

## 最近SPring-8から発表された成果リスト

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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23年10月～12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（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、前号掲載分以降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。

### SPring-8 研究成果登録データベースに2011年10月～12月に登録された論文が掲載された主な雑誌と掲載論文数

掲載雑誌	登録論文数	掲載雑誌	登録論文数
Physical Review B	24	Applied Physics Letters	8
Acta Crystallographica Section F	16	ECS Transactions	8
Japanese Journal of Applied Physics	12	Key Engineering Materials	8
Journal of Molecular Biology	11	The Journal of Biological Chemistry	7
Proteins: Structure, Function, and Bioinformatics	11	Journal of Applied Physics	6
Journal of the Physical Society of Japan	10	Journal of Materials Chemistry	6
AIP Conference Proceedings	9	Journal of Physics: Conference Series	6
Journal of the American Chemical Society	9		

他全148誌、計 348報

## 課題の成果として登録された論文

## Physical Review B

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
18779	Yuanhua Lin	83 (2011) 193105	2006A3823	BL23SU	藤森 淳	Tunable Ferromagnetism in $\text{Ni}_{0.97-y}\text{Mn}_y\text{O}$ Thin Films with Hole Doping and Their Electronic Structures
19065	Masafumi Sakata	83 (2011) 220512(R)	2009A1893	BL10XU	清水 克哉	Superconducting State of Ca-VII Below a Critical Temperature of 29 K at a Pressure of 216 GPa
19468	G. Eguchi	83 (2011) 024512	2009B0083	BL02B1	澤 博	Crystallographic and Superconducting Properties of the Fully Gapped Noncentrosymmetric $5d$ -electron Superconductors $\text{CaMSi}_3$ ( $M=\text{Ir}, \text{Pt}$ )
			2009A0084	BL02B2	久保田 佳基	
19852	Alexei Belik	84 (2011) 094438	2009A4800	BL15XU	小林 啓介	Crystal Structure and Magnetic Properties of $6H\text{-SrMnO}_3$
			2009B4505	BL15XU	Belik Alexei	
19894	Hiroshi Tanida	84 (2011) 115128	2010A0084	BL02B2	久保田 佳基	Electronic Structure and Localized Lanthanide Character of $\text{LnT}_2\text{Al}_{10}$ ( $T=\text{Ru}, \text{Os}$ )
19907	Shuvrajyoti Bhattacharjee	84 (2011) 104116	2010B0084	BL02B2	久保田 佳基	Temperature-induced Isostructural Phase Transition, Associated Large Negative Volume Expansion, and the Existence of a Critical Point in the Phase Diagram of the Multiferroic $(1-x)\text{BiFeO}_3-x\text{PbTiO}_3$ Solid Solution System
19964	Vijay Kumar	84 (2011) 134204	2010A1029	BL01B1	松浦 真	Atomic and Electronic Structure of $\text{Pd}_{40}\text{Ni}_{40}\text{P}_{20}$ Bulk Metallic Glass from <i>ab initio</i> Simulations
			2010A1078	BL04B2	陳 明偉	
			2010B1492	BL04B2	陳 明偉	
19997	Haruka Ozawa	84 (2011) 134417	2009B4264	BL12XU	廣瀬 敬	Spin Crossover, Structural Change, and Metallization in NiAs-type FeO at High Pressure
			2010A4252	BL12XU	廣瀬 敬	
			2009B0087	BL10XU	廣瀬 敬	
			2010A0087	BL10XU	廣瀬 敬	
			2010B0087	BL10XU	廣瀬 敬	
			2011A0087	BL10XU	廣瀬 敬	
20145	Masashi Nakamura	84 (2011) 165433	2008B1395	BL13XU	中村 将志	Structure of the Electrical Double Layer on Ag(100): Promotive Effect of Cationic Species on Br Adlayer Formation
			2009B1363	BL13XU	中村 将志	
			2010B1070	BL13XU	中村 将志	
			2011A1119	BL13XU	中村 将志	
20157	Siham Ouardi	84 (2011) 155122	2008B0017	BL47XU	Felser Claudia	Electronic and Crystallographic Structure, Hard X-ray Photoemission, and Mechanical and Transport Properties of the Half-Metallic Heusler Compound $\text{Co}_2\text{MnGe}$
			2008B4903	BL15XU	Felser Claudia	
20219	Ravindra Singh Solanki	84 (2011) 144116	2011A1324	BL02B2	Pandey Dhananjai	Ground State of $(\text{Pb}_{0.94}\text{Sr}_{0.06})(\text{Zr}_{0.530}\text{Ti}_{0.470})\text{O}_3$ in the Morphotropic Phase Boundary Region: Evidence for a Monoclinic <i>Cc</i> Space Group
			2011A0084	BL02B2	久保田 佳基	
20375	Sandra Carlsson	84 (2011) 094455	2008B1616	BL02B2	山田 幾也	Suppression of Geometric Frustration by Magnetoelastic Coupling in $\text{AuCrS}_2$
20393	Tatsuo Fukuda	84 (2011) 064504	2008A2050	BL35XU	内山 裕士	Soft and Isotropic Phonons in $\text{PrFeAsO}_{1-y}$
			2008B1403	BL35XU	社本 真一	
			2009A1436	BL35XU	社本 真一	
			2009B1609	BL35XU	福田 竜生	
			2009B2136	BL35XU	内山 裕士	
			2010A1296	BL35XU	福田 竜生	
20478	Hisao Kobayashi	84 (2011) 184304	2009A1305	BL09XU	小林 寿夫	Orthorhombic Fluctuations in Tetragonal $\text{AFe}_2\text{As}_2$ ( $A=\text{Sr}$ and $\text{Eu}$ )
			2009B1408	BL09XU	小林 寿夫	
20507	Akira Yasui Yoichi	84 (2011) 195121	2009B3831	BL23SU	保井 晃	Electronic Structure of $\text{YbCu}_2\text{Ge}_2$ Studied by Soft X-ray Angle-Resolved Photoemission Spectroscopy
20528	Tanabe	84 (2011) 100508(R)	2010B1435	BL02B2	谷垣 勝己	Coexistence of Dirac-Cone States and Superconductivity in Iron Pnictide $\text{Ba}(\text{Fe}_{1-x}\text{Ru}_x\text{As})_2$
			2010A1105	BL02B1	谷垣 勝己	
20529	Gang Mu	84 (2011) 054505	2010B1435	BL02B2	谷垣 勝己	Evidence for Line Nodes in the Energy Gap of the Overdoped $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ from Low-Temperature Specific Heat Measurements
			2009B1731	BL02B2	谷垣 勝己	
			2010A1105	BL02B1	谷垣 勝己	
20534	Yasuhiro Matsuda	84 (2011) 174431	2009B1240	BL39XU	松田 康弘	Orbital Magnetism in $\text{Cd}_2\text{O}_7$ Studied by X-ray Magnetic Circular Dichroism
20610	John Tse	84 (2011) 184105	2008A1019	BL10XU	Tse John	Pressure-induced Electron Topological Transitions in Ba-doped Si Clathrate

