

## 最近SPring-8から発表された成果リスト

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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このデータベースに登録された原著論文の内、平成20年2月～3月にその別刷もしくはコピー等を受理したもの(登録時期は問いません)を以下に紹介します。論文の情報(主著者、巻、発行年、ページ、タイトル)に加え、データベースの登録番号(研究成果番号)を掲載していますので、詳細は上記検索ページの検索結果画面でご覧いただくことができます。また実施された課題の情報(課題番号、ビームライン、実験責任者名)も掲載しています。課題番号は最初の4文字が「year」、次の1文字が「term」、後ろの4文字が「proposal no.」となっていますので、この情報から以下のURLで公表している、各課題の英文利用報告書(SPring-8 User Experiment Report)を探してご覧いただくことができます。

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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、前回掲載分の後に登録された論文情報を掲載していく予定です。なお、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

バイオメディカル・ファジィ・システム学会誌( **Journal of Biomedical Fuzzy Systems Association** )

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
Masahiro Nakano	12240	8 (2006) 115-151	2006A1807	BL20B2	中野 正博	Inducement of Magnetic Cluster in Viscid Fluids
Hiroyuki Matsuura	12241	8 (2006) 123-130	2006A1807	BL20B2	中野 正博	Research for DDS Using Photon Radiation in SPring-8
Ken-ichi Makino	12242	8 (2006) 131-136	2006B1718	BL20B2	中野 正博	Observation of the Nano-Magnetic Fluid by the SPring-8 Synchrotron Radiation
Nobuo Noda	12243	8 (2006) 137-142	2006B1718	BL20B2	中野 正博	Behavior of Magnetic Fluid in the Whole Egg
Hiroyuki Matsuura	12244	8 (2006) 143-152	2006B1718	BL20B2	中野 正博	Basic Research for Phototherapy Using SPring-8
Kazuharu Koide	12247	9 (2007) 123-126	2007A1379	BL28B2	中野 正博	Observation of the Magnetic Fluid in the Living Body

## Acta Crystallographica Section F

Akihito Ochiai	11334	62 (2006) 486-488	2005A0833	BL38B1	三上 文三	Crystallization and Preliminary X-ray Analysis of an Exotype Alginate lyase Atu3025 from <i>Agrobacterium tumefaciens</i> Strain C58, a Member of Polysaccharide Lyase Family 15
Ryuya Fukunaga	11804	63 (2007) 224-228	2006A1162	BL41XU	伊藤 拓宏	Crystallization and Preliminary X-ray Crystallographic Study of Alanyl-tRNA Synthetase from the Archaeon <i>Archaeoglobus fulgidus</i>
Shankar Kanaujia	11808	63 (2007) 446-448	2006A1414	BL41XU	清水 伸隆	Preliminary X-ray Crystallographic Study of Glucose Dehydrogenase from <i>Thermus thermophilus</i> HB8
Mitsuhiro Nishimura	11814	63 (2007) 950-952	2006A1114	BL41XU	藤井 佳史	Purification, Crystallization, and Preliminary X-ray Diffraction Study of Human Ribosomal Protein L10 Core Domain
Yuji Ashikawa	12006	63 (2007) 499-502	2005A0671	BL41XU	芦川 雄二	Crystallization and Preliminary X-ray Diffraction Studies of the Ferredoxin Reductase Component in the Rieske Nonhaem Iron Oxygenase System Carbazole 1,9a-dioxygenase

**Proteins : Structure, Function, and Bioinformatics**

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
Yosuke Tajika	7339	57 (2004) 862-865	2003A0349	BL41XU	田中 勲	Crystal Structure of Hypothetical Protein PH0828 from <i>Pyrococcus horikoshii</i>
Toyoyuki Ose	7347	57 (2004) 635-638	2003B0899	BL41XU	田中 勲	Crystal Structure of the ATP-Binding Cassette of Multi-Sugar Transporter from <i>Pyrococcus horikoshii</i> OT3
Shigenori Kanaya	11556	61 (2005) 685-688	2004A0680	BL38B1	金谷 茂則	Crystal Structure of a Human Kynurenine Aminotransferase II Homologue from <i>Pyrococcus horikoshii</i> OT3 at 2.20Å Resolution
			C04A7424	BL44XU	金谷 茂則	
Katsumi Imada	12110	70 (2008) 63-71	2004A0668	BL38B1	今田 勝巳	Structure and Quantum Chemical Analysis of NAD <sup>+</sup> -Dependent Isocitrate Dehydrogenase : Hydride Transfer and Co-factor Specificity
			2004A0670	BL41XU	今田 勝巳	

