

利用者実験リスト

SPring-8 の放射光共同利用研究は1997年10月に開始された。その後、毎年2回共同利用研究課題が募集され実験が行われている。この年報には第7回2001A（2001年1月から6月まで）と第8回2001B（2001年7月から12月まで）に実施された共同利用研究課題の表題が纏められている。このリストの内容は、実験後60日以内に利用実験者から SPring-8 に寄せられた短い報告書である。これは既に発行された『SPring-8 User Experiment Report』（英文）とインターネットのホームページ

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目 次

共用ビームライン（共同利用）

BL01B1

First Author

Structural Analysis of Alkaline-Ion-Doped La-Mg Binary Oxide Catalysts by Means of La K-edge XAFS for Characterization of Highly Active OCM Species	ARITANI , Hirofumi
XAFS study of Sn in PrSn/carbon catalysts . Effect of the carbon support on the state and structure of tin species	AMOROS , Diego C .
Structural Analysis of GaInN Single Quantum Well using X-ray Absorption Fine Structure	MIYAJIMA , Takao
Investigation of local structure of Re active site of Re/ γ -Fe ₂ O ₃ catalysts by Re-K edge EXAFS	NAKAGAWA , Fusao
Investigation of local structure of Re active site of Re/HZSM-5 catalysts by Re-K edge EXAFS	NAGABHATLA , V .
Polarization Dependence of the Local Structure of Crystal Thin Film of Alkali Halides	MURATA , Takatoshi
Nuclear Spin-Isomer Transitions Excited by Synchrotron Radiation for the Case of the 31Year Level of ¹⁷⁸ Hf ^{m2}	COLLINS , Carl
An XAFS Study on Room-temperature Reduction of Cerium Oxide Modified with Palladium	MATSUMURA , Yasuyuki
XAFS Measurements of Rare-Earth K-Edges in CeO ₂ -Sm ₂ O ₃ Binary System	NAKAGAWA , Takashi
Analysis of the structure of Co-Mo/NaY sulfide catalysts under reaction conditions by means of XAFS	KUBOTA , Takeshi
XANES-Analysis of Chromium Oxidation Number in Cement	TAKAHASHI , Toshiyuki
Determination of Local Structure for Ag Clusters on Si by Total Conversion Electron Yield XAFS	SUZUKI , Yushi
Structural Analysis of Superior Bioactive Apatite Compounds by XAFS Spectroscopy	NAKAHIRA , Atsushi
Fluorescence XAFS study on deca-nm insulator thin film obtained by cluster ion beam techniques	KAGEYAMA , Hiroyuki

Ti K-edge XAFS measurements by a conversion electron yield method of nickel ion-doped titanium dioxide thin film coating glass substrate	SAKAGUCHI , Nahomi
Structural analysis of fine metal and alloy particles created in pore of inorganic porous materials by XAFS	SHISHIDO , Tetsuya
XAFS studies on local structure of Ag or Au doped catalysts	ICHIHASHI , Yuichi
XAFS Study of Barium Compound in NOx Storage-Reduction Catalyst	IMAGAWA , Haruo
Local Crystal Structure of Super Ionic Conductors by EXAFS	ARACHI , Yoshinori
XAFS Studies on the Titanium Oxide Thin Film Photocatalysts Including Metal Ions Prepared by Magnetron Sputtering Method Which Is Capable of Operating under Visible Light Irradiation	ANPO , Masakazu
Local Structure of Zirconium Complex Cross-Linked with Resin	IWATA , Noriyuki
Change in structure of Laves phase RMn_2 compounds (R=Y,Mn) around the magnetic transition temperature	MAKIHARA , Yoshikazu
Direct Speciation of Copper , Lead , Antimony , Zinc and Chromium in Municipal Solid Waste Incinerator Fly Ash by X-ray Absorption Fine Structure Spectroscopy	TAKAOKA , Masaki
Study on Stabilization Mechanism of Heavy Metals in Melting Slag by X-ray Absorption Fine Structure Spectroscopy	TAKAOKA , Masaki
Electronic states of mechanically alloyed Zr_2Ni	NAKAI , Ikuo
EXAFS from heat treated Sb-Te alloy film	TANI , Katsuhiko
Study of Local Environment of Metal in M/CeO_x (M=Pt) Automobile Catalysts by XAFS	SARODE , Prabhakar R .
XAFS Analysis of Indium Supported by Zeolite Catalyst on De-NOx Reaction with Hydrocarbon in Diesel Engine Exhaust	KIYOTAKI , Gen
Chemical states of trace heavy metals in fly ash and bottom ash	NAGOSHI , Masayasu
The Effect of Ln (Ln=Ce , La) doping on the performance of $AlPO_4$ Catalysts in CFC's Decomposition	NISHIGUCHI , Hiroyasu
EXAFS Study of Local Structural Disorder in Heavy-fermions and Non-Fermi Liquid Materials	VEMURU , Krishnamurthy V .
Study of specific structure of micro zirconium oxides dispersed on the porous materials which surface area exceeds $1,000m^2/g$	NISHIYAMA , Satoru

Structural study of alkali-added supported noble metal catalysts which is active for hydrogenation of phenols	NISHIYAMA , Satoru
Local lattice distortion in metal-insulator transition compound PrRu ₄ P ₁₂	LEE , Chul-Ho
XAFS Analysis on Fine Structure of Infinitesimal Palladium Species Immobilized on Hydroxyapatite Surface	KANEDA , Kiyotomi
High-Resolution Study of Controlled Deexcitation of Nuclear Isomers	COLLINS , Carl
XAFS Studies of Metal Ion-implanted TiO ₂ Thin Film Photocatalyst Available under Visible Light Irradiation	YAMASHITA , Hiromi
XAFS Studies of Noble Metal-Containing Polymer Catalysts Supported on Metal Oxide	OKAMOTO , Masaki
EXAFS Characterization of Pd/WO ₃ /ZrO ₂ Catalyst	OKUMURA , Kazu
Structural Analysis of Pd Loaded on Mordenite Treated with AlCl ₃	OKUMURA , Kazu
Structural analysis of AgO _x thin films generating optical near-field	KOLOBOV , Alexander
Local structural change in Ge ₂ Sb ₂ Te ₅ films upon reversible amorphous-to-crystalline phase transition	KOLOBOV , Alexander
EXAFS study for the anharmonic atomic vibration of pure transition metals	YANG , Dong-Seok
Determination of Local Structure for Ag Clusters on Si by Total Conversion Electron Yield XAFS	SUZUKI , Yushi
Local Structure of Pt , Au and Ag Clusters Dispersed in Polymer	SUZUKI , Yushi
XAFS Analysis on Fine Structure of Ruthenium Cation Species Immobilized on the Surface of Inorganic Crystals	KANEDA , Kiyotomi
Structural Analysis of Tungsten-Zirconium Oxide Catalyst By Means Of XAFS	YAMAMOTO , Takashi
EXAFS study of phase change in Ge-Sb-Te thin films for use of DVD-RAM	NAKAMURA , Tetsuya
XAFS studies on local structure of Ag or Au supported on TiO ₂ /porous silica glass	ICHIHASHI , Yuichi
Structural Analysis of GaInN Multi-quantum Wells using X-ray Absorption Fine Structure Method	MIYAJIMA , Takao

XAFS Analysis of Impurities Doped in BST Ferroelectric Thin Films	OKUDA , Nobuhiro
Chemical states of mercury in fly ash	NAGOSHI , Masayasu
Speciation of Osmium in Iron Meteorite by Os L _{III} -edge XANES	TAKAHASHI , Yoshio
Site Selective Structural Analysis of Exchanged Ions in ZSM-5-type Zeolite by An Optical XAFS Technique Utilizing Photoemission Bands with Different Wavelength	KURODA , Yasushige
Adsorption structure of surface-active-agent on resin particle in solution	TANI , Katsuhiko
Local structure and electronic state of Gd-Ni system in the solid state reaction	NAKAI , Ikuo
XAFS Analysis of Rhenium in a Hyperaccumulator	ISHII , Toshiaki
EXAFS measurements for lanthanide ions-doped sol-gel titanium oxides	MATSUO , Shuji
Estimation of the site occupancies of cations in Co ₂ Z-type Ba ferrites (Ba ₃ Co _{2-x} Fe _{24+x} O ₄₁) by EXAFS analysis	NAKAGAWA , Takashi
In-situ XAFS study of the local structural change in cathode materials for lithium secondary battery during charge-discharging reaction	ARACHI , Yoshinori
Analysis of the local structure of Co-Mo/NaY nitride catalysts prepared by a CVD method by means of XAFS	KUBOTA , Takeshi
XAFS study on the self-regeneration mechanism of Pd-perovskite catalysts for the automotive exhaust gas	NISHIHATA , Yasuo
Local structure of fuel cell electrode-catalysts by XAFS	IKEMOTO , Yuka
Study on Stabilization Mechanism of Heavy Metals in Fly Ash by X-ray Absorption Fine Structure Spectroscopy	TAKAOKA , Masaki

BL02B1

Crystal structure of two dimensional hydrogen bonded material Squaric-acid at 0.43 GPa	ZHANG , Luoxian
X-ray diffraction study on metal-insulator transition in BaVS ₃	INAMI , Toshiya
Crystal structure analysis of photo isomerization intermediate state of γ -cobaloxime complex at 50K	UEKUSA , Hidehiro
Study of Electron Density State of D-atom in K ₃ D(SO ₄) ₂ by High Energy X-ray Diffraction Method	KASATANI , Hirofumi

Crystal Structure Analysis of $\text{Pt}(\text{bqd})_2$ at High Pressure	HAMAYA , Nozomu
Temperature dependence of X-ray scattering factor due to phason defects	WATANABE , Yasuhiro
Single Crystal Analysis of High-Pressure Phases of Solid Oxygen	AKAHAMA , Yuichi
Valence Ordering Analysis of Halogen-Bridged One-Dimensional Diplatinum Complex $\text{Pt}(\text{EtCS}_2)_2$: Low-Temperature Crystal Structure Analysis and Observation of Temperature Dependence of Diffuse Scattering	TORIUMI , Koshiro
Light-Induced Excited-States Crystallography of Multinuclear Metal Complexes	OZAWA , Yoshiki
Stress Distribution Measurement of Steel Sample with High Energy X-ray	YANASE , Etsuya
Energy Dependence of Integrated Diffraction Intensity for Powders	NISHINO , Yoshinori
X-ray stress measurement of thermal sprayed YSZ coating at the vicinity of substrate	IGASHIRA , Kenichiroh
Development of BL02B1	IKEDA , Naoshi
Stress analysis of plastic-packaged semiconductor chips	OKADA , Kazuyuki
Accurate measurement of lattice parameters on YMn_2O_5	KAGOMIYA , Isao
Study of charge ordering state in metal-insulator transition compound $\text{PrRu}_4\text{P}_{12}$	LEE , Chul-Ho
Low temperature structure modulations and conductivity of 2-dimensional organic conductor $\theta(\text{BEDT-TTF})_2\text{TIZn}(\text{SCN})_2$	WATANABE , Masashi
Nondestructive measurement of in-depth distribution of residual stress in surface treated steels	AKINIWA , Yoshiaki
Evaluation of Residual Stress in Thermal Barrier Coatings by High Energy X-Rays	SUZUKI , Kenji
Single crystal diffraction measurements for two dimensional hydrogen-bonded material Squaric-acid under high pressure	WATANABE , Masashi
Temperature dependence of x-ray scattering factor due to phason defect in icosahedral quasicrystals	WATANABE , Yasuhiro
Complex structure in the superconducting $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_{4+y}$ ($x=0.15$)	KIMURA , Hiroyuki

Resonant x-ray scattering study of EA ₂ CuCl ₄ under high pressure	OHWADA , Kenji
X-ray study of the successive phase transformation in a Co-rich Al-Ni-Co decagonal quasicrystal	MATSUO , Yoshie
Crystal Structure Analysis of the Low-Temperature Phase of BaVS ₃ using a Vacuum Camera	INAMI , Toshiya
Synchrotron Radiation Structure Analysis of the Light-Induced Radical Pair of a HexaarylbimidazolyI Derivative	TORIUMI , Koshiro
Light-Induced Excited-States Crystallography of Metal Complexes	OZAWA , Yoshiki
Detailed crystal structure analysis of La _{0.5} Sr _{0.5} MnO ₃ thin films	OHSUMI , Hiroyuki
Superlattice formation in 2-dimensional organic conductor θ -(BEDT-TTF) ₂ RbZr(SCN) ₂ under high pressure	WATANABE , Masashi
Instrumentational Development of BL02B1	IKEDA , Naoshi
BL02B2	
Effects of B-site Disorder in Sr ₂ FeMoO ₆	MORITOMO , Yutaka
Charge separation in Tb _{1-x} Ca _x MnO ₃	MORITOMO , Yutaka
Structure Determination of CuO	SOEJIMA , Yuji
Charge-Density Study of KNbO ₃ and KTaO ₃	AOYAGI , Sinobu
Precise Structure-Analysis of ZrW ₂ O ₈ by High-Energy X-Ray Powder Diffraction	KUROIWA , Yoshihiro
Pentagonal Dodecahedron in Icosahedral C ₈₀ Fullerene	NISHIBORI , Eiji
Structural Phase Transition of CH ₃ NH ₃ PbBr ₃	MASHIYAMA , Hiroyuki
Structural Study of a Ge-Sb-Te Ternary Compound utilized for Phase-change Optical Disks	MATSUNAGA , Toshiyuki
The Electronic Structure of Lithium Phthalocyanine Depending on Its Polymorphism	OKAJIMA , Toshihiro
Structural Phase Transition Associated with Metal-Insulator Transition of V _{0.9} Ti _{0.1} O ₂	NISHIBORI , Eiji
Structural Studies of Higher Fullerenes	PRASSIDES , Kosmas

Metal-insulator transition and charge-lattice anomaly in Ti and Yb-based compounds	IGA , Fumitoshi
Stability of Superlattice Structure in Alkali-Loaded Zeolite LTA	KIRA , Hiroshi
Structural studies of C ₆₀ -encapsulating carbon-nanotubes	MANIWA , Yutaka
New orders in antiferroelectric phases of PbHfO ₃	FUJISHITA , Hideshi
Structural charges of the carrier controlled one-dimensional Pr ₂ Ba ₄ Cu ₇ O _{15-y} Oxide	YAMADA , Yuh
Determination of hydrogen atom position by powder X-ray crystal structure analysis	NORITAKE , Tatsuo
Powder X-ray crystal structure analysis of CeO ₂ -ZrO ₂ mixed oxides	NAGAI , Yasutaka
Crystal Structure of Ferroelectric Bi _{4-x} La _x Ti ₃ O ₁₂	SHIMAKAWA , Yuichi
Crystal Structure Analysis of the Cordierite Ceramics by X-ray Diffraction Method using Synchrotron Radiation	SEKI , Hiromi
Molecular Orbital Ordering in Ammoniated Alkali Fullerenes	TAKENOBU , Taishi
Charge density study of Sm ₂ Fe ₁₇ N _x compounds by the Maximum Entropy Method	KUBOTA , Yoshiki
Accurate crystal structure analysis of (RE,Sr) ₂ NiO ₄ by high resolution powder x-ray diffraction	IKUTA , Hiroshi
Structure Analysis of Pentacyclic Triterpenoids by Synchrotron Radiation Powder Method	KIYOTANI , Tamiko
Observations of Ag nanoparticles in PMMA	OHBA , Takuya
The Study of Bonding Nature of B-based Icosahedral Cluster Solids	KIMURA , Kaoru
Accurate Intensity Measurements of Powder Diffraction Experiment with Temperature Changes by the Large Debye-Scherrer Camera Installed at BL02B2	NISHIBORI , Eiji
Origin of high resistivities observed for the Mackay-type Quasicrystals and their Approximants	TAKEUCHI , Tsunehiro
Structure and Properties of RE _{2.75} C ₆₀ (RE=Yb and Sm)	TANIGAKI , Katsumi
X-ray Diffraction of Alkali-ternary Fullerenes K _x Cs _{3-x} C ₇₀	KOBAYASHI , Mototada

The charge density distribution in $\text{Ce}(\text{Fe}_{1-x}\text{Co}_x)_2$ by the Maximum Entropy Method	MIZUMAKI, Masaichiro
Structural disorder and host-guest interactions in thermoelectric clathrates $\text{Sr}_8\text{Ga}_{16}\text{Ge}_{30}$, $\text{Ba}_8\text{Ga}_{16}\text{Ge}_{30}$, $\text{Ba}_8\text{Ga}_{16}\text{Si}_{30}$, $\text{Ba}_8\text{In}_{16}\text{Ge}_{30}$	IVERSEN, Bo B.
Thermal Property Analysis of Silicon Clathrate Compounds using Synchrotron Radiation Powder Method	YONEMURA, Mitsuharu
Microscopic Charge Separation in $\text{Tb}_{1-x}\text{Ca}_x\text{MnO}_3$	MORITOMO, Yutaka
Structures and Phase Transitions in Ba doped SrHfO_3	KENNEDY, Brendan J.
Structural Studies on Single-component Molecular Metal by Powder Diffraction using Synchrotron Radiation	KOBAYASHI, Akiko
Structural Studies on Martensitic Transforming Material Ni_2MnGa	OHBA, Takuya
Structure in $\text{La}@\text{C}_{82}$ -encapsulating carbon nanotubes	MANIWA, Yutaka
Variation of charge distribution and local structure of boron-cluster in YbB_n ($n=2,6$) by Yb-site substitution	IGA, Fumitoshi
Structural changes of the synthesis condition in $\text{FeSr}_2\text{YCu}_2\text{O}_8$ Oxide superconductor	YAMADA, Yuh
The structural transition from α -to β -phase in Zn_4Sb_3	KURISU, Makio
Structure Determination of $[(\text{C}_5\text{H}_{11})_4\text{N}][\text{H}_3\text{V}_{10}\text{O}_{28}] \cdot n\text{H}_2\text{O}$	OZEKI, Tomoji
Structural Change on the Paraelectric-Ferroelectric Phase Transition in Trichloroacetamide	KASANO, Hironobu
Structure Determination of the Al-Rh-Si 2/1-Cubic Approximant	TAKEUCHI, Tsunehiro
Study of Bonding Nature of Al-based Icosahedral Approximant Crystals	KIMURA, Kaoru
Study of the Charge Order Transition for Magnetite (Fe_3O_4)	TAZAKI, Ryoko
Studies of the Giant Particle Size Effect on the Structural Phase Transition in CsZnPO_4	YAMASHITA, Isao
The structure Determinations of $\text{Ce}_2@C_{72}$ and $\text{Sc}_2@C_{74}$ by MEM/Rietveld method	NISHIBORI, Eiji
Intensity Measurements of Weak Reflections such as Super Reflections in Powder Diffraction Experiment by the Large Debye-Scherrer Camera Installed at BL02B2	NISHIBORI, Eiji

