. Murugesan, Jicheol Bea, C.-K. Yin, Hiroshi Nohira, Eiji Ikenaga, Takeo Hattori, M. Nishijima, T. Fukushima, Satoshi Tanaka, Masanobu Miyao, Mitsumasa Koyanagi

13478

Direct Measurement Procedure for 3-D Local Crack Driving Force Using Synchrotron X-ray Microtomography
Acta Materialia, **56** (2008) 6027-6039

Hiroyuki Toda, Shin Yamamoto, Masakazu Kobayashi, Kentaro Uesugi

13554

Non-destructive Search for Micrometer-Scale Minerals from the Inside of Rock Samples with Synchrotron Radiation X-ray : A Case Study for Platinum-Group Elements
地球科学 (Geochemistry), **42** (2008) 217-228
Tetsu Kogiso, Katsuhiko Suzuki, Toshihiro Suzuki, Kentaro Uesugi, Akihisa Takeuchi, Yoshio Suzuki

13715

Observation of Band Bending of Metal/high-*k* Si Capacitor with High Energy X-ray Photoemission Spectroscopy and its Application to Interface Dipole Measurement
Journal of Applied Physics, **104** (2008) 104908
Kuniyuki Kakushima, Koichi Okamoto, Kiichi Tachi, JaeYeol Song, Soshi Sato, Kazuo Tsutsui, Parhat Ahmet, Takeo Hattori, Hiroshi Iwai

専用ビームライン

BL11XU

12341

Polarized SSXANES Study of Spin Ordering in Ferromagnetic and Paramagnetic Phases of La_{1.2}Sr_{1.65}Ca_{0.15}Mn₂O₇
Journal of Magnetism and Magnetic Materials, **320** (2008) 1528-1534

Krishna Garg, Hisashi Hayashi, Atsushi Sato, Tomofumi Azumi, Yasuo Udagawa, Toshiya Inami, Kenji Ishii, T. Chatterji

12762

In situ Determination of Sb Distribution in Sb/GaAs(0 0 1) Layer for High-density InAs Quantum Dot Growth
Journal of Crystal Growth, **310** (2008) 3436-3439
Toshiyuki Kaizu, Masamitsu Takahashi, Kouichi Yamaguchi, Jun'ichiro Mizuki

12858

As-rich InAs(001)-(2×4) Phases Investigated by *in situ* Surface X-ray Diffraction
Journal of Vacuum Science & Technology B, **26** (2008) 1516-1520
Brad Tinkham, Wolfgang Braun, Klaus Ploog, Masamitsu Takahashi, Jun'ichiro Mizuki, Frank Grosse

13163

GaSb(001) Surface Reconstructions Measured at the Growth

Front by Surface X-Ray Diffraction

Journal of Electronic Materials, **37** (2008) 1793-1798

Brad Tinkham, Oleksandr Romanyuk, Wolfgang Braun, Klaus Ploog, Frank Grosse, Masamitsu Takahashi, Toshiyuki Kaizu, Jun'ichiro Mizuki

13276

Development of neV-Resolution Spectroscopy Using Synchrotron -Based ^{57}Fe Mössbauer Radiation

Japanese Journal of Applied Physics, **47** (2008) 8087-8090

Ryo Masuda, Takaya Mitsui, Shinji Kitao, Satoshi Higashitaniguchi, Yoshitaka Yoda, Makoto Seto

13277

Conversion Electron and X-ray Mössbauer Spectroscopies Using Synchrotron Radiation

Japanese Journal of Applied Physics, **47** (2008) 7136-7139

Takaya Mitsui, Makoto Seto, Ryo Masuda, Yasuhiro Kobayashi, Shinji Kitao

13278

Iron-specific Phonon Density of States in the Superconductors $\text{LaFeAsO}_{1-x}\text{F}_x$ and $\text{La}_{1-x}\text{Ca}_x\text{FePO}$

Physical Review B, **78** (2008) 174507

Satoshi Higashitaniguchi, Makoto Seto, Shinji Kitao, Yasuhiro Kobayashi, Makina Saitou, Ryo Masuda, Takaya Mitsui, Yoshitaka Yoda, Yoichi Kamihara, Masahiro Hirano, Hideo Hosono

BL12XU

12779

Coordination Environment of Silicon in Silica Glass up to 74 GPa : An X-ray Raman Scattering Study at the Silicon *L* Edge

Physical Review B, **78** (2008) 012203

Hiroshi Fukui, Masami Kanzaki, Nozomu Hiraoka, Yong Cai

13137

Pressure-Induced Valence Anomaly in TmTe Probed by Resonant Inelastic X-Ray Scattering

Physical Review Letters, **101** (2008) 127401

Ignace Jarrige, Jean-Pascal Rueff, Sean Shieh, Munetaka Taguchi, Yasuo Ohishi, Takeshi Matsumura, Jinbao Wang, Hirofumi Ishii, Nozomu Hiraoka, Yong Cai

13138

Thermally Activated Charge Transfer in a Prussian Blue Derivative Probed by Resonant Inelastic X-ray Scattering

Applied Physics Letters, **93** (2008) 054101

Ignace Jarrige, Yong Cai, Hirofumi Ishii, Nozomu Hiraoka, Anne Bleuzen

13596

Cost-effective Upgrade of a Focusing System for Inelastic X-ray Scattering Experiments under High Pressure

Journal of Synchrotron Radiation, **15** (2008) 50-54

Chi-Yi Huang, Yong Cai, Nozomu Hiraoka, Cheng-Chi Chen, Shih-Chun Chung, Yen-Fang Song, King-Long Tsang

13597

Anomalous Angular Dependence of the Dynamical Structure Factor Near Bragg Reflections: Graphite

Physical Review Letters, **101** (2008) 266406

Ralf Hambach, C. Giorgetti, F. Sottile, Nozomu Hiraoka, Yong Cai, A. G. Marinopoulos, F. Bechstedt, Lucia Reining

13598

X-ray Raman Scattering Study of MgSiO_3 Glass at High Pressure : Implication for Triclustered MgSiO_3 Melt in Earth's Mantle

Proceedings of the National Academy of Sciences of the United States of America, **105** (2008) 7925-7929

Sung Keun Lee, Jung-Fu Lin, Yong Cai, Nozomu Hiraoka, Takuo Okuchi, Ho-kwang Mao, Hiroshi Fukui, Peter Eng, Paul Chow, Yue Meng, Michael Hu, Jinfu Shu, Baosheng Li, Bum Han Lee, Hyun Na Kim, Choong-Shik Yoo

13702

Coherent Trapping of X-ray Photons in Crystal Cavities in the Picosecond Regime

Applied Physics Letters, **93** (2008) 141105

Cheng-Yu Chen, Hsueh-Hung Wu, Ying-Yi Chang, Yen-Ru Lee, Wen-Hsien Sun, Shih-Lin Chang, Yuriy Stetsko, Mau-Tsu Tang, Makina Yabashi, Tetsuya Ishikawa

13703

Dynamical Calculation for X-ray Twenty-Four Beam Diffraction in a Two-Plate Crystal Cavity of Silicon

Acta Crystallographica Section A, **64** (2008) 394-403

Mau-Sen Chiu, Yuriy Stetsko, Shih-Lin Chang

BL14B1

12651

Measurement of Internal Strain in Materials using High Energy White X-ray at SPring-8

Materials Science Forum, **571-572** (2008) 267-270

- Jun-ichi Shibano, Takahisa Shobu, Kenji Suzuki, Koji Kiriyaama, Kentarou Kajiwara, Hiroshi Kaneko, Michiaki Kobayashi
- 12872
AsS Melt under Pressure; One Substance, Three Liquids
Physical Review Letters, **100** (2008) 145701
Vadim Brazhkin, Yoshinori Katayama, Takanori Hattori, M. Kondrin, Alexander Lyapin, Hiroyuki Saitoh
- 12873
Nature of the Structural Transformations in B₂O₃ Glass under High Pressure
Physical Review Letters, **101** (2008) 035702
Vadim Brazhkin, Yoshinori Katayama, Aleksander Lyapin, K. Trachenko, O. Tsiok, M. Dove, Emilio Artacho, G. Ferlat, Yasuhiro Inamura, Hiroyuki Saitoh
- 12953
Experimental Constraints on the Phase Diagram of Titanium Metal
Journal of Physics and Chemistry of Solids, **69** (2008) 2559-2563
Jianzhong Zhang, Yusheng Zhao, Robert S. Hixson, George T. Gray III, Liping Wang, Wataru Utsumi, Hiroyuki Saitoh, Takanori Hattori
- 12954
Thermal Equations of State for Titanium Obtained by High Pressure—Temperature Diffraction Studies
Physical Review B, **78** (2008) 054119
Jianzhong Zhang, Yusheng Zhao, Robert S. Hixson, George T. Gray III, Liping Wang, Wataru Utsumi, Hiroyuki Saitoh, Takanori Hattori
- 12955
Solid-phase Grain Growth of In₂O₃ at High Pressures and Temperatures
Journal of Crystal Growth, **310** (2008) 2295-2297
Hiroyuki Saitoh, Wataru Utsumi, Katsutoshi Aoki
- 12956
Decomposition of InN at High Pressures and Temperatures and Its Thermal Instability at Ambient Conditions
Journal of Crystal Growth **310** (2008) 473-476
Hiroyuki Saitoh, Wataru Utsumi, Katsutoshi Aoki
- 13018
Magnetic and Dielectric Properties of InFe₂O₄, InFeCuO₄ and InGaCuO₄
Inorganic Chemistry, **47** (2008) 6493-6501
Kenji Yoshii, Naoshi Ikeda, Yuka Okajima, Yasuhiro Yoneda, Yoji Matsuo, Yoichi Horibe, Shigeo Mori
- 13088
Formation and Decomposition of AlH₃ in the Aluminum-Hydrogen System
Applied Physics Letters, **93** (2008) 151918
Hiroyuki Saitoh, Akihiko Machida, Yoshinori Katayama, Katsutoshi Aoki
- 13114
Local Structure of BiFeO₃-BaTiO₃ Mixture
Japanese Journal of Applied Physics Series, **47** (2008) 7590-7594
Yasuhiro Yoneda, Kenji Yoshii, Shinji Kohara, Shuji Kitagawa, Shigeo Mori
- 14149
In situ X-ray Diffraction Study of the Size Dependence of Pressure-induced Structural Transformation in Amorphous Silica Nanoparticles
Physical Review B, **77** (2008) 132201
Takashi Uchino, Atsuko Aboshi, Tomoko Yamada, Yasuhiro Inamura, Yoshinori Katayama
- 14286
Equation of State of Hexagonal Boron Nitride
Solid State Communications, **148** (2008) 390-394
Kazuhiro Fuchizaki, Takeshi Nakamichi, Hiroyuki Saitoh, Yoshinori Katayama
- BL15XU**
- 12153
Photo-oxidation over Mesoporous V-TiO₂ Catalyst under Visible Light Monitored by Vanadium K_{5,2}-selecting XANES Spectroscopy
Materials Letters, **62** (2008) 861-864
Yasuo Izumi, Kazushi Konishi, Tomohisa Miyajima, Hideaki Yoshitake
- 12173
X-ray Spectroscopic Study of the Electronic Structure of Y_{1-x}Pr_xBa₂Cu₃O₇
Physical Review B, **77** (2008) 045135