**The Journal of Physical Chemistry C**

Atsushi Nakahira	12085	112 (2008) 1658-1662	2004B0166	BL01B1	中平 敦	Local Structure of TiO <sub>2</sub> -Derived Nanotubes Prepared by the Hydrothermal Process
Tomohisa Miyazawa	12193	112 (2008) 2574-2583	2006A1058 2007A1156	BL01B1 BL01B1	奥村 和 奥村 和	Promotion of Oxidation and Reduction of Rh Species by Interaction of Rh and CeO <sub>2</sub> over Rh/CeO <sub>2</sub> /SiO <sub>2</sub>
Jun Maruyama	12199	112 (2008) 2784-2790	2007A1470	BL19B2	丸山 純	Hemoglobin Pyropolymer Used as a Precursor of a Noble-Metal-Free Fuel Cell Cathode Catalyst

**Macromolecules**

Yoshiko Ogino	12230	39 (2006) 7617-7625	2003A0148	BL45XU	金谷 利治	Crystallization of Isotactic Polypropylene under Shear Flow Observed in a Wide Spatial Scale
			2002A0328	BL45XU	金谷 利治	
			2003A0149	BL40B2	金谷 利治	
Toshiji Kanaya	12233	40 (2007) 3650-3654	2002A0328	BL45XU	金谷 利治	Hierarchic Structure of Shish-Kebab by Neutron Scattering in a Wide Q Range
			2003A0148	BL45XU	金谷 利治	
Takahiko Kawai	12235	40 (2007) 9463-9469	2005A0269	BL40B2	金谷 利治	Crystallization and Melting Behaviour of Poly(L-lactic Acid)
			2004B0290	BL45XU	金谷 利治	

**Nature Structural and Molecular Biology**

Kiyohiro Takahashi	11708	10 (2003) 922-927	C02A7322	BL44XU	稲垣 冬彦	X-ray Crystal Structure of IRF-3 and its Functional Implications
Ryuya Fukunaga	11799	14 (2007) 272-279	2007A1195	BL41XU	伊藤 拓宏	Structural Insights into the First Step of RNA-dependent Cysteine Biosynthesis in Archaea
Hideki Yashiroda	12282	15 (2008) 228-236	2007A6925	BL44XU	水島 恒裕	Crystal Structure of a Chaperone Complex that Contributes to the Assembly of Yeast 20S Proteasomes

**Polymer Journal**

Hiroyasu Masunaga	12201	39 (2007) 1281-1289	2006B1100	BL40B2	増永 啓康	Development of Synchrotron DSC/WAXD/SAXS Simultaneous Measurement System for Polymeric Materials at the BL40B2 in SPring-8 and Its Application to the Study of Crystal Phase Transitions of Fluorine Polymers
			2007A1321	BL40B2	増永 啓康	
Toshiji Kanaya	12236	39 (2007) 1085-1097	2003B0442	BL45XU	金谷 利治	Quantum Beam Studies on Polymer Crystallization under Flow
Yo Nakamura	12285	40 (2008) 109-115	2007A1556	BL40B2	中村 洋	Dilute-Solution Properties of Polystyrene Polymacromonomer Having Side Chains of over 100 Monomeric Units

**Chemical Communications**

Daisuke Tanaka	11951	(2007) 3142-3144	2005B0176	BL02B2	北川 進	Anthracene Array-type Porous Coordination Polymer with Host-guest Charge Transfer Interactions in Excited States
Pance Naumov	12149	(2007) 347-349	2006A1813	BL19B2	三浦 圭子	Increased Crystal Porosity and Enhanced Gas Adsorption by Intracolumnar Gliding for Broadband Gas Detection

**Journal of Macromolecular Science, Part B-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
Shinichi Sakurai	7129	43 (2004) 1-11	2000B0228	BL45XU	櫻井 伸一	Synchrotron Small-Angle X-ray Scattering Studies on Flow-Induced Gyroid to Cylinder Transition in an Elastomeric SBS Triblock Copolymer
Tsutomu Asano	7631	43 (2004) 1263-1280	2001B0065	BL45XU	浅野 勉	Crystal Structure and Smectic Orientation of a Mesogenic Compound