Investigation of the charge density relating to the anomalous spin density in CeB ₆	OKADA , Noriko
Bonding Nature of the Novel Superconductor , MgB ₂	TAKATA , Masaki
Crystal Structure of I-phase at 530K in Ferroelectric Material Potassium Iodate	KASATANI , Hirofumi
Charge Ordering of Triangular Lattice YFe ₂ O ₄	KON , Keiichiro
Structural Study of the PZT thin films	MATSUNAGA , Toshiyuki
Structural Study of Mo ₄ O ₁₁ Magnéli Phase	KUROIWA , Yoshihiro
Crystal Structure Analysis of Dioxypyrimidofused Tetrathiafulvalene Derivatives	YOSHIDA , Yukihiro
Charge density study of Laves phase YAl ₂	KUBOTA , Yoshiki
Structure of Magnetic Clathrates Ba ₈ Mn _x Gr _{e46-x}	TANIGAKI , Katsumi
Structural Studies on thermoelectric material TiS ₂	IMAI , Hideto
Diffraction Study for iron compounds in the teeth of chiton Acanthopleura japonica	NUMAKO , Chiya
Study of structural changes of lithium manganese spinel oxides at elevated temperatures in non-aqueous electrolyte	KOBAYASHI , Hironori
X-ray Diffraction of Alkali-ternary Fullerenes K _x Rb _{3-x} C ₇₀	KOBAYASHI , Mototada
Structure Analysis of Sm Doped C ₆₀ Phase	DAM , Hieu Chi
Absence of Jahn-Teller distortion and charge disproportionation in the insulating phase of PrNiO ₃	AZUMA , Masaki
BL04B1	
In-situ observation of polycrystalline forsterite deformation by high pressure X-ray radiography	KANZAKI , Masami
Study of Nuclear Excitation by Electronic Transition(NEET) in Os Atom	HOSONO , Kazuhiko
High pressure falling sphere viscometry using X-ray absorbance contrast imaging	REID , Joy E .
X-ray diffraction of Fe melts at high pressure	URAKAWA , Satoru

<i>In-situ</i> observation of Mg (OH) ₂ dehydration at high pressure	FUKUI , Hiroshi
Phase transformation in Fe _{1-x} Ni _x system at high P and T	ANDRAULT , Denis
Polymeric phases of C ₆₀ formed at high pressures and temperatures	BENNINGTON , Stephen M .
Determination of flow law of olivine at high P and T conditions using CCD-camera	ANDO , Jun-ichi
High-pressure transformation kinetics of enstatite	KUBO , Tomoaki
Determination of phase relation of high pressure hydrous phase under the lower mantle conditions	OHTANI , Eiji
<i>In situ</i> viscosity measurement of molten Fe up to 10 GPa	TERASAKI , Hidenori
Viscosity of melt in the model basaltic system at high pressure	SUZUKI , Akio
Exploration of beta-Fe using sintered diamond anvils 4	ITO , Eiji
Determination of Equation of State of Majorites with Basaltic Composition Part2	TAKAHASHI , Eiichi
Pressure-Temperature Determination of the Spinel/Garnet Transition in Simlified and Natural Peridotite	WALTER , Michael
Precise Determination of the phase boundary of modified spinel-spinel transition in Mg ₂ SiO ₄ -Fe ₂ SiO ₄	KATSURA , Tomoo
Phase relation of antigorite at high pressure	KOMABAYASHI , Tetsuya
<i>In situ</i> Time-resolved X-ray Diffraction of Crystallization Process of Fine Ce ₂ O ₃ Particles from Supercritical Water	YAMAGUCHI , Toshi
The Temperature and Pressure Dependency of the Structure for Vitreous Silica	INAMURA , Yasuhiro
Determination of the melting temperature of gold at high pressure by X-ray imaging technique	IRIFUNE , Tetsuo
In situ X-ray diffraction observation of the phase transitions in diopside and the P-V-T relations of CaSiO ₃ and MgSiO ₃ perovskites up to 40 GPa	IRIFUNE , Tetsuo
High pressure and high temperature stability of high magnesian hydrous phase , superhydrous phase B	INOUE , Toru
<i>In situ</i> Viscosity Measurements of Silicate Melt under High-Pressures and Temperatures	FUNAKOSHI , Kenichi

Inter-laboratory pressure calibration at high temperatures	MINARIK , William G .
Studies on static and dynamic structures of metallic fluids in the supercritical region	TAMURA , Kozaburo
Density dependent structural changes in supercritical fluid sulphur	HOSOKAWA , Shinya
In-situ measurement of Si-Ge interdiffusion in Ca (Si,Ge) O ₃ melt using high pressure X-ray radiography	KANZAKI , Masami
Isothermal elastic property of Mg (OH) ₂ at high temperature	FUKUI , Hiroshi
Development of experimental technique for deformation of mantle constituent minerals at pressure around 15 GPa	ANDO , Jun-ichi
The Temperature and Pressure Dependence of the Structure for Vitreous Silica	INAMURA , Yasuhiro
Precise determination of phase relations of modified spinel-spinel transition in the system Mg ₂ SiO ₄ -Fe ₂ SiO ₄ at high pressures and temperatures	KATSURA , Tomoo
Development of a sapphire cell to measure x-ray diffraction of liquid silicon	INUI , Masanori
Observation of melting of gold at high pressure by in situ X-ray radiography	IRIFUNE , Tetsuo
Bulk moduli of calcium-ferrite type MgAl ₂ O ₄ , CaSiO ₃ and MgSiO ₃ perovskites to 40 GPa determined by in situ X-ray diffraction	IRIFUNE , Tetsuo
Phase equilibria of periodotite under lower mantle conditions	ITO , Eiji
Phase relationships and equation of state for FeS	URAKAWA , Satoru
Search for high pressure hydrous phase in the MORB-water system at High Pressure	OHTANI , Eiji
Kinetics of decomposition reaction of enstatite to spinel + stishovite at high pressure	KUBO , Tomoaki
Equation of state of high magnesian hydrous silicate , superhydrous phase B	INOUE , Toru
Structure of Liquid GaSb and InSb under High Pressure	TSUJI , Kazuhiko
Structure and Fluctuation of Liquid Divalent Metals at High Temperatures	TAKEDA , Shin'ichi

Determination of Density of Basaltic Crust at the Lower Mantle Conditions TAKAHASHI , Eiichi

In-Situ Measurements of the Postspinel Transition Boundary in a Natural Peridotite Composition FEI , Yingwei

Investigation of Fe melt structure by viscometry TERASAKI , Hidenori

Studies on static and dynamic structures of metallic fluids in the supercritical region TAMURA , Kozaburo

BL04B2

X-ray Inelastic(Compton)scattering of disordered materials SUZUYA , Kentaro

The structure of room temperature alkylimidazolium hydrofluoride molten salts studied by high-energy X-ray diffraction HAGIWARA , Rika

The structure of 1-ethyl-3-methylimidazolium chloroaluminates studied by high-energy X-ray diffraction KOHARA , Shinji

High-energy X-ray Diffraction Measurements for Anhydrous Sodium Carboxylate Melt KAJINAMI , Akihiko

X-ray Powder Diffraction of COS under High Pressure KAWAMURA , Haruki

Powder X-ray Diffraction of CaFeO₃ under High Pressure NASU , Saburo

High-resolution crystal structure analysis of a micro crystal containing heavy atoms by short wave length X-ray UEKUSA , Hidehiro

High resolution crystal structure analysis of photochromic micro crystals by short wavelength X-ray UEKUSA , Hidehiro

Crystal structure of Li under pressure MORI , Yoshihisa

Characterization of Br...Br interactions in organic crystals using accurate electron density distribution analyses HASHIZUME , Daisuke

X-Ray Structure Analyses of Micro Crystalline Lead Halide-Transition Metal Complex Using High Energy X-Rays MIYAMAE , Hiroshi

Analysis of Anharmonic Thermal Motion in the Crystals of Polyoxotungstates by Accurate Single Crystal X-ray Structure Analyses Using High Energy X-rays OZEKI , Tomoji

Accurate Single Crystal X-ray Structure Determination of Polyoxotungstoplatinates Using High Energy X-Rays OZEKI , Tomoji

Pressure-induced phase transition based on the anomalous electronic states for one-dimensional platinum complex	TAKEDA , Keiki
The structure of PbCl ₂ melt studied by high-energy X-ray diffraction	IWADATE , Yasuhiko
Search for High-Pressure Non-Molecular Phase of AX ₄ type molecular crystal	OHMURA , Ayako
Compressibility Measurement of CeInAu ₂ Compound	KURISU , Makio
Temperature dependence of the intermediate-range order in vitreous silica	KOHARA , Shinji
Studies on static and dynamic structures of metallic fluids in the supercritical region	TAMURA , Kozaburo
Structure of hydrogen absorbed graphite materials	FUKUNAGA , Toshiharu
Structure Analysis of Microcrystals of Antiferroelectric Liquid Crystal Compounds	NOGUCHI , Keiichi
Development of the structure analysis of the molten minerals at high pressure and temperatures using DAC	HATTORI , Takanori
Pressure-induced phase transition of ScSb with a NaCl-type Structure	HAYASHI , Junichi
X-ray diffraction study of structural change in high-pressure amorphous phase of SnI ₄	OHMURA , Ayako
Experimental separation of incoherent and coherent component of X-ray scattering from disordered materials	SUZUYA , Kentaro
Bulk Modulus Measurement of Hetero-Diamond (High Pressure Phase of BC _x N)	KAKUDATE , Yozo
High-Precision X-Ray Structure Analysis of Heavy-Metal Clusters Using High Energy X-Rays	OZEKI , Tomoji
Development of an Effective Data Collection Strategy Using the Weissenberg Camera at BL04B2 Beamline	OZEKI , Tomoji
Crystallographic study on a weak interactions in needle like micro crystal by high brilliance X-ray	UEKUSA , Hidehiro
Powder X-ray Diffraction of CaFeO ₃ under High Pressure	NASU , Saburo
High-energy X-Ray Diffraction Measurement of Manganese Borate Glasses	KAJINAMI , Akihiko

Structural investigation of liquid germanium in a wide temperature range	KAWAKITA , Yukinobu
X-ray diffraction study of SnI ₄ at high pressure using of a helium-pressure medium	SATO , Kyoko
The structure of room temperature alkylimidazolium fluorohydrogenate molten salts	HAGIWARA , Rika
The structure of liquid Zn studied by high-energy X-ray diffraction	KOHARA , Shinji
Fine structural analysis of short- , intermediate- and extended-range order in alkali germanate M ₂ O-GeO ₂ (M: Li,Na and K) glasses by high-energy X-ray diffraction method	HANNON , Alex C .
Crystal Structure Analysis of Partially Oxidized One-Dimensional Dirhodium Complex	MITSUMI , Minoru
Pressure dependence of magnetovolume effect in FeRh	ISHIMATSU , Naoki
Direct Observation of Hydrous Earth's Mantle Under High Temperature and Pressure Conditions	KAWAMOTO , Tatsuhiko
Application of <i>in-situ</i> XRD for Understanding the Formation Mechanism of Microstructures at Micro-alloyed Steel	WATANABE , Takashi
Pressure Induced Structural Transition of Spin Ladder Compound Sr ₂ Cu ₃ O ₅	AZUMA , Masaki
Studies on static and dynamic structures of metallic fluids in the supercritical region	TAMURA , Kozaburo
BL08W	
SR-XRF Analysis of Ancient Vitreous Materials from Nariwa Museum , Okayama	YAMAHANA , Kyoko
Compton Scattering Study on Yttrium and YH _x Hydride	YAMAGUCHI , Masuhiro
Elemental Analysis of A Trace of Paint Chip Using SR-XRF	NINOMIYA , Toshio
Introduction of superconducting magnet into high resolution Compton spectrometer and its application to bilayer manganite	KOIZUMI , Akihisa
Structural , magnetic and temperature dependence of the spin density in Cr-based thiospinels CMR material Fe _{0.5} Cu _{0.5} Cr ₂ S ₄ and FeCr ₂ S ₄	DEB , Aniruddha
Development and Application of New Elementary Analysis Method for samples covered with heavy element in surface	ITOU , Masayoshi

A comparative study of Compton Profile and Angular Correlation of Positron Annihilation Radiation spectrum in TiO ₂ single crystal	INOUE , Kouji
High-resolution Compton profile of d-AlNiCo quasicrystal	TAMURA , Junpei
X-Ray Magnetic Compton Scattering Study of the enhanced magnetization in CeFe ₂ annealed at 1000K	NAKAMURA , Tetsuya
Trace Elements Analyses of Archaeological Metal Objects	MURAKAMI , Ryu
Aging Operation of a 1D Position-Sensitive Germanium Detector	SUZUKI , Masayo
Development and application of new X-ray fluorescence technique for earth and planetary materials using high energy X-ray	TERADA , Yasuko
Application of high-energy X-ray fluorescence analysis for archaeometric analysis of old Kutani china wares(2)	NAKAI , Izumi
Study of the Electronic State of Metal Hydride YH _x by Compton Scattering	YAMAGUCHI , Masuhiro
Temperature dependence of the electronic states in BaF ₂ single crystal	INOUE , Kouji
Study of orbital state in La _{1.4} Sr _{1.6} Mn ₂ O ₇ through anisotropy measurement of magnetic Compton profile	KOIZUMI , Akihisa
Application of high-energy X-ray fluorescence analysis for characterization of archaeological glasses from Egypt	SANADA , Takashi
XRF imaging of the heavy elements in geological samples using high energy X-rays	TERADA , Yasuko
High-resolution Compton profile of i-CdCa quasicrystals	TAMURA , Junpei
Two dimensional reconstruction of momentum density of Sr ₂ RuO ₄ from directional Compton profiles	HIRAOKA , Nozomu
An Attempt to Change the Half-Lives of β-Decay Nuclides	BABA , Hiroshi
Development and Application of New Elementary Analysis Method for samples covered with heavy element in surface	ITOU , Masayoshi
Trace Element Analyses of Ancient Metal Artifacts	MURAKAMI , Ryu
Determination of Spin Coupling between Sm and Co in SmCo ₃ B ₂ using magnetic Compton-profile Measurement	SAKAI , Nobuhiko

Spin density of double perovskite $\text{Sr}_2\text{FeMoO}_6$ studied by magnetic Compton scattering	DEB , Aniruddha
Application of high-energy X-ray fluorescence analysis for fluorites	NOMA , Takashi
The SR-XRF Analysis of Roman Faience from Egypt	YAMAHANA , Kyoko
BL09XU	
Characterization of a thin SiO_2 film thermally grown on a silicon wafer using grazing-incidence x-ray diffraction	KUDO , Yoshihiro
Energy Resolved Nuclear Resonance Scattering	CALLENS , Riet
Measurements of the higher-order reflections from the ordered SiO_2 in the thermal oxide layer on Si substrates	SHIMURA , Takayoshi
Direct phase measurement of x-ray specular reflection using modulation under the Bragg condition	YASHIRO , Wataru
Measurement of lattice distortion near SiO_2/Si interface by using modulation of CTR scattering under the Bragg condition	YASHIRO , Wataru
Structure analysis at solid liquid interfaces: Underpotential deposition of copper on Pt(111) and Au(111) electrodes in sulfuric acid solution	NAKAMURA , Masasi
Structural Analysis of One-Dimensional Quantum Structure by X-ray Standing Wave Method	SAITO , Akira
Study of partial vibrational density of states in a-PdGe combined by electron inelastic scattering and inelastic neutron scattering	SHIBATA , Kaoru
Nuclear resonant scattering study of vibrational density of states in the 2 dimensional single grain quasicrystal $d\text{-Al}_{72}\text{Ni}_{23}\text{Fe}_5$	SHIBATA , Kaoru
Influence of a Cu Matrix to the Phonons of $\gamma\text{-Fe}$ Precipitates	TSUNODA , Yorihiro
X-ray residual stress measurement for anode-supported solid oxide fuel cells using synchrotron radiation	YAKABE , Hisataka
Holographic Imaging of Surface Atoms using Surface X-ray Diffraction	SUMITANI , Kazushi
Structural Study of $\text{Si}/\text{Ge}/\text{Si}(001)$ crystals by Measurement of Multiple Energy X-ray Holography	KUSANO , Shuuji
Elastic and inelastic nuclear resonant scattering of Eu_4As_3	KOBAYASHI , Hisao