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
20696	Takashi Konishi	84 (2011) 132102	2010A1291	BL40B2	小西 隆士	Polymer Crystallization Mechanism through a Mesomorphic State
			2010A1200	BL40B2	深尾 浩次	
			2010B1479	BL40B2	深尾 浩次	
20769	Cesare Pisani	84 (2011) 245102	2010B2061	BL08W	櫻井 吉晴	Anisotropy of the Electron Momentum Distribution in $\alpha$ -quartz Investigated by Compton Scattering and <i>ab</i> <i>initio</i> Simulations
20778	Akinori Irizawa	84 (2011) 235116	2007A1129	BL43IR	入澤 明典	Direct Observation of a Pressure-Induced Metal- Insulator Transition in $\text{LiV}_2\text{O}_4$ by Optical Studies
			2007B1101	BL43IR	入澤 明典	
20802	Vajjeh Alijani	84 (2011) 224416	2008B0017	BL47XU	Felser Claudia	Electronic, Structural, and Magnetic Properties of the Half-Metallic Ferromagnetic Quaternary Heusler Compounds $\text{CoFeMnZ}$ ( $Z = \text{Al, Ga, Si, Ge}$ )
			2008B4903	BL15XU	Felser Claudia	
20832	Kazuaki Iwasa	84 (2011) 214308	2007B1328	BL35XU	岩佐 和晃	Motion of the Guest Ion as Precursor to the First-Order Phase Transition in the Cage System $\text{GdB}_6$
			2009A1224	BL35XU	岩佐 和晃	