**Physica Scripta**

N. M. Kabachnik	7816	T110 (2004) 73-78	2002A0033	BL27SU	上田 潔	Theoretical and Experimental Study of the Angular Correlations in Auger Cascades in Rare-Gas Atoms
Yushi Suzuki	8278	T115 (2005) 459-461	2002B0544	BL01B1	宮永 崇史	Local Structure of Ag Nano-Clusters Deposited on Silicon Wafer by Total Conversion Electron Yield XAFS
			2001B0165	BL01B1	宮永 崇史	
			2001A0221	BL01B1	宮永 崇史	

**Physical Review B**

Hitoshi Yamaoka	12173	77 (2008) 045135	2006A1607	BL15XU	山岡 人志	X-ray Spectroscopic Study of the Electronic Structure of $Y_{1-x}Pr_xBa_2Cu_3O_7$
Hitoshi Yusa	12192	77 (2008) 064107	2006B1121	BL10XU	遊佐 育	Rh <sub>2</sub> O <sub>3</sub> (II)-type Structures in Ga <sub>2</sub> O <sub>3</sub> and In <sub>2</sub> O <sub>3</sub> under High Pressure: Experiment and Theory
			2006A1154	BL10XU	遊佐 育	

**Acta Crystallographica Section D**

Ryuya Fukunaga	11803	63 (2007) 390-400	2006B1766	BL41XU	関根 俊一	Structure of the AlaX-M Trans-editing Enzyme from <i>Pyrococcus horikoshii</i>
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**American Mineralogist**

Nagayoshi Sata	12112	93 (2008)	2006B0099	BL10XU	廣瀬 敬	New High-Pressure B2 Phase of FeS above 180 GPa
		492-494	2007A0099	BL10XU	廣瀬 敬	

**Applied Physics Letters**

Vadim Brazhkin	11297	91 (2007) 031912	2006A1026	BL04B2	Brazhkin Vadim	AsS: Bulk Inorganic Molecular-based Chalcogenide Glass
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**Angewandte Chemie International Edition**

Takashi Uemura	11950	46 (2007) 4987-4990	2006A0185	BL02B2	北川 進	Topotactic Linear Radical Polymerization of Divinylbenzenes in Porous Coordination Polymers
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**Applied Catalysis A: General**

Yuya Mukainakano	12196	318 (2007) 252-264	2006A1058	BL01B1	奥村 和	Surface Modification of Ni Catalysts with Trace Pd and Rh for Oxidative Steam Reforming of Methane
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**Catalysis Today**

Yuya Mukainakano	12197	132 (2008) 101-108	2006A1058	BL01B1	奥村 和	Catalytic Performance and QXAFS Analysis of Ni Catalysts Modified with Pd for Oxidative Steam Reforming of Methane
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**Chemistry Letters**

Keita Kuroiwa	12130	37 (2008) 192-193	2006A1633	BL02B2	黒岩 敬太	Coordination Structure Changes of Linear Cobalt( ) Triazole Complexes Induced by Binding of Long-chained Alcohols: Adaptive Molecular Clefs
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**Corrosion Science**

Katsuya Inoue	12231	50 (2008)	2004A0066	BL15XU	鈴木 茂	Influence of Manganese on Iron Oxyhydroxides and Oxides Formed in Aqueous Solution
		811-817	2004B0090	BL15XU	鈴木 茂	

## Earth and Planetary Science 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
Kenji Ohta	12216	267 (2008)	2006A0099	BL10XU	廣瀬 敬	Phase Transitions in Pyrolite and MORB at Lowermost
		107-117	2005B0010	BL10XU	巽 好幸	Mantle Conditions: Implications for a MORB-rich Pile
			2005B7005	BL10XU	巽 好幸	above the Core-mantle Boundary

## Geophysical Research Letters

Haruka Ozawa	12239	35 (2008) L05308	2006A0099	BL10XU	廣瀬 敬	Chemical Equilibrium between Ferroperricite and Molten Iron to 134 GPa and Implications for Iron Content at the Bottom of the Mantle
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## Inorganica Chimica Acta