- Hitoshi Yamaoka, Hirofumi Oohashi, Ignace Jarrige, Takahito Terashima, Yanhui Zou, Hirohisa Mizota, Syusuke Sakakura, Tatsunori Tochio, Yoshiaki Ito, E. Ya Sherman, Akio Kotani
- 12231
Influence of Manganese on Iron Oxyhydroxides and Oxides Formed in Aqueous Solution
Corrosion Science, **50** (2008) 811-817
Katsuya Inoue, Masato Okui, Masahiko Tanaka, Kozo Shinoda, Shigeru Suzuki, Yoshio Waseda
- 12254
Changes in Electronic Structure and Chemical Bonding upon Crystallization of the Phase Change Material GeSb₂Te₄
Physical Review Letters, **100** (2008) 016402
A. Klein, H. Dieker, B. Späth, Paul Fons, Alexander Kolobov, C. Steimer, M. Wuttig
- 12465
CaPtO₃ as a Novel Post-Perovskite Oxide
Physics and Chemistry of Minerals, **35** (2008) 189-195
Kenya Ohgushi, Yoshitaka Matsushita, Nobuyoshi Miyajima, Yoshio Katsuya, Masahiko Tanaka, Fujio Izumi, Hirohada Gotou, Yutaka Ueda, Takehiko Yagi
- 12537
Electronic Structure of Dendrimer-Au Hybrid Nanoparticle : Hard X-ray Photoemission Study
Transactions of the Materials Research Society of Japan, **33** (2008) 169-172
Akinori Tanaka, Yoshiaki Murase, Takanobu Kitagawa, Masaki Imamura, Hidehiro Yasuda, Yuichi Negishi, Tatsuya Tsukuda, Shigenori Ueda, Yoshiyuki Yamashita, Hideki Yoshikawa, Keisuke Kobayashi
- 12550
Noncubic Crystallographic Symmetry of a Cubic Ferromagnet: Simultaneous Structural Change at the Ferromagnetic Transition
Physical Review B, **77** (2008) 014407
Sen Yang, Xiaobing Ren
- 12577
Detection of the Valence Band in Buried Co₂MnSi-MgO Tunnel Junctions by Means of Photoemission Spectroscopy
Applied Physics Letters, **92** (2008) 193513
Gerhard Fecher, Benjamin Balke, Andrei Gloskowskii, Siham Ouardi, Claudia Felser, Takayuki Ishikawa, Masafumi Yamamoto, Yoshiyuki Yamashita, Hideki Yoshikawa, Shigenori Ueda, Keisuke Kobayashi
- 12610
The Semiconductor to Metal Transition in FeSi_{1-x}Ge_x Probed by High Resolution X-ray Absorption Spectroscopy
Physica B, **403** (2008) 922-924
Naohito Tsujii, Hitoshi Yamaoka, Hirofumi Oohashi, Ignace Jarrige, Daisuke Nomoto, Katsumi Takahiro, Kouichi Ozaki, Kiyoshi Kawatsura
- 12611
Bulk Electronic Properties of FeSi_{1-x}Ge_x Investigated by High-Resolution X-ray Spectroscopies
Physical Review B, **77** (2008) 115201
Hitoshi Yamaoka, Naohito Tsujii, Hirofumi Oohashi, Daisuke Nomoto, Ignace Jarrige, Katsumi Takahiro, Kouichi Ozaki, Kiyoshi Kawatsura, Yoshinori Takahashi
- 12682
Gigantic Magneto-Optical Effects Induced by (Fe/Co)-Cosubstitution in Titania Nanosheets
Applied Physics Letters, **92** (2008) 253110
Minoru Osada, Masayuki Itose, Yasuo Ebina, Kanta Ono, Shigenori Ueda, Keisuke Kobayashi, Takayoshi Sasaki
- 12776
Hard X-ray Photoemission Spectroscopy in Wurtzite-Type Zinc Magnesium Oxide Solid-Solution Films Grown by Pulsed-Laser Deposition
Applied Physics Letters, **92** (2008) 232108
Takeo Ohsawa, Naoki Ohashi, Yutaka Adachi, Isao Sakaguchi, Haruki Ryoken, Kenji Matsumoto, Hajime Haneda, Shigenori Ueda, Hideki Yoshikawa, Keisuke Kobayashi
- 12777
Formation of Ni₃C Nanocrystals by Thermolysis of Nickel Acetylacetonate in Oleylamine: Characterization Using Hard X-ray Photoelectron Spectroscopy
Chemistry of Materials, **20** (2008) 4156-4160
Yuji Goto, Kota Taniguchi, Takahisa Omata, Shinya Matsuo, Naoki Ohashi, Shigenori Ueda, Hideki Yoshikawa, Yoshiyuki Yamashita, Hirofumi Oohashi, Keisuke Kobayashi
- 12844
Bulk Sensitive Spectroscopy for the Valence Transition in YbInCu₄-based Compounds
Physical Review B, **78** (2008) 045127
Hitoshi Yamaoka, Naohito Tsujii, Kazuya Yamamoto, Aurel

Vlaicu, Hirofumi Oohashi, Hideki Yoshikawa, Tatsunori Tochio, Yoshiaki Ito, Ashish Chainani, Shik Shin

12970

Langmuir-Blodgett Fabrication of Nanosheet-Based Dielectric Films without an Interfacial Dead Layer

Japanese Journal of Applied Physics, **47** (2008) 7556-7560

Minoru Osada, Kosho Akatsuka, Yasuo Ebina, Yoshinori Kotani, Kanta Ono, Hiroshi Funakubo, Shigenori Ueda, Keisuke Kobayashi, Kazunori Takada, Takayoshi Sasaki

12972

A New Large Radius Imaging Plate Camera for High-resolution and High-throughput Synchrotron X-ray Powder Diffraction by Multi-exposure Method

Review of Scientific Instruments, **79** (2008) 075106

Masahiko Tanaka, Yoshio Katsuya, Akiji Yamamoto

13062

New Layered Rare Earth Hydroxides with Anion-Exchange Properties

Chemistry - A European Journal, **14** (2008) 9255-9260

Fengxia Geng, Hao Xin, Yoshitaka Matsushita, Renzhi Ma, Masahiko Tanaka, Fujio Izumi, Nobuo Iyi, Takayoshi Sasaki

13066

Emission Statistics of X-ray Induced Photoelectrons and Its Comparison with Electron- and Ion-Induced Electron Emissions

Nuclear Instruments and Methods in Physics Research Section B, **266** (2008) 541-548

Kaoru Ohya, Kensuke Inai, Atsushi Nisawa, Akio Itoh

13272

Analysis of ITO/Mg:GaN Interfaces by Synchrotron Radiation Hard X-ray Photoemission Spectroscopy and Their Electrical Characteristics

Applied Surface Science, **255** (2008) 2149-2152

Yasushi Toyoshima, Masaharu Oshima, Koji Horiba, Jitsuo Ohta, Hiroshi Fujioka, Hisayuki Miki, Shigenori Ueda, Yoshiyuki Yamashita, Hideki Yoshikawa, Keisuke Kobayashi

13273

Determination of Band Structures of InN/GaN Interfaces by Synchrotron Radiation Hard X-ray Photoemission Spectroscopy

e-Journal of Surface Science and Nanotechnology, **6** (2008) 254-257

Yasushi Toyoshima, Masaharu Oshima, Koji Horiba, Jitsuo Ohta, Hiroshi Fujioka, Hisayuki Miki, Shigenori Ueda,

Yoshiyuki Yamashita, Hideki Yoshikawa, Keisuke Kobayashi

13394

General Synthesis and Structural Evolution of a Layered Family of $\text{Ln}_8(\text{OH})_{20}\text{Cl}_4 \cdot n\text{H}_2\text{O}$ (Ln=Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, and Y)

Journal of the American Chemical Society, **130** (2008) 16344-16350

Fengxia Geng, Yoshitaka Matsushita, Renzhi Ma, Hao Xin, Masahiko Tanaka, Fujio Izumi, Nobuo Iyi, Takayoshi Sasaki

BL16B2

12579

Sintering and Redispersion Behavior of Pt on Pt/MgO

Journal of Catalysis, **257** (2008) 117-124

Toshitaka Tanabe, Yasutaka Nagai, Kazuhiko Dohmae, Hideo Sobukawa, Hirohumi Shinjoh

13753

Evaluation of Catalytic Activity of $\text{Ga}_2\text{O}_3\text{-Al}_2\text{O}_3$ Solid Solutions for $\text{CH}_4\text{-SCR}$ by UV-vis Spectra after Adsorption of C_3H_6 as a Probe

Journal of Catalysis, **259** (2008) 36-42

Yuya Miyahara, Tsunenori Watanabe, Takeo Masuda, Hiroyoshi Kanai, Hiroshi Deguchi, Masashi Inoue

BL16XU

13751

Residual Stress Analysis in Lanthanum Gallate-Based Cells before and after Fuel Cell Operation

Journal of the Electrochemical Society, **155** (2008) B738-B742

Hiroyuki Yoshida, Hiroshi Deguchi, Toru Inagaki, Kouji Hashino, Mitsunobu Kawano, Kei Hosoi, Masaki Horiuchi

13765

Evaluation of the Residual Stress Profiles of Practical Size Lanthanum Gallate-Based Cells in Radial Direction

Advances in Solid Oxide Fuel Cell IV, Ceramic Engineering and Science Proceedings, **29** (2008) 123