Characterization of SiON/Si interface with X-ray CTR scattering II	AWAJI , Naoki
Measurement of residual stress distribution in a micro-indentation on Ti-6 Al-4V alloy	MURAKAMI , Yukitaka
Measurement of the probability on nuclear excitation of ¹⁹⁷ Au in atomic-shell ionization	KISHIMOTO , Shunji
Study on Local Vibrational Densities of States Using Element and Site Specific Nuclear Resonant Inelastic Scattering and Development of the Measuring Methods	SETO , Makoto
Mapping of Local Stress near the Crack Tip in Ceramics	SAKAIDA , Yoshihisa
Measurement of lattice distortion near SiO ₂ /Si interface by using modulation of CTR scattering under the Bragg condition	YASHIRO , Wataru
Phonon Density of States of Eu-Graphite Intercalation Compounds by Inelastic Nuclear Resonant Scattering	KITAO , Shinji
Simultaneous measurement of conversion electron emission and nuclear resonant forward scattering on a thin Fe film under grazing-incident condition	OKANO , Tatsuo
Observation of nuclear excitation on ¹⁹³ Ir in K-shell ionization	KISHIMOTO , Shunji
Mössbauer Spectroscopy using a Beam from FeBO ₃ (333) Nuclear Bragg Scattering under High Pressure	NASU , Saburo
¹⁵¹ Eu Nuclear resonance scattering by heterodyne method and its application for high-pressure research using a DAC	SERDONS , Inge K .
Nuclear Resonant Inelastic Scattering of hematite under High Pressure	YAMADA , Takahiro
X-ray standing wave analysis of a δ -doped Mn layer in GaAs	TAKAHASI , Masamitsu
X-ray dynamical diffraction from a quartz crystal plate for the 0 6 10 reflection at a Bragg angle near 90	IMAI , Yasuhiko
Study of the Interactions in Solution between Iron Complexes and Solvent by Nuclear Resonant Quasielastic and Inelastic Scattering	HARUKI , Rie
Study on Local Vibrational Densities of States Using Element and Site Specific Nuclear Resonant Inelastic Scattering and Development of the Measuring Methods	SETO , Makoto

BL10XU

Compressibility of the MgB ₂ superconductor	TAKATA , Masaki
Site-selective XAFS Spectroscopy Utilizing a Fluorescence Spectrometer for Cu/ZnO Methanol Synthesis Catalysts	KIYOTAKI , Fumitaka
XAFS Spectroscopy Utilizing a Fluorescence Spectrometer for Lead Ion Adsorption Site on Pyroaurite	IZUMI , Yasuo
X-ray fluorescence holography of Si:As	HAYASHI , Kouichi
Bulk modulus measurement of cubic BC2N	UTSUMI , Wataru
X-ray Diffraction Experiments of Solid Methane at High Pressures and Low Temperatures	KAWAMURA , Haruki
X-ray Diffraction Experiment of Solid Hydrogen at High Pressures and Low Temperature	KAWAMURA , Haruki
Structural analysis of ITO epitaxial film by X-ray fluorescence holography	KANEYOSHI , Takahiro
High pressure behavior of quasicrystals in novel Zr-based alloys	JIANG , Jianzhong
Metal-insulator transition and charge-lattice anomaly under high pressure environment in Ti and Yb-based compounds	IGA , Fumitoshi
Phase Transition of BeO under high pressure	MORI , Yoshihisa
X-ray Diffraction Experiment at Low Temperature of ZnCr ₂ O ₄ under High Pressure	YAMADA , Takahiro
Valence and Site Selective Structural Analyses of Exchanged Ions in ZSM-5-type Zeolite by An Optical XAFS Technique	KURODA , Yasushige
Structural phase transition of iron sulfides under high pressure	KOBAYASHI , Hisao
Phase boundary between rutile-type and CaCl ₂ -type germanium dioxide determined by in situ X-ray observations	ONO , Shigeaki
Study of valence transition in rare earth metals doped fullerenes	DAM , Hieu Chi
Search for Structural Phase Transition in Pt(bqd) ₂ at High Pressure	HAMAYA , Nozomu
Determination of crystal structure of SnI ₄ at high temperature and high pressure	SATO , Kyoko
Structural stability and the equation of state of the high-pressure bcc phase of Bi	TAKEMURA , Kenichi

The Valence-fluctuating States in CeLnAu ₂ and YbInAu ₂ Compounds under High Pressure	KURISU , Makio
Stability of magnesite in the lower mantle	ISSHIKI , Maiko
X-Ray Diffraction Analysis on High-Pressure Phases of Solid Oxygen	AKAHAMA , Yuichi
Electron Density Distribution Analysis of s-d Transition in Cesium by MEM	OHISHI , Yasuo
Structural Study of Icosahedral Zn-Mg-Dy Quasicrystal Under Hydrostatic Pressure up to 40GPa	WATANUKI , Tetsu
X-ray fluorescence holography of high T _c superconductors	TERASAWA , Mititaka
XAFS Spectroscopy Combined with a Fluorescence Spectrometer for Trace Amounts of Element . Lead Adsorption Site in the Environmental Conditions	IZUMI , Yasuo
Powder diffraction of two dimensional hydrogen-bonded material Squaric-acid under high pressure	WATANABE , Masashi
X-ray Diffraction Experiments of Solid Deuterium at High Pressures and Low Temperature	KAWAMURA , Haruki
Structural and Electrical Study in Light Alkaline Metals (Na,Li) under Very High Pressure	SHIMIZU , Katsuya
Research for BCC Phase of Titanium and Sulfur to 260 GPa	AKAHAMA , Yuichi
Low-Temperature X-Ray Diffraction Study on High-Pressure Phases of Solid Oxygen	AKAHAMA , Yuichi
Metal-insulator transition and charge-lattice anomaly in Ti and Yb-based compounds	IGA , Fumitoshi
Gap-Scan XAFS Study of Ultra-Diluted Copper-Contain Proteins	KIKUCHI , Akihiro
High Pressure and High Temperature Phase Transition of Fe and FeO up to 145 GPa	MURAKAMI , Motohiko
Lower-mantle subsolidus phase relations in the system MgO-Al ₂ O ₃ -SiO ₂	WALTER , Michael
Post-stishovite phase boundary in SiO ₂ determined by in situ X-ray observations	ONO , Shigeaki
Structural change of Al ₂ O ₃ and Fe ₂ O ₃ under high pressure	NAGAI , Takaya

X-ray Diffraction Experiment at Low Temperature of Ferromagnetic Cupric Oxides under High Pressure	YAMADA , Takahiro
X-ray absorption fine structure measurement using a scanning capacitance microscope	ISHII , Masashi
Study of high-pressure structural phase transition in rare earth metals doped fullerenes	DAM , Hieu Chi
Decarbonation of magnesite and stability of carbonates in the lower mantle	ISSHIKI , Maiko
Structural Study of Icosahedral Cd-Yb Quasicrystal Under Hydrostatic Pressure up to 40GPa	WATANUKI , Tetsu
Structural Study of Cd ₆ Yb and Cd ₆ Eu alloy systems Under Hydrostatic Pressure up to 40GPa	WATANUKI , Tetsu
High-pressure structural analysis of (Nd,Sm) _{1/2} Sr _{1/2} MnO ₃ : Origin for pressure-induced charge ordering	KURIKI , Akira
BL11XU	
Interference phenomenon of nuclear forward scattering in antiferromagnetic materials with a single mode phonon	MITSUI , Takaya
Mossbauer Spectroscopy using a Beam from α -Fe ₂ O ₃ (777) Nuclear Bragg Scattering	NASU , Saburo
Phase relations of AgI under high-pressure and high-temperature	OHTAKA , Osamu
Nuclear Forward Scattering of SnI ₄ under High Pressure	YAMADA , Takahiro
Nuclear Resonant Excitation of ¹²⁵ Te	KITAO , Shinji
Phase relations of CuBr under high-pressure and high-temperature	OHTAKA , Osamu
The observation of polarization switching of nuclear resonant Bragg scattering by using synchrotron radiation	MITSUI , Takaya
Nuclear Resonant Inelastic Scattering on Myoglobin	HARAMI , Taikan
Structure of undercooled molten semiconductors	WATANABE , Masahito

BL13XU

Measurement of residual stress distribution in a micros-indentation on Ti-6Al-4V alloy	MURAKAMI , Yukitaka
Holographic Imaging of Surface Atoms using Surface X-ray Diffraction	SUMITANI , Kazushi
Structural Study of Si/Ge/Si(001) crystal by X-ray Diffraction	KUSANO , Shuuji
Detection of Fluctuating Surface Morphology of an AuCd Alloy: Effects of a Martensitic Transformation	TAKAHASHI , Isao
Commissioning of the apparatus for analysis of a surface structure on an atomic scale by X-ray scattering and diffraction	SAKATA , Osami

BL14B1

Structural relationship between liquid, supercooled liquid and glassy states of PdCuNiP alloy	JIANG , Jianzhong
XAFS Measurement of Alkali-GeO ₂ Melts under High temperature and High Pressure	OHTAKA , Osamu
Single Crystal Growth of CaFeO ₃ and SrFeO ₃	AZUMA , Masaki
EOS study of FeS ₂ at high temperature and measurement of thermal expansivity of FeS ₂ at high pressures	KIM , Young-Ho
XAFS Measurement of Liquid Ge under High Pressure	OHTAKA , Osamu
Crystallization of Bulk Metallic Glasses under High Pressure	SUN , Liling
Liquidus Line of Low-Pressure Phase of Sn ₄	FUCHIZAKI , Kazuhiro
A DAFS study for a determination of the local structure of charge disproportionation in a La _{1/3} Sr _{2/3} FeO ₃ single crystalline thin film	AKAO , Takahiro
Local Structure of Ge in GeS ₂ Glass under High-Pressure	MIYAUCHI , Koichi
Single Crystal Growth of PrNiO ₃	AZUMA , Masaki

BL19B2

Development of XAFS Measurement System at Engineering Science Research Beamline BL19B2	OKAJIMA , Toshihiro
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Structural analysis of co-crosslinked rubbers	KISHIMOTO , Hiroyuki
XAFS Study of Phase Change Optical Recording Media	TAGUCHI , Takeyoshi
<i>In situ</i> XAFS Study on Lithium-ion Batteries under High Temperature	NONAKA , Takamasa
Development of the Debye-Scherrer camera at BL19B2	HONMA , Tetsuo
Installation of multi-axes diffractometer for industrial application at BL19B2	HIROSAWA , Ichiro
Residual stress measurement of partially stabilized Zirconia coating at the vicinity of substrate	NAKAGAWA , Shigetomo
Studies on the Application of Synchrotron Radiation to Powder X-ray Diffraction of Organic Materials	OSANO , Yasuko T .
BL20B2	
Direct observation of hydride formed in pure and Ti-Al alloy by refraction imaging	MIZUNO , Kaoru
Characterization of Strain Distribution in Large-diameter Silicon Wafers Caused by Surface Preparation Processes	KAWADO , Seiji
High-resolution x-ray topography using a very distant x-ray source	KAWADO , Seiji
Dynamic observation of porosity formation and solidification process of Al-Si alloys	OHNAKA , Itsuo
Analysis of the Features of Acute Respiratory Distress Syndrome(ARDS) Using Ultra High-Resolution CT	JOHKOH , Takeshi
Plane wave synchrotron radiation topographic observation of grown-in microdefects in silicon crystals	IIDA , Satoshi
Development of micro-angiography system for observation and analysis of microcirculation	UMETANI , Keiji
Development of a 2D imaging system for biomedical specimens using Si asymmetric reflexion	ANDO , Masami
Microstructural analysis of trabecular bone using monochromatized X-ray CT in bone metastasis from prostate cancer	SONE , Teruki
Evaluation of changes of tumor vessele during and after anticancer drug injection using monochromatized X-ray	YAMASHITA , Takenori

Experimental studies of microangioarchitecture of tumors using monochromatized X-ray	YAMASHITA , Takenori
Quantitative Measurement of Electron Density by Dual-Energy X-ray CT and Its Evaluation with aid of Range of Fast Ion in Water	TORIKOSHI , Masami
Three Dimensional Structure of multiple vessels in the Organ Using Multiple Contrast Materials	TSUJI , Chizuko
A study of 3-dimensional structure of melt and void in rocks by an XTM	NAKANO , Tsukasa
The human lung imaging using synchrotron radiation CT	IKURA , Hirohiko
Microvasculature of Hepatic Tumors	HORI , Masatoshi
Treatment of neoplasms by synchrotron radiation with mono-L-aspartyl aurochlorin e6	TSUCHIDA , Takaaki
Three-dimensional structures of metallic iron-iron sulfide in meteorites by XTM	TSUCHIYAMA , Akira
A study on rock textures by analysis of XTM images for samples returned by MUSES-C mission	TSUCHIYAMA , Akira
Refraction-contrast imaging using mouse , rat , and lung cancer sample	HIRANO , Masatsugu
Fundamental Study for visualizing the biological molecules using hard X-rays	KOHMURA , Yoshiki
Basic Studies of Mammography using Refraction-Enhanced Imaging	IMAMURA , Keiko
Development of Human Imaging on Orthopedics by Means of Synchrotron X-ray Phase Contrast	MORI , Koichi
Evaluation of coronary vascular reserve in rats using synchrotron radiation angiography	FUKUSHIMA , Kazuhito
Visualization of vasodilation of renal arteries with acetazolamide in rats using synchrotron radiation microangiography	FUKUSHIMA , Kazuhito
Visualization of vasoconstriction of intrahepatic preterminal portal venules with endothelin-1 in rats using synchrotron radiation microangiography	TSURUSAKI , Masakatsu
Analysis of the Features of Acute Respiratory Distress Syndrome(ARDS) Using Ultra High-Resolution CT	JOHKOH , Takeshi
Evaluation of Coronary artery structure in a canine microvessel ischemic model	KANDA , Munetake

Evaluation of angiogenesis of adrenomedullin	TOKUNAGA , Noriyuki
Development of Translate/Rotate Mode CT System for Quantitative Measurement of Electron Density	TORIKOSHI , Masami
Dose comparison of Si photodiodes and a cavity ionization chamber for 30-70 keV photons	NARIYAMA , Nobuteru
Comparison of Images Obtained by DEI and Refraction-Contrast Imaging	YAGI , Naoto
Three Dimensional Analyses of Small Airway and Vessels in Normal and Injured Rat Lungs Using Multiple Contrast CT Images	TSUJI , Chizuko
Evaluation of Microcirculation in Cardiovascular Disease Using Microangiography System	YOKOYAMA , Mitsuhiro
A study of three-dimensional structures of radial pyroxene chondrules using XTM	TSUCHIYAMA , Akira
Basic Studies of Breast Disease Diagnosis using Refraction-Enhanced Imaging	IMAMURA , Keiko
Micro Vascular Structures of Rat Liver	HORI , Masatoshi
Evaluation of three-dimensional trabecular structure after treatment with different anti- osteoporotic medicine	ITO , Masako
Evaluation of large field and high resolution two-dimensional detector for x-ray CT method	UESUGI , Kentaro
Three-dimensional comparison of bone microstructure among various osteosclerotic lesions	SONE , Teruki
Three-dimensional microstructural analysis of trabecular bone in the murine model of osteoporosis	SONE , Teruki
Evaluation of coronary endothelial function in spontaneous hypertensive rats using synchrotron radiation microangiography	FUKUSHIMA , Kazuhito
Visualization of renal microcirculation in diabetic rats using synchrotron radiation microangiography	FUKUSHIMA , Kazuhito
Microangiographic assessment of intrahepatic preterminal portal venules in rats with CCl ₄ induced cirrhosis using synchrotron radiation microangiography	TSURUSAKI , Masakatsu
Development of a Photon-Counting Dual-Energy Monochromatic X-Ray CT	TOYOFUKU , Fukai

Development of Human Imaging by Means of Synchrotron X-ray Phase Contrast	MORI , Koichi
X-ray Topographic Observation of Surface-Strain Distribution in Large-Diameter Silicon Wafers	KAWADO , Seiji
X-ray Diffraction Topography of CZ-Si Crystal Ingots	KAWADO , Seiji
Microangiographic Determination Using SPring-8 Synchrotron Radiation in Dilated Cardiomyopathy	SHIMIZU , Toshihiro
Dynamical analysis of coronary microcirculation using rotational microangiography system	MATSUMOTO , Takeshi
Visualization of fractal structures in polymer/filler systems	TAKENAKA , Mikihiro
Microangiographic Analysis of Autoregulation in Rat Brain	KONDO , Takeshi
Direct observation of unsteady microstructure evolution during crystal growth of Sn alloys	OHNAKA , Itsuo
Development of Dark-field Imaging System in Large-area for Biomedical Specimens	SUGIYAMA , Hiroshi
Study on the three-dimensional pore structure of porous rocks by dual-energy XTM	NAKASHIMA , Yoshito
3-D Microstructure of the Human Peripheral Lung Using the Volume Data with Synchrotron Radiation CT	IKURA , Hirohiko
Characterization of three-dimensional structures of polymeric foams by a X-ray computerized tomography method	JINNAI , Hiroshi
X-ray imaging study of electronic devices by using high-energy monochromatized x-ray	KOBAYASHI , Kenji
BL20XU	
Ultra-Small Angle Diffraction Experiment using Medium-length Undulator Beamline	YAGI , Naoto
Preliminary Tests for Non-Scanning X-Ray Fluorescence Imaging	SAKURAI , Kenji
Development of x-ray microscope system with Fresnel zone plate	TAKEUCHI , Akihisa
Development of Scanning Hard X-Ray Scanning Microscope with a Coherent Microbeam	TAKANO , Hidekazu

X-ray Microbeam and Scanning Microscopy with Fresnel Zone Plate Optics at BL20XU	SUZUKI , Yoshio
Improvement and Test of Crystal Monochromator for High Energy Experiment at BL20XU	SUZUKI , Yoshio
Hard X-Ray Fourier Transform Holography with a Zone Plate	WATANABE , Norio
X-Ray Fourier Transform Holography using a 3rd Order Focus of a Zone Plate as a Reference Source	WATANABE , Norio
Phase-Contrast Microtomography Using an X-Ray Interferometer	MOMOSE , Atsushi
Dynamic high speed speckle Measurement using a Fresnel zone plate	SUZUKI , Takuya
Characterization of sputtered-sliced Fresnel zone plate at BL20XU : high resolution hard x-ray microbeam experiments	KAMIJO , Nagao
Measurement of focused spot size of high-energy X-rays using sputtered-sliced Fresnel Zone Plate	AWAJI , Mitsuhiro