Acta Crystallographica Section F

18608	Orapin Ariyawutthiphon	67 (2011) 417-420	2008B1376	BL41XU	尾瀬 農之	Crystallization and Preliminary X-ray Crystallographic Study of a Methyltransferase Involved in 2- methylisoborneol Biosynthesis in <i>Streptomyces lasaliensis</i>
18651	Hirota Narita	67 (2011) 344-348	2009A6500	BL44XU	山下 栄樹	Refolding, Crystallization and Preliminary X-ray Crystallographic Study of the Whole Extracellular Regions of Nectins
			2009B6500	BL44XU	山下 栄樹	
			2010A6500	BL44XU	山下 栄樹	
18899	Midori Taketa	66 (2010) 1477-1479	2010B1041	BL38B1	廣田 俊	Crystallization and Preliminary X-ray Analysis of Dimeric and Trimeric Cytochromes <i>c</i> from Horse Heart
			2011A1204	BL38B1	長尾 聡	
19126	Futao Yu	67 (2011) 685-688	2011A1062	BL41XU	姚 閔	Crystallization and Preliminary X-ray Crystallographic Analysis of Dihydrouridine Synthase from <i>Thermus</i> <i>thermophilus</i> and its Complex with tRNA
19127	Aiping Zheng	67 (2011) 730-733	2010A1046	BL41XU	姚 閔	Crystallization and Preliminary X-ray Crystallographic Analysis of eIF5B $\Delta$ N and the eIF5B $\Delta$ N-eIF1A $\Delta$ N Complex
			2007B1095	BL41XU	姚 閔	
20176	Kousuke Nishimura	67 (2011) 1244-1246	2010B6515	BL44XU	北所 健悟	Crystallization and Preliminary Crystallographic Studies of the HA3 Subcomponent of the Type B Botulinum Neurotoxin Complex
			2010A6515	BL44XU	北所 健悟	
			2009B6917	BL44XU	北所 健悟	
			2009A6917	BL44XU	北所 健悟	
20268	Takenori Shibahara	67 (2011) 1425-1427	2011A1902	BL26B1	櫻庭 春彦	Crystallization and Preliminary X-ray Analysis of a Dye- linked D-lactate Dehydrogenase from the Aerobic Hyperthermophilic Archaeon <i>Aeropyrum pernix</i>
20287	Yi-Hung Lin	26 (2006) 743-745	2006A4127	BL12B2	Chen Chun Jung	Purification, Crystallization and Preliminary X-ray Crystallographic Analysis of Rice Bifunctional $\alpha$ -amylase/subtilisin Inhibitor from <i>Oryza sativa</i>
			2005B4125	BL12B2	Chen Chun Jung	
20289	Chueh- Yuan Kuo	62 (2006) 916-919	2006A4134	BL12B2	Chen Chun Jung	Purification, Crystallization and Preliminary X-ray Crystallographic Analysis of Chitinase from <i>Bacillus</i> <i>cereus</i> NCTU2
			2005B4125	BL12B2	Chen Chun Jung	
20227	Yi-Che Su	66 (2010) 636-642	2009A4007	BL12B2	Chou Shan- Ho	Structure of <i>Stenotrophomonas maltophilia</i> FeoA Complexed with Zinc: a Unique Prokaryotic SH3- domain Protein that Possibly Acts as a Bacterial Ferrous Iron-Transport Activating Factor
			2009B4004	BL12B2	Chou Shan- Ho	
20291	Chung-Der Chen	63 (2007) 492-494	2007A4004	BL12B2	Chen Chun Jung	Purification, Crystallization and Preliminary X-ray Crystallographic Analysis of Branched-Chain Aminotransferase from <i>Deinococcus radiodurans</i>
			2006A4127	BL12B2	Chen Chun Jung	
			2006A4134	BL12B2	Chen Chun Jung	
			2006B4132	BL12B2	Chen Chun Jung	

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
20358	Shinichi Terawaki	67 (2011) 758-761	2008B1641	BL41XU	寺脇 慎一	Crystallographic Characterization of the DIX Domain of the Wnt Signalling Positive Regulator Ccd1
			2009A1212	BL41XU	寺脇 慎一	
			2010A6524	BL44XU	寺脇 慎一	
			2010B6524	BL44XU	寺脇 慎一	
			理研	BL26B2		
20688	Shunichi Tanaka	62 (2006) 902-905	2005B1766	BL41XU	金谷 茂則	Crystallization and Preliminary X-ray Diffraction Study of Active-site Mutant of Pro-Tk-subtilisin from a Hyperthermophilic Archaeon
20704	Tsutomu Nakamura	67 (2011) 1559-1562	2011A1986	BL38B1	中村 努	Crystallization and Preliminary Crystallographic Analysis of a Putative Glucokinase/Hexokinase from <i>Thermus thermophilus</i>
20736	Dong-Ju You	62 (2006) 781-784	2005B1766	BL41XU	金谷 茂則	Crystallization and Preliminary Crystallographic Analysis of Type 1 RNase H from Hyperthermophilic Archaeon <i>Sulfolobus tokodaii</i> 7
20739	Clement Angkawidjaja	63 (2007) 187-189	2006B1641	BL38B1	金谷 茂則	Extracellular Overproduction and Preliminary Crystallographic Analysis of a Family I.3 Lipase