Yasuo Izumi	12178	361 (2008) 1149-1156	2006A1156	BL37XU	泉 康雄	State-sensitive Monitoring of Gold Nanoparticle Sites on Titania and the Interaction of the Positive Au site with O <sub>2</sub> by Au L <sub>1</sub> -selecting X-ray Absorption Fine Structure
			2006B1486	BL37XU	泉 康雄	

## Japanese Journal of Applied Physics

Takashi Kunimoto	11421	46 (2007) 5874-5878	2005A0900	BL19B2	國本 崇	Study on X-ray Absorption Near Edge Structure of Eu Centers in CaAl <sub>2</sub> O <sub>4</sub> :Eu Phosphor Thin Films Prepared by Pulsed Laser Deposition
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## Journal of Applied Physics

Daisuke Nakamura	12105	103 (2008) 013510	2006B0176	BL28B2	山口 聡	Direct Determination of Burgers Vector Sense and Magnitude of Elementary Dislocations by Synchrotron White X-ray Topography
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## The Journal of Biochemistry

Yoshimitsu Shimomura	11742	142 (2007) 577-586	2006A2727	BL41XU	福山 恵一	Characterization and Crystallization of an IscU-type Scaffold Protein with Bound [2Fe-2S] Cluster from the Hyperthermophile, <i>Aquifex aeolicus</i>
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## The Journal of Biological Chemistry

Takanori Matsuura	12127	276 (2001) 45261-45269	2000A0425	BL40B2	乗岡 茂巳	Crystal Structure at 1.5-Å Resolution of <i>Pyrus pyrifolia</i> Pistil Ribonuclease Responsible for Gametophytic Self-incompatibility
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## Journal of Crystal Growth

Yoshinao Kumagai	11342	296 (2006) 11-14	C05A4030	BL16B2	飯原 順次	Fe-doped Semi-insulating GaN Substrates Prepared by Hydride Vapor-Phase Epitaxy using GaAs Starting Substrates
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## Journal of Materials Chemistry

Leqing Li	9705	14 (2004) 263-273	2001B0038	BL02B2	Kennedy Brendan	Structures and Phase Transitions in Sr <sub>1-x</sub> Ba <sub>x</sub> HfO <sub>3</sub> Perovskites
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## Journal of Magnetism and Magnetic Materials

Takashiro Akitsu	12218	320 (2008) 1586-1590	2006B0217	BL19B2	秋津 貴城	The First Detection of Photomodulation by both DC and in-phase AC Susceptibility for Organic/Inorganic Hybrid Materials Containing Cyano-Bridged Gd-Cr Complex and Azobenzene
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## Journal of Molecular Biology

Ryuya Fukunaga	11810	370 (2007) 128-141	2006A1162	BL41XU	伊藤 拓宏	Structural Insights into the Second Step of RNA-dependent Cysteine Biosynthesis in Archaea: Crystal Structure of Sep-tRNA:Cys-tRNA Synthase from <i>Archaeoglobus fulgidus</i>
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### Journal of Neutron Research

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
Kenji Suzuki	12277	15 (2007)	2003B0217	BL02B1	鈴木 賢治	Evaluation of Residual Stress Distribution and Deformation Characteristics of Thermal Barrier Coatings Using Hard Synchrotron X-rays
		165-173	2004A2217	BL02B1	鈴木 賢治	
			2005B0042	BL02B1	鈴木 賢治	

### Journal of Non-Crystalline Solids

Yukio Kajihara	12185	353 (2007) 1985-1989	2005B0412 2006A1275	BL28B2 BL28B2	乾 雅祝 乾 雅祝	X-ray Diffraction Measurement of Liquid As <sub>2</sub> Se <sub>3</sub> by Using Third-Generation Synchrotron Radiation
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### The Journal of Physical Chemistry B

Norihiro Muroyama	9723	110 (2006) 10630-10635	2005A0282	BL02B2	Terasaki Osamu	An Analytical Approach to Determine the Pore Shape and Size of MCM-41 Materials from X-ray Diffraction Data
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### Journal of Physics: Conference Series

Wataru Yashiro	12098	83 (2007)	2006A1492	BL09XU	矢代 航	Oxidation Process Dependence of Strain Field under the SiO <sub>2</sub> /Si(001) Interface Revealed by X-ray Multiple-wave Diffraction
		012009	2005B0483	BL09XU	矢代 航	
			2005A0635	BL09XU	矢代 航	