BL23SU

Photoemission study of oxidation process induced by translational energy of O ₂ molecule on Cu(100)	OKADA , Michio
Real-Time Monitoring Photoelectron Spectroscopy of Oxidation on Ti Surfaces	TAKAKUWA , Yuji
In-situ observation for initial oxidation process on Er deposited film by supersonic oxygen molecular beam	MATSUI , Shinji
Soft X-ray reaction of amino acid films induced by inner-core selective excitation	NAKAGAWA , Kazumichi
Study of electronic states of Sm-4f electrons in Sm compounds by means of XAS and MCD	MIZUMAKI , Masaichiro

BL25SU

Study on the Effect of Magnetic Field and Coherence on the Kondo Resonance of Cerium Compounds	CHOI , Byung-Hee
Bulk-sensitive angle-resolved high-resolution soft x-ray photoemission spectroscopy	SUGA , Shigemasa

High-Resolution Resonant Photoemission Spectroscopy on CeSi and CeT ₂ Si _z (T=Pd,Ni)	MIMURA , Kojiro
Precursor non-magnetic states of NdFe ₄ P ₁₂ and CeSn ₃ detected by core excitation MCD	MIYAHARA , Tsuneaki
Electronic Structure of Superconducting Sr ₂ RuO ₄ Studied by Bulk-Sensitive High-Resolution Photoemission Spectroscopy	SEKIYAMA , Akira
High-Resolution Resonance Photoemission Study of Nd _{1-x} Sr _x MnO ₃ : Evidence for Metallic Nd _{0.45} Sr _{0.55} MnO ₃	SEKIYAMA , Akira
High-Resolution Photoemission Study of Kondo semiconductor CeRhAs and related compounds	SEKIYAMA , Akira
Ti 2p core absorption spectrum of Y _{1-x} Ca _x TiO ₃	KIMURA , Akio
Soft X-ray magnetic circular dichroism study of Nd ₂ Fe ₁₇ and Nd ₂ Fe ₁₇ N ₃	KIMURA , Akio
Temperature dependence of high-resolution 4f photoemission spectra of metal-insulator materials (ReRu ₄ X ₁₂ (Re=La,Ce,Pr,X=P,Sb))	NANBA , Takao
Element-selective study of the change in the spin and orbital magnetic moments at the martensitic transition of ferromagnetic shape memory Ni ₂ MnGa	IMADA , Shin
Magnetic states on R and Mo sites in ferromagnetic pyrochlore compounds R ₂ Mo ₂ O ₇ (R=Nd, Sm, Gd)	IMADA , Shin
Magnetic Anisotropy of Polycrystalline and Epitaxial (Mn-Cr) Pt ₃ ordered alloy films	KATO , Takeshi
Electronic Structure and Thermoelectric Power of Heusler-type Fe ₂ VAl Compound	SODA , Kazuo
Studies on Electronic Structure of YbCdCu ₄ and YbMgCu ₄ by means of High-Resolution Photoemission Spectroscopy	SATO , Hitoshi
Circular dichroism in two-dimensional circularly-polarized light photoelectron diffraction on Fe/W(110)	FUKUMOTO , Keiki
Circularly-polarized light photoelectron diffraction on Co/W(110) surface	FUKUMOTO , Keiki
Stereoscopic Photographs and holography of Ho/Si(111) surface	OKAMOTO , Shunsuke
Study on the electronic structure of (La _{1-x} RE _x) ₂ Ba ₂ Cu ₂ O ₁₀ by means of high resolution photoemission spectroscopy and x-ray absorption spectroscopy	IKUTA , Hiroshi

Magnetic moments of Sm and Fe in SmFe ₂ by soft x-ray magnetic circular dichroism	MIYAGAWA , Hayato
Valence band structure of the cubic perovskite manganites	TAKEUCHI , Tsunehiro
Bulk-sensitive angle-resolved high-resolution soft x-ray photoemission spectroscopy of high T _c superconductors and related materials	SUGA , Shigemasa
High-resolution photoemission study of bulk electronic structures of half-metallic transition-metal compounds	KANG , Jeongsoo
Temperature dependence of localized magnetic moment on CeNi	SHIOZAWA , Hidetsugu
Magnetic Moments of Transition Metals in Heulser-type Fe ₂ VAl Alloys	SODA , Kazuo
Mo electronic state in pyrochlore compounds R ₂ Mo ₂ O ₇ (R=rare earths) and ferromagnetic metal to spin glass insulator transition	IMADA , Shin
Temperature dependence of the magnitude of the magnetic circular dichroism in the Mn 2p-3d x-ray absorption for Nd _{1-x} Sr _x MnO ₃	SEKIYAMA , Akira
Study on the Kondo Resonance of Cerium Compounds by 3d-edge Resonance Photoemission Spectroscopy- Intermediate-state and Coherence Effect	CHOI , Byung-Hee
Soft X-ray magnetic circular dichroism study of Nd ₂ Fe ₁₇ and the interstitially modified nitrides	KIMURA , Akio
Co 2p-3d Resonant Photoemission Spectroscopy of CoSb ₃	UEDA , Yoshifumi
Stereo Photographs of Atomic Arrangement in Ultra Thin Magnetic Films:Fe/Cu(001)	OKAMOTO , Shunsuke
Stereo Photographs of Atomic Arrangement of Organic Molecules on Si Surface	OKAMOTO , Shunsuke
Stereoscopic Photographs on Er/Si(111)Surface	OKAMOTO , Shunsuke
Temperature dependence of the energy gap observed for the cubic perovskite manganites	TAKEUCHI , Tsunehiro
Temperature-Dependent High-Resolution Eu 4f Photoemission Spectra of EuPd ₂ Si ₂	MIMURA , Kojiro
Resonant photoemission of Strongly Correlated Transition-Metal and Rare-Earth Alloy Systems at the Transition-Metal 2p and Rare-Earth 3d Edges	KIM , Hyeong-Do

Crystal-structure and composition dependence of Mn and T magnetic moments in ferromagnetic MnTX (T=Co,Rh; X=P,As)	IMADA , Shin
Photoelectron Spectroscopy In Ba ₈ Si ₄₆ and Ba ₈ Si _{46-x} Ge _x Clathrates	KOBAYASHI , Keisuke
Magnetic and electronic properties of colossal magnetoresistance spinels Fe _{0.5} Cu _{0.5} Cr ₂ S ₄ and FeCr ₂ S ₄	DEB , Aniruddha
BL27SU	
Improvement of the performance of the soft X-ray grating monochromator	ISHIGURO , Eiji
Deposition of fullerene by Soft X-ray synchrotron radiation ablation	ISHIGURO , Eiji
Nuclear Motion in the Core-excited States of H ₂ O by Resonant Auger Spectroscopy	HJELTE , Ingela
Study on site-specific fragmentation of polyatomic molecules induced by K-shell excitation using Auger electron-photoion coincidence spectroscopy	TAMENORI , Yusuke
Unusual Behavior in Auger Electron Emission around Kr:2p Ionization Threshold	NAGAOKA , Shin-ichi
Resonant Auger process of core-excited Ne atoms by high-resolution angle-resolved electron spectroscopy	YOSHIDA , Hiroaki
Preparation for the coincidence measurements of the resonant Auger electrons with the angle-resolved fragment ions from core-excited HCl molecules	YOSHIDA , Hiroaki
Non Franck-Condon behaviour in high energy photoelectron emission of hydrogen molecules due to recoil momentum	DE FANIS , Alberto
State-Selective Dissociation Processes initiated by O-H Bond Scission in O 1s Core-Excited Methanol	TOKUSHIMA , Takashi
Dissociation dynamics of inner-shell excited BF ₃ molecule - a challenge to the quadruple coincidence measurements of fragment ions -	MACHIDA , Masatake
Characterization of soft x-ray induced change of fluorocarbon polymer and high speed deposition	KANASHIMA , Takeshi
Preparation of ZrO ₂ /HfO ₂ /PZT thin films for ULSI gate insulator by using SR	OKUYAMA , Masanori
Alignment transfer and lifetime interference effects in the cascade Auger process in the Xe atom probed by ultrahigh-resolution angle-resolved electron spectroscopy	DE FANIS , Alberto

Nuclear motion of a core-excited BF ₃ molecule probed by subnatural-linewidth resonant Auger electron spectroscopy	DE FANIS , Alberto
Vibronic coupling in the core-excited states in BF ₃ and BCl ₃ molecules probed by the ultrahigh-resolution angle-resolved ion yield spectroscopy	IKEJIRI , Kazumasa
Angular distributions of inner-shell photoelectrons emitted from fixed-in-space CO ₂ molecules around the C1s/O1s to σ^* resonances	MACHIDA , Masatake
Construction of a high flux soft X-ray emission spectrometer and preliminary experiments of polarization dependent soft x-ray emission by transition metal compounds	HARADA , Yoshihisa
Vibrationally resolved photoelectron spectra of CO ₂ near the O1s ionization threshold using a 3D-TOF imaging technique	KUBOZUKA , Kenichiro
Spin Selectivity in Resonant Auger Decay of Core-Excited NO ₂	PIANCASTELLI , Maria N .
Evolution of high-resolution resonant Auger spectra of CF ₄ near the F 1s threshold	DE FANIS , Alberto
Elliptically bent mirror for microfocussing of undulator light	ISHIGURO , Eiji
Improvements of the soft X-ray grating monochromator on BL27SU	ISHIGURO , Eiji
Auger spectroscopy as a tool to study triply-excited Π_u states embedded in the N 1s $g \rightarrow u$ shape resonance of molecular nitrogen	SORENSEN , Stacey L .
Unusual Behavior in Auger Electron Emission around Kr:2p Ionization Threshold	NAGAOKA , Shin-ichi
Multiple photoionization processes of Kr in the M-shell ionization region by use of a coincidence technique	TAMENORI , Yusuke
Construction of High Energy-Resolution Soft X-Ray Spectrometer	WATANABE , Masamitsu
State-Selective Dissociation Processes initiated by O-H Bond Scission in O 1s Core-Excited Ethanol	MISHIMA , Yoshinari
SR-Included evaporation of electrical materials	OKUYAMA , Masanori
Angle-resolved photoemission study on MgB ₂	SHIN , Shigi
Development of high performance carbon films formed by Synchrotron radiation assisted	NISHIMURA , Kazuhito

Performance test of an apparatus for the coincidence measurements of resonant Auger electrons with angle-resolved fragment ions from core-excited molecules	YOSHIDA , Hiroaki
Dissociation dynamics of inner-shell excited C ₂ H ₂ molecule - probing femtosecond hydrogen atom transfer in the core-hole state by means of momentum measurements of fragment ions -	NAGOSHI , Mitsuru
Photoelectron diffraction of free molecules: PF ₃ and SiF ₄ illuminated from within	DE FANIS , Alberto
Soft X-ray Emission Spectra of SO ₂ /Ni(100) at the O K-edge	TOKUSHIMA , Takashi
Angle-resolved photoemission of Cr(110) with surface or bulk sensitivity	KAMAKURA , Nozomu
Fe 2p absorption and emission spectroscopy of iron compounds with a high flux soft X-ray emission spectrometer	HARADA , Yoshihisa

BL28B2

Characterization of Gold Nanocrystals for Diffracted X-ray Tracking	SASAKI , Yuji
In-situ observation of decreasing process of dislocation density in hetero-epitaxial semiconductor thin layer by means of thermal cyclic annealing	MIZUNO , Kaoru
SR white beam X-ray topography analysis of defects in SiC	NISHINO , Shigehiro
Dislocations in epitaxial layer of SiC observed by X-ray topography	YAMAGUCHI , Hirotaka
Development of high-speed micro-imaging system	UMETANI , Keiji
Low Temperature Laue Topography of Oxygen Isotope Exchanged SrTiO ₃	OZAKI , Tou
Characterization of Lattice Defects in Soft Crystals by Laue Topography	TACHIBANA , Masaru
Laue Topographic Studies on the Protein Crystals Grown under a Magnetic Field	SAZAKI , Gen
Development of High Temperature White-Beam Topography using Energy-Sensitive SSD and its Application to the observation of Imperfect Single Crystals	CHIKAURA , Yoshinori
Development of Scattering Topography using High Energy White X-ray Micro Beam	SUZUKI , Yoshifumi
Assessment and Instrumental Research on the Fast Shutter for White X-ray Flush Topography and White X-ray Strobe Topography	KAJIWARA , Kentarou

Development of the Characterization Technique for Very Thin Crystals by White X-ray Laue Topography	SHIMURA , Takayoshi
Observation of microcirculation using high speed microangiography system	UMETANI , Keiji
Characterization of Lattice Defects in Protein Crystals by Laue Topography	TACHIBANA , Masaru
Low Temperature X-Ray Topography of Strontium Titanate under an Electric Field	OZAKI , Tou
SR white beam X-ray topographical analysis of defects in SiC	NISHINO , Shigehiro
In situ topographic observation of Hg doping of Nb ₃ Te ₄ single crystal	MIZUNO , Kaoru
The Analysis of Dynamic Restoration Process of Metallic Materials by Synchrotron Radiation Topography	MIURA , Yasuhiro
Development of High Energy White X-Ray Microbeam Technology and its Application to the Scattering Spectro-Microtopography	CHIKAURA , Yoshinori
White X-ray Topographic Observation of Relaxor PZN Crystals	IIDA , Satoshi
Study of X-ray irradiation effect on physical properties of layered organic conductors	TANIGUCHI , Hiromi
Strain Distribution Mapping using White X-ray Microbeam	KAJIWARA , Kentarou
X-Ray Topography of Local-Strain Distribution in Silicon-On-Insulator Crystals in Comparison with X-Ray Microbeam Measurement Results	MATSUI , Junji
White X-ray topography of SiC at high temperature	YAMAGUCHI , Hirotaka
Characterization of Defects in Silicon Carbide Single Crystals by Synchrotron White Beam X-ray Topography	SUGIYAMA , Naohiro
BL35XU	
Study of Dynamical Charge Stripes by Inelastic X-Ray Scattering with Concentration Gradient Single Crystal of Transition Metal Oxides	MIZUKI , Jun'ichiro
Collective dynamics of liquid Mg	KAWAKITA , Yukinobu
Collective Dynamics of Molten Cuprous Halides	TAKEDA , Shin'ichi
Continued Commissioning of BL35XU	BARON , Alfred Q .

Partial phonon density of states of Dy-161 in DyFeO ₃	SETO , Makoto
Studies on static and dynamic structures of metallic fluids in the supercritical region	TAMURA , Kozaburo
BL38B1	
Structural Analysis of Human Pancreatic-Type RNases	YAMADA , Hidenori
Crystallographic study on Crystathionine beta-synthase	HIROTSU , Shoko
X-ray crystal analysis of transcription activator protein PhoB for E.coli phosphate regulon	SHIRAKIHARA , Yasuo
Reaction mechanism Analysis of Macrophomate synthase	OSE , Toyoyuki
Crystallographic Study of Levodione Reductase	SOGABE , Satoshi
Analysis of Chemical State Change of Heavy Metals in Incineration Ash of Urban Refuse by Heat Treatment	TSUYUMOTO , Isao
X-ray Crystallographic Study of the Closed Form of Citrate Synthase from <i>Thermus thermophilus</i> HB8	MURAKAMI , Midori
X-ray Crystallographic Study of the Light-Harvesting Chlorophyll Protein Complex (LHC-II)from Pea Thylakoid Membranes	HINO , Tomoya
X-ray Crystallography of the L Intermediate of Bacteriorhodopsin	SAKAI , Keisuke
The Valence State in Yb metal under High Pressure	FUSE , Akinori
X-ray crystallography of substrate complex structure of Maltooligosyl trehalose synthase	MATSUURA , Yoshiki
Valence and local structure of Ba in Si and Ge clathrates	HIROSAWA , Ichiro
Local Structure Analysis of Ce and La promoted Rhodium Supported catalysts for Dry-reforming Reaction using <i>In-situ</i> XAFS	YOKOTA , Shigeru
XAFS studies of Valence and Local structure of Mn atoms in diluted magnetic semiconductors (Ga,Mn)N	SATO , Masugu
Application of in-situ XAFS for Understanding the Formation Mechanism of Nano-Cluster and Precipitation at Micro-alloyed Steel	WATANABE , Takashi

BL39XU

Giant 5d orbital magnetic moment of rare-earths	CHABOY , Jesus
Influence of anisotropy into the quadrupolar and dipolar contributions to XMCD	CHABOY , Jesus
X-ray fluorescence hologram recorded at 30 keV	HAYASHI , Kouichi
Microbeam Formation of Circularly Polarized Hard X-Rays	KAGOSHIMA , Yasushi
Study of Electronic States in 3d Transition-Metal Oxides MnO by Means of X-Ray Resonance Magnetic Scattering	NAMIKAWA , Kazumichi
Trial Use of A Super-Conducting Magnet in X-ray Magnetic Diffraction Measurements	ITO , Masahisa
XANES in a single motor neuron from patients with amyotrophic lateral sclerosis (ALS)	IDE , Ari
In-vivo and in-situ micro XRF analysis of living single neurons	IDE , Ari
XMCD Measurement under High-Pressure at Low Temperatures	MARUYAMA , Hiroshi
Pt L-Edge XMCD Spectrum in CoPt Thin-Films	MARUYAMA , Hiroshi
Specular and non-specular X-ray reflection from W/B ₄ C multilayers	SAKURAI , Kenji
X-ray fluorescence analysis and the mineral identification in microbial mats	HAGA , Nobuhiko
Magnetic Circular Dichroism of Fe K $\beta_{1,3}$ X-ray Emission Spectrum in Fe ₃ O ₄	KAWAMURA , Naomi
XMCD measurements of iron and nickel at K-edge under high pressure	ISHIMATSU , Naoki
Evolution of K α_{L1} /K $\alpha_{1,2}$ intensity's ratio for Zn	OURA , Masaki
XMCD of quadrupolar channel at the rare-earth L-edges	NAKAMURA , Tetsuya
X-ray magnetic circular dichroism in Fe ₃ O ₄ thin film	KOBAYASHI , Kenji
X-ray Fluorescence imaging with the chemical state selectivity using an energy tunable x-ray microprobe	HAYAKAWA , Shinjiro
Investigations of the role of the trace metallic elements in the human prostate cancers	SUGIMURA , Kazuro
Magnetic Structure of NiFe/SmCo Exchange Spring Magnet Films by Resonant Magnetic Scattering of Circularly Polarized X-rays	HOSOITO , Nobuyoshi