### Japanese Journal of Applied Physics

19818	Yasuhiro Yoneda	50 (2011) 09NE06	2008B3609	BL14B1	米田 安宏	Local Structure Analysis of Bi(Mg <sub>0.5</sub> Ti <sub>0.5</sub> )O <sub>3</sub> Grown by High Pressure Synthesis
			2008B3611	BL14B1	米田 安宏	
			2009A3608	BL14B1	米田 安宏	
19821	Yasuhiro Yoneda	49 (2010) 09ME09	2009B1084	BL04B2	米田 安宏	Local Structure of Li-substituted (Bi <sub>0.5</sub> Na <sub>0.5</sub> )TiO <sub>3</sub>
			2010A1068	BL04B2	米田 安宏	
			2008A3602	BL14B1	米田 安宏	
19895	Chikako Moriyoshi	49 (2010) 09ME10	2009A0084	BL02B2	久保田 佳基	Charge Density Study of Metastable State in BaTi <sub>2</sub> O <sub>5</sub> with 5-Fold Coordinated Ti
			2009B0084	BL02B2	久保田 佳基	
			2009B1067	BL02B2	余野 建定	
			2010A1220	BL02B2	増野 敦信	
19896	Eisuke Magome	49 (2010) 09ME06	2008B1040	BL02B2	増野 敦信	Non-Centrosymmetric Structure of LuFeO <sub>3</sub> in Metastable State
			2009A0084	BL02B2	久保田 佳基	
			2009B1067	BL02B2	余野 建定	
			2009B0084	BL02B2	久保田 佳基	
			2010A1220	BL02B2	増野 敦信	
19903	Chikako Moriyoshi	50 (2011) 09NE05	2010A1306	BL02B1	大沢 仁志	Synchrotron Radiation Study on Time-Resolved Tetragonal Lattice Strain of BaTiO <sub>3</sub> under Electric Field
			2010A0083	BL02B1	澤 博	
			2010B0083	BL02B1	澤 博	
			2011A0083	BL02B1	澤 博	
19936	Kenji Yoshii	50 (2011) 09NE03	2005A0457	BL15XU	伊藤 嘉昭	Resonant Inelastic X-ray Scattering at Ba-L <sub>3</sub> Edge in BaTiO <sub>3</sub>
			2004B0653	BL15XU	伊藤 嘉昭	
			2004A0474	BL15XU	伊藤 嘉昭	
			C03A2004	BL15XU	Vlaicu Aurel	
			C05A2001	BL15XU	Vlaicu Aurel	
19968	Satoshi Wada	50 (2011) 09NC08	2010B1725	BL02B2	和田 智志	Preparation of Barium Titanate–Potassium Niobate Nanostructured Ceramics with Artificial Morphotropic Phase Boundary Structure by Solvothermal Method
20152	Takuji Hosoi	50 (2011) 10PE03	2007A3875	BL23SU	寺岡 有殿	Synchrotron Radiation Photoemission Study of Ge <sub>3</sub> N <sub>4</sub> /Ge Structures Formed by Plasma Nitridation
			2008B3875	BL23SU	渡部 平司	
			2009B3874	BL23SU	渡部 平司	
20695	Yoichi Isohama	50 (2011) 09NE04	2010B1573	BL39XU	中島 伸夫	Intrinsic Effect of the Electric Field on Ti–O Bonding in Ferroelectric BaTiO <sub>3</sub> Probed by Resonant X-ray Emission Spectroscopy
20744	Ichiro Fujii	50 (2011) 09ND07	2010B1725	BL02B2	和田 智志	Structural, Dielectric, and Piezoelectric Properties of Mn-Doped BaTiO <sub>3</sub> –Bi(Mg <sub>1/2</sub> Ti <sub>1/2</sub> )O <sub>3</sub> –BiFeO <sub>3</sub> Ceramics
20768	Hryhoriy Stryhanyuk	51 (2012) 016602	2009B0017	BL47XU	Fecher Gerhard	Spin Polarimetry and Magnetic Dichroism on a Buried Magnetic Layer Using Hard X-ray Photoelectron Spectroscopy