### Journal of Physics D: Applied Physics

Masahito Tanaka	12237	41 (2008) 055003	2006A1631	BL25SU	朝日 透	Existence and Origin of Compensation Layer Thickness in Tb <sub>20</sub> Co <sub>80</sub> /Pd Multilayered Films
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### Journal of Solid State Chemistry

Karin Söderberg	12128	179 (2006)	2004B0189	BL04B2	遊佐 育	Crystal Structures and Phase Stability in Pseudobinary CaAl <sub>2-x</sub> Zn <sub>x</sub>
		2690-2697	J04B0500	BL02B2	Terasaki Osamu	

### Journal of the Physical Society of Japan

Satoshi Tsutsui	12246	77 (2008) 033601	2004A0589 2005A0369	BL09XU BL35XU	筒井 智嗣 筒井 智嗣	Direct Observation of Low-Energy Sm Phonon in SmRu <sub>4</sub> P <sub>12</sub>
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### Journal of the Korean Physical Society

Hiroyuki Mashiyama	12245	51 (2007) 850-853	2001A0085	BL02B2	増山 博行	The Anti-Polar Structure of CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub>
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### Materials Letters

Yasuo Izumi	12153	62 (2008)	2003A0146	BL15XU	泉 康雄	Photo-oxidation over Mesoporous V-TiO <sub>2</sub> Catalyst under Visible Light Monitored by Vanadium K <sub>5,2</sub> -selecting XANES Spectroscopy
		861-864	2002B0739	BL15XU	泉 康雄	

### Materials Research Bulletin

Brendan Kennedy	12148	42 (2007) 1875-1800	2007A1875	BL02B2	佐々木 園	Crystal Structures and Phase Transitions in Ba <sub>2</sub> HoTaO <sub>6</sub>
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### Materials Science Forum

Kenji Suzuki	12278	571-572 (2008)	2003B0947	BL19B2	鈴木 賢治	Distribution of Residual Stresses in EB-PVD Thermal Barrier Coatings
		333-338	2005B0042	BL02B1	鈴木 賢治	
			2006A1752	BL02B1	鈴木 賢治	
			2005B0812	BL02B1	川村 昌志	

### Nano Letters

Jose Garitaonandia	12172	8 (2008) 661-667	2006B1536	BL39XU	Garitaonandia Jose	Chemically Induced Permanent Magnetism in Au, Ag, and Cu Nanoparticles: Localization of the Magnetism by Element Selective Techniques
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## Nuclear Instruments and Methods in Physics Research Section B

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
Junji Matsui	11431	261 (2007) 634-638	2007A3223	BL24XU	松井 純爾	Structure Estimation of Diamond-like Carbon Films by Synchrotron X-ray Reflectivity Measurement

## Physica E

Fumihiko Maeda	12145	24 (2004) 19-25	2003A0083	BL15XU	鈴木 峰晴	Surface and Interface Reactions of Catalysts for Carbon Nanotube Growth on Si Substrates Studied by Soft X-ray Photoelectron Spectroscopy
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## Physical Review Letters

A. Klein	12254	100 (2008) 016402	2005A0564	BL15XU	Fons Paul	Changes in Electronic Structure and Chemical Bonding upon Crystallization of the Phase Change Material GeSb <sub>2</sub> Te <sub>4</sub>
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## Physics of the Earth and Planetary Interiors

Yuji Higo	12263	166 (2008) 167-174	2004A0465	BL04B1	入船 徹男	Elastic Wave Velocities of (Mg <sub>0.91</sub> Fe <sub>0.09</sub> ) <sub>2</sub> SiO <sub>4</sub> Ringwoodite under <i>P-T</i> Conditions of the Mantle Transition Region
			2005A2431	BL04B1	入船 徹男	

## Polymer

Yoshiko Ogino	12229	47 (2006) 5669-5667	2003A0149	BL40B2	金谷 利治	Effects of High Molecular Weight Component on Crystallization of Polyethylene under Shear Flow
			2002A0328	BL45XU	金谷 利治	
			2003A0148	BL45XU	金谷 利治	

## Ricoh Technical Report

Hiroshi Miura	12169	(2007) 36-43	2006A0206	BL46XU	三浦 博	Nanometer-scale Patterning of ZnS-SiO <sub>2</sub> by Heat-mode Lithography
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## Transactions of the Materials Research Society of Japan