Hiroyuki Yoshida, Mitsunobu Kawano, Kouji Hashino, Toru Inagaki, Hiroshi Deguchi, Yoshiyuki Kubota, Kei Hosoi

BL22XU

12577

Detection of the Valence Band in Buried $\text{Co}_2\text{MnSi-MgO}$

Tunnel Junctions by Means of Photoemission Spectroscopy
Applied Physics Letters, **92** (2008) 193513

Gerhard Fecher, Benjamin Balke, Andrei Gloskowskii, Siham Ouardi, Claudia Felser, Takayuki Ishikawa, Masafumi Yamamoto, Yoshiyuki Yamashita, Hideki Yoshikawa, Shigenori Ueda, Keisuke Kobayashi

12760

Identification of Microscopic Spin-polarization Coupling in the Ferroelectric Phase of a Magnetoelectric Multiferroic $\text{CuFe}_{1-x}\text{Al}_x\text{O}_2$

Physical Review B, **78** (2008) 024106

Tarou Nakajima, Setsuo Mitsuda, Toshiya Inami, Noriki Terada, Hiroyuki Ohsumi, Karel Prokes, Andrei Podlesnyak

13091

Structural Phase Transition in the Spin Gap System YbAl_3C_3

Journal of the Physical Society of Japan, **77** (2008) 103601

Takeshi Matsumura, Toshiya Inami, Masashi Kosaka, Yoshiaki Kato, Takaki Inukai, Akira Ochiai, Hironori Nakao, Youichi Murakami, Susumu Katano, Hiroyuki Suzuki

13093

High-Magnetic-Field X-ray Absorption Spectroscopy of Field-Induced Valence Transition in $\text{EuNi}_2(\text{Si}_{1-x}\text{Ge}_x)_2$

Journal of the Physical Society of Japan, **77** (2008) 054713

Yasuhiro Matsuda, Toshiya Inami, Kenji Ohwada, Hiroyuki Nojiri, Yuto Murata, Youichi Murakami, Akifumi Matsuda, Hirofumi Wada, Hiroshi Miyazaki, Isao Harada

BL23SU

12552

Mechanisms of Concurrent SiO Desorption with Oxide Layer Formation at $\text{Si}(001)$ Surface

Electrical Engineering in Japan, **164** (2008) 60-68

Yuden Teraoka, Akitaka Yoshigoe, Kousuke Moritani

12576

Reconstruction of $\text{Cu}(111)$ Induced by a Hyperthermal Oxygen Molecular Beam

The Journal of Physical Chemistry C, **112** (2008) 8662-8667

Kousuke Moritani, Michio Okada, Yuden Teraoka, Akitaka Yoshigoe, Toshio Kasai

12638

Itinerant Ferromagnetism in the Layered Crystals LaCoOX ($X=\text{P}, \text{As}$)

Physical Review B, **77** (2008) 224431

Hiroshi Yanagi, Ryuto Kawamura, Toshio Kamiya, Yoichi Kamihara, Masahiro Hirano, Tetsuya Nakamura, Hitoshi Osawa, Hideo Hosono

13008

XPS Real-time Monitoring on the Development of Si Suboxides during Formation of Thermal Oxides on $\text{Si}(110)$ Surface

電子情報通信学会技術研究報告 (信学技報, IEICE Technical Report), **108** (2008) 65-70

Yoshihisa Yamamoto, Hideaki Togashi, Atsushi Konno, Mitsutaka Matsumoto, Atsushi Kato, Eiji Saito, Maki Suemitsu, Yuden Teraoka, Akitaka Yoshigoe

13047

Nature of Magnetic Coupling between Mn Ions in As-Grown $\text{Ga}_{1-x}\text{Mn}_x\text{As}$ Studied by X-ray Magnetic Circular Dichroism

Physical Review Letters, **100** (2008) 247202

Yukiharu Takeda, Masaki Kobayashi, Tetsuo Okane, Takuo Ohkouchi, Jun Okamoto, Yuji Saitoh, Keisuke Kobayashi, Hiroshi Yamagami, Atsushi Fujimori, Arata Tanaka, Jun Okabayashi, Masaharu Oshima, Shinobu Ohya, Pham Nam Hai, Masaaki Tanaka

13096

Hydrogen Adsorption on Single-Walled Carbon Nanotubes Studied by Core-Level Photoelectron Spectroscopy and Raman Spectroscopy

Carbon, **46** (2008) 1903-1908

Akio Tokura, Fumihiko Maeda, Yuden Teraoka, Akitaka Yoshigoe, Daisuke Takagi, Yoshikazu Homma, Yoshio Watanabe, Yoshihiro Kobayashi

13099

SR-PES and STM Observation of Metastable Chemisorption State of Oxygen on $\text{Si}(110)$ -16 2 Surface

Applied Surface Science, **254** (2008) 6232-6234

Yoshihisa Yamamoto, Hideaki Togashi, Atsushi Kato, Yuya Takahashi, Atsushi Konno, Yuden Teraoka, Akitaka Yoshigoe, Hidehito Asaoka, Maki Suemitsu

13106

Magnetic Circular Dichroism of $[\text{Co}/\text{Pd}]$ and $[\text{CoB}/\text{Pd}]$ Multilayered Films

Journal of Magnetism and Magnetic Materials, **320** (2008) 3015-3018

Akane Agui, Toru Asahi, Masaichiro Mizumaki, Masahito Tanaka, Junichi Sayama, Tetsuya Osaka

- 13355
Induction of Single Strand Breaks, and Base Lesions in Plasmid DNA Films Induced by Carbon, Nitrogen, and Oxygen *KLL* Auger Process
International Journal of Radiation Biology, **84** (2008) 1104-1111
Kentaro Fujii, Akinari Yokoya, Naoya Shikazono
- 14284
Soft X-ray Magnetic Circular Dichroism Study of Uranium Monochalcogenides at Uranium $N_{4,5}$ Absorption Edges
Journal of the Physical Society of Japan, **77** (2008) 024706
Tetsuo Okane, Yukiharu Takeda, Jun Okamoto, Kazutoshi Mamiya, Takuo Ohkouchi, Shin-ichi Fujimori, Yuji Saitoh, Hiroshi Yamagami, Atsushi Fujimori, Akira Ochiai, Arata Tanaka
- 14324
Systematic Changes of the Electronic Structure of the Diluted Ferromagnetic Oxide Li-doped $Ni_{1-x}Fe_xO$ with Hole Doping
Physical Review B, **78** (2008) 155322
Masaki Kobayashi, Jong-Il Hwang, Gyongsok Song, Yasuhiro Ooki, Masaru Takizawa, Atsushi Fujimori, Yukiharu Takeda, Shin-ichi Fujimori, Kota Terai, Yuji Saitoh, Hiroshi Yamagami, Tetsuo Okane, Yuanhua Lin, Ce-Wen Nan
- 14326
Local Electronic Structure of Cr in the II-VI Diluted Ferromagnetic Semiconducto $Zn_{1-x}Cr_xTe$
New Journal of Physics, **10** (2008) 055011
Masaki Kobayashi, Yukiaki Ishida, Jong-Il Hwang, Gyongsok Song, Atsushi Fujimori, Zhi-Sheng Yang, Longlife Lee, Hong-Ji Lin, Di Jing Huang, Yukiharu Takeda, Kota Terai, Shin-ichi Fujimori, Tetsuo Okane, Yuji Saitoh, Hiroshi Yamagami, Keisuke Kobayashi, Arata Tanaka, C. T. Chen, Hidekazu Saito, Koji Ando
- 14329
Soft X-ray Absorption and Photoemission Studies of Ferromagnetic Mn-Implanted 3C-SiC
Japanese Journal of Applied Physics, **47** (2008) 7113-7116
Gyong Sok Song, Masaki Kobayashi, Jong-Il Hwang, Takashi Kataoka, Yuta Sakamoto, Masaru Takizawa, Atsushi Fujimori, Takuo Ohkouchi, Yukiharu Takeda, Tetsuo Okane, Yuji Saitoh, Hiroshi Yamagami, Fumiyoshi Takano, Hiro Akinaga
- 14330
Electronic Structure of $Ga_{1-x}Cr_xN$ and Si-doping Effects Studied by Photoemission and X-ray Absorption Spectroscopy
Physical Review B, **78** (2008) 033304
Gyong Sok Song, Masaki Kobayashi, Jong-Il Hwang, Takashi Kataoka, Masaru Takizawa, Atsushi Fujimori, Takuo Ohkouchi, Yukiharu Takeda, Tetsuo Okane, Yuji Saitoh, Hiroshi Yamagami, Fan-Hsiu Chang, Longlife Lee, Hong-Ji Lin, Di-Jing Huang, Chien Te Chen, Shigeya Kimura, Masayuki Funakoshi, Shigehiko Hasegawa, Hajime Asahi
- BL24XU**
- 12392
Trimeric Structure and Conformational Equilibrium of M-ficolin Fibrinogen-like Domain
Journal of Synchrotron Radiation, **15** (2008) 243-245
Michikazu Tanio, Shin Kondo, Shigetoshi Sugio, Toshiyuki Kohno
- 12404
Creep Damage Evaluation of Ni-base Superalloys for Gas-Turbine by X-ray Diffraction Method
日本機械学会論文集A編 (Transactions of the Japan Society of Mechanical Engineers, Series A), **74** (2008) 308-314
Kenichiroh Igashira
- 12794
Crystallization and Preliminary Crystallographic Analysis of a Plant Type III Polyketide Synthase That Produces Benzalacetone
Acta Crystallographica Section F, **64** (2008) 304-306
Hiroyuki Morita, Michikazu Tanio, Shin Kondo, Ryohei Kato, Kiyofumi Wanibuchi, Hiroshi Noguchi, Shigetoshi Sugio, Ikuro Abe, Toshiyuki Kohno
- 13248
Optical Properties of $MoSi_2/Si$ Multilayer Laue Lens as Nanometer X-ray Focusing Device
Applied Physics Express, **1** (2008) 117003
Takahisa Koyama, Satoshi Ichimaru, Takuya Tsuji, Hidekazu Takano, Yasushi Kagoshima, Tadayuki Ohchi, Hisataka Takenaka
- BL32B2**
- 12283
Crystal Structure of Enoyl-Acyl Carrier Protein Reductase (FabK) from *Streptococcus pneumoniae* Reveals the Binding Mode of an Inhibitor
Protein Science, **17** (2008) 691-699
Jun Saito, Mototsugu Yamada, Takashi Watanabe, Maiko Iida,