Analysis of Cadmium distribution on tissue sections of Itai-itai disease kidney	TAKAGAWA , Kiyoshi
Investigation of metal ion distribution in Parkinsonian substantia nigra	IDE , Ari
Element selective XMCD observation of magnetic annealing effect on Gd/Fe multilayers	TAKAGAKI , Masafumi
Orbital Contribution to Perpendicular Magnetization Anisotropy in CoPt Alloy Thin-Films probed by Pt L-Edge XMCD	MARUYAMA , Hiroshi
Metamagnetism in CeSb and Ce 5d-Electronic States	MARUYAMA , Hiroshi
XMCD under High Pressure in DyCo ₂ Laves Compound	MARUYAMA , Hiroshi
A measurement of the lattice constant of uranium telluride At the liquid-helium temperature	ITO , Masahisa
X-ray magnetic circular dichroism of LaCoO ₃ crystal: thermal excitation of electronic and spin states of cobalt atoms	KYOMEN , Toru
Investigation of Impurity Effect on High-temperature Weak Ferromagnetism in CaB ₆ and AlB ₂	KIMURA , Noriaki
Investigation of differentiation of mouse embryonic stem cells using SR microbeam	IDE , Ari
Characterization of individual environmental aerosol particles and fine water droplets using a x-ray microbeam	TOHNO , Susumu
Field dependence of XMCD signal in amorphous Gd ₆₅ Co ₃₅	NAKAI , Ikuo
Micro XAFS analyses for magnetite and related compounds in the teeth of Chiton	NUMAKO , Chiya
XMCD in the giant magnetoresistive compound Eu ₆ C ₆₀	ISHII , Kenji
Development of a polarized total-reflection XAFS method for the solution surface by fluorescence detection	TANIDA , Hajime
Study of Metamagnetic Transition in Heavy Fermion Systems CeRu ₂ Si ₂ using XMCD Experiments under Extreme Conditions	HONMA , Tetsuo
X-ray fluorescence analysis of Otoliths using hard x-ray micro-beam	TANIGUCHI , Masaki
Ti K-XAFS study on titania thin films	HAYASHI , Kouichi

Micro XAFS applications for trace characterization and preliminary examinations for magnetic contrast imaging HAYAKAWA , Shinjiro

BL40B2

Unfolding and refolding of protein under heating and cooling processes observed by wide-angle solution scattering HIRAI , Mitsuhiro

Multiple-isomorphous Replacement Analysis of Ultra-thin Membrane Protein Crystals with XAFS Measurements TOYOSHIMA , Chikashi

Structural analysis of bacterial transporter protein NAKAE , taiji

Structures of Hydration Clusters at Surface Charged Residues in Mutant Human Lysozymes TAKANO , Kazufumi

High-Resolution X-ray Crystal Structure Determination of HiPIP NOGI , Terukazu

X-ray Crystal Structure Determination of DNA photolyase KOMORI , Hirofumi

X-ray Crystal Structure Analysis of New Alkaline Serine Protease NONAKA , Tsuyoshi

X-ray Crystal Structure Analysis of Aldehyde Reductase KITA , Akiko

X-ray Crystal Structure Analysis of Oxidative Response Regulation Protein WATANABE , Satoshi

Complete record of X-ray fiber diffraction pattern of the bacterial flagellar filament HASEGAWA , Kazuya

Crystallographic analysis of haem-binding protein TAME , Jeremy R .

X-ray Crystal Analysis of γ sub-complex of F₁-ATPase from a Thermophilic bacterium SHIRAKIHARA , Yasuo

X-ray crystal analysis of repressor protein CamR that controls transcription of Camphor decomposing operon SHIRAKIHARA , Yasuo

Structure Analyses of Collagen Model Peptide $(Xaa-Yaa-Gly)_n$ OKUYAMA , Kenji

X-ray Fiber Diffraction Measurements of Native Collagen Fiber Obtained from Kangaroo and Wallaby Tail Tendon OKUYAMA , Kenji

X-ray Fiber Diffraction Measurements of Tendon Chitosan and Its Complexes NOGUCHI , Keiichi

X-ray Fiber Diffraction Measurements of Biodegradable Aliphatic Polyesters NOGUCHI , Keiichi

Mechanism of catalytic reaction by yeast VMA1 endonuclease	MIZUTANI , Ryuta
Small-Angle X-ray Scattering from a Novel Poly(C)/Schizophyllan Complex	SAKURAI , Kazuo
Crystal Structure Analysis of Ribonuclease MC1N71T Mutant at Ultra-high Resolution	SUZUKI , Akio
Structural determination of TBP-interacting protein from <i>Pyrococcus kodakaraensis</i> using MAD methods	KAI , Ysushi
Structural analysis of phosphoenolpyruvate carboxylases complexed with FBP	KAI , Ysushi
X-ray structure analysis of human hematopoietic prostaglandin D synthase complexed with a novel antiallergic drug , HQL79	KAI , Ysushi
Structural study on a reductisomerase from <i>Escherichia coli</i>	YAJIMA , Shunsuke
Structural Studies of human ssDNA Binding Protein , Translin	SUGIURA , Ikuko
Evaluation of the thermal vibration of proteins between 30-180K through crystal structure analyses at an atomic resolution	NAKASAKO , Masayoshi
High Resoluiton Structure of Bovine Milk Xanthine Dehydrogenase and Inhibitor Complexes	EGER , Bryan T .
Crystal structure analysis of human autocrine motility factor	TANAKA , Nobutada
X-ray fiber diffraction from well oriented sols of F-actin and Native Thin Filament	MAKINO , Kouji
Study on structural change of Prostaglandin D synthase induced by denaturants	INOUE , Katsuaki
Studies on the function of Chaperonin GroEL	INOUE , Katsuaki
Crystal structure analysis of reaction intermediates of LigAB , A protocatechuate 4,5-dioxygenase	TAKAHASHI , Yoshito
Crystal Structure Analysis of CbnR: a LysR-type transcription regulator protein	MURAOKA , Shin
Crystallographic study of wild and substrate complex structure of neopullulanase	MATSUURA , Yoshiki
Structural Studies of the Flavoprotein NADH Oxidase	MALLETT , T C .

Structural studies of nuclear transport proteins	LEE , Soo Jae
Crystal Structure Analysis of PDZ2 domain of FAP-1	TAMADA , Taro
X-ray Crystallographic Study of The Icosahedral Assembly of Light-Harvesting Chlorophyll a/b Protein Complex	HINO , Tomoya
Structural analysis on X-ray crystallography of catalase-peroxidase from <i>Haloarcula marismortui</i>	YAMADA , Yusuke
Crystallographic Studies of ORF3 Involved in the Assembly of Iron-sulfur Clusters	KAKUTA , Yoshimitsu
Conformational change of amyloid fibril formation-competent proteins at various solution environments by small-angle X-ray scattering	YAGI , Hisashi
Pressure-induced evolution of grains of bcc spheres in microphase-separated triblock copolymers	SAKURAI , Shinichi
Pressure-induced ordering and evolution of grains of bcc spheres in microphase-separated triblock copolymers	SAKURAI , Shinichi
A solution X-ray scattering study on the assembly of an integral membrane protein OmpF Porin	WATANABE , Yasushi
X-ray diffraction study on the structural change of firefly squid photoreceptor upon light illumination I	HAMANAKA , Toshiaki
Structural fluctuations and membrane undulations in complex fluids involving amphiphiles	TAKEDA , Takayoshi
Precise Measurements of x-ray solution scattering . Ribonucleases T1 and A and Bovine β -lactoglobulin	KOJIMA , Masaki
The x-ray crystallographic study of various DNAs which have noncanonical structure	OHISHI , Hirofumi
Determination of binding position of F-actin binding peptides on F-actin filament	ODA , Toshiro
The fiber diffraction experiment of the bacterial flagellar filament at BL40B2	HASEGAWA , Kazuya
Crystal structure analysis of ACC deaminase from hyperthermophilic archaeobacteria <i>Pyrococcus horikoshii</i> OT3	FUJINO , Aiko
The mechanism of thermo-stabilization of pyrrolidone carboxyl peptidase from hyperthermophile , <i>P.furiosus</i>	YUTANI , Katsuhide

X-ray diffraction study on the structural change of firefly squid photoreceptor upon light illumination II	HAMANAKA , Toshiaki
Evaluation of the thermal vibration of proteins between 30-180 K through crystal structure analyses at an atomic resolution	NAKASAKO , Masayoshi
Stoichiometry determination of the FliI-FliH complex by small angle X-ray scattering	HASEGAWA , Kazuya
X-ray structural study of the tetraspanin CD81 long extracellular loop complex with inhibitors	KITADOKORO , Kengo
2D small-angle X-ray scattering studies on mechanism of formation of giant grains of BCC superlattice for spherical microdomains of block copolymers under high pressure	SAKURAI , Shinichi
Improving the efficiency of fiber data collection by an improvement in the sample preparation method	HASEGAWA , Kazuya
An attempt on high resolution x-ray structural study of the stable form of the CO complex of [NiFe]hydrogenase at ultra-low temperature I	OGATA , Hideaki
Study on a Long-Distance Molecular Ordering in Macroscopic Supramolecular Aggregates in Solution	YAO , Hiroshi
Visualisation of the Lipid Bilayers in the Crystals of Membrane Proteins	TOYOSHIMA , Chikashi
Self-Assembly and Microstructure of Keratin Protein by Small-Angle X-ray Scattering	NAITO , Sachio
Analysis of amyloid fibril formation-competent proteins at various solution environments by small-angle X-ray scattering: a case of α -synuclein at 1.0M NaCl	YAGI , Hisashi
X-ray Fiber Diffraction Measurements of Tendon Chitosan and Its Complexes	NOGUCHI , Keiichi
X-ray Fiber Diffraction Measurements of Native Collagen Fiber Obtained from Kangaroo and Wallaby Tail Tendon	OKUYAMA , Kenji
Structure Analyses of Collagen Model Peptide ,(Xaa-Yaa-Gly)n	OKUYAMA , Kenji
A small-angle X-ray scattering study on the reassembly of an integral membrane protein OmpF Porin	WATANABE , Yasushi
The mechanism of thermo-stabilization of pyrrolidone carboxyl peptidase from hyperthermophile , <i>P.furiosus</i>	YUTANI , Katsuhide

Topological mechanism of nucleation of polymers by means of SAXS	HIKOSAKA , Masamichi
Small Angle X-ray Scattering of Chaperonin GroEL	INOUE , Katsuaki
Study on structural change of Prostaglandin D synthase with small angle X-ray scattering	INOUE , Katsuaki
X-ray fiber diffraction from well oriented sols of F-actin and Native Thin Filament	MAKINO , Kouji
Crystal Structure Analysis of Glycerol-3-Phosphate Acyltransferase (GPAT)	TAMADA , Taro
High resolution analysis of the inhibitor PGD-042 bound human hematopoietic prostaglandin D synthase	KAI , Yasushi
Crystal Structure Analysis of CbnR: a LysR-type transcription regulator protein	MURAOKA , Shin
Crystal structure analysis of an autoregulator-receptor protein in <i>Streptomyces</i> species	NATSUME , Ryo
The effects of small dopant on the structural relaxation in SiO ₂ glass II , Study on density fluctuation by small angle X-ray scattering	WATANABE , Tomohiro
High resolution X-ray crystal structure analysis of <i>Bacillus subtilis</i> lipase	KONDO , Hidemasa
Crystal structure analysis of lectin from algae	KATAYANAGI , Katsuo
Solution Structure and Hydration States of Proteins by Precise Analysis of X-ray Scattering Profiles in Wide Q-range	SEKI , Yasutaka
Structural analysis of non-liganded ribulose-1,5-bisphosphate carboxylase/oxygenase from <i>Chlamydomonas</i>	KAI , Yasushi
Structural analysis of bacterial transporter protein	NAKAE , Taiji
X-ray Crystal Structure Analysis of a Novel Type of α -Amylase	NONAKA , Tsuyoshi
Structural analysis of photoactive yellow protein by <i>ab initio</i> structure prediction using small angle x-ray scattering	KAMIKUBO , Hironari
X-ray Diffraction Studies on Intact and Delipidated Insect Cuticle: Architecture and Assembly of the Cuticular Protein and Polysaccharide	KATAGIRI , Chihiro
Data Collection and Initial Phase Determination of m-Hydroxybenzoate 4-Hydroxylase from <i>Comamonas testosteroni</i>	HIROMOTO , Takeshi

Structural studies of the oxygen-binding site in copper amine oxidase from <i>Arthrobacter globiformis</i>	KIM , Misa
Elucidation of the recognition mechanism of Rho kinase by structural analysis at an atomic resolution	OKADA , Kengo
Crystallographic study of wild and substrate complex structure of neopullulanase	MATSUURA , Yoshiaki
Crystal Structures of Reaction Intermediates and Inhibitor Complexes of Bovine Milk Xanthine Dehydrogenase	EGER , Bryan T .
Initial stage of amyloid fibril formation of apomyoglobin observed by wide-angle X-ray scattering	HIRAI , Mitsuhiro
Anomalous Small-angle Scattering of Zr-based Metallic Glass Materials under Inhomogeneous External Conditions	OKUDA , Hiroshi
Application of X-ray powder diffraction to protein crystallography	MIURA , Keiko
The pressure effect on the structure of the lipid membrane in the DPPC/H ₂ O/CaCl ₂ system	YAMADA , Norifumi
Solution Structure and Hydration States of Proteins by Precise Analysis of X-ray Scattering Profiles in the Wide Q-range	SEKI , Yasutaka
A Conventional Phasing Technique in Protein Crystallography by Rb or Br soaking crystals with use of Multiple-wavelength Anomalous Diffraction (MAD)data	MORIMOTO , Yukio
Conformational Change Detection of Amyloid Fibril Formation-Competent Protein GroES at Various Solution Environments by Small-Angle X-Ray Scattering	IKEDA , Mitsuyoshi
Experimental Proof of Nucleation in Induction Period of Polymer System	HIKOSAKA , Masamichi
X-ray crystallographic analyses of the reaction intermediates of the heme degradation enzyme	FUKUYAMA , Keiichi
BL40XU	
Single Molecular Detection using Quasi-White X-rays	SASAKI , Yuji
X-ray diffraction study of bacteriorhodopsin in micro-second time region	OKA , Toshihiko
Two-dimensional X-ray diffraction pattern from living mammalian skeletal muscle: Effect of quick release	IWAMOTO , Hiroyuki

X-ray Fluorescence Imaging on High Flux Beamline	ITOU , Masayoshi
Orientation and structure of crystallized PBSU/PVDCVC blend investigated with scanning micro-beam SAXS	NOZUE , Yoshinobu
Wavelength-dispersive total reflection x-ray fluorescence of ultra low concentration elements with its chemical states	AWAJI , Naoki
Chemical effects observed in Mn K α fluorescence spectra	EBA , Hiromi
Time-resolved protein crystallography with high-flux quasi-monochromatic X-rays	ADACHI , Shin-ichi
Structural Changes of Myofilaments during Muscle Shortening	YAGI , Naoto
Structural Changes in the Early Phase of Contraction in Frog Skeletal Muscle	YAGI , Naoto
Observation of Dynamic Speckle at Low Temperature using High Flux Beamline	YAGI , Naoto
X-ray diffraction of beating heart in situ	MORI , Hidezo
Axial Spacing Changes in Myosin Filaments During Shortening of Frog Skeletal Muscle	YAGI , Naoto
An Intensity Change of the Troponin Meridional Reflection in the Early Phase of Contraction of Frog Skeletal Muscle	YAGI , Naoto
Measurement of Absolute Spectral Flux of Intense X-Ray Beam from BL40XU Undulator using Helium Gas Scattering Spectrometer	ITOH , Taku
Further Downsizing of Johansson X-ray Fluorescence Spectrometer	SAKURAI , Kenji
Development of the techniques for ultrahigh-speed time-resolved measurement of the structural changes of contractile proteins induced by the flash photolysis of caged compounds	WAKAYAMA , Jun'ichi
R&D of the suitable optics and conditions for small angle X-ray scattering measurement at BL40XU	INOUE , Katsuaki
Millisecond time-resolved X-ray diffraction study on bacteriorhodopsin with a fast CCD camera	OKA , Toshihiko
Micro-second time-resolved X-ray diffraction study on photoactive hydrogen ion pump , bacteriorhodopsin	OKA , Toshihiko
X-ray Diffraction from a Whole Heart	KAJIYA , Fumihiko

X-ray Fluorescence Imaging on High Flux Beamline	ITOU , Masayoshi
Time-resolved protein crystallography with high-flux quasi-monochromatic x-rays	ADACHI , Shin-ichi
BL41XU	
X-ray Crystallographic Study of Agglutinin , Arginase and Cardiotoxin I-IV	MOSTAFA , Golam
Ultra-High Resolution X-ray Structure Analysis of [NiFe]hydrogenase	OGATA , Hideaki
X-ray Crystallography of Ultra-thin Membrane Protein Crystals	TOYOSHIMA , Chikashi
Crystal structure analysis of γ -glutamylcysteine synthetase from <i>Escherichia coli</i> B	HIBI , Takao
Activation Mechanism of Tryptophan Synthase Complex	YUTANI , Katsuhide
Structural Analysis of The Muscle Regulatory Protein Complex by X-ray Crystallography	TAKEDA , Soichi
Crystal Structure Analysis at Atomic Resolution of Photosystem II Complex	SHEN , Jian-Ren
Phase Extension for Photosystem Complex by Multiple Isomorphous Replacement with Optimized Anomalous Scattering on Manganese	KAMIYA , Nobuo
X-ray Crystallographic Studies of V-type Proton-ATPase	NUMOTO , Nobutaka
Crystallographic study of a 32K fragment of flagellar hook protein	IMADA , Katsumi
High Resolution X-Ray Analysis of Peroxidase in Complex with Substrate Analog/Inhibitor	FUKUYAMA , Keiichi
X-ray Crystallographic Analyses of Bovine Rhodopsin and its Early Photo-Intermediates	OKADA , Tetsuji
X-ray Crystallography of RdxA , a nitroreductase from <i>Helicobacter pylori</i>	LEE , Woo Cheol
Structural analysis of the calcium binding protein MRP14 by X-ray crystallography	ITO , Hiroshi
Crystal structure analysis of monomeric isocitrate dehydrogenase	YASUTAKE , Yoshiaki

Crystal Structure Analysis of Ribonuclease MC1 Complexed with Substrate Analog at Ultra-high Resolution	SUZUKI , Akio
Structural analysis of dehydroascorbate reductase from spinach chloroplast	KAI , Yasushi
Crystallographic Study of the Protein Complex of Human FEN-1 and PCNA	OKADA , Kengo
Crystallographic Study of the Protein Complex of Sigma Factor and Anti-Sigma Factor	OKADA , Kengo
High-resolution X-ray Crystallographic Analysis on Topomodulin C-terminal Domain	KRIEGER , Inna
High Resolution X-ray Crystal Structure Analysis of Nitrite Hydratase	KAWANO , Yoshiaki
X-ray crystal structure analysis of tyrosine kinase	OGAWA , Akira
Investigation of Photo-Activation Process of Nitrite Hydratase Crystallized into a New Crystal Form	KAWANO , Yoshiaki
Crystal Structure Analysis of Glycerol- 3-Phosphate Acyltransferase (GPAT)	TAMADA , Taro
X-ray Crystallographic Study of the Closed Form of Citrate Synthase from <i>Thermus thermophilus</i> HB8	MURAKAMI , Midori
X-ray Crystallographic Study of Light-Harvesting Chlorophyll a/b Protein Complex	HINO , Tomoya
X-ray crystallographic study of bacteriorhodopsin's reaction intermediates at low temperature	SAKAI , Keisuke
Structure determination of the catalytic region of the human complement component , C1r	KARDOS , Jozsef
Structural Biology of Signal Transduction Molecules	TSUJISHITA , Yosuke
X-ray crystallography of human DNA homologous recombination protein , Rad52 , and its complex with single-stranded DNA	NUREKI , Osamu
X-ray crystallography of the complex of SeqA , a negative regulator of replication , and a hemimethylated DNA	NUREKI , Osamu
X-ray crystallography of the complex of epidermal growth factor (EGF) and EGF receptor	NUREKI , Osamu

X-ray crystallography of the complex of centromeric Abp1 protein and its target DNA	NUREKI , Osamu
Crystallographic analysis of Archaeal-type class-I lysyl-tRNA synthetase	NUREKI , Osamu
X-ray crystallography of the cell surface antigen CD38 complexed with ganglioside	NUREKI , Osamu
X-ray crystallographic study of DNA primase from hyperthermophilic archaeon	NUREKI , Osamu
X-ray crystallography of <i>Pyrococcus horikoshii</i> tRNA-guanine transglycosylase	NUREKI , Osamu
X-ray crystallography of <i>archaeal</i> tRNA methyltransferase (SpoU)	NUREKI , Osamu
Structure determination of sodium-translocating ATPase from <i>Enterococcus hirae</i>	YAMATO , Ichiro
Protein Crystallography by MAD Method Using Xe or Cs	TAKEDA , Kazuki
Preliminary X-ray analysis of urate oxidase from <i>Bacillus sp</i>	HIBI , Takao
X-ray crystallography of the complex of SeqA , a negative regulator of replication , and a hemimethylated DNA	NUREKI , Osamu
A Phasing Trial applied on the High Resolution X-ray Data from a FMN-binding protein by a Single Anomalous Dispersion(SAD)method with Sulfur atoms	MORIMOTO , Yukio
Crystal structure analysis of RecJ protein by MAD method	FUKUYAMA , Keiichi
Crystal Structure Analysis of Diol Dehydratase-Cyanocobalamin Complex Crystallized in the Absence of Substrate	TORAYA , Tetsuo
Crystal Structure Analysis of Diol Dehydratase-Cyanocobalamin Complexes in the Presence of Optically Active Substrates	TORAYA , Tetsuo
Crystal Structure Analysis of Glycosyltrehalose-hydrolyzing α -amylase from the Hyperthermophilic Archaeum <i>Sulfolobus Solfataricus</i> KM1	TAMADA , Taro
Crystal Structure of Enzyme-Substrate Intermediate of T26E Mutant T4 Phage Lysozyme Determined at 1.35 Resolution	IKURA , Teikichi
Crystal Structure Analysis of glycosyltrehalose-synthase(GTase)from hyperthermophilic archaea in Sulfolobales	TAMADA , Taro

Molecular Conversion of Ovalbumin to Allow a Serpin Conformational Change by Mutation R339T at P14 Site	YAMASAKI , Masayuki
Preliminary X-ray diffraction studies of triflin , a potent voltage-gated Ca ²⁺ channel blocker derived from the venom of Habu snake	HIROTSU , Shoko
X-ray diffraction studies blood coagulation factor IX gla domain complexed with its binding protein	SHIKAMOTO , Yasuo
X-ray Crystallographic Analyses of Bovine Rhodopsin and Its Early Photo-Intermediates	OKADA , Tetsuji
Elucidation of the regulatory mechanism based on the crystal structures of <i>rat</i> GTP-CH-I and GFRP	OKADA , Kengo
X-ray Crystallographic Study of acyl-CoA Oxidase	HIROTSU , Ken
X-ray Crystallographic study of Serine Racemase	GOTO , Masaru
Protein Crystallography by MAD Method Using 35keV X-Rays	TAKEDA , Kazuki
Identification of hydrogen atoms of protein at a low temperature	IWAHORI , Fumihiro
Protein Crystallography by MAD Method Using Xe or Cs	TAKEDA , Kazuki
Replacement of the Mn-cluster in the Photosystem II Complex by Os	SHEN , Jian-Ren
Crystallographic study on the initial stage in the photo-reactivation of nitrile hydratase	NAKASAKO , Masayoshi
Structure determination of sodium-translocating ATPase from <i>Enterococcus hirae</i>	YAMATO , Ichiro
X-Ray Crystallographic Analysis of ORF3 Protein Involved in the Assembly of Iron-Sulfur Clusters	KAKUTA , Yoshimitsu
X-Ray Crystallographic Analysis of DNA Repair Enzyme RecJ Protein	FUKUYAMA , Keiichi
Evaluation of X-radiation damage of protein crystals at 30K	NAKASAKO , Masayoshi
X-ray Crystallography of the Calicum Pump of Sarcoplasmic Reticulum	TOYOSHIMA , Chikashi
X-ray crystallography of human DNA homologous recombination protein , Rad52 , and its complex with single-stranded DNA	NUREKI , Osamu
X-ray crystallography of the complex of SeqA , a negative regulator of replication , and a hemi-methylated DNA	NUREKI , Osamu

X-ray crystallography of the complex of epidermal growth factor (EGF) and EGF receptor	NUREKI , Osamu
X-ray crystallography of the complex of centromeric Abp1 protein and its target DNA	NUREKI , Osamu
X-ray crystallography of the cell surface antigen CD38 complexed with ganglioside	NUREKI , Osamu
X-ray crystallography of <i>Pyrococcus horikoshii</i> tRNA-guanine transglycosylase	NUREKI , Osamu
X-ray crystallography of <i>archaeal</i> tRNA methyltransferase(SpoU)	NUREKI , Osamu
Crystallographic analysis of Archaeal-type class-I lysyl-tRNA synthetase	NUREKI , Osamu
X-ray crystallographic study of class-III cysteinyl-tRNA synthetase from archaea	NUREKI , Osamu
Structural analysis of troponin-tropomyosin complex	TAKEDA , Soichi
X-ray Crystallographic Study of Argininosuccinate Synthetase	GOTO , Masaru
Structural Biology of Rotational Catalysis of F1-ATPase: Effect of Mg-Nucleotides on the Mechanism	SHIRAKIHARA , Yasuo
Crystallographic study of metapyrocatechase from an extreme thermophile , <i>Thermus thermophilus</i> HB8	MAEGAWA , Yuki
Catalytic activity analysis of novel protein PH0054 from hyperthermophilic archaeobacteria <i>Pyrococcus horikoshii</i> OT3	FUJINO , Aiko
Studies on the mechanisms in halophilic adaptation of salt-tolerant glutaminase	MORIGUCHI , Mitsuaki
High-Resolution Crystal Structure Analysis of Photoreactive Nitlile Hydratase-substrate analoge	KAWANO , Yoshiaki
Elucidation of Dynamic Process of Nitlile Hydratase by Time-Resolved X-ray Crystallography	KAWANO , Yoshiaki
Crystal Structure Analysis of glycosyltrehalose-syntase(GTase)from hyperthermophilic archaea in Sulfolobales	TAMADA , Taro
Crystal Structure Analysis of G-CSF/G-CSF receptor	TAMADA , Taro
The Structure determination of S-ovalbumin , the stabilized form of ovalbumin by alkaline treatment	YAMASAKI , Masayuki

X-ray Crystallographic Study of the Vesicular Assemblies of Membrane Proteins	HORIGOME , Akifumi
Structure analysis of pectate lyase PL47 at high resolution	NAKANIWA , Tetsuko
Structural analysis of high carbon dioxide fixation and open/closed mechanism of the active site in <i>G.partita</i> RuBisCO	KAI , Yasushi
Crystallographic Studies of LolB by MAD Method Using Xe or Cs	TAKEDA , Kazuki
Determination of the 3D structure of adenosylcobalamin-dependent glycerol dehydratase	TORAYA , Tetsuo
Structural analysis of Rho-kinase with PH domain(RhoBD-PH)	OKADA , Kengo
Structural analysis of the Rho-binding domain of Rho kinase(RhoBD-135)	OKADA , Kengo
Structural studies on the protein complex,human PCNA and FEN-1,in DNA replication	OKADA , Kengo
Study on the catalytic mechanism of the reductoisomerase from <i>Escherichia coli</i>	YAJIMA , Shunsuke
Crystal structure analysis of urate oxidase from <i>Bacillus sp</i>	HIBI , Takao
X-ray Crystallographic Studies on Activation Mechanism of Rhodopsin	OKADA , Tetsuji
Improvement of Resolution of Photosystem II Crystals and Its Structure Analysis	SHEN , Jian-Ren
The X-ray crystallographic study of long stem Z-DNA using the synchrotron radiation	OHISHI , Hirofumi
MAD data collection of SeMet derivative for structural analysis of Intein II from hyperhemophilic archaeon	INOUE , Tsuyoshi
Studies of MAD method using Mn-atoms as anomalous scatterers	YASUTAKE , Yoshiaki
Protein crystallographic study of a 32K fragment of flagellar hook protein	IMADA , Katsumi
X-ray crystallography of POIA1 in complex with subtilisin BPN'	TANOKURA , Masaru
Protein crystallographic study of a 26K fragment of flagellar HAP3 protein	IMADA , Katsumi
Atomic resolution X-ray studies on functional hydrogen bonds of plant-type ferredoxins	KURISU , Genji

Covalent-bond reaction intermediate analysis of ACC deaminase	OSE , Toyoyuki
Protein crystallographic study of a 32K fragment of the flagellar hook protein(H32)and a 26K fragment of the flagellar HAP3 protein(FL26)	IMADA , Katsumi
Structural analysis of troponin-tropomyosin complex	TAKEDA , Soichi
BL43IR	
Infrared Spectral Analysis of Coals	KAIHARA , Mikio
IR absorption spectra of minerals under high temperature and high pressure with DAC	SHINODA , Keiji
SR-IR microspectroscopy of melts , glasses and fluids in Earth forming material science	KAWAMOTO , Tatsuhiko
Preparations for time-resolved experiments using synchronized psec pulsed laser and infrared SR at BL43IR	OKAMURA , Hidekazu
Laser-excited , time-resolved infrared spectroscopy of GaAs quantum wells	OKAMURA , Hidekazu
Optical Study on Metal-Insulator-Superconductor Transition of k - $(\text{BEDT-TTF})_x\text{Cu}[\text{N}(\text{CN})_2]\text{Br}$	KIMURA , Shin-ichi
Evaluation of magneto-optical station at BL43IR	KIMURA , Shin-ichi
Evaluation of BL43IR surface science station for IRAS study	MORIWAKI , Taro
Determination of the temperature dependence of the low temperature diamond-anvil cell for infrared-microscope	KONDO , Yasuhiro
Development of high-resolution transient IR-absorption spectroscopy in slow time region	NAKAMURA , Toshiki
Measurements of the Time Resolved Distribution Spectra of CN-Vibrational Excited Levels in Halide Crystals with Synchronized Laser-SR Excitation	NAKAGAWA , Hideyuki
Construction of the Absorption and Reflection Spectroscopy Station at Infrared Materials Science Beamline BL43IR	FUKUI , Kazutoshi
Infrared spectroscopy on the lattice vibrations in molybdenum oxides Mo_8O_{23} and Mo_9O_{26}	NEGISHI , Hiroshi
Re-adjustment of Optics in infrared-microscope under high pressure and application to observation of phase change on electronic properties of CuIr_2Se_4	CHEN , Lin

Infrared Spectroscopy of Black P under High-Pressure	AKAHAMA , Yuichi
Industrial applications of Micro-infrared Spectroscopy	NAGAI , Naoto
Development of Surface Vibrational Spectroscopy using Synchrotron Radiation and Electron Spectroscopy Techniques	SAKURAI , Makoto
Application techniques and measurements of a disease tissue to FT-IR microscopy	MIYOSHI , Norio
Modification and re-adjustment of Optics of IR microscope	MATSUNAMI , Masaharu
Electronic Structure of CeSb in the Magnetically Ordered States at Low Temperatures under High Magnetic Fields	KIMURA , Shin-ichi
Improvement of a beam transport at the infrared beamline BL431R	OKAMURA , Hidekazu
Reflective SR-IR microspectroscopy of silicate melts , glasses and fluids	KAWAMOTO , Tatsuhiko
Reduction of the Noise Due to Fluctuation of the Synchrotron Radiation at BL431R	HIRONO , Toko
Infrared Microoptical Spectroscopy of Silicon Clathrate	IKEMOTO , Yuka
Optical Study of Li under high pressure	MORI , Yoshihisa
IR absorption spectra of quartz under high temperature and high pressure with HTDAC	SHINODA , Keiji
Time-resolved far-infrared spectroscopy of semiconductor quantum wells	OKAMURA , Hidekazu
Time-resolved spectroscopy using SR and pulsed laser in the far-infrared region	OKAMURA , Hidekazu
Infrared microspectroscopic study of photo-induced phase transition in spin-crossover complexes	OKAMURA , Hidekazu
Far-infrared and Near-infrared Reflectance Spectra of Nitride Semiconductors	FUKUI , Kazutoshi
FTIR spectroscopy of organic Thin Films using Synchrotron Radiation	YOKOYAMA , Shiyoshi
IR Spectroscopy on Pressure-Induced Band Overlapped Metallization of Black P	AKAHAMA , Yuichi
Spatial Resolution of Magneto-Optical Imaging Station at BL431R	KIMURA , Shin-ichi

Magnetic phase diagram and phase separation of $Ce_{1-x}La_xSb$ ($x=0,0.1$) studied by infrared magneto-optical spectromicroscopy	KIMURA , Shin-ichi
Modification of optics in infrared microscope and its final adjustment	MATSUNAMI , Masaharu
Development of infrared microscope under high pressure and its application to spectroscopy on electronic phase transition of $CuIr_2Se_4$	MATSUNAMI , Masaharu
Development of Surface Vibrational Spectroscopy using Synchrotron Radiation and Electron Spectroscopy Techniques	SAKURAI , Sakurai
The Photoreaction of Photoreceptor Protein in the Crystal	IMAMOTO , Yasushi
Vibration Modes in Halogen-Etching Process of Silicon Surface Observed by Means of Infrared Reflection Absorption Spectroscopy	TANAKA , Masatoshi
Study in technique for transient and high-resolution infrared absorption spectroscopy in slow time region	KONDO , Yasuhiro
Industrial applications of Micro-infrared Spectroscopy	NAGAI , Naoto
Characterization of molecular orientation of rubbed polyimide film by dichroism in microscopic infrared spectroscopy	HIROSAWA , Ichiro
Laser excitation and time-resolved infrared spectroscopy of molybdenum oxides	NEGISHI , Hiroshi
SR-IR microspectroscopy of micro fluid inclusions in natural diamonds	KAWAMOTO , Tatsuhiko
Measurements and Analyses of High Resolution Vibration Spectra on CN^- ions Doped in Layered Ionic Crystals	NAKAGAWA , Hideyuki
Spectroscopic Analysis of Salivary and Kidney Stones by FTIR Microscopy	MIYOSHI , Norio

BL44B2

Dynamics of Individual Specific Sites in Actin Filaments	SASAKI , Yuji
Real-time Observations of Conformational Changes in Single Units of Protein Membranes	SASAKI , Yuji

BL45XU

Relationship between X-ray Diffraction and Sarcomere Length in Rat Cardiac Muscle	SUGA , Hiroyuki
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X-ray diffraction studies on the structural changes of smooth muscle myosin subfragment-1 diffused into single skeletal muscle fibers:Effect of removal and exchange of regulatory light chain	IWAMOTO , Hiroyuki
X-ray diffraction pattern from suspension of flagellar axonemes from a green alga , <i>Chlamydomonas reinhardtii</i>	IWAMOTO , Hiroyuki
Sizing of the human dihydrolipoyl acetyltransferase and its complexes	ROCHE , Thomas E .
Thermal Phase behavior and Microscopic Structure of Cornea	ANNAKA , Masahiko
Structural changes induced by calcium ions on stretched skinned fibers of skeletal muscle at rigor condition	TAKEMORI , Shigeru
Characterization of the Folding Processes of Ribonuclease A and Apomyoglobin Using Small Angle X-ray Scattering and Fast Solution Mixer	TAKAHASHI , Satoshi
Hierarchic Super-Molecular Structures in Sugar-Integrated Organogelators Explored with Synchrotron Small-Angle X-ray Scattering	SAKURAI , Kazuo
Structure formation of oriented polymers in the early stage of crystallization	FUKAO , Koji
Study on creation of a mesoscopically anisotropic dehydrated gel	SUGIYAMA , Masaaki
Investigation of Structure for Nylon 6 and Other Hydrophilic Polymers on Iodine Doping	KAWAGUCHI , Akio
Study on dynamics of crystallization in polymeric liquids induced by pressure jump	TAKENAKA , Mikihiro
Small angle X-ray scattering of the spasmin solutions in the presence and the absence of free calcium ions	ASAI , Hiroshi
An X-ray Diffraction Study on Right Ventricular Papillary Muscles of Mouse	KAJIYA , Fumihiko
Time-resolved 2D small-angle X-ray scattering studies on mechanism of formation of giant grains of BCC superlattice for spherical microdomains of block copolymers under high pressure	SAKURAI , Shinichi
Ordering and structure formation from oriented glassy states of polymers	FUKAO , Koji
Structural Change in Crystalline Polymers near the melting point Examined by Small Angle X-ray Scattering	TODA , Akihiko
Kinetic SAXS Studies of Target Recognition by Calmodulin	IZUMI , Yoshinobu

Growth dynamics of polypropylene under a temperature gradient using a fine slit system	ASANO , Tsutomu
Small-angle x-ray scattering analysis of the shape changes of axonemal dynein	OIWA , Kazuhiro
X-ray diffraction studies on the structural changes of smooth muscle myosin subfragment-1 diffused into single skeletal muscle fibers: Diffusion to fibers from which endogenous myosin molecules have been extracted	IWAMOTO , Hiroyuki
Assessment of the radiation damage to hydrated biological specimens due to exposure with pinhole-generated X-ray microbeams	IWAMOTO , Hiroyuki
Time-resolved two-dimensional X-ray diffraction pattern recorded from tetanically contracting mammalian skeletal muscle	IWAMOTO , Hiroyuki
Study on dynamical hierarchical structures in diblock copolymer induced by pressure jump	TAKENAKA , Mikihiro
Mechanism of Polymeration of Fluorescent Phospholipid Assembly in Non-polar Solvent by SAXS Method	WANG , Jinye
Study on Formation Mechanism of Nano-scale Ordered Structure of Silica	ADACHI , Motonari
Characterization of the Folding Processes of Apomyoglobin Using Small Angle X-ray Scattering and Fast Solution Mixer	TAKAHASHI , Satoshi
Effect of Incubation Time on the Lattice Spacing in Rat Cardiac Muscle	SUGA , Hiroyuki
X-ray diffraction of skeletal muscle specimens that are varied only in the overlapping distance of myofilaments	TAKEMORI , Shigeru
BL46XU	
Devil's flower case of isolated hydrogen-bonded compound, d-BrHPLN, at high pressure and low temperature?	KOMIYAMA , Satoshi
Pb L x-ray anisotropy in photoionization	YAMAOKA , Hitoshi
Study on orbital ordering and magnetism of perovskite Ti oxide SmTiO ₃ by X-ray magnetic scattering	KUBOTA , Masato
Measurements for rapid X-ray crystal structure analysis for micro samples using MSGC	OCHI , Atsuhiko
Observation of charge stripe order in La _{1.875} Ba _{0.075} Sr _{0.05} CuO ₄	KIMURA , Hiroyuki

Study on Critical Phenomena in Helical Magnet β -MnO ₂ Using X-Ray Magnetic Scattering	SATO , Hirohiko
High-resolution measurement of Au L x-ray angle-dependence in photoionization	YAMAOKA , Hitoshi
Observation of transverse modulation for charge stripe order in La _{1.875} Ba _{0.075} Sr _{0.05} CuO ₄	KIMURA , Hiroyuki
Resonant X-ray Scattering on Orbital Ordering in Mott Insulator Ca ₂ RuO ₄	KUBOTA , Masato
BL47XU	
Development of 3-Dimensional Microstructure Analysis for Multi-Phase Solidification Systems	YASUDA , Hideyuki
X-ray fluorescence holography of SiGe system	HAYASHI , Kouichi
Phase-Contrast X-ray Imaging using a Three-Beam Case X-ray Interferometer	YONEYAMA , Akio
An XTM study of three-dimensional microstructures of Antarctic micrometeorite collected by JARE 39th	TSUCHIYAMA , Akira
Development of a micro-area diffraction equipment with micro-pinholes for high energy monochromatic X-ray	HAGIYA , Kenji
Dynamic speckle Measurement using a Fresnel zone plate	SUZUKI , Takuya
The K x-ray emission spectra of argon and krypton	OURA , Masaki
Image contrast enhancement of periodic materials using dark field X-ray microscope (basic study for imaging domain structures)	KOHMURA , Yoshiki
Developments of an X-ray Raman scattering spectrometer to measure XAFS with high accuracy	HAYASHI , Hisashi
Search for water(fluid inclusions)in the early solar system using X-ray microtomography	TSUCHIYAMA , Akira
An XTM study of micro three-dimensional structures of Antarctic meteorites: especially about three-dimensional distribution of Fe using Fe-K adsorption	TSUCHIYAMA , Akira
Generation of an X-ray microbeam using a Kirkpatrick and Baez mirror system	HAYAKAWA , Shinjiro

Evaluation of sputtered-sliced circular grating as a condenser for quasi-Köhler illuminated x-ray imaging microscope	TAKANO , Hidekazu
Diffraction speckle measurements of oxide superconductors using FZP	SUZUKI , Takuya
Three dimensional structure of sulfide melt in peridotite matrix using X-ray microtomography	YOSHINO , Takashi
3D Analysis of Eutectic Network in Al ₂ O ₃ -YAG Systems	YASUDA , Hideyuki
XFH study on dilute system using cooled APD	HAYASHI , Kouichi

専用ビームライン
BL12B2

Beamline Optics and End Station Refinement	DU , Chao-Hung
In-Situ X-ray Absorption Spectroscopy studies the Growth and Formation Mechanisms of Bimetallic Nanoparticles in Microemulsion System	HWANG , Bing-Joe
n-Butane Isomerization on Metal Oxide Catalyst Supported on MCM-41 Mesoporous Molecular Sieve	WANG , JungHui
Electronic and atomic structures study of $Ba_xSr_{1-x}TiO_3$ by XAS spectroscopy	JAN , Jyh-Chyuan
Magnetic , XANES and EXAFS studies of $CeM\chi$ (M=Co,Pt,Y) alloys	CHANG , C . L .
The x-ray absorption spectroscopic study of the formation of PtRu alloy	CHAO , Kuei-jung
Anomalous x-ray scattering study of InGaN thin films and multi-quantum wells with different Indium concentration for atomic structural and chemical analysis	NOH , Do Young
Phase Determination of Charge-Density-Wave by X-ray Multiple-wave Interaction in a Quasi-two-dimensional Material $2H-NbSe_2$	DU , Chao-Hung
Structural Determination and Charge Density Studies Using Power X-ray Diffraction - A Feasibility Study	HSU , I-Jui
The commissioning of the protein crystallography end station at BL12B2	HUANG , Yu-Shan
The X-ray absorption spectroscopic study of the formation of PtRu alloy of PtRu alloy	CHAO , Kuei-jung
In-situ X-ray Absorption Spectroscopy studies the Growth and Formation Mechanisms of Ag-Pt Nanoclusters in Microemulsion System	HWANG , Bing-Joe
Fates of Cadmium Species in Contaminated Rice and Rice Farming Soils by EXAFS	LIN , Kuen-Song
The physical properties of NiAs-type magnetic semiconductors under high-pressure by ADX and EXAFS methods	LIN , Chih-Ming

BL15XU

The adjustment and the performance test of the beamline and experimental equipments	FUKUSHIMA , Sei
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The adjustment and the performance test of the beamline and experimental equipment
KITAMURA , Masaru

Characteristic reforming by the synchrotron radiation irradiation of the high-Tc superconductor
MIZUTANI , Takeshi

Development of low-temperature & high-resolution powder diffraction system at BL15XU and its application
IKEDA , Takuji

Hexagonal-orthorhombic transition of $\text{NaV}_6\text{O}_{11}$
KANKE , Yasushi

Crystal Structure Analysis of Hexagonal Diamond
SEKINE , Toshimori

The investigation of inner-shell excitation in heavy elements and 3d elements using third-generation synchrotron radiation
VLAICU , Aurel M .

BL16B2

Fluorescence XAFS Analysis of Some Industrial Materials Using Lytle Detector
DEGUCHI , Hiroshi

Local Structural Analysis of Perovskite Oxides for Solid Oxide Fuel Cells Using XAFS
YOSHIDA , Hiroyuki

XAFS Studies of Electrochemically Prepared $\text{Li}_{1-x}\text{Ni}_{1-y}\text{Co}_y\text{O}_2$
KOGA , Keizo

XAFS Analysis of Plasma Damage Induced in Oxide Thin Films During Deposition
WATANABE , Takashi

XAFS Study in $\text{In}_x\text{Ga}_{1-x}\text{N}/\text{GaN}$ multiple quantum wells
KOBAYASHI , Kenji

Structural Analysis for Manganese Ion in Organic Solvent by XAFS
OHZONO , Hiroshi

High-temperature XAFS Study on LaMnO_3 -related Materials for Fuel Cell
YAMAMOTO , Tohru

Basic Experiment of Heating Furnace for XAFS
WATANABE , Takashi

XAFS study of SiGe thin films
MIKAMI , Akira

Local structural study of TaO_x thin films
UEHARA , Yasushi

Fluorescence XAFS Study of Co-based Alloy Magnetic Thin Films
OKUDA , Nobuhiro

Absolute Measurement of the Energy of X-ray Absorption Edges intended for the region of 5-15keV
WATANABE , Takashi

Analysis of Microstructure of Artificially Synthesized Ferric Oxy-hydroxide Iron Rust and Zinc Rust by SR-XAFS
NAKAYAMA , Takenori

Local Structure Analysis of Titanium Oxide films by XAFS	TAKAHASHI , Mamoru
Structure Analysis of Silicate Films by X-Ray Reflectivity Measurements	OHMORI , Hirobumi
XAFS Studies of Erbium Doped Glass Fibers	HAGA , Koukichi
XAFS Study on Ni-Mn magnetic films	GONDA , Masayuki
XAFS measurement of nanometer thick iron oxide in GMR head	AWAJI , Naoki
XAFS study of manganese oxides	MIKAMI , Akira
XAFS Studies of Single Crystal GaN Substrates	HAGA , Koukichi
XAFS Study on Local Structure of Ce and Zr in Industrial Catalysts -3-	NAGAI , Yasutaka
Structural Analysis of GaInN/GaN Six-quantum Wells using X-ray Absorption Fine Structure Measurements	MIYAJIMA , Takao
Analysis of Surface Damaged Layer of Permalloy Films Deposited on Ceramic Substrates by Using X-ray Reflectivity Method	OGATA , Kiyoshi
Structure analyses of industrial materials by polarization-XAFS and X-ray reflectivity measurements	NONAKA , Takamasa
Detection Depth of the Total Electron Yield(TEY)XAFS	TAKAHASHI , Mamoru
Fluorescence XAFS Study of Co-based Alloy Magnetic Thin Films	OHSAWA , Michio
Ti K-edge XAFS Study on Ti Alloys	NONAKA , Takamasa
XAFS Study measurements of InGaN/GaN multiple quantum wells	KOBAYASHI , Kenji
XAFS Study on Ni-Mn-M magnetic films	GONDA , Masayuki
X-ray reflectivity of ultrathin gate oxide	AWAJI , Naoki
XAFS Study on Aging Behavior of Aluminum Alloys	WATANABE , Takashi
Structural Analysis for Titanic Acid by XAFS	OHZONO , Hiroshi
Analysis of Micro-structure and Chemical State of Hydrogen Absorbed Commercially Pure Titanium by SR-XAFS	NAKAYAMA , Takenori
Structural Analysis of GaInN film using X-ray Absorption Fine Structure Measurements	MIYAJIMA , Takao
Chemical environment analysis of the doped elements in optical fiber	IIHARA , Junji

XAFS Study of electrochemically lithiated SnO	MIYAKI , Yukio
XAFS study of metal elements in bituminous coal and the coal ash	YAMAMOTO , Tohru
XAFS Study on Local Structure of Ce and Zr In Industrial Catalysis -4-	NAGAI , Yasutaka
XAFS Study of Sn Films	MIKAMI , Akira
Applied research to thin film materials of reflection mode XAFS	WATANABE , Takashi
X-ray reflectivity study of SiO ₂ film on SiC	JIKIMOTO , Tamotsu
X-ray reflectivity study of silicon oxide thin films	KAWASE , Kazumasa
Local structural study of TaO _x thin films	UEHARA , Yasushi

BL16XU

In-Plane X-ray Diffraction of Co-based Magnetic Thin-Film Media	OHSAWA , Michio
Structural study of silicon and aluminum oxide thin films	UEHARA , Yasushi
Crystallographic characterization of Co Silicide films	NISHINO , Junichi
X-ray diffraction of Pb(Zr,Ti)O ₃ thin films	KIMURA , Shigeru
XAFS Study on Local Structure around Heme of Peroxidase(2)	NONAKA , Takamasa
Conversion He Ion Yield XAFS Study of Eu ₂ O ₃ using High Flux X-ray	OZAKI , Shinji
Structure Analysis of Amorphous Silicon Nitride Thin Films	YAMAGUCHI , Koji
X-ray reflectivity study of silicon insulator thin films	LIU , Kuang-Yu
Structure Analysis of Liquid Crystals by X-Ray Diffraction	OHMORI , Hirobumi
Characterization of LIGA-based Microstructure Using X-ray Diffraction	HAGA , Koukichi
Measurement of 0.2- μ m Resolution using Focused X-rays and Fluorescence Imaging of Fern Spores	HIRANO , Tatsumi
Observation of Crystallographic Orientations of Grains of Sub-micron Metal Line with an X-ray Microbeam	HIRANO , Tatsumi
Diffraction Image of Damascene Copper Interconnect Lines	HIRANO , Tatsumi
Chemical state analysis of silicon oxide thin films by XRF method	UEHARA , Yasushi

Chemical state analysis of implanted arsenic in silicon by a wavelength dispersive X-ray fluorescence spectrometer	TAKEMURA , Momoko
The Chemical State Analysis of Ti Compounds by Wavelength-Dispersive X-Ray Fluorescence	OZAKI , Shinji
Total Reflection X-ray Fluorescence Analysis of Cu thin films	NISHINO , Junichi
Quantitative and/or chemical state analysis of the trace elements in ceramics	IIHARA , Junji
Oxygen deficiency of Ta ₂ O ₅ films prepared under several conditions	AWAJI , Naoki
Fluorescence X-Ray Microscopy of IrO ₂ /PZT/Pt capacitors	NOMURA , Kenji
XAFS study of LiNiO ₂ in secondary batteries by using micro-beam X-ray	SENO , Yoshiki
X-ray diffraction analysis of Si thin films	MIKAMI , Akira
Internal Stress Analysis of Metal-Carbon Gradient Content Films by Grazing-incidence X-ray Diffraction	IWAMURA , Eiji
XAFS and XRD studies of Ti alloys	SENO , Yoshiki
Structural analysis of the interface between metal and polymer	YAMAGUCHI , Koji
Structure Analysis of Liquid Crystals by X-Ray Diffraction	OHMORI , Hirobumi
Structural study of gas adsorption effects in single-walled carbon nanotubes	TAKENOBU , Taishi
Powder X-ray diffraction study of LiMn _{1/2} Fe _{1/2} PO ₄	IWAKOSHI , Yasunobu
Analysis of Oxide Film formed on Ni Base Alloys in High Temperature Water	TERACHI , Takumi
Diffusion of lead in PZT films through top-electrode during annealing	NOMURA , Kenji
X-ray Fluorescence Analysis of Liquid Crystal	OGATA , Kiyoshi
Total Reflection X-ray Fluorescence Analysis of Si wafer	NISHINO , Junichi
Total Reflection X-Ray Fluorescence Analysis of Trace Elements by Energy-Dispersive Detectors and Wavelength-Dispersive Spectrometer	OZAKI , Shinji
Structural and chemical state study of aluminum nitride thin films	UEHARA , Yasushi
X-ray fluorescence depth profile of implanted arsenic in silicon	TAKEMURA , Momoko

Micro-analysis of Water-Tree in Cross-linked Polyethylene	YAMAZAKI , Takanori
Microscopic XRD experiments of 0.18 μ m Cu metal line	YAMAZAKI , Takanori
XAFS study of LiNiO ₂ in secondary batteries by using micro-beam X-ray -2-	SENO , Yoshiki
In-Plane X-ray Diffraction of Co-based Magnetic Thin-Film Media	OHSAWA , Michio
Characterization of GaN substrates by using micro-area x-ray diffraction	KOBAYASHI , Kenji
Crystallographic characterization of poly-Si thin films	NISHINO , Junichi
Crystallite Size and Strain Analysis of Multilayer Thin Films .	UEDA , Kazuhiro
Detection of X-ray-induced Current Using Scanning Tunneling Microscope	ISOMURA , Noritake
Transformation Behavior Analysis in Bulk of Steels by XRD	AKAMIZU , Hiroshi
XAFS Analysis of Some Industrial Materials by Wavelength-Dispersive X-ray fluorescence	OZAKI , Shinji

BL24XU

X-ray Crystallographic Study of <i>Klebsiella pneumoniae</i> Pullulanase	KATSUYA , Yoshio
Structure of m-bromobenzoyl gramicidin S and crystal habits of <i>N,N</i> -diacetylated analogues	HASEGAWA , Hiroshi
Determination of the 3D structure of a putative transcription factor (pot1216151) from a hyperthermophilic archaeon, <i>Pyrococcus</i> sp . OT ₃	KOIKE , Hideaki
Crystallographic analysis of proteins related to drug discovery	MISAKI , Shintarou
Crystallographic analysis of functional organic micro crystals	YANAGI , Kazunori
Crystallographic analysis of the complex of serine protease inhibitor	KOIZUMI , Masahiro
Structural Studies of human ssDNA Binding Protein, Translin	SUGIURA , Ikuko
Structure Analysis of Pyrolopyrol Derivatives with Microcrystals	KOJIMA , Yuko
Crystallographic analysis of proteins related to drug design	INAGAKI , Eiji
Structural studies of proteins related to disease I	SUZUKI , Kenji
Real time observation of surface morphology at nanometer scale with using x-ray specular reflection	KAWAMURA , Tomoaki

Structure Analysis of Thin Oxide Film formed on Fe-1.5% Mn Surface	NISHIO , Kozi
Measurement of Residual Stress in Thermal Barrier Coating with Different Plasma Spray Conditions	NISHIO , Kozi
X-ray Diffraction Analysis of Trace Forensic Samples	NINOMIYA , Toshio
Local lattice strain in Si crystals beneath the aluminium layer	MATSUI , Junji
Hard X-ray Phase-Contrast Microscope by Zernike's Method	KAGOSHIMA , Yasushi
Evaluation of SOI layer crystallinity by high-resolution X-ray microbeam diffractometry	TSUSAKA , Yoshiyuki
High Resolution X-ray Imaging Observation of Selected Structural Materials with Defects and Cracks by Un-symmetric Reflection Method	NAKAYAMA , Takenori
Open stripe width dependence of lattice strain in InGaAsP narrow-stripe selective MOVPE layers determined by high-resolution microbeam x-ray diffraction	KIMURA , Shigeru
Observation of Cu precipitates in Al-Cu interconnect lines by means of scanning x-ray microscopy	IZUMI , Kouichi
Micro-tomography using asymmetric reflections	TANI , Katsuhiko
Hard X-ray microbeam writing	ZHANG , Yanping
Study on appropriate imaging viewing fossil ----X-ray interferometry by illumination of two dimensional monochromatic beam from a Si asymmetric reflection	ANDO , Masami
X-Ray structure analysis of human initiation factor 4E in complex with cap analogues	TOMOO , Koji
Crystallographic analysis of proteins related to drug discovery	MISAKI , Shintarou
Crystallographic analysis of small organic crystals	YANAGI , Kazunori
Crystallographic analysis of the complex of serine protease inhibitor	KOIZUMI , Masahiro
Structural Studies of Alcohol Dehydrogenase from Cytophaga sp .	KONDO , Shin
X-ray crystallographic analysis of archaeal DNA sliding clamp mutants	MATSUMIYA , Shigeki
Crystallographic analysis of viral RNA polymerase related to drug design	MURASE , Ken
X-ray Crystal Structure Analysis of the Proteins Related to the Drugs	NAKANISHI , Isao

Structural studies of proteins related to disease I	SUZUKI , Kenji
Real-time monitoring of InGaP/GaAs(001) MOVPE growth	KAWAMURA , Tomoaki
In-situ measurement of Fe ₃ O ₄ -FeOOH transition of iron rust during wet - dry cyclic condition	NISHIO , Kozi
Measurement of Residual Stress in Silicon Nitride Ceramics	NISHIO , Kozi
Crystallite-orientation of AgInSbTe phase-change optical recording films	TANI , Katsuhiko
A New Method of X-Ray Refraction Imaging	INOUE , Naoyuki
High Resolution Hard X-Ray Imaging Microscope with Parallel Beam Illumination	KAGOSHIMA , Yasushi
Formation of an X-ray microbeam with a small angular divergence by a bent cylindrical mirror	TSUSAKA , Yoshiyuki
In-Situ Observation of Crack Propagation in Al Alloy under Tensile Stress by High Resolution X-Ray Imaging	NAKAYAMA , Takenori
XRD Studies of a freestanding FIELO-GaN substrate by using highly parallel synchrotron radiation x-ray microbeam	KOBAYASHI , Kenji
Distribution of lattice strain in InGaAsP narrow-stripe selective MOVPE layers determined by sub-mm spatial resolution microbeam x-ray diffraction	KIMURA , Shigeru
Study on appropriate imaging viewing fossil II ---X-ray imaging by illumination of two-dimensional monochromatic beam from a Si asymmetric reflection	ANDO , Masami
Trace Elemental Analysis of Abuse-Drugs Using SR-TXRF	NINOMIYA , Toshio
Structure determination of organic micro crystals	SUZUKI , Kenji

BL33LEP

Photo-production of Hadrons with a Laser-Electron Photon Beam	NAKANO , Takashi
Photo-production of Hadrons with a Laser-Electron Photon Beam	NAKANO , Takashi
The phi photo-production off the nuclei	ISHIKAWA , Takatsugu
Photoproduction of 2^{-0} with Nuclear Targets	MATSUMURA , Toru

BL44XU

Development of X-ray crystal structural analysis for biological macromolecular assemblies	YAMASHITA , Eiki
X-ray crystallographic analysis of cytochrome c oxidase	YOSHIKAWA , Shinya
Crystal Structure Analysis of Rice Dwarf Virus	NAKAGAWA , Atsushi
Three-dimensional structure determination of a testis specific oncoprotein	HONBOU , Kazuya
Verification of Okuyama model for collagen based on the structure analyses of model peptides (X-Y-Gly) _n	OKUYAMA , Kenji
Crystal structure analysis of new-type lectin from algae	KATAYANAGI , Katsuo
X-ray structure determination of restriction enzyme, <i>Eco</i> O109I	SATO , Mamoru
Crystal Structure Analysis of Photosystem Membrane-protein Complex	SHEN , Jian-Ren
Crystallographic analysis of Archaeal-type class I lysyl-tRNA synthetase	TERADA , Takaho
Structural analysis of bacterial transporter protein	NAKAE , taiji
Structure and function of chitinases	NONAKA , Takamasa
X-ray structural study of the reaction mechanism of [NiFe]hydrogenase	OGATA , Hideaki
Three-dimensional structure determination of Caf1-BTG family protein complex	HORIUCHI , Masataka
Analysis of the degradation mechanism of alginate in <i>Sphingomonas sp.</i> AI	MISHIMA , Yumiko
X-ray analysis of <i>Escherichia coli</i> Mut T protein by the MAD method	YAMAGATA , Yuriko
Structural analysis of Ferredoxin recognition mechanism of Ferredoxin-NADP ⁺ reductase	KURISU , Genji
X-ray structure determination of intein	KAI , Ysushi
Structural Study of <i>Thermoactinomyces vulgaris</i> R-47 α -Amylases and their Mutant Enzymes	KAMITORI , Shigehiro
X-ray crystallographic studies of Xenobiotic exporters, TetB	MURAKAMI , Satoshi
X-ray crystallography of super-molecular complex of eukaryotic aminoacyl-t RNA synthetase	NUREKI , Osamu

X-ray Crystal analysis of σ^{33} sub-complex of F1-ATPase from a thermophilic bacterium	SHIRAKIHARA , Yasuo
Elucidation of Structural Basis for Rotational Catalysis of F1-ATPase	SHIRAKIHARA , Yasuo
Crystallographic study of the protein complex of sigma factor (σ^{28}) and anti-sigma factor (FlgM)	OKADA , Kengo
Determination of X-ray crystal structure of tryptophan synthase α, β subunits and $\alpha_2\beta_2$ complex from hyperthermophile	YUTANI , Katsuhide
Reaction analysis of ACC deaminase	FUJINO , Aiko
Analysis of the molecular conversion of soybean 11S protein	NAOI , Yukie
Structural studies of nuclear transport proteins	LEE , Soo Jae
Diffraction Check and Data Collection of Diol-dehydratase Rubidium complex and Deuterium FMN-binding Protein	MORIMOTO , Yukio
Structural study on 2-Oxoacid Dehydrogenase Complexes	TAKENAKA , Akio
Development of X-ray crystal structural analysis for biological macromolecular assemblies	YAMASHITA , Eiki
X-ray crystallographic analysis of cytochrome c oxidase	YOSHIKAWA , Shinya
Crystal structure analysis of new-type lectin from algae	KATAYANAGI , Katsuo
X-ray crystal structure analysis of tyrosine kinase	OGAWA , Akira
X-Ray Diffraction by Cellulose Monofilament (<i>Ventricana Ventricosa</i>) BL44XU	TAKAHASHI , Yasuhiro
Crystallographic Study of the Dimerization Initiation Site of HIV-1 Genomic RNA, I	IKE , Kojiro
X-Ray analysis of structural changes during biogenesis of the topa quinone cofactor in copper amine oxidase	OKAJIMA , Toshihide
Crystallographic analysis of Archaeal-type class I lysyl-tRNA synthetase	TERADA , Takaho
Structural analysis of bacterial transporter protein	NAKAE , Taiji
X-ray structural study of the reaction mechanism of [NiFe] hydrogenase III	OGATA , Hideaki
Three-dimensional structure determination of Caf1-BTG family protein complex	HONBOU , Kazuya

Three-dimensional structure determination of a testis specific oncoprotein	HONBOU , Kazuya
Analysis of the degradation mechanism of alginate in <i>Sphingomonas</i> sp.A1	MISHIMA , Yumiko
Structure and Function of Supramacromolecular Molecular Chaperon	MIKI , Kunio
Diffraction check and Crystallographic study of High-molecular weight cytochrome c .	MORIMOTO , Yukio
X-ray analysis of <i>Escherichia coli</i> MutT protein by the MAD method	YAMAGATA , Yuriko
Crystallographic study of heme oxygenase	KAKUTA , Yoshimitsu
Structural analysis on Ferredoxin recognition mechanism of Ferredoxin-NADP ⁺ reductase	KURISU , Genji
Structural studies of protein kinases	SHIBATA , Naoki
X-ray crystallographic studies of Xenobiotic exporters,TetB	MURAKAMI , Satoshi
Crystallographic studies on the DNA recognition mechanism of the DNA-binding proteins	OKADA , Kengo
Crystallographic studies of IP ₃ receptor	MIKOSHIBA , Katsuhiko
X-ray structure analysis of anthocyanin pigment complexes	SHIONO , Masaaki
X-ray structure analysis of γ -adaptin ear domain	NOGI , Terukazu
Crystal Structure Analysis of Calcium Ion Pump	TOYOSHIMA , Chikashi
Crystallographic study and structure analyses for three kinds of mutants of the FMN-binding protein reveal a functional importance of L122 around the FMN	MORIMOTO , Yukio

インハウススタッフ利用

BL02B2

The structural change by spin transition of spin-crossover complexes[Fe (teec)₆](X)(X=BF₄ClO₄)

DOVA , Eva

BL04B2

High energy x-ray diffraction study of thin section sample mounted on the petrographic slide glass

UESUGI , Kentaro

BL12B2

Optimization and evaluation of protein crystallography end station for Microgravitorial and Industrial Proteomics with Synchrotron radiation , MIPS

SATO , Masaru

BL20B2

Development of synchronized scanning mechanism for observation of large specimen

MIZUNO , Kaoru

BL20XU

TEST EXPERIMENT OF ANGIOGRAPHY USING A MEDIUM-LENGTH UNDULATOR BEAMLIN

YAGI , Naoto

BL28B2

Assessment of a Homogeneous Incident Beam Using a Topographic Image of an Organic Crystal

KAJIWARA , Kentarou

BL38B1

Local Structure Analysis of Rhodium Supported Alumina for Dry-reforming Reaction using In-situ XAFS

YOKOTA , Shigeru

XAFS studies of Local Structure about Mn atoms in Diluted Magnetic Semiconductors(Ga,Mn)N

SATO , Masugu

Total Reflection XAFS at Aqueous Solution Surface by Fluorescence Technique

TANIDA , Hajime

Development of Quick Scan XAFS	TANIDA , Hajime
XAFS Analysis of Metalloproteins by the DV-X Method	KIKUCHI , Akihiro
Continuous Scanning of the Monochromator using Y1 Axis Speed Feedback	FURUKAWA , Yukito
Developments toward standardization of protein crystallography experimental station at bending-magnet beamlines	MORIYAMA , Hideaki
Rare Gas Mixtures Excited with Synchrotron Radiation X-ray Beam	SUZUKI , Masayo
High energy X-ray imaging with a YAP(Ce)detector	HIROTA , Katsuya
XAFS studies of Local Structure about Mn atoms in Diluted Magnetic Semiconductors(Ga,Mn)N at low temperature	SATO , Masugu
Measurement of the copper ion concentration for the front end cooling water using a total-reflection X-ray fluorescence technique	SANO , Mutsumi
Application of Fluorescence EXAFS to Diluted Mn Systems	TAKAHASI , Masamitsu
Development of beam intensity monitors for high-energetic monochromatic X-ray radiation	KISHI , Noriyuki
High-throughput SIR and MAD data collections of heavy atom derivative protein crystals	KUNISHIMA , Naoki
Development of data collection for the high-throughput crystal structure determination	KUNISHIMA , Naoki
XAFS Analysis of Metalloproteins by the DV-X α Method(2)	KIKUCHI , Akihiro
X-ray crystallographic analysis of fatty acid β -oxidation multienzyme complex	ISHIKAWA , Momoyo
Diffraction pattern observation on thermal barrier coating structure in high energy X-ray region with YAP(Ce)imager	HIROTA , Katsuya
Rare Gas Mixtures Excited with Synchrotron Radiation X-ray Beam	SUZUKI , Masayo
Development of Total-Reflection Fluorescence XAFS at Low Temperature at BL-38B1 and Its Application to the Study on La _{0.88} Sr _{0.12} CuO ₄ Single Crystal	MIZUKI , Jun'ichiro
R&D of XAFS Measurement of Copper-Containing Membrane-Protein by Total-Reflection Total-Electron-Yield Method	KIKUCHI , Akihiro
High-throughput SIR and MAD data collections of heavy atom derivative protein crystals	SHIROMIZU , Ikuya

Development of data collection for the high-throughput crystal structure determination SHIROMIZU , Ikuya

On the Flood Field Response of 128-channel Microstrip Germanium Detector SUZUKI , Masayo

Commissioning of Optics and Sample alignment for XAFS measurement applied to small size sample TANIDA , Hajime

X-ray crystallographic analysis of structure-specific nuclease NISHINO , Tatsuya

MAD Phasing of NaBr Short Soaking Volvatoxin A2 LIN , Su-Chang

High-throughput SIR and MAD data collections of heavy atom derivative protein crystals KUNISHIMA , Naoki

High energy and high counting rate X-ray imaging with a YAP(Ce) detector HIROTA , Katsuya

R&D of microXAFS Measurement on PX Stage TANIDA , Hajime

APPLICATION OF CMOS FLAT-PANEL DETECTOR TO PROTEIN CRYSTALLOGRAPHY YAGI , Naoto

X-ray fiber diffraction from well oriented sols of F-actin and Native Thin Filament MAKINO , Kouji

R&D of Micro Volume XAFS Measurement on PX stage KIKUCHI , Akihiro

X-ray crystallographic analysis of RuvAB complex structure TSUCHIYA , Daisuke

Rare Gas Mixtures Excited with Synchrotron Radiation X-ray Beam SUZUKI , Masayo

BL41XU

Structure analysis on retinochrome MORIYAMA , Hideaki

Three-dimensional structure determination of a new crystal form of Human Serum Albumin MORIYAMA , Hideaki

BL46XU

Does YMn_2O_5 shows Lattice Distortion under Magnetoelectric Active State? IKEDA , Naoshi

Observation of a charge-stripe-order in La-214 cuprates with 1/8 hole	MIZUMAKI , Masaichiro
Developments of beam intensity monitors for intense undulator X-ray radiation	NARIYAMA , Nobuteru
Low temperature crystal structure of hexagonal intermetallic compound TbPdAl	YOSHII , Kenji
Lattice distortion of $\text{La}_{0.5}\text{Sr}_{0.5}\text{MnO}_3$ thin films	OHSUMI , Hiroyuki

BL47XU

Development and evaluation of illumination devices for x-ray imaging microscope	TAKANO , Hidekazu
Sub-micrometer-resolution X-ray Microtomography Using X-ray Refractive Lens	KOHMURA , Yoshiki
Development of experimental setup for microbeam at BL47XU	SUZUKI , Yoshio
Evaluation of the focusing properties of X-ray focusing mirror	TAKEUCHI , Akihisa
Study of super-high resolution hard x-ray microtomography	TAKEUCHI , Akihisa
Development of Polarization-switching Microbeam	SUZUKI , Yoshio
Evaluation of a beam size using a pinhole with high aspect ratio	AWAJI , Mitsuhiro
Fundamental Study for visualizing the biological molecules using hard X-rays	KOHMURA , Yoshiki
Development of a diffuser for high-energy X-rays	AWAJI , Mitsuhiro
X-ray fluorescence imaging with pinhole camera system	TAKANO , Hidekazu
Direct Fluorescent Imaging of the biological organs using X-ray Pinhole-Camera Method	KOHMURA , Yoshiki
Development of high spatial resolution x-ray CT system with a high definition CCD camera	UESUGI , Kentaro
Evaluation of focusing properties of the 100nm- Fresnel zone plate for hard x-rays	TAKEUCHI , Akihisa
Test of sample scanning system with Piezoelectric Actuator for Hard X-ray Scanning Microscopy	TAKAI , Kengo

Monitoring dynamical motions of BaTiO ₃ domain walls using X-ray topography	KOHMURA , Yoshiki
Measurement of absolute intensity of synchrotron radiation using calorimetric method	ASANO , Yoshihiro
Developments of an wave-dispersive x-ray spectrometer with high sensitivity: preliminary measurements of resonant inelastic x-ray scattering of Cu oxides	KAWAMURA , Naomi
Rare Gas Mixtures Excited with Synchrotron Radiation X-ray Beam	SUZUKI , Masayo
Chemical analysis of the transition elements in human hair using μ -XRF technique	TERADA , Yasuko