Wataru Yashiro	10910	32 (2007) 227-229	2006A1492	BL09XU	矢代 航	Strain Field under the SiO <sub>2</sub> /Si Interface Revealed by a Multiple-Wave X-ray Diffraction Phenomenon
			2005B0483	BL09XU	矢代 航	
			2005A0635	BL09XU	矢代 航	
			2004A0440	BL09XU	矢代 航	
			2003B0353	BL09XU	矢代 航	
			2002B0102	BL09XU	矢代 航	
			2002A0317	BL09XU	矢代 航	

## 文明 (Civilizations)

Kyoko Yamahana	12189	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
			2001A0036	BL08W	山花 京子	

## 博士論文

Tomohisa Miyazawa	12195	筑波大学 (2008) 1-173	2006A1058	BL01B1	奥村 和	Catalytic Conversion of Biomass: Catalyst Development and the Elucidation of the Reaction Mechanism
			2007A1156	BL01B1	奥村 和	
Keigo Kawase	12238	大阪大学 (2007)	加速器	BL38B2		Studies of Parity Nonconservation for F <sub>19</sub> and MeV $\gamma$ -ray Generation at SPring-8
			2005A0577	BL08W	藤原 守	



## 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
Shankar Kanaujia	11806	63 (2007) 324-326	理研	BL26B2	Cloning, Expression, Purification, Crystallization and Preliminary X-ray Crystallographic Study of Molybdopterin Synthase from <i>Thermus thermophilus</i> HB8
Takashi Umehara	11807	63 (2007) 613-615	理研	BL26B1	Purification, Crystallization and Preliminary X-ray Diffraction of the C-terminal Bromodomain from Human BRD2
Eiji Inagaki	11812	63 (2007) 462-465	理研	BL44B2	New Insights into the Binding Mode of Coenzymes: structure of <i>Thermus thermophilus</i> <sup>1</sup> -pyrroline-5-carboxylate Dehydrogenase Complexed with NADP <sup>+</sup>
Noboru Nakano	11815	63 (2007) 964-966	理研	BL26B2	Purification, Crystallization and Preliminary X-ray Crystallographic analysis of ST1022, a Putative Member of the Lrp/AsnC Family of transcriptional Regulators Isolated from <i>Sulfolobus tokodaii</i> Strain 7
Sarani Rangarajan	12106	64 (2008) 102-104	理研	BL26B1	Crystallization and Preliminary Crystallographic Studies of L30e, a Ribosomal Protein from <i>Methanocaldococcus jannaschii</i> (MJ1044)
Bagautdin Bagautdinov	12202	63 (2007) 15-17	理研	BL26B1	Crystallization and Preliminary X-ray Crystallographic Studies of the Biotin Carboxyl Carrier Protein and Biotin Protein Ligase Complex from <i>Pyrococcus horikoshii</i> OT3

## Proteins : Structure, Function, and Bioinformatics

Ryoichi Arai	11797	67 (2007) 732-742	理研	BL26B1	Crystal Structure of Human <i>myo</i> -inositol Monophosphatase 2, the Product of the Putative Susceptibility Gene for Bipolar Disorder, Schizophrenia, and Febrile Seizures
Yoshihiro Agari	12084	70 (2008) 1108-1111	理研	BL26B2	X-ray Crystal Structure of a Hypothetical Sua5 Protein from <i>Sulfolobus tokodaii</i> Strain 7

## Acta Crystallographica Section D

Seiko Yoshikawa	11802	63 (2007) 357-365	理研	BL26B1	Structure of Archaeal Glyoxylate Reductase from <i>Pyrococcus horikoshii</i> OT3 Complexed with Nicotinamide Adenine Dinucleotide Phosphate
Eiji Nishibori	12206	64 (2008) 237-247	理研	BL45XU	Application of Maximum-Entropy Maps in the Accurate Refinement of a Putative Acylphosphatase using 1.3Å X-ray Diffraction Data

## Journal of Molecular Biology

Yoshihiro Nakamura	11809	370 (2007) 80-92	理研	BL26B2	Crystal Structure Analysis of the PHD Domain of the Transcription Co-activator Pygopus
Akeo Shinkai	11813	372 (2007) 1293-1304	理研 理研	BL26B1 BL44B2	The Putative DNA-binding Protein Sto12a from the Thermoacidophilic Archaeon <i>Sulfolobus tokodaii</i> Contains Intrachain and Interchain Disulfide Bonds

## Biochemical and Biophysical Research Communications

Rie Shibata	11796	355 (2007) 122-128	理研	BL26B1	Crystal Structure and RNA-binding Analysis of the Archaeal Transcription Factor NusA
Takahito Imagawa	12108	367 (2008) 535-541	理研	BL26B2	Crystal Structure of the YdjC-family Protein TTHB029 from <i>Thermus thermophilus</i> HB8: Structural Relationship with Peptidoglycan <i>N</i> -acetylglucosamine Deacetylase

## Journal of Electron Spectroscopy and Related Phenomena

Ritsuko Eguchi	12114	156-158 (2007) 421-425	理研	BL17SU	Electronic Structure of 3d <sup>1</sup> Configuration Vanadium Oxides Studied by Soft X-ray and Hard X-ray Photoemission Spectroscopy
Kouji Horiba	12115	156-158 (2007) 107-110	理研	BL17SU	<i>In situ</i> Photoemission Study of LaNiO <sub>3</sub> Thin Films Grown by Pulsed Laser Deposition

## Applied Physics Letters

Yukio Takahashi	12179	90 (2007) 184105	理研	BL29XU	Approach for Three-dimensional Observation of Mesoscopic Precipitates in Alloys by Coherent X-ray Diffraction Microscopy
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**Genes and Development**

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
Kenji Keyamura	11811	21 (2007) 2083-2099	理研	BL44B2	The Interaction of DiaA and DnaA Regulates the Replication Cycle in <i>E. coli</i> by Directly Promoting ATP DnaA-specific Initiation Complexes

**Journal of Bacteriology**

Taisuke Wakamatsu	12107	190 (2008) 1108-1117	理研 理研	BL26B2 BL44B2	Structural Basis for Different Substrate Specificities of Two ADP-Ribose Pyrophosphatases from <i>Thermus thermophilus</i> HB8
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**The Journal of Biological Chemistry**

Kazutaka Murayama	11801	282 (2007) 4238-4242	理研	BL44B2	Crystal Structure of the Rac Activator, Asef, Reveals Its Autoinhibitory Mechanism
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**Journal of Magnetism and Magnetic Materials**

Ritsuko Eguchi	12116	310 (2007) e289-e291	理研 理研	BL17SU BL17SU	Hard X-ray and Soft X-ray Photoemission Study of Vanadium Oxides
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**Journal of Synchrotron Radiation**

Sunao Takahashi	12280	15 (2008) 144-150	フロントエ ンド		Fatigue Life Prediction for High-Heat-Load Components Made of GlidCop by Elastic-Plastic Analysis
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**Journal of the Physical Society of Japan**

Naohito Tsujii	12170	77 (2008) 024705	理研	BL17SU	Observation of Energy Gap in FeGa <sub>3</sub>
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**Molecular Cell**

Sean Connell	11805	25 (2007) 751-764	理研 理研	BL45XU BL26B1	Structural Basis for Interaction of the Ribosome with the Switch Regions of GTP-bound Elongation Factors
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**Physica B**

Kazuya Yamamoto	12113	378-380 (2006) 681-682	理研	BL17SU	Temperature Dependent X-ray Absorption Spectroscopy of the Valence Transition in EuNi <sub>2</sub> (Si <sub>0.20</sub> Ge <sub>0.80</sub> ) <sub>2</sub>
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**Physical Review Letters**

Yukiaki Ishida	12102	100 (2008) 056401	理研	BL17SU	Coherent and Incoherent Excitations of Electron-doped SrTiO <sub>3</sub>
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**Proceedings of the National Academy of Sciences of the United States of America**

Masatomo Makino	12111	104 (2007) 11591-11596	理研	BL44B2	Crystal Structures and Catalytic Mechanism of Cytochrome P450 StaP that Produces the Indolocarbazole Skeleton
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**Small**

Tomomi Koshiyama	12129	4 (2008) 50-54	理研	BL44B2	Molecular Design of Heteroprotein Assemblies Providing a Bionanocup as a Chemical Reactor
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**Structure**

Yoshihiro Nakamura	11795	15 (2007) 179-189	理研	BL26B1	Structure of the Oncoprotein Gankyrin in Complex with S6 ATPase of the 26S Proteasome
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