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

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
16256	Minze Jia	69 (2007) 428-432	2005A0820	BL41XU	田之倉 優	Crystal Structure of Dim2p: A Pre-Ribosomal RNA Processing Factor, from <i>Pyrococcus horikoshii</i> OT3 at 2.30 Å
			2005A0822	BL41XU	永田 宏次	
20187	Ko-Hsin Chin	64 (2006) 823-826	2005B4134	BL12B2	Chou Shan-Ho	The Crystal Structure of a Putative Acyl-CoA Thioesterase from <i>Xanthomonas campestris</i> (XC229) Adopts a Tetrameric Hotdog Fold of $\epsilon\gamma$ Mode
			C05A1012	BL12B2	Wang Andrew	
20188	Ko-Hsin Chin	65 (2006) 239-242	2005B4134	BL12B2	Chou Shan-Ho	The Crystal Structure of XC1739: A Putative Multiple Antibiotic-Resistance Repressor (MarR) from <i>Xanthomonas campestris</i> at 1.8 Å Resolution
20189	Ko-Hsin Chin	65 (2006) 1036-1040	2005B4134	BL12B2	Chou Shan-Ho	The Crystal Structure of XC847 From <i>Xanthomonas campestris</i> : A 3'-5' Oligoribonuclease of DnaQ Fold Family With a Novel Oppositely Shifted Helix
20190	Ko-Hsin Chin	65 (2006) 1046-1050	2006A4125	BL12B2	Chou Shan-Ho	Crystal Structure of XC5357 From <i>Xanthomonas campestris</i> : A Putative Tetracenomycin Polyketide Synthesis Protein Adopting a Novel Cupin Subfamily Structure
			2005B4134	BL12B2	Chou Shan-Ho	
20193	Ko-Hsin Chin	68 (2007) 1006-1010	2006A4125	BL12B2	Chou Shan-Ho	XC5848, an ORFan Protein from <i>Xanthomonas Campestris</i> , Adopts a Novel Variant of Sm-like Motif
			2006A4136	BL12B2	Chou Shan-Ho	
			2006B4127	BL12B2	Chou Shan-Ho	
20194	Ko-Hsin Chin	69 (2007) 665-671	2006A4125	BL12B2	Chou Shan-Ho	The Crystal Structure of XC1258 from <i>Xanthomonas campestris</i> : A Putative Prokaryotic Nit Protein with an Arsenic Adduct in the Active Site
			2006A4136	BL12B2	Chou Shan-Ho	
20195	Chao-Yu Yang	74 (2009) 530-537	2008A4015	BL12B2	Chou Shan-Ho	Crystal Structure of RecX: A Potent Regulatory Protein of RecA from <i>Xanthomonas campestris</i>
			2006B4127	BL12B2	Chou Shan-Ho	
			2007A4005	BL12B2	Chou Shan-Ho	
20196	Tung-Yi Tsai	76 (2009) 1042-1048	2008B4000	BL12B2	Chou Shan-Ho	<i>Xanthomonas campestris</i> PqqD in the Pyrroloquinoline Quinone Biosynthesis Operon Adopts a Novel Saddle-like Fold that Possibly Serves as a PQQ Carrier
20221	Cheng Jen Liao	73 (2008) 362-371	2006A4125	BL12B2	Chou Shan-Ho	Crystal Structure of DFA0005 Complexed with $\alpha$ -ketoglutarate: A Novel Member of the ICL/PEPM Superfamily from Alkali-Tolerant <i>Deinococcus ficus</i>
			2006A4136	BL12B2	Chou Shan-Ho	
20292	Ming Chi Yang	71 (2008) 1197-1210	2007A4014	BL12B2	Chen Chun Jung	Crystal Structure of a Secondary Vitamin D <sub>3</sub> Binding Site of Milk $\beta$ -lactoglobulin
			2007A4004	BL12B2	Chen Chun Jung	
			2007B4007	BL12B2	Chen Chun Jung	

## Journal of Molecular Biology

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
18702	Mitsuo Kuratani	401 (2010) 323-333	2008A1220	BL41XU	伊藤 拓宏	Crystal structure of <i>Methanocaldococcus jannaschii</i> Trm4 Complexed with Sinefungin
20222	Cheng-Nan Chen	384 (2008) 604-614	2007A4005	BL12B2	Chou Shan-Ho	The First Crystal Structure of Gluconolactonase Important in the Glucose Secondary Metabolic Pathways
			2007A4013	BL12B2	Chou Shan-Ho	
20223	Jhe-Le Tu	385 (2009) 1113-1126	2007A4013	BL12B2	Chou Shan-Ho	Unique GTP-Binding Pocket and Allostery of Uridylate Kinase from a Gram-Negative Phytopathogenic Bacterium
			2007A4005	BL12B2	Chou Shan-Ho	
20225	Shu-ju Liao	390 (2009) 951-966	2008B4000	BL12B2	Chou Shan-Ho	Insights into the Alkyl Peroxide Reduction Pathway of <i>Xanthomonas campestris</i> Bacterioferritin Comigratory Protein from the Trapped Intermediate-Ligand Complex Structures
			2008A4005	BL12B2	Chou Shan-Ho	
20226	Ko-Hsin Chin	396 (2010) 646-662	2009A4007	BL12B2	Chou Shan-Ho	The cAMP Receptor-Like Protein CLP Is a Novel c-di-GMP Receptor Linking Cell-Cell Signaling to Virulence Gene Expression in <i>Xanthomonas campestris</i>
			2009B4004	BL12B2	Chou Shan-Ho	
20738	Shunichi Tanaka	372 (2007) 1055-1069	2006B1641	BL38B1	金谷 茂則	Four New Crystal Structures of Tk-subtilisin in Unautoprocessed, Autoprocessed and Mature Forms: Insight into Structural Changes during Maturation
			2007A1341	BL38B1	金谷 茂則	
20750	Clement Angkawidjaja	400 (2010) 82-95	2008A1106	BL38B1	金谷 茂則	X-ray Crystallographic and MD Simulation Studies on the Interfacial Activation Mechanism of a Family I.3 Lipase with Two Lids
20752	Shunichi Tanaka	394 (2009) 306-319	2008B1092	BL38B1	金谷 茂則	Identification of the Interactions Critical for Propeptide-Catalyzed Folding of Tk-subtilisin
20754	Marian A. Pulido	374 (2007) 1359-1373	2006B6812	BL44XU	金谷 茂則	Requirement of Left-Handed Glycine Residue for High Stability of the Tk-Subtilisin Propeptide as Revealed by Mutational and Crystallographic Analyses
			2006B1641	BL38B1	金谷 茂則	
			2007A1341	BL38B1	金谷 茂則	
20756	Tita Foophow	400 (2010) 865-877	2008B6909	BL44XU	金谷 茂則	Crystal Structure of a Subtilisin Homologue, Tk-SP, from <i>Thermococcus kodakaraensis</i> : Requirement of a C-terminal $\beta$ -Jelly Roll Domain for Hyperstability

## Journal of the Physical Society of Japan

19775	Masaki Fukui	80 (2011) SA111	2009B1705	BL25SU	吉田 力矢	Photoemission Study of $Rh_{17}S_{15}$ Superconductor
19891	Hiroshi Tanida	79 (2010) 043708	2009B0084	BL02B2	久保田 佳基	Possible Long-Range Order with Singlet Ground State in $CeRu_2Al_{10}$
19892	Hiroshi Tanida	79 (2010) 063709	2009B0084	BL02B2	久保田 佳基	Anisotropic Transport Properties of $CeRu_2Al_{10}$
19893	Hiroshi Tanida	79 (2010) 083701	2009B0084	BL02B2	久保田 佳基	Existence of Fine Structure inside Spin Gap in $CeRu_2Al_{10}$
20394	JungHwa Kim	80 (2011) 073603	2007B1614	BL35XU	Lee Seunghun	Synchrotron X-ray Study of Lattice Vibrations in $CdCr_2O_4$
20536	Yutaka Moritomo	80 (2011) 074608	2011A1418	BL02B2	守友 浩	Cubic-Rhombohedral Structural Phase Transition in $Na_{1.32}Mn[Fe(CN)_6]_{0.83} \cdot 3.6H_2O$
20537	Yutaka Moritomo	80 (2011) 074716	2010A1041	BL01B1	守友 浩	Magnetic Properties of Vacance-Controlled $Na_{3y-2}[Cr(CN)_6]_y zH_2O$
			2010A1042	BL02B2	守友 浩	
20538	Yutaka Moritomo	80 (2011) 103601	2011A1418	BL02B2	守友 浩	Structural Phase Diagram of Mn-Fe Cyanide against Cation Concentration
20725	Ikuto Kawasaki	80 (2011) 124710	2010A3820	BL23SU	川崎 郁斗	Itinerant U 5f Nature in Antiferromagnet $U(Ru_{0.97}Rh_{0.03})_2Si_2$ : Soft X-ray Angle-Resolved Photoemission Spectroscopy
20764	Yasuhiro Matsuda	81 (2012) 015002	2010A1384	BL39XU	松田 康弘	Valence Fluctuation in $YbAgCu_4$ at High Magnetic Fields

**AIP Conference Proceedings**

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
17165	Hironori Nakao	1234 (2010) 935-938	2008B3771	BL22XU	中尾 裕則	X-ray Photon Correlation Spectroscopy Study in Valence Fluctuation Compound $\text{Eu}_3\text{S}_4$
19587	Ryuta Mizutani	1365 (2011) 403-406	2009A1113	BL20XU	水谷 隆太	Building Human Brain Network in 3D Coefficient Map Determined by X-ray Microtomography
			2007B1102	BL20XU	水谷 隆太	
			2007A1844	BL20XU	水谷 隆太	
			2006B1716	BL20XU	水谷 隆太	
19939	Wataru Yashiro	1365 (2010) 317-320	2008B1596	BL20XU	矢代 航	X-ray Phase Imaging and Tomography Using a Fresnel Zone Plate and a Transmission Grating
			2009A1073	BL20XU	矢代 航	
			2009B1083	BL20XU	矢代 航	
19948	Takahisa Koyama	1365 (2011) 24-27	2009B3200	BL24XU	籠島 靖	Development of Multilayer Laue Lenses; (1) Linear Type
19949	Takahisa Koyama	1365 (2011) 100-103	2009B3200	BL24XU	籠島 靖	Development of Multilayer Laue Lenses; (2) Circular Type
20341	Hidekazu Takano	1365 (2011) 297-300	2009B3203	BL24XU	高野 秀和	New Nanoscale Imaging with a Simple Hard X-Ray Nanoslit
			2009A3203	BL24XU	高野 秀和	
			2008B3203	BL24XU	高野 秀和	
20513	Yoshio Suzuki	1365 (2011) 156-159	2009B1419	BL20XU	鈴木 芳生	Correction of Spherical Aberration in Grazing-Incidence by Combination of Spherical-Concave Mirrors
20515	Yoshio Suzuki	1365 (2011) 160-163	2009B1425	BL47XU	鈴木 芳生	Hollow-Cone Illumination for Hard X-ray Imaging Microscopy by Rotating-Grating Condenser Optics
20689	Masato Hoshino	1365 (2011) 250-253	2008B1525	BL20XU	星野 真人	Development of an X-ray Micro-Laminography System at SPring-8

**Journal of the American Chemical Society**

14343	Angiolina Comotti	130 (2008) 13664-13672	2006B1577	BL02B2	北川 進	Nanochannels of Two Distinct Cross-Sections in a Porous Al-Based Coordination Polymer
			2006B1583	BL02B2	松田 亮太郎	
14941	Masaaki Sadakiyo	131 (2009) 9906-9907	2007B1642	BL02B2	山田 鉄兵	Rational Designs for Highly Proton-Conductive Metal-Organic Frameworks
			2008A1624	BL02B2	山田 鉄兵	
			2008B1138	BL02B2	山田 鉄兵	
			2009A1048	BL02B2	山田 鉄兵	
14942	Hisashi Okawa	131 (2009) 13516-13522	2008B1138	BL02B2	山田 鉄兵	Oxalate-Bridged Bimetallic Complexes $\{\text{NH}(\text{pro})_3\}[\text{MCr}(\text{ox})_3]$ ( $\text{M} = \text{Mn}^{\text{II}}, \text{Fe}^{\text{II}}, \text{Co}^{\text{II}}$ ; $\text{NH}(\text{pro})_3^+ = \text{Tri}(3\text{-hydroxypropyl})\text{ammonium}$ ) Exhibiting Coexistent Ferromagnetism and Proton Conduction
			2009A1048	BL02B2	山田 鉄兵	
14999	Takuji Hatakeyama	131 (2009) 11949-11963	2009A1848	BL14B2	畠山 琢次	Highly Selective Biaryl Cross-Coupling Reactions between Aryl Halides and Aryl Grignard Reagents: A New Catalyst Combination of <i>N</i> -Heterocyclic Carbenes and Iron, Cobalt, and Nickel Fluorides
15651	Olga Smirnova	131 (2009) 8313-8317	2008A1670	BL02B2	東 正樹	Synthesis, Crystal Structure and Magnetic Properties of $\text{Bi}_3\text{Mn}_4\text{O}_{12}(\text{NO}_3)$ Oxynitrate Comprising $S = 3/2$ Honeycomb Lattice
17703	Takuji Hatakeyama	132 (2010) 10674-10676	2009B1783	BL14B2	畠山 琢次	Iron-Catalyzed Suzuki-Miyaura Coupling of Alkyl Halides
17704	Kentaro Ishizuka	132 (2010) 13117-13119	2009A1848	BL14B2	畠山 琢次	Nickel-Catalyzed Alkenylative Cross-Coupling Reaction of Alkyl Sulfides
20144	Yoshiyuki Inaguma	133 (2011) 16920-16929	2010B3615	BL14B1	稲熊 宜之	Synthesis, Structural Transformation, Thermal Stability, Valence State, and Magnetic and Electronic Properties of $\text{PbNiO}_3$ with Perovskite- and $\text{LiNbO}_3$ -type Structures
			2010A1669	BL02B2	森 大輔	
20483	Koki Urita	133 (2011) 10344-10347	2007B1471	BL02B2	金子 克美	Confinement in Carbon Nanospace-Induced Production of KI Nanocrystals of High-Pressure Phase
			2008B1362	BL02B2	金子 克美	

ECS Transactions

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
16423	Koji Amezawa	13 (2008) 161-164	2007B1767	BL37XU	雨澤 浩史	Electronic and Local Structures of $\text{La}_{1-x}\text{Sr}_x\text{CoO}_{3-d}$ Studied by In-Situ Micro XAS Measurements
			2007B1554	BL01B1	雨澤 浩史	
16426	Koji Amezawa	25 (2009) 345-348	2008B1844	BL37XU	雨澤 浩史	Investigation on Oxygen Potential Distribution in a $\text{ZrO}_2$ -Based Solid Electrolyte by Using In-Situ Micro XAS Technique
			2009A1733	BL37XU	雨澤 浩史	
			2008B1014	BL37XU	内本 喜晴	
			2009A1010	BL37XU	内本 喜晴	
19880	Hiroaki Yoshida	11 (2007) 1321-1329	2006B1725	BL01B1	内本 喜晴	XAS Study for Degradation Mechanism of PT/C Catalyst during Potential Cycling Test
			2007A1006	BL01B1	内本 喜晴	
20038	Heiji Watanabe	41 (2011) 77-90	2008A3877	BL23SU	渡部 平司	Gate Stack Technologies for SiC Power MOSFETs
			2009A3875	BL23SU	渡部 平司	
			2010A3876	BL23SU	渡部 平司	
20305	Masaharu Oshima	41 (2011) 453-460	2009B7402	BL07LSU	組頭 広志	Synchrotron Radiation Nano-Spectroscopy of Dielectrics for LSI and ReRAM
			2010A7402	BL07LSU	組頭 広志	
			2010B7402	BL07LSU	組頭 広志	
			2011A7402	BL07LSU	組頭 広志	
20644	Tomoyuki Suwa	35 (2011) 115-122	2009B1740	BL27SU	寺本 章伸	Clear Difference between the Chemical Structure of $\text{SiO}_2/\text{Si}$ Interfaces Formed Using Oxygen Radicals versus Oxygen Molecules
20713	Yoshiro Ohgi	41 (2011) 1225-1247	2010A1750	BL19B2	石原 顕光	Factors for Improvements of Catalytic Activity for Zirconium Oxide-Based Oxygen-Reduction Electrocatalysts
			2010B1793	BL19B2	今井 英人	
20714	Masashi Matsumoto	35 (2011) 77-83	2009B1821	BL14B2	石原 顕光	Structural Characterization of ORR Active Surface Niobium Oxides on Partially Oxidized Nb Carbonitrides
			2010A1740	BL14B2	今井 英人	
			2010A1748	BL14B2	石原 顕光	
			2010B1792	BL14B2	今井 英人	
			2010B1888	BL14B2	今井 英人	

Key Engineering Materials

19973	Satoshi Wada	421-422 (2010) 34-37	2008A1656	BL02B2	和田 智志	Phase Diagram and Microstructure Analysis of Barium Titanate – Potassium Niobate System Piezoelectric Ceramics
			2009A0084	BL02B2	久保田 佳基	
19974	Keisuke Yamato	421-422 (2010) 38-41	2008A1656	BL02B2	和田 智志	Crystal