Hideo Kitagawa, Sho Takahata, Tomohiro Ozawa, Yasuo Takeuchi, Fukuichi Ohsawa

12284

Crystallization and Preliminary Crystallographic Analysis of the Transpeptidase Domain of Penicillin-Binding Protein 2B from *Streptococcus pneumoniae*

Acta Crystallographica Section F, **64** (2008) 284-288

Mototsugu Yamada, Takashi Watanabe, Nobuyoshi Baba, Takako Miyara, Jun Saito, Yasuo Takeuchi

12490

Crystal Structures of Biapenem and Tebipenem Complexed with Penicillin-Binding Proteins 2X and 1A from *Streptococcus pneumoniae*

Antimicrobial Agents and Chemotherapy, **52** (2008) 2053-2060

Mototsugu Yamada, Takashi Watanabe, Nobuyoshi Baba, Yasuo Takeuchi, Fukuichi Ohsawa, Shuichi Gomi

12601

Solid-Liquid Equilibria in an L-Isoleucine + L-Norleucine + Water System

Journal of Chemical & Engineering Data, **53** (2008) 1338-1341

Toshimichi Kamei, Kazuhiro Hasegawa, Tatsuki Kashiwagi, Eiichiro Suzuki, Masaaki Yokota, Norihito Doki, Kenji Shimizu

13235

Mechanism of Mutual Incorporation of L-Isoleucine and Isomorphous Amino Acids in Batch Crystallization

Organic Process Research & Development, **12** (2008) 850-854

Toshimichi Kamei, Kazuhiro Hasegawa, Tatsuki Kashiwagi, Eiichiro Suzuki, Masaaki Yokota, Norihito Doki, Kenji Shimizu

13456

Solid Liquid Equilibria in an L-Isoleucine + L-Alanine + Water System

Journal of Chemical and Engineering Data, **53** (2008) 2801-2806

Toshimichi Kamei, Kazuhiro Hasegawa, Tatsuki Kashiwagi, Eiichiro Suzuki, Masaaki Yokota, Norihito Doki, Kenji Shimizu

BL44XU

11549

Novel Cation- π Interaction Revealed by Crystal Structure of Thermoalkalophilic Lipase

Proteins: Structure, Function, and Bioinformatics, **70** (2008) 592-598

Hiroyoshi Matsumura, Tsuyoshi Inoue, Takahiko Yamamoto,

Thean Chor Leow, Tadashi Mori, Abu Bakar Salleh, Yasushi Kai, Raja Noor Zaliha Raja Abd Rahman

11550

Crystal Structure of 5-methylthioribose 1-phosphate Isomerase Product Complex from *Bacillus Subtilis* : Implications for Catalytic Mechanism

Protein Science, **17** (2008) 126-135

Haruka Tamura, Tsuyoshi Inoue, Yohtaro Saito, Yasushi Kai, Hiroki Ashida, Akiho Yokota, Hiroyoshi Matsumura

11560

Structural Basis for the Decarboxylation of Orotidine 5'-monophosphate (OMP) by *Plasmodium falciparum* OMP Decarboxylase

The Journal of Biochemistry, **143** (2008) 69-78

Keiji Tokuoka, Yukiko Kusakari, Sudaratana R. Krungkrai, Hiroyoshi Matsumura, Yasushi Kai, Jerapan Krungkrai, Toshihiro Horii, Tsuyoshi Inoue

12279

Evaluation of the Functional Role of the Heme-6-propionate Side Chain in Cytochrome P450cam

Journal of the American Chemical Society, **130** (2008) 432-433

Katsuyoshi Harada, Keisuke Sakurai, Kenichiro Ikemura, Takashi Ogura, Shun Hirota, Hideo Shimada, Takashi Hayashi

12282

Crystal Structure of a Chaperone Complex that Contributes to the Assembly of Yeast 20S Proteasomes

Nature Structural and Molecular Biology, **15** (2008) 228-236

Hideki Yashiroda, Tsunehiro Mizushima, Kenta Okamoto, Tomie Kameyama, Hidemi Hayashi, Toshihiko Kihimoto, Shin-ichiro Niwa, Masanori Kasahara, Eiji Kurimoto, Eri Sakata, Kenji Takagi, Atsuo Suzuki, Yuko Hirano, Shigeo Murata, Koichi Kato, Takashi Yamane, Keiji Tanaka

12532

Crystal Structures of *Lymnaea stagnalis* AChBP in Complex with Neonicotinoid Insecticides Imidacloprid and Clothianidin

Invertebrate Neuroscience, **8** (2008) 71-81
Makoto Ihara, Toshihide Okajima, Atsuko Yamashita, Takuma Oda, Koichi Hirata, Hisashi Nishiwaki, Takako Morimoto, Miki Akamatsu, Yuji Ashikawa, Shun'ichi Kuroda, Ryosuke Mega, Seiki Kuramitsu, David B. Sattelle, Kazuhiko Matsuda

12782

Preparation, Crystallization and Preliminary X-ray Diffraction

Analysis of the DNA Binding Domain of the Ets Transcription Factor in Complex with Target DNA

Acta Crystallographica Section F, **64** (2008) 171-174

Yoshiaki Suwa, Teruya Nakamura, Sachiko Toma, Shinji Ikemizu, Hirofumi Kai, Yuriko Yamagata

12846

Structural Basis for Sorting Mechanism of p62 in Selective Autophagy

The Journal of Biological Chemistry, **283** (2008) 22847-22857

Yoshinobu Ichimura, Taichi Kumanomidou, Yu-Shin Sou, Tsunehiro Mizushima, Junji Ezaki, Takashi Ueno, Eiki Kominami, Takashi Yamane, Keiji Tanaka, Masaaki Komatsu

13286

Response Regulator YycF Essential for Bacterial Growth : X-ray Crystal Structure of the DNA-binding Domain and its PhoB-like DNA Recognition Motif

FEBS Letters, **582** (2008) 3434-3438

Toshihide Okajima, Akihiro Doi, Ario Okada, Yasuhiro Gotoh, Katsuyuki Tanizawa, Ryutaro Utsumi

13287

Further Insight into the Mechanism of Stereoselective Proton Abstraction by Bacterial Copper Amine Oxidase

Biochemistry, **47** (2008) 7726-7733

Masayasu Taki, Takeshi Murakawa, Takuya Nakamoto, Mayumi Uchida, Hideyuki Hayashi, Katsuyuki Tanizawa, Yukio Yamamoto, Toshihide Okajima

14059

A Pair of Circularly Permuted PDZ Domains Control RseP, the S2P Family Intramembrane Protease of *Escherichia coli*

The Journal of Biological Chemistry, **283** (2008) 35042-35052

Kenji Inaba, Mamoru Suzuki, Ken-ichi Maegawa, Koreaki Ito, Shuji Akiyama, Yoshinori Akiyama

14204

Structure of the Partially Unliganded met State of 400 kDa Hemoglobin: Insights into Ligand-induced Structural Changes of Giant Hemoglobins

Proteins : Structure, Function, and Bioinformatics, **73** (2008) 113-125

Nobutaka Numoto, Taro Nakagawa, Akiko Kita, Yuichi Sasayama, Yoshihiro Fukumori, Kunio Miki

14207

Structural Basis for the Heterotropic and Homotropic Interactions

of Invertebrate Giant Hemoglobin

Biochemistry, **47** (2008) 11231-11238

Nobutaka Numoto, Taro Nakagawa, Akiko Kita, Yuichi Sasayama, Yoshihiro Fukumori, Kunio Miki

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12102

Coherent and Incoherent Excitations of Electron-doped SrTiO₃

Physical Review Letters, **100** (2008) 056401

Yukiaki Ishida, Ritsuko Eguchi, Masaharu Matsunami, Kouji Horiba, Munetaka Taguchi, Ashish Chainani, Yasunori Senba, Haruhiko Ohashi, Hiromichi Ohta, Shik Shin

12170

Observation of Energy Gap in FeGa₃

Journal of the Physical Society of Japan, **77** (2008) 024705

Naohito Tsujii, Hitoshi Yamaoka, Masaharu Matsunami, Ritsuko Eguchi, Yukiaki Ishida, Yasunori Senba, Haruhiko Ohashi, Shik Shin, Takao Furubayashi, Hideki Abe, Hideaki Kitazawa

12364

Right Handed or Left Handed? Forbidden X-Ray Diffraction Reveals Chirality

Physical Review Letters, **100** (2008) 145502

Yoshikazu Tanaka, Tomoyuki Takeuchi, Stephen Lovesey, Kevin Knight, Ashish Chainani, Yasutaka Takata, Masaki Oura, Yasunori Senba, Haruhiko Ohashi, Shik Shin

12390

Electric Structure of Semiconducting CeFe₄P₁₂ : Strong Hybridization and Relevance of Single-Impurity Anderson Model

Physical Review B, **77** (2008) 165126

Masaharu Matsunami, Koji Horiba, Munetaka Taguchi, Kazuya Yamamoto, Ashish Chainani, Yasutaka Takata, Yasunori Senba, Haruhiko Ohashi, Makina Yabashi, Kenji Tamasaku, Yoshinori Nishino, Daigo Miwa, Tetsuya Ishikawa, Eiji Ikenaga, Keisuke Kobayashi, Hitoshi Sugawara, Hideyuki Sato, Hisatomo Harima, Shik Shin

12453

Resonant Enhancement of Photoemission Leading to the Ne⁺[2p²](¹D)3p ²P State across the [1s2p](³P)3p² ¹P Double-Excitation Resonance of Ne

Physical Review A, **77** (2008) 054702

Masaki Oura, Yasunori Senba, Haruhiko Ohashi

- 12467
Revisiting the Valence-Band and Core-Level Photoemission Spectra of NiO
Physical Review Letters, **100** (2008) 206401
Munetaka Taguchi, Masaharu Matsunami, Yukiaki Ishida, Ritsuko Eguchi, Ashish Chainani, Yasutaka Takata, Makina Yabashi, Kenji Tamasaku, Yoshinori Nishino, Tetsuya Ishikawa, Yasunori Senba, Haruhiko Ohashi, Shik Shin
- 12593
Temperature Dependence of the Exchange Stiffness in FePd(001) Thin Films: Deviation from the Empirical Law $A(T) \propto M^2_G$ at Intermediate Temperatures
Physical Review B, **77** (2008) 224425
Mattia Mulazzi, Ashish Chainani, Yasutaka Takata, Yoshikazu Tanaka, Yoshinori Nishino, Kenji Tamasaku, Tetsuya Ishikawa, Tomoyuki Takeuchi, Yukiaki Ishida, Yasunori Senba, Haruhiko Ohashi, Shik Shin
- 12775
High Resolution X-ray Emission Spectroscopy of Liquid Water: The Observation of Two Structural Motifs
Chemical Physics Letters, **460** (2008) 387-400
Takashi Tokushima, Yoshihisa Harada, Osamu Takahashi, Yasunori Senba, Haruhiko Ohashi, Lars. G. M. Pettersson, Anders Nilsson, Shik Shin
- 12781
Comparison of Recoil Effects in Graphite as Observed by Photoemission, Electron Scattering, and Neutron Scattering
Physical Review B, **78** (2008) 024301
Maaten Vos, Michael R. Went, Yosuke Kayanuma, Satoshi Tanaka, Yasutaka Takata, Jerry Mayers
- 12843
Electronic Structure of $\text{FeSi}_{1-x}\text{Ge}_x$ and FeGa_3 Investigated by Soft X-ray Photoelectron Spectroscopy Complementary to X-ray Emission Spectroscopy
Physical Review B, **78** (2008) 045125
Hitoshi Yamaoka, Masaharu Matsunami, Ritsuko Eguchi, Yukiaki Ishida, Naohito Tsujii, Yoshinori Takahashi, Yasunori Senba, Haruhiko Ohashi, Shik Shin
- 12863
Photoemission Evidence for a Mott-Hubbard Metal-Insular Transition in VO_2
Physical Review B, **78** (2008) 075115
Ritsuko Eguchi, Munetaka Taguchi, Masaharu Matsunami, Koji Horiba, Kazuya Yamamoto, Yukiaki Ishida, Ashish Chainani, Yasutaka Takata, Makina Yabashi, Daigo Miwa, Yoshinori Nishino, Kenji Tamasaku, Tetsuya Ishikawa, Yasunori Senba, Haruhiko Ohashi, Yuji Muraoka, Zenji Hiroi, Shik Shin
- 12958
Two-Dimensional Emission Patterns of Secondary Electrons from Graphene Layers Formed on SiC(0001)
Applied Surface Science, **254** (2008) 7596-7599
Hiroki Hibino, Hiroyuki Kageshima, FangZhun Guo, Fumihiko Maeda, Masato Kotsugi, Yoshio Watanabe
- 12994
Recoil Effect of Photoelectrons in the Fermi Edge of Simple Metals
Physical Review Letters, **101** (2008) 137601
Yasutaka Takata, Yosuke Kayanuma, Sohshi Oshima, Satoshi Tanaka, Makina Yabashi, Kenji Tamasaku, Yoshinori Nishino, Masaharu Matsunami, Ritsuko Eguchi, Ashish Chainani, Masaki Oura, Tomoyuki Takeuchi, Yasunori Senba, Haruhiko Ohashi, Shik Shin, Tetsuya Ishikawa
- 12997
Comment on "Isotope and Temperature Effects in Liquid Water Probed by X-ray Absorption and Resonant X-ray Emission Spectroscopy"
Physical Review Letters, **100** (2008) 249801
Lars G. M. Pettersson, Takashi Tokushima, Yoshihisa Harada, Shik Shin, Osamu Takahashi, Anders Nilsson
- 13382
Combining Photoemission and Optical Spectroscopies for Reliable Valence Determination in YbS and Yb Metal
Physical Review B, **78** (2008) 195118
Masaharu Matsunami, Ashish Chainani, Munetaka Taguchi, Ritsuko Eguchi, Yukiaki Ishida, Yasutaka Takata, Hidekazu Okamura, Takao Nanba, Makina Yabashi, Kenji Tamasaku, Yoshinori Nishino, Tetsuya Ishikawa, Yasunori Senba, Haruhiko Ohashi, Naohito Tsujii, Akira Ochiai, Shik Shin
- 13383
Low Power Density Multihole Cathode Very-High-Frequency Plasma for Mixed Phase Si :H Thin Films
Applied Physics Letters, **93** (2008) 191502
Chetan Jariwala, Ashish Chainani, Ritsuko Eguchi, Masaharu Matsunami, Shik Shin, Sudhir Bhatt, Vikram Dalal, Pucadyil Ittoop John

13458
Element Specific Spectroscopy to Observe Valence Electronic States of Liquids and Solutions: Soft X-ray Emission Studies at BL17SU Soft X-ray Beamline in SPring-8
日本物理学会誌 (Butsuri), **63** (2008) 852-857
Takashi Tokushima, Yoshihisa Harada, Shik Shin

13568
Mapping of Chemical Bonding States of Ag/Si(111) with Synchrotron Radiation Photo Emission Electron Microscopy Surface and Interface Analysis, **40** (2008) 1772-1776
Michihiro Hashimoto, FangZhun Guo, Masahiko Suzuki, Masato Ueda, Yosiaki Matuoka, Toyohiko Kinoshita, Keisuke Kobayashi, Shik Shin, Masaki Oura, Tomoyuki Takeuchi, Yuji Saitoh, Tomohiro Matsushita, Tsuneo Yasue, Takanori Koshikawa

13586
Anomalous Electronic Structure of Ionic Liquids Determined by Soft X-ray Emission Spectroscopy: Contributions from the Cations and Anions to the Occupied Electronic Structure
The Journal of Chemical Physics, **129** (2008) 224507
Kaname Kanai, Toshio Nishi, Takashi Iwahashi, Yukio Ouchi, Kazuhiko Seki, Yoshihisa Harada, Shik Shin

BL19LXU

11976
Electronic Structure of CeRu_2X_2 ($X = \text{Si, Ge}$) in the Paramagnetic Phase Studied by Soft X-ray ARPES and Hard X-ray Photoelectron Spectroscopy
Physical Review B, **77** (2008) 035118
Masao Yano, Akira Sekiyama, Hidenori Fujiwara, Yosuke Amano, Shin Imada, Takayuki Muro, Makina Yabashi, Kenji Tamasaku, Atsushi Higashiya, Tetsuya Ishikawa, Yoshichika Onuki, Shigemasa Suga

12662
Field-Induced Incommensurate Lattice Modulations in the Delafossite CuFeO_2
Journal of the Physical Society of Japan, **77** (2008) 054701
Noriki Terada, Setsuo Mitsuda, Yoshikazu Tanaka, Yoshikazu Tabata, Koichi Katsumata, Akiko Kikkawa

12663
Magnetization Process and the Associated Lattice Deformations in an Intermetallic Compound Gd_5Ge_3
Journal of the Physical Society of Japan, **77** (2008) 053711
Yasuo Narumi, Yoshikazu Tanaka, Noriki Terada, Martin

Rotter, Koichi Katsumata, Tomoya Fukui, Masahiro Iwaki, Koichi Kindo, Hidenori Toyokawa, Akira Tanaka, Takanori Tsutaoka, Tetsuya Ishikawa, Hideo Kitamura

14164
Band Jahn-Teller Instability and Formation of Valence Bond Solid in a Mixed-Valent Spinel Oxide LiRh_2O_4
Physical Review Letters, **101** (2008) 086404
Yoshihiko Okamoto, Seiji Niitaka, Masaya Uchida, Takeshi Waki, Masashi Takigawa, Yoshitaka Nakatsu, Akira Sekiyama, Shigemasa Suga, Ryotaro Arita, Hidenori Takagi

BL26B1

12079
Crystal Structure of the MarR Family Regulatory Protein, ST1710, from *Sulfolobus tokodaii* Strain 7
Journal of Structural Biology, **161** (2008) 9-17
Thirumananeri Kumarevel, Tomoyuki Tanaka, Megumi Nishio, Subash Gopinath, Koji Takio, Akeo Shinkai, Penmetcha Kumar, Shigeyuki Yokoyama

12106
Crystallization and Preliminary Crystallographic Studies of L30e, a Ribosomal Protein from *Methanocaldococcus jannaschii* (MJ1044)
Acta Crystallographica Section F, **64** (2008) 102-104
Sarani Rangarajan, Jeyakanthan Jeyaraman, Palappetty Mridula, Keiko Sakamoto, Yoshiaki Kitamura, Yoshihiro Agari, Akeo Shinkai, Akio Ebihara, Seiki Kuramitsu, Shigeyuki Yokoyama, Kanagaraj Sekar

12345
Crystallographic Studies on Multiple Conformational States of Active-Site Loops in Pyrrolysyl-tRNA Synthetase
Journal of Molecular Biology, **378** (2008) 634-652
Tatsuo Yanagisawa, Ryohei Ishii, Ryuya Fukunaga, Takatsugu Kobayashi, Kensaku Sakamoto, Shigeyuki Yokoyama

12371
Crystallization and Preliminary X-ray Crystallographic Analysis of Rabbit L-gulonate 3-dehydrogenase
Acta Crystallographica Section F, **64** (2008) 228-230
Yukuhiko Asada, Chizu Kuroishi, Yoko Ukita, Rie Sumii, Satoshi Endo, Toshiyuki Matsunaga, Akira Hara, Naoki Kunishima

12373
Structures of Dimeric Nonstandard Nucleotide Triphosphate

- Pyrophosphatase from *Pyrococcus horikoshii* OT3 : Functional Significance of Interprotomer Conformational Changes
Journal of Molecular Biology, **375** (2008) 1013-1025
Neratur K. Lokanath, Kudigana J. Pampa, Koji Takio, Naoki Kunishima
- 12553
Structure of Putative CutA1 from *Homo sapiens* Determined at 2.05 Å Resolution
Acta Crystallographica Section F, **64** (2008) 351-357
Bagautdin Bagautdinov, Yoshinori Matsuura, Svetlana Bagautdinova, Naoki Kunishima, Katsuhide Yutani
- 12570
Nucleant-mediated Protein Crystallization with the Application of Microporous Synthetic Zeolites
Acta Crystallographica Section D, **64** (2008) 686-695
Michihiro Sugahara, Yukuhiko Asada, Yuko Morikawa, Yuichi Kageyama, Naoki Kunishima
- 12774
Protein Biotinylation Visualized by a Complex Structure of Biotin Protein Ligase with a Substrate
The Journal of Biological Chemistry, **283** (2008) 14739-14750
Bagautdin Bagautdinov, Yoshinori Matsuura, Svetlana Bagautdinova, Naoki Kunishima
- 13230
X-ray Crystal Structure of a CRISPR-associated Protein, Cse2, from *Thermus thermophilus* HB8
Proteins: Structure, Function, and Bioinformatics, **73** (2008) 1063-1067
Yoshihiro Agari, Shigeyuki Yokoyama, Seiki Kuramitsu, Akeo Shinkai
- 13234
Structures of Two Archaeal Diphthine Synthases: Insights into the Post-Translational Modification of Elongation Factor 2
Acta Crystallographica Section D, **64** (2008) 397-406
Seiichiro Kishishita, Katsumi Shimizu, Kazutaka Murayama, Takaho Terada, Mikako Shirouzu, Shigeyuki Yokoyama, Naoki Kunishima
- 13253
Crystal Structures of Fission Yeast Histone Chaperone Asf1 Complexed with the Hip1 B-domain or the Cac2 C Terminus
The Journal of Biological Chemistry, **283** (2008) 14022-14031
Ali Malay, Takashi Umehara, Kazuko Matsubara-Malay, Balasundaram Padmanabhan, Shigeyuki Yokoyama
- 13255
Crystal Structure of an Archaeal Specific DNA-binding Protein (Ape10b2) from *Aeropyrum pernix* K1
Proteins : Structure, Function, and Bioinformatics, **71** (2008) 1156-1162
Thirumananseri Kumarevel, Keiko Sakamoto, Subash Gopinath, Akeo Shinkai, Penmetcha Kumar, Shigeyuki Yokoyama
- 13306
Crystal Structure of Glucose-6-Phosphate Isomerase from *Thermus thermophilus* HB8 Showing a Snapshot of Active Dimeric State
Journal of Molecular Biology, **382** (2008) 747-762
Hitoshi Yamamoto, Hiroshi Miwa, Naoki Kunishima
- 13309
Structure of a Haloacid Dehalogenase Superfamily Phosphatase PH1421 from *Pyrococcus horikoshii* OT3 : Oligomeric State and Thermoadaptation Mechanism
Acta Crystallographica Section D, **64** (2008) 1068-1077
Hitoshi Yamamoto, Koji Takio, Mitsuaki Sugahara, Naoki Kunishima
- 13312
Systematic Study on Crystal-Contact Engineering of Diphthine Synthase: Influence of Mutations at Crystal-Packing Regions on X-ray Diffraction Quality
Acta Crystallographica Section D, **64** (2008) 1020-1033
Hisashi Mizutani, K. Saraboji, M. S. Malathy Sony, N. M. Ponnuswamy, Kumarevel Thirumananseri, S. B. Krishna Swamy, K. D. Simanshu, Mathur Murthy, Naoki Kunishima
- 13641
Ion Binding and Selectivity of the Rotor Ring of the Na⁺-Transporting V-ATPase
Proceedings of the National Academy of Sciences of the United States of America, **105** (2008) 8607-8612
Takeshi Murata, Ichiro Yamato, Yoshimi Kakinuma, Mikako Shirouzu, John Walker, Shigeyuki Yokoyama, So Iwata
- 13718
High-throughput Crystallization-to-Structure Pipeline at RIKEN SPRing-8 Center
Journal of Structural and Functional Genomics, **9** (2008) 21-28
Michihiro Sugahara, Yukuhiko Asada, Katsumi Shimizu, Hitoshi Yamamoto, Neratur K. Lokanath, Hisashi Mizutani,

- Bagautdin Bagautdinov, Yoshinori Matsuura, Midori Taketa, Yuichi Kageyama, Naoko Ono, Yuko Morikawa, Yukiko Tanaka, Hiroki Shimada, Takanobu Nakamoto, Mitsuki Sugahara, Masaki Yamamoto, Naoki Kunishima
- 13720
Insights into Anti-Termination Regulation of the *hut* Operon in *Bacillus subtilis* : Importance of the Dual RNA-binding Surfaces of HutP
Nucleic Acids Research, **36** (2008) 3463-3473
Subash Gopinath, Dhakshnamoorthy Balasundaresan, Kumarevel Thirumananseri, Tomoko Misono, Hiroshi Mizuno, Penmetcha Kumar
- 13820
Crystal Structure of an Active Form of BACE1, an Enzyme Responsible for Amyloid β Protein Production
Molecular and Cellular Biology, **28** (2008) 3663-3671
Hideaki Shimizu, Asako Tosaki, Kumi Kaneko, Tamao Hisano, Takashi Sakurai, Nobuyuki Nukina
- 13933
Observation of a Calcium-Binding Site in the γ -class Carbonic Anhydrase from *Pyrococcus horikoshii*
Acta Crystallographica Section D, **64** (2008) 1012-1019
Jeyaraman Jeyakanthan, Sarani Rangarajan, P. Mridula, Shankar Prasad Kanaujia, Yoshitsugu Shiro, Seiki Kuramitsu, Shigeyuki Yokoyama, Kanagaraj Sekar
- 14204
Structure of the Partially Unliganded met State of 400 kDa Hemoglobin: Insights into Ligand-induced Structural Changes of Giant Hemoglobins
Proteins: Structure, Function, and Bioinformatics, **73** (2008) 113-125
Nobutaka Numoto, Taro Nakagawa, Akiko Kita, Yuichi Sasayama, Yoshihiro Fukumori, Kunio Miki
- BL26B2**
- 12084
X-ray Crystal Structure of a Hypothetical Sua5 Protein from *Sulfolobus tokodaii* Strain 7
Proteins : Structure, Function, and Bioinformatics, **70** (2008) 1108-1111
Yoshihiro Agari, Shinya Sato, Taisuke Wakamatsu, Yoshitaka Bessho, Akio Ebihara, Shigeyuki Yokoyama, Seiki Kuramitsu, Akeo Shinkai
- 12107
Structural Basis for Different Substrate Specificities of Two ADP-Ribose Pyrophosphatases from *Thermus thermophilus* HB8
Journal of Bacteriology, **190** (2008) 1108-1117
Taisuke Wakamatsu, Noriko Nakagawa, Seiki Kuramitsu, Ryoji Masui
- 12108
Crystal Structure of the YdjC-family Protein TTHB029 from *Thermus thermophilus* HB8 : Structural Relationship with Peptidoglycan *N*-acetylglucosamine Deacetylase
Biochemical and Biophysical Research Communications, **367** (2008) 535-541
Takahito Imagawa, Hitoshi Iino, Mayumi Kanagawa, Akio Ebihara, Seiki Kuramitsu, Hideaki Tsuge
- 12388
Structure of Peptidyl-tRNA Hydrolase 2 from *Pyrococcus horikoshii* OT3 : Insight into the Functional Role of Its Dimeric State
Acta Crystallographica Section D, **64** (2008) 444-453
Katsumi Shimizu, Chizu Kuroishi, Mitsuaki Sugahara, Naoki Kunishima
- 12424
Crystal Structure of Uncharacterized Protein TTHA1756 from *Thermus thermophilus* HB8 : Structural Variety in UPF0150 Family Proteins
Proteins : Structure, Function, and Bioinformatics, **71** (2008) 2097-2101
Akio Ebihara, Miho Manzoku, Hitoshi Iino, Mayumi Kanagawa, Akeo Shinkai, Shigeyuki Yokoyama, Seiki Kuramitsu
- 12973
Global Gene Expression Mediated by *Thermus thermophilus* SdrP, a CRP/FNR Family Transcriptional Regulator
Molecular Microbiology, **70** (2008) 60-75
Yoshihiro Agari, Aiko Kashihara, Shigeyuki Yokoyama, Seiki Kuramitsu, Akeo Shinkai
- 13067
Mail-in Date Collection at SPring-8 Protein Crystallography Beamlines
Journal of Synchrotron Radiation, **15** (2008) 288-291
Nobuo Okazaki, Kazuya Hasegawa, Go Ueno, Hironori Murakami, Takashi Kumasaka, Masaki Yamamoto

- 13264
Crystal Structure of MutS2 Endonuclease Domain and the Mechanism of Homologous Recombination Suppression
The Journal of Biological Chemistry, **283** (2008) 33417-33427
Kenji Fukui, Noriko Nakagawa, Yoshiaki Kitamura, Yuya Nishida, Ryoji Masui, Seiki Kuramitsu
- 13304
Crystallization and Preliminary X-ray Diffraction Studies of the Prototypal Homologue of mitoNEET (*Tth*-NEET0026) from the Extreme Thermophile *Thermus thermophilus* HB8
Acta Crystallographica Section F, **64** (2008) 1146-1148
Asako Kounosu, Toshio Iwasaki, Seiki Baba, Yoko Hayashi-Iwasaki, Tairo Oshima, Takashi Kumasaka
- 13642
Structural and Functional Analyses of the DMC1-M200V Polymorphism Found in the Human Population
Nucleic Acids Research, **36** (2008) 4181-4190
Juri Hikiba, Kouji Hirota, Wataru Kagawa, Shukuko Ikawa, Takashi Kinebuchi, Isao Sakane, Yoshimasa Takizawa, Shigeyuki Yokoyama, Béatrice Mandon-Pépin, Alain Nicolas, Takehiko Shibata, Kunihiko Ohta, Hitoshi Kurumizaka
- 13706
Crystal Structure of TTHA1429, a Novel Metallo- β -lactamase Superfamily Protein from *Thermus thermophilus* HB8
Proteins : Structure, Function, and Bioinformatics, **73** (2008) 1053-1057
Akihiro Yamamura, Jun Ohtsuka, Keiko Kubota, Yoshihiro Agari, Akio Ebihara, Noriko Nakagawa, Koji Nagata, Masaru Tanokura
- 13791
Crystal Structure of the GAF-B Domain from Human Phosphodiesterase 10A Complexed with its Ligand, cAMP
The Journal of Biological Chemistry, **283** (2008) 19657-19664
Noriko Handa, Eiichi Mizohata, Seiichiro Kishishita, Mitsutoshi Toyama, Satoshi Morita, Tomomi Uchikubo-Kamo, Ryogo Akasaka, Kenji Omori, Jun Kotera, Takaho Terada, Mikako Shirouzu, Shigeyuki Yokoyama
- 13794
Crystal Structure of the Human Receptor Activity-Modifying Protein 1 Extracellular Domain
Protein Science, **17** (2008) 1907-1914
Seisuke Kusano, Mutsuko Kukimoto-Niino, Ryogo Akasaka, Mitsutoshi Toyama, Takaho Terada, Mikako Shirouzu, Takayuki Shindo, Shigeyuki Yokoyama
- 13796
Crystal Structure of tRNA N^2, N^2 -guanosine Dimethyltransferase Trm1 from *Pyrococcus horikoshii*
Journal of Molecular Biology, **383** (2008) 871-884
Ihsanawati, Madoka Nishimoto, Kyoko Higashijima, Mikako Shirouzu, Henri Grosjean, Yoshitaka Bessho, Shigeyuki Yokoyama
- 13802
Crystal Structure of Glutamine Receptor Protein from *Sulfolobus tokodaii* Strain 7 in Complex with its Effector L-glutamine : Implications of Effector Binding in Molecular Association and DNA Binding
Nucleic Acids Research, **36** (2008) 4808-4820
Thirumananeri Kumarevel, Noboru Nakano, Karthe Ponnuraj, Subash Gopinath, Keiko Sakamoto, Akeo Shinkai, Penmetcha Kumar, Shigeyuki Yokoyama
- 13820
Crystal Structure of an Active Form of BACE1, an Enzyme Responsible for Amyloid β Protein Production
Molecular and Cellular Biology, **28** (2008) 3663-3671
Hideaki Shimizu, Asako Tosaki, Kumi Kaneko, Tamao Hisano, Takashi Sakurai, Nobuyuki Nukina
- 13932
Crystal Structure of ST2348, a CBS Domain Protein, from Hyperthermophilic Archaeon *Sulfolobus tokodaii*
Biochemical and Biophysical Research Communications, **375** (2008) 124-128
Preethi Rangunathan, Thirumananeri Kumarevel, Yoshihiro Agari, Akeo Shinkai, Seiki Kuramitsu, Shigeyuki Yokoyama, Karthe Ponnuraj
- 14036
Crystal Structure of TTHA0303 (TT2238), a Four-Helix Bundle Protein with an Exposed Histidine Triad from *Thermus thermophilus* HB8 at 2.0Å
Proteins : Structure, Function, and Bioinformatics, **70** (2008) 1103-1107
Koji Nagata, Jun Ohtsuka, Mihoko Takahashi, Atsuko Asano, Hitoshi Iino, Akio Ebihara, Masaru Tanokura
- BL29XU**
- 12014
Hard X-ray Photoemission Study of LaAlO₃/LaVO₃ Multilayers
Physical Review B, **77** (2008) 045122

- Hiroki Wadachi, Yasushi Hotta, Atsushi Fujimori, Tomofumi Sasaki, Harold Hwang, Yasutaka Takata, Kouji Horiba, Masaharu Matsunami, Shik Shin, Makina Yabashi, Kenji Tamasaku, Yoshinori Nishino, Tetsuya Ishikawa
- 12390
Electric Structure of Semiconducting $\text{CeFe}_4\text{P}_{12}$: Strong Hybridization and Relevance of Single-Impurity Anderson Model
Physical Review B, **77** (2008) 165126
Masaharu Matsunami, Koji Horiba, Munetaka Taguchi, Kazuya Yamamoto, Ashish Chainani, Yasutaka Takata, Yasunori Senba, Haruhiko Ohashi, Makina Yabashi, Kenji Tamasaku, Yoshinori Nishino, Daigo Miwa, Tetsuya Ishikawa, Eiji Ikenaga, Keisuke Kobayashi, Hitoshi Sugawara, Hideyuki Sato, Hisatomo Harima, Shik Shin
- 12467
Revisiting the Valence-Band and Core-Level Photoemission Spectra of NiO
Physical Review Letters, **100** (2008) 206401
Munetaka Taguchi, Masaharu Matsunami, Yukiaki Ishida, Ritsuko Eguchi, Ashish Chainani, Yasutaka Takata, Makina Yabashi, Kenji Tamasaku, Yoshinori Nishino, Tetsuya Ishikawa, Yasunori Senba, Haruhiko Ohashi, Shik Shin
- 12478
Nanoscale Imaging of Mineral Crystals inside Biological Composite Materials using X-ray Diffraction Microscopy
Physical Review Letters, **100** (2008) 038103
Huaidong Jiang, Bagret Amirbekian, Yoshiki Kohmura, Yoshinori Nishino, Yukio Takahashi, Tetsuya Ishikawa, Changyong Song, Ramunno-Johnson Damien, Jianwei Miao
- 12593
Temperature Dependence of the Exchange Stiffness in FePd(001) Thin Films: Deviation from the Empirical Law $A(T) \propto M_s^2$ at Intermediate Temperatures
Physical Review B, **77** (2008) 224425
Mattia Mulazzi, Ashish Chainani, Yasutaka Takata, Yoshikazu Tanaka, Yoshinori Nishino, Kenji Tamasaku, Tetsuya Ishikawa, Tomoyuki Takeuchi, Yukiaki Ishida, Yasunori Senba, Haruhiko Ohashi, Shik Shin
- 12638
Itinerant Ferromagnetism in the Layered Crystals LaCoOX ($X=\text{P,As}$)
Physical Review B, **77** (2008) 224431
Hiroshi Yanagi, Ryuto Kawamura, Toshio Kamiya, Yoichi Kamihara, Hirano Masahiro, Tetsuya Nakamura, Hitoshi Osawa, Hideo Hosono
- 12781
Comparison of Recoil Effects in Graphite as Observed by Photoemission, Electron Scattering, and Neutron Scattering
Physical Review B, **78** (2008) 024301
Maaten Vos, Michael R. Went, Yosuke Kayanuma, Satoshi Tanaka, Yasutaka Takata, Jerry Mayers
- 12863
Photoemission Evidence for a Mott-Hubbard Metal-Insular Transition in VO_2
Physical Review B, **78** (2008) 075115
Ritsuko Eguchi, Munetaka Taguchi, Masaharu Matsunami, Koji Horiba, Kazuya Yamamoto, Yukiaki Ishida, Ashish Chainani, Yasutaka Takata, Makina Yabashi, Daigo Miwa, Yoshinori Nishino, Kenji Tamasaku, Tetsuya Ishikawa, Yasunori Senba, Haruhiko Ohashi, Yuji Muraoka, Zenji Hiroi, Shik Shin
- 12994
Recoil Effect of Photoelectrons in the Fermi Edge of Simple Metals
Physical Review Letters, **101** (2008) 137601
Yasutaka Takata, Yosuke Kayanuma, Sohshi Oshima, Satoshi Tanaka, Makina Yabashi, Kenji Tamasaku, Yoshinori Nishino, Masaharu Matsunami, Ritsuko Eguchi, Ashish Chainani, Masaki Oura, Tomoyuki Takeuchi, Yasunori Senba, Haruhiko Ohashi, Shik Shin, Tetsuya Ishikawa
- 13057
Quantitative Imaging of Single, Unstained Viruses with Coherent X Rays
Physical Review Letters, **101** (2008) 158101
Changyong Song, Huaidong Jiang, Adrian Mancuso, Bagret Amirbekian, Li Peng, Ren Sun, Sanket S. Shah, Z. Hong Zhou, Tetsuya Ishikawa, Jianwei Miao
- 13382
Combining Photoemission and Optical Spectroscopies for Reliable Valence Determination in YbS and Yb Metal
Physical Review B, **78** (2008) 195118
Masaharu Matsunami, Ashish Chainani, Munetaka Taguchi, Ritsuko Eguchi, Yukiaki Ishida, Yasutaka Takata, Hidekazu Okamura, Takao Nanba, Makina Yabashi, Kenji Tamasaku, Yoshinori Nishino, Tetsuya Ishikawa, Yasunori Senba, Haruhiko Ohashi, Naohito Tsujii, Akira Ochiai, Shik Shin

13969

Element-specific Hard X-ray Diffraction Microscopy
Physical Review B, **78** (2008) 092105

Yukio Takahashi, Hideto Kubo, Hayato Furukawa, Kazuto Yamauchi, Ei-ichiro Matsubara, Tetsuya Ishikawa, Yoshinori Nishino

13970

Coherent X-ray Diffraction Measurements of Cu Thin Lines
Surface and Interface Analysis, **40** (2008) 1046-1049

Yukio Takahashi, Hayato Furukawa, Hideto Kubo, Kazuto Yamauchi, Yoshinori Nishino, Tetsuya Ishikawa, Ei-ichiro Matsubara

BL44B2

12107

Structural Basis for Different Substrate Specificities of Two ADP-Ribose Pyrophosphatases from *Thermus thermophilus* HB8
Journal of Bacteriology, **190** (2008) 1108-1117

Taisuke Wakamatsu, Noriko Nakagawa, Seiki Kuramitsu, Ryoji Masui

12129

Molecular Design of Heteroprotein Assemblies Providing a Bionanocup as a Chemical Reactor

Small, **4** (2008) 50-54

Tomomi Koshiyama, Norihiko Yokoi, Takafumi Ueno, Shuji Kanamaru, Shingo Nagano, Yoshitsugu Shiro, Fumio Arisaka, Yoshihito Watanabe

12393

Crystal Structure of CYP105A1 (P450SU-1) in Complex with 1, 25-Dihydroxyvitamin D₃

Biochemistry, **47** (2008) 4017-4027

Hiroshi Sugimoto, Raku Shinkyo, Keiko Hayashi, Sachiyo Yoneda, Masato Yamada, Masaki Kamakura, Shin-ichi Ikushiro, Yoshitsugu Shiro, Toshiyuki Sakaki

12532

Crystal Structures of *Lymnaea stagnalis* AChBP in Complex with Neonicotinoid Insecticides Imidacloprid and Clothianidin
Invertebrate Neuroscience, **8** (2008) 71-81

Makoto Ihara, Toshihide Okajima, Atsuko Yamashita, Takuma Oda, Koichi Hirata, Hisashi Nishiwaki, Takako Morimoto, Miki Akamatsu, Yuji Ashikawa, Shun'ichi Kuroda, Ryosuke Mega, Seiki Kuramitsu, David B. Sattelle, Kazuhiko Matsuda

12543

Structure and Molecular Dynamics Simulation of Archaeal Prefoldin : The Molecular Mechanism for Binding and Recognition of Nonnative Substrate Proteins

Journal of Molecular Biology, **376** (2008) 1130-1141

Akashi Ohtaki, Hiroshi Kida, Yusuke Miyata, Naoki Ide, Akihiro Yonezawa, Takatoshi Arakawa, Ryo Iizuka, Keiichi Noguchi, Akiko Kita, Masafumi Odaka, Kunio Miki, Masafumi Yohda

12546

Crystal Structure of the [2Fe-2S] Oxidative-Stress Sensor SoxR Bound to DNA

Proceedings of the National Academy of Sciences of the United States of America, **105** (2008) 4121-4126

Satoshi Watanabe, Akiko Kita, Kazuo Kobayashi, Kunio Miki

12547

Crystal Structure of *N*-Acylamino Acid Racemase from *Thermus thermophilus* HB8

Proteins : Structure, Function, and Bioinformatics, **71** (2008) 519-523

Minoru Hayashida, Seong Kim, Kazuki Takeda, Tamao Hisano, Kunio Miki

12770

Structural Bases for the Specific Interactions between the E2 and E3 Components of the *Thermus thermophilus* 2-oxo Acid Dehydrogenase Complexes

The Journal of Biochemistry, **143** (2008) 747-758

Tadashi Nakai, Seiki Kuramitsu, Nobuo Kamiya

12860

Crystal Structure of a Putative DNA Methylase TTHA0409 from *Thermus thermophilus* HB8

Proteins : Structure, Function, and Bioinformatics, **73** (2008) 259-264

Rihito Morita, Hirohito Ishikawa, Noriko Nakagawa, Seiki Kuramitsu, Ryoji Masui

13143

Crystallization and Preliminary Diffraction Studies of Prostaglandin E₂-specific Monoclonal Antibody Fab Fragment in the Ligand Complex

Acta Crystallographica Section F, **64** (2008) 1027-1030

Yuko Kurahashi, Mitsuki Sugahara, Hideo Ago, Sae Aoyama, Naoko Takahashi, Koji Takio, Michiko Katsukawa, Shozo Yamamoto, Masashi Miyano

- 13825
Crystal Structure of *N*-acylamino Acid Racemase from *Thermus thermophilus* HB8
Proteins : Structure, Function, and Bioinformatics, **71** (2008) 519-523
Minoru Hayashida, Seong-Hoon Kim, Kazuki Takeda, Tamao Hisano, Kunio Miki
- 13930
Crystallization and Preliminary X-ray Crystallographic Analysis of Full-Length Yeast Tropomyosin 2 from *Saccharomyces cerevisiae*
Acta Crystallographica Section F, **64** (2008) 528-530
Vladimir Meshcheryakov, Yasushi Nitani, Robin Maytum, Michael Geeves, Yuichiro Maeda
- 13931
Two-Crystal Structures of Tropomyosin C-Terminal Fragment 176-273 : Exposure of the Hydrophobic Core to the Solvent Destabilizes the Tropomyosin Molecule
Biophysical Journal, **95** (2008) 710-719
Shiho Minakata, Kayo Maeda, Naoko Oda, Katsuzo Wakabayashi, Yasushi Nitani, Yuichiro Maeda
- 14202
Opening and Closing of the Hydrophobic Cavity of LolA Coupled to the Lipoprotein Binding and Release
The Journal of Biological Chemistry, **283** (2008) 25414-25420
Yuki Oguchi, Kazuki Takeda, Shoji Watanabe, Naoko Yokota, Kunio Miki, Hajime Tokuda
- BL45XU**
- 12073
Crystal Structures of the Flavin Reductase Component (HpaC) of 4-Hydroxyphenylacetate 3-Monooxygenase from *Thermus thermophilus* HB8 : Structural Basis for the Flavin Affinity
Proteins : Structure, Function, and Bioinformatics, **70** (2008) 718-730
Seong Kim, Tamao Hisano, Wakana Iwasaki, Akio Ebihara, Kunio Miki
- 12206
Application of Maximum-Entropy Maps in the Accurate Refinement of a Putative Acylphosphatase using 1.3Å X-ray Diffraction Data
Acta Crystallographica Section D, **64** (2008) 237-247
Eiji Nishibori, Takahiro Nakamura, Masanori Arimoto, Shinobu Aoyagi, Hideo Ago, Masashi Miyano, Toshikazu Ebisuzaki, Makoto Sakata
- 12526
Differences in Internal Dynamics of Actin under Different Structural States Detected by Neutron Scattering
Biophysical Journal, **94** (2008) 4880-4889
Satoru Fujiwara, Marie Plazanet, Fumiko Matsumoto, Toshiro Oda
- 12547
Crystal Structure of *N*-Acylamino Acid Racemase from *Thermus thermophilus* HB8
Proteins: Structure, Function, and Bioinformatics, **71** (2008) 519-523
Minoru Hayashida, Seong Kim, Kazuki Takeda, Tamao Hisano, Kunio Miki
- 12773
Thermally Changing Lattice Distance of Lamella in the Hydrated Solid of Octadecyltrimethylammonium Chloride
The Journal of Physical Chemistry B, **112** (2008) 8586-8590
Shigeo Sasaki
- 12801
On the Ability of 8-bromoadenosine Triphosphate to Support Contractility of Vertebrate Skeletal Muscle Fibers
Journal of Muscle Research and Cell Motility, **29** (2008) 45-55
Hiroyuki Iwamoto
- 12839
Crystal Structure of Squid Rhodopsin with Intracellularly Extended Cytoplasmic Region
The Journal of Biological Chemistry, **283** (2008) 17753-17756
Tatsuro Shimamura, Kenji Hiraki, Naoko Takahashi, Tetsuya Hori, Hideo Ago, Katsuyoshi Masuda, Koji Takio, Masaji Ishiguro, Masashi Miyano
- 12859
Interaction and Stoichiometry of the Peripheral Stalk Subunits NtpE and NtpF and the N-terminal Hydrophilic Domain of NtpI of *Enterococcus hirae* V-ATPase
The Journal of Biological Chemistry, **283** (2008) 19422-19431
Misaki Yamamoto, Satoru Unzai, Shinya Saijo, Kazuki Ito, Kenji Mizutani, Chiyo Suno-Ikeda, Yukako Yabuki-Miyata, Takaho Terada, Mitsutoshi Toyama, Mikako Shirouzu, Takuya Kobayashi, Yoshimi Kakinuma, Ichiro Yamato, Shigeyuki Yokoyama, So Iwata, Takeshi Murata

12874

Structural Basis of Proteolytic Activation of L-Phenylalanine Oxidase from *Pseudomonas* sp.P-501

The Journal of Biological Chemistry, **283** (2008) 16584-16590

Koh Ida, Masashi Kurabayashi, Masaya Suguro, Yuhta Hiruma, Takaaki Hikima, Masaki Yamamoto, Haruo Suzuki

12905

Stereocomplex Formation through Reorganization of Poly(L-lactic acid) and Poly(D-lactic acid) Crystals

Macromolecules, **41** (2008) 2852-2858

Masahiro Fujita, Tomoharu Sawayanagi, Hiroki Abe, Tomohisa Tanaka, Tadahisa Iwata, Kazuki Ito, Tetsuro Fujisawa, Mizuo Maeda

13089

Stability of the F_{ddd} Phase in Diblock Copolymer Melts

Macromolecules, **41** (2008) 7667-7670

Myung-Im Kim, Tsutomu Wakada, Satoshi Akasaka, Shotaro Nishitsuji, Kenji Saijo, Hirokazu Hasegawa, Kazuki Ito, Mikihito Takenaka

13578

A Pair of Circularly Permutated PDZ Domains Control RseP, the S2P Family Intramembrane Protease of *Escherichia coli*

The Journal of Biological Chemistry, **283** (2008) 35042-35052

Kenji Inaba, Mamoru Suzuki, Ken-ichi Maegawa, Shuji Akiyama, Koreaki Ito, Yoshinori Akiyama

13825

Crystal Structure of *N*-acylamino Acid Racemase from *Thermus thermophilus* HB8

Proteins : Structure, Function, and Bioinformatics, **71** (2008) 519-523

Minoru Hayashida, Seong-Hoon Kim, Kazuki Takeda, Tamao Hisano, Kunio Miki

14002

Assembly and Disassembly Dynamics of the Cyanobacterial Periodosome

Molecular Cell, **29** (2008) 703-716

Shuji Akiyama, Atsushi Nohara, Kazuki Ito, Yuichiro Maeda

14207

Structural Basis for the Heterotropic and Homotropic Interactions of Invertebrate Giant Hemoglobin

Biochemistry, **47** (2008) 11231-11238

Nobutaka Numoto, Taro Nakagawa, Akiko Kita, Yuichi

Sasayama, Yoshihiro Fukumori, Kunio Miki

Control

13067

Mail-in Date Collection at SPring-8 Protein Crystallography Beamlines

Journal of Synchrotron Radiation, **15** (2008) 288-291

Nobuo Okazaki, Kazuya Hasegawa, Go Ueno, Hironori Murakami, Takashi Kumasaka, Masaki Yamamoto

Front End

11996

Quantitative Estimation of Thermal Contact Conductance of a Real Front-end Component at SPring-8 Front-ends

Journal of Synchrotron Radiation, **15** (2008) 1-7

Mutsumi Sano, Sunao Takahashi, Tetsuro Mochizuki, Atsuo Watanabe, Masaki Oura, Hideo Kitamura

12280

Fatigue Life Prediction for High-Heat-Load Components Made of GlidCop by Elastic-Plastic Analysis

Journal of Synchrotron Radiation, **15** (2008) 144-150

Sunao Takahashi, Mutsumi Sano, Tetsuro Mochizuki, Atsuo Watanabe, Hideo Kitamura

Optics

13596

Cost-effective Upgrade of a Focusing System for Inelastic X-ray Scattering Experiments under High Pressure

Journal of Synchrotron Radiation, **15** (2008) 50-54

Chi-Yi Huang, Yong Cai, Nozomu Hiraoka, Cheng-Chi Chen, Shih-Chun Chung, Yen-Fang Song, King-Long Tsang

Theory

12467

Revisiting the Valence-Band and Core-Level Photoemission Spectra of NiO

Physical Review Letters, **100** (2008) 206401

Munetaka Taguchi, Masaharu Matsunami, Yukiaki Ishida, Ritsuko Eguchi, Ashish Chainani, Yasutaka Takata, Makina Yabashi, Kenji Tamasaku, Yoshinori Nishino, Tetsuya Ishikawa, Yasunori Senba, Haruhiko Ohashi, Shik Shin

12592

Theory of Diffraction from Eukaryotic Flagellar Axonemes

Cell Motility and the Cytoskeleton, **65** (2008) 563-571

Hiroyuki Iwamoto