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財団法人高輝度光科学研究センター  
利用業務部

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今後も利用者情報には発行月の2ヶ月前の月末締めで、2ヶ月分ずつ登録された論文情報を掲載していく予定ですが、データベースは毎日更新されていますので、最新情報はSPring-8論文データベース検索ページでご確認ください。なお、実験責任者のかたには、成果が公表されましたら速やかに登録いただきますようお願いいたします。

課題の成果として登録された論文  
Journal of Applied Crystallography

主著者	研究成果番号	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
Masanori Inui	10920	40 (2007) s537-s539	2004B0069	BL04B2	乾 雅祝	Small Angle X-ray Scattering Measurements of Expanded Fluid Se in the Semiconductor-Metal Transition Region Using Synchrotron Radiation
Mikihito Takenaka	10939	40 (2007) s662-s665	2005A0690	BL45XU	竹中 幹人	Concentration Fluctuations Induced by Orientation
			2005B0336	BL45XU	竹中 幹人	Fluctuations in Polybutadiene-4-cyano-4'-n-octyl-biphenyl Mixtures
			2006A1123	BL45XU	竹中 幹人	
Mitsuhiro Hirai	10945	40 (2007) s159-s164	2004A0399	BL40B2	平井 光博	Permeability of Water through a Raft Model Membrane Clarified by Time-Resolved SANS and SAXS
Teruaki Onai	10946	40 (2007) s184-s189	2003A0558	BL40B2	平井 光博	Initial Process of Amyloid Formation of Apomyoglobin and Effect of Glycosphingolipid G <sub>M1</sub>
			2004A0399	BL40B2	平井 光博	
Masaharu Koizumi	10947	40 (2007) s175-s178	2004B0082	BL40B2	平井 光博	Collapse of the Hydration Shell of a Protein Prior to Thermal Unfolding
Naoto Yagi	10981	40 (2007) s439-s441	2004A0090	BL40XU	八木 直人	CMOS Flatpanel Detectors for SAXS/WAXS Experiments
Yo Nakamura	10997	40 (2007) s577-s580	2005B0088	BL40B2	中村 洋	Small-Angle X-ray Scattering from Polystyrene Polymacromonomers with Relatively Short Main Chains

## Acta Crystallographica Section F

主著者	研究成果番号	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
Shin Kawano	9927	61 (2005) 252-254	2004B0819	BL41XU	姚 閔	Crystallization and Preliminary Crystallographic Analysis of the Cellulose Biosynthesis-Related Protein CMCax from <i>Acetobacter xylinum</i>
			2002B0386	BL41XU	姚 閔	
Linda Rasubala	10054	61 (2005) 296-298	2004A0691	BL41XU	神田 大輔	Crystallization and Preliminary X-ray Analysis of the mRNA-Binding Domain of Elongation Factor SelB in Complex with RNA
Mayumi Igura	10056	61 (2005) 514-517	2003A0513	BL41XU	神田 大輔	Crystallization and Preliminary X-ray Analysis of Mitochondrial Presequence Receptor Tom20 in Complexes with a Presequence from Aldehyde Dehydrogenase
Tomoko Ishigaki	10145	61 (2005) 524-527	2003B0125	BL41XU	大山 拓次	Purification, Crystallization and Preliminary X-ray Analysis of the Ligand-Binding Domain of Human Lectin-like Oxidized Low-density Lipoprotein Receptor 1 (LOX-1)
Tatsuo Yanagisawa	10203	62 (2006) 1031-1033	2005A0392	BL41XU	関根 俊一	Crystallization and Preliminary X-ray Crystallographic Analysis of the Catalytic Domain of Pyrrolysyl-tRNA Synthetase from the Methanogenic Archaeon <i>Methanosarcina mazei</i>
			2005A0733	BL41XU	仙石 徹	
			2004B0416	BL41XU	仙石 徹	
			2004A0177	BL41XU	関根 俊一	
			理研	BL26B1		
Toshio Hakoshima	11034	62 (2006) 340-345	C04B7426	BL44XU	北野 健	Structure of Dimerized Radixin FERM Domain Suggests a Novel Masking Motif in C-terminal Residues 295-304

## The Journal of Biological Chemistry

Hiroshi Itoh	9925	280 (2005) 38711-38719	2002B0756	BL38B1	田中 勲	The CGL2612 Protein from <i>Corynebacterium glutamicum</i> is a Drug Resistance-Related Transcriptional Repressor: Structural and Functional Analysis of a Newly Identified Transcription Factor from Genomic DNA Analysis
			2002B0756	BL41XU	田中 勲	
Satoshi Murakami	9963	279 (2004) 3743-3748	2004B0036	BL44XU	村上 聡	Extramembrane Central Pore of Multidrug Exporter AcrB in <i>Escherichia coli</i> Plays an Important Role in Drug Transport
Mitsunori Shiroishi	10048	281 (2006) 19536-19544	2005A0877	BL38B1	神田 大輔	Crystal Structure of the Human Monocyte-Activating Receptor, "Group 2" Leukocyte Ig-like Receptor A5 (LILRA5/LIR9/ILT11)
Mitsunori Shiroishi	10049	281 (2006) 10439-10447	2004B0942	BL38B1	神田 大輔	Efficient Leukocyte Ig-like Receptor Signaling and Crystal Structure of Disulfide-linked HLA-G Dimer
Masaru Goto	10971	281 (2006) 34365-34373	2005A0858	BL41XU	後藤 勝	Crystal Structures of Nonoxidative Zinc-dependent 2,6-Dihydroxybenzoate ( -Resorcyate) Decarboxylase from <i>Rhizobium</i> sp. Strain MTP10005
Ken Kitano	11039	282 (2007) 2717-2728	2006A1740	BL38B1	箱嶋 敏雄	Crystal Structure of the HRDC Domein of Human Werner Syndrome Protein, WRN

## Physical Review B

Vadim Brazhkin	10062	74 (2006) 140502(R)	2004A0516	BL02B2	Brazhkin Vadim	Lattice Parameters and Thermal Expansion of Superconducting Boron-Doped Diamond
John Sutter	10886	75 (2007) 140402(R)	2003B0745	BL35XU	Baron Alfred	Relaxation in the Spin Ice Dy <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> Studied using Nuclear forward Scattering
Babulal Ahuja	10893	75 (2007) 134403	2003A0055	BL08W	Sharma Balkrishna	Magnetic Compton Scattering Study of Ni <sub>2+x</sub> Mn <sub>1-x</sub> Ga Ferromagnetic Shape-Memory Alloys
Alfred Baron	10916	75 (2007) 020505(R)	2002A0559	BL35XU	Baron Alfred	Two-Phonon Contributions to the Inelastic X-ray Scattering Spectra of MgB <sub>2</sub>
			2002B0594	BL35XU	Baron Alfred	
Takayoshi Yokoya	10994	75 (2007) 205117	R04B0038	BL47XU	小林 啓介	Core-level Electronic Structure Evolution of Heavily Boron-doped Superconducting Diamond Studied with Hard X-ray Photoemission Spectroscopy
Naoki Ishimatsu	11002	75 (2007) 180402(R)	2006A1461	BL39XU	石松 直樹	Experimental Evidence of Pressure-induced Suppression of the Cobalt Magnetic Moment in ErCo <sub>2</sub>
			2005A0176	BL39XU	Chaboy Jesus	
			2004A0020	BL39XU	Chaboy Jesus	

Journal of the Physical Society of Japan

主著者	研究成果番号	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
Toshihiro Takahashi	10182	75 (2006) 051008	2003B0790	BL02B1	野上 由夫	Charge Ordering in Organic Conductors
Masanori Inui	10911	76 (2007) 053601	2004A0519	BL35XU	片山 芳則	Heavy Particle Dynamics in Liquid Se: Inelastic X-ray Scattering
Masaichiro Mizumaki	10954	76 (2007) 053706	2005B0127 2006A1204	BL01B1 BL39XU	水牧 仁一朗 水牧 仁一朗	The Mixed States in the Unconventional Heavy Fermion Compound $\text{SmOs}_4\text{Sb}_{12}$
Yasuhiro Matsuda	10988	75 (2006) 024710	2006A3702	BL22XU	松田 康弘	High Field X-ray Diffraction Study on a Magnetic-Field-Induced Valence Transition in $\text{YbInCu}_4$
Yasuhiro Matsuda	10989	76 (2007) 034702	2006B3702	BL22XU	松田 康弘	High-Magnetic-Field X-ray Absorption Spectroscopy of Field-Induced Valence Transition in $\text{YbInCu}_4$

Journal of Applied Physics

Akinori Fuse	10156	100 (2006) 043712	2000B0265 2000B0266 2001A0332	BL04B2 BL10XU BL10XU	栗栖 牧生 栗栖 牧生 栗栖 牧生	The Valence State of Yb Ion in $\text{YbInAu}_2$ Compound at High Pressure Determined by X-ray Diffraction and X-ray Absorption Near Edge Structure Measurements
Hiroyasu Shimizu	10856	101 (2007) 063549	2006A0136	BL10XU	久米 徹二	Raman and X-ray Diffraction Studies of Ba Doped Germanium Clathrate $\text{Ba}_8\text{Ge}_{43}$ at High Pressures
Masakiyo Tsunoda	10891	101 (2007) 09E510	2006B1556	BL25SU	角田 匡清	Uncompensated Antiferromagnetic Spins at the Interface in Mn-Ir Based Exchange Biased Bilayers
Masatoshi Tosaka	10952	101 (2007) 084909	2003B0664 2004A0388 2005A0425	BL40XU BL40XU BL40XU	池田 裕子 登阪 雅聡 池田 裕子	Crystallization of Stretched Network Chains in Cross-Linked Natural Rubber

Journal of Electron Spectroscopy and Related Phenomena

Toshio Ibuki	10869	154 (2007) 53-59	2003B0154	BL27SU	伊吹 紀男	Doppler Effect in Resonant Excitation of $\text{CF}_3\text{SF}_5$ Probed by Auger Electron Spectroscopy
Hidetoshi Miyazaki	10900	156-158 (2007) 347-350	2001A0223	BL25SU	曾田 一雄	Soft X-ray Photoemission Study of the Heusler-type $\text{Fe}_2\text{VAI}_{1-z}\text{Ge}_z$ Alloys
Eiji Shigemasa	10930	156-158 (2007) 289-293	2006A1516 2006B1500 2006A1177 2006B1499	BL27SU BL27SU BL27SU BL27SU	繁政 英治 繁政 英治 彦坂 泰正 彦坂 泰正	Photoelectron Recapture through Post-Collision Interaction in $\text{N}_2$
Yasumasa Hikosaka	10959	156-158 (2007) 284-288	2006A1177 2006B1499	BL27SU BL27SU	彦坂 泰正 彦坂 泰正	Negative Ion Formation Following Inner-Shell Photoexcitation in $\text{CO}_2$ Studied by Velocity Imaging Spectroscopy

Journal of Molecular Biology

Mitsunori Shiroishi	10051	355 (2006) 237-248	2004B0790	BL41XU	神田 大輔	Entropically Driven MHC Class I Recognition by Human Inhibitory Receptor Leukocyte Ig-like Receptor B1 (LILRB1/ILT2/CD85j)
Shigeki Matsumiya	10875	368 (2007) 767-779	2005B5689	BL32B2	松宮 茂樹	Structural Comparison of Fucosylated and Nonfucosylated Fc Fragments of Human Immunoglobulin G1
Hiroyuki Iwamoto	10941	369 (2007) 249-264	2000B0126 2001A0119 2001B0183 2003A0183 2003B0187	BL45XU BL45XU BL45XU BL45XU BL45XU	岩本 裕之 岩本 裕之 岩本 裕之 岩本 裕之 岩本 裕之	Diversity of Structural Behavior in Vertebrate Conventional Myosins Complexed with Actin
Seiji Okazaki	11027	368 (2007) 79-91	2005B1793 2005B0372 2005A0841 2000A0488	BL41XU BL38B1 BL38B1 BL40B2	山根 隆 山根 隆 山根 隆 山根 隆	Crystal Structure and Functional Characterization of a D-Stereospecific Amino Acid Amidase from <i>Ochrobactrum anthropi</i> SV3, a New Member of the Penicillin-recognizing Proteins

## Japanese Journal of Applied Physics

主著者	研究成果番号	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
Maki Suemitsu	10909	46 (2007) 1888-1890	2006A1651	BL23SU	末光 眞希	Real-Time Observation of Initial Thermal Oxidation on Si(110)-16×2 Surfaces by O 1s Photoemission Spectroscopy Using Synchrotron Radiation
Daisuke Kan	10984	46 (2007) L471-L473	2006A1664 2005B0378	BL13XU BL13XU	島川 祐一 島川 祐一	Structural Characterization of Ar <sup>+</sup> -Irradiated SrTiO <sub>3</sub> Showing Room-Temperature Blue Luminescence
Shuichi Ogawa	10970	46 (2007) 3244-3254	2006A1744	BL23SU	高桑 雄二	Si(001) Surface Layer-by-Layer Oxidation Studied by Real-Time Photoelectron Spectroscopy using Synchrotron Radiation

## The Journal of Chemical Physics

M. Ehara	10221	124 (2006) 124311	2005A2557	BL27SU	上田 潔	Symmetry-Dependent Vibrational Excitation in N 1s Photoionization of N <sub>2</sub> : Experiment and Theory
M. Ehara	10222	125 (2006) 114304	2005A2557	BL27SU	上田 潔	C1s and O1s Photoelectron Satellite Spectra of CO with the Symmetry-Dependent Vibrational Excitations
Kim Nygård	10914	126 (2007) 154508	2006A1231	BL08W	Hamalainen Keijo	Isotope Quantum Effects in the Electron Momentum Density of Water

## Journal of Magnetism and Magnetic Materials

Kenji Kawano	10802	310 (2007) 2552-2554	2006A0120 2005B0777	BL10XU BL10XU	大竹 健二 大竹 健二	Lattice Distortion of NiZnCu Ferrite Co-fired with Silver
Kenji Kamishima	10842	310 (2007) e346-e348	2005B0096	BL02B2	神島 謙二	Synchrotron X-ray Diffraction for Pyrolytic Magnetic Carbon
Xiaoxi Liu	10884	310 (2007) 1744-1746	2006A0097	BL08W	桜井 浩	Perpendicular Magnetic Anisotropy in Sputtered Amorphous TbFeCo Films

## Physical Review Letters

Kiyoshi Ueda	10224	94 (2005) 243004	2004B0557	BL27SU	上田 潔	Symmetry-Resolved Vibrational Spectra of Carbon K-Shell Photoelectron Satellites in Carbon Monoxides: Experiment and Theory
Edwin Kukk	10226	95 (2005) 133001	2004B0557	BL27SU	上田 潔	Violation of the Franck-Condon Principle Due to Recoil Effects in High Energy Molecular Core-Level Photoionization
Masanori Inui	10958	98 (2007) 185504	2003A6607	BL35XU	田村 剛三郎	Medium-Range Fluctuations Accompanying the Metal-Nonmetal Transition in Expanded Fluid Hg

## Acta Crystallographica Section D

Yuki Maegawa	9932	62 (2006) 483-488	2003B0899	BL41XU	田中 勲	Crystal Structure of A-type ATP Synthase Catalytic Nucleotide-binding Subunit A from <i>Pyrococcus horikoshii</i> Reveals a Novel Domain Related in the Peripheral Stalk
Keiichi Fukuyama	10796	63 (2007) 472-477	2001A0240	BL41XU	福山 恵一	Structures of Cyanide, Nitric Oxide and Hydroxylamine Complexes of <i>Arthromyces ramosus</i> Peroxidase at 100 K Refined to 1.3 Å Resolution: Coordination Geometries of the Ligands to the Haem Iron

## Applied Physics Letters

Masaaki Higuchi	10901	90 (2007) 123114	2006A1624	BL27SU	服部 健雄	Subnitride and Valence Band Offset at Si <sub>3</sub> N <sub>4</sub> /Si Interface Formed Using Nitrogen-Hydrogen Radicals
Kenichi Kato	10998	90 (2007) 201902	2003B0047 2004A0032 2004B0089	BL02B2 BL02B2 BL02B2	加藤 健一 加藤 健一 加藤 健一	On-off Optical Switching of the Magnetic and Structural Properties in a Spin-crossover Complex

## Biochimica et Biophysica Acta - Protein and Proteomics

Mitsunori Shiroishi	10052	1764 (2006) 985-988	2004B0942	BL38B1	神田 大輔	Preparation and Crystallization of the Disulfide-Linked HLA-G Dimer
Kaori Sasaki	10057	1764 (2006) 157-160	2003B0885	BL38B1	神田 大輔	Crystallization and Preliminary Crystallographic Analysis of the N-terminal Domain of PriA from <i>Escherichia coli</i>

### Chemical Physics Letters

主著者	研究成果番号	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
Makoto Matsumoto	10220	417 (2006) 89-93	2005A2557	BL27SU	上田 潔	Vibrationally Resolved C and O 1s Photoelectron Spectra of Carbon Monoxides
Kiyoshi Ueda	10225	411 (2005) 33-36	2004B0557	BL27SU	上田 潔	Non-Franck-Condon Behavior in the C 1s Photoelectron Spectrum of the Methane Molecule

### Journal of Crystal Growth

Toshiyuki Kaizu	10873	301-302 (2007) 248-251	2004B0225	BL11XU	山口 浩一	Modification of InAs Quantum Dot Structure during Annealing
Daisuke Nakamura	10953	304 (2007) 57-63	2002B0335	BL20B2	広瀬 美治	Topographic Study of Dislocation Structure in Hexagonal SiC Single Crystals with Low Dislocation Density
			C03A4014	BL16B2	広瀬 美治	
			2003A0289	BL20B2	広瀬 美治	
			2004A0091	BL20B2	広瀬 美治	

### Journal of Physics B: Atomic, Molecular and Optical Physics

Masahiro Kato	9570	39 (2006) 2059-2069	2004B0369	BL27SU	森下 雄一郎	High-Resolution Absolute Photoabsorption Cross Sections for Ne in the 1s2s and 1s2p Resonant Double Excitation
S. K. Semenov	10223	39 (2006) L261-L267	2005A2557	BL27SU	上田 潔	Interference Modulation in the Vibrationally Resolved Photoionization of the $1_g$ and $1_u$ Core Levels of the $N_2$ Molecule

### Physical Review A

Xiao-Jing Liu	10210	72 (2005) 042704	2005A0181	BL27SU	Liu Xiao Jing	Site-selective Ion Production of the Core-excited $CH_3F$ Molecule Probed by Auger-Electron-Ion Coincidence
Yasumasa Hikosaka	10932	75 (2007) 042708	2006A1516	BL27SU	繁政 英治	Autoionization Dynamics of Core-Valence Doubly Excited States in $N_2$
			2006B1500	BL27SU	繁政 英治	

### Physics and Chemistry of Minerals

Shigeaki Ono	10956	24 (2007) 215-221	2006A1412	BL10XU	小野 重明	New High-Pressure Phases in $BaCO_3$
Daisuke Yamazaki	10964	34 (2007) 269-273	2005B0449	BL04B1	伊藤 英司	Phase Boundary between Ilmenite and Perovskite Structures in $MnGeO_3$ Determined by in situ X-ray Diffraction Measurements
			2006A1477	BL04B1	山崎 大輔	

### Structure

Izuru Ohki	10144	13 (2005) 905-917	2003B0125	BL41XU	大山 拓次	Crystal Structure of Human Lectin-like, Oxidized Low-density Lipoprotein Receptor 1 Ligand Binding Domain and Its Ligand Recognition Mode to OxLDL
Shinichi Terawaki	11033	14 (2006) 777-789	2001B0408	BL40B2	箱嶋 敏雄	Structural Basis for NHERF Recognition by ERM Proteins
			2002A0694	BL41XU	岡田 健吾	

### Angewandte Chemie International Edition

Hikaru Takaya	10922	46 (2007) 2855- 2857	2006B0218	BL19B2	高谷 光	Ultrasound-Induced Gelation of Organic Fluids with Metalated Peptides
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### Applied Surface Science

Takeshi Iyasu	10857	252 (2006) 4335-4339	C03A2006	BL15XU	福島 整	Experimental and Theoretical Studies on X-ray Induced Secondary Electron Yields in Ti and $TiO_2$
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### Biopolymers

Kenji Okuyama	11041	86 (2007) 212-221	2002B0052	BL40B2	奥山 健二	Unique Side Chain Conformation of a Leu Residue in a Triple-Helical Structure
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### Chemical Communications

Koji Tsukamoto	9697	(2006) 3606-3608	2005A0258	BL38B1	塚本 効司	Self-assembled Octameric Cage Constructed by the Potassium Salt of <i>p</i> - <i>tert</i> -butylcalix[6]arene <i>p</i> -bromophenylalanine Derivative in the Solid State
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**Chemical Physics**

主著者	研究成果番号	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
Kiyoshi Ueda	10179	329 (2006) 329-337	2006A1218	BL27SU	上田 潔	Role of the Recoil Effect in Two-Center Interference in X-ray Photoionization

**Chemistry & Biology**

Hiroyuki Morita	10944	14 (2007) 359-369	C05A5019	BL24XU	杉尾 成俊	Structural Insight into Chain-Length Control and Product Specificity of Pentaketide Chromone Synthase from <i>Aloe arborescens</i>
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**Ferroelectrics**

Yasuhiro Yoneda	10915	339 (2006) 1851-1860	2003A0090	BL04B2	米田 安宏	PDF Analysis on Semiconductive CdTe-ZnTe Alloy
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**Genes to Cells**

Arry Yanuar	11035	11 (2006) 961-968	2005A0035	BL41XU	北野 健	Crystal Structure of Human Rad GTPase of the RGK-family
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**Human Molecular Genetics**

Kimiko Kuroki	10053	14 (2005) 2469-2480	2004A0691	BL41XU	神田 大輔	Extensive Polymorphisms of <i>LILRB1</i> ( <i>LT2</i> , <i>LIR1</i> ) and Their Association with <i>HLA-DRB1</i> Shared Epitope Negative Rheumatoid Arthritis
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**Journal of Alloys and Compounds**

Akinori Fuse	10159	376 (2004) 34-37	2001B0312	BL38B1	栗栖 牧生	The Valence State of Yb Metal under High Pressure Determined by XANES Measurement up to 34.6 GPa
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**The Journal of Biochemistry**

Hiroto Yamaguchi	11036	140 (2006) 305-311	C04B7426	BL44XU	北野 健	Structural Basis for Induced-fit Binding of Rho-Kinase to the Inhibitor Y-27632
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**Journal of Non-Crystalline Solids**

Keiji Itoh	10966	353 (2007) 1975-1978	2005B0066	BL04B2	伊藤 恵司	Structure of Amorphous $\text{LaNi}_5\text{D}_{3.3}$ Studied by Neutron and X-ray Diffraction
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**The Journal of Physical Chemistry B**

Shuichi Nagamatsu	10942	111 (2007) 4349-4354	2006A1036	BL13XU	吉田 郵司	Crystal Structure of Friction-Transferred Poly(2,5-dioctyloxy-1,4-phenylenevinylene)
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**Journal of Power Sources**

Masaaki Hirayama	10986	168 (2007) 493-500	2003B0135	BL14B1	菅野 了次	Characterization of Electrode/Electrolyte Interface for Lithium Batteries using <i>in situ</i> Synchrotron X-ray Reflectometry - A New Experimental Technique for $\text{LiCoO}_2$ Model Electrode
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**Journal of Synchrotron Radiation**

Shingo Takeda	9936	13 (2006) 373-377	C03B5043	BL24XU	津坂 佳幸	Crystallinity Estimation of Thin Silicon-on-Insulator Layers by Means of Diffractometry using a Highly Parallel X-ray Microbeam
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**Nano Letters**

Sungwng Kim	10982	7 (2007) 1138-1143	2005A0155	BL02B2	細野 秀雄	Metallic State in a Lime-Alumina Compound with Nanoporous Structure
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Ling Li	10119	443 (2006) 302-307	2006A1305	BL41XU	Ye Keqiong	Crystal Structure of an H/ACA Box Ribonucleoprotein Particle
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### Nature Structural and Molecular Biology

主著者	研究成果番号	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
Satoko Yoshizawa	10055	12 (2005) 198-203	2004A0691	BL41XU	神田 大輔	Structural Basis for mRNA Recognition by Elongation Factor SelB

### Nucleic Acids Research

Shunsuke Yajima	10917	34 (2006) 6074-6082	2003A0486	BL41XU	矢嶋 俊介	Structural Basis for Sequence-Dependent Recognition of Colicin E5 tRNase by Mimicking the mRNA-tRNA Interaction
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### Proceedings of the National Academy of Sciences of the United States of America

Tsunehiro Mizushima	10853	104 (2007) 5777-5781	2006A6832	BL44XU	水島 恒裕	Structural Basis for the Selection of Glycosylated Substrates by SCF <sup>Fbs1</sup> Ubiquitin Ligase
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### Radiation Physics and Chemistry

Georg Prümper	10178	75 (2006) 2019-2023	2004A0168	BL27SU	Pruemper Georg	Comparison of the Nuclear Motion in the Ultrafast Fragmentation of SF <sub>6</sub> , CF <sub>4</sub> and CH <sub>3</sub> F
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### Review of Scientific Instruments

Taizo Kawauchi	10838	78 (2007) 013303	2002A0302	BL09XU	岡野 達雄	Apparatus for Time-resolved and Energy-resolved Measurement of Internal Conversion Electron Emission Induced by Nuclear Resonant Excitation with Synchrotron Radiation
			2002B0697	BL09XU	岡野 達雄	
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			2004A0477	BL09XU	岡野 達雄	

### Science and Technology of Advanced Materials

Takayoshi Yokoya	10995	7 (2006) S12-S16	J04B0523	BL25SU	横谷 尚睦	Soft X-ray Angle-Resolved Photoemission Spectroscopy of Heavily Boron-Doped Superconducting Diamond Films
			J05A0521	BL25SU	横谷 尚睦	

### Solid State Electronic

Atsushi Ogura	10861	51 (2007) 219-225	2006A0250	BL13XU	小椋 厚志	Measurement of In-plane and Depth Strain Profiles in Strained-Si Substrates
			2005A0080	BL13XU	小椋 厚志	

### Transactions of the Materials Research Society of Japan

Masamitsu Takahashi	10906	32 (2007) 2209-2214	2006A3503	BL11XU	高橋 正光	In-situ X-ray Diffraction Study of InAs/GaAs(001) Quantum Dot Growth
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### 岡山市立オリエント美術館研究紀要 (Bulletin of the Okayama Orient Museum)

Kyoko Yamahana	10898	20 (2005) 15-39	2001B0609	BL08W	山花 京子	Architectural Faience Tiles of Ancient Egypt, from the Predynastic Period to the Reign of King Djoser (c.3000-2468 B.C)
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### 材料 (Journal of the Society of Materials Science, Japan)

Kenji Suzuki	10854	56 (2007) 217-222	2006A1752	BL02B1	鈴木 賢治	Measurement of Residual Stress Distribution in Laser-Shock Peened Ti-Alloy Using Hard Synchrotron X-Rays
			2005B0042	BL02B1	鈴木 賢治	

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Kyoko Yamahana	10897	9 (2006) 53-67	2005B0115	BL08W	山花 京子	The Historical Interpretation of Synchrotron Radiation X-ray Fluorescence Analysis on Faience Objects of the New Kingdom, Egypt
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### Doctor Thesis

Hirofumi Oohashi	10983	京都大学 (2007)	C03A2004	BL15XU	Vlaicu Aurel	多重空孔状態に起因する金のL <sub>2</sub> サテライト線
			C05A2001	BL15XU	Vlaicu Aurel	
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## 課題以外の成果として登録された論文

**Acta Crystallographica Section F**

主著者	研究成果番号	雑誌情報	課題番号	ビームライン	タイトル
Nobuo Okazaki	10874	63 (2007) 173-177	理研	BL26B2	Crystal Structure of a UPF0150-Family Protein from <i>Thermus thermophilus</i> HB8
Katsumi Shimizu	10968	63 (2007) 308-310	理研	BL26B1	Purification, Crystallization and Preliminary X-ray Diffraction Study on Pyrimidine Nucleoside Phosphorylase TTHA1771 from <i>Thermus thermophilus</i> HB8
Neratur K. Lokanath	10993	63 (2007) 412-414	理研	BL26B1	Purification, Crystallization and Preliminary X-ray Diffraction Studies of a Putative UDP- <i>N</i> -acetyl-D-mannosamine Dehydrogenase from <i>Pyrococcus horikoshii</i> OT3

**Journal of Crystal Growth**

Masamitsu Takahashi	10868	301-302 (2007) 16-21	原研	BL11XU	Quantitative Structure Determination of GaAs(001) under Typical MBE Conditions using Synchrotron X-ray Diffraction
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Katsumasa Yasukawa	10957	90 (2007) 1107-1111	原研	BL14B1	Core-Shell Structure Analysis of BaTiO <sub>3</sub> Ceramics by Synchrotron X-Ray Diffraction
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**Physica B**

Masaharu Matsunami	10969	378-380 (2006) 177-178	理研	BL17SU	Photoemission Spectroscopy of Ce-filled Skutterudites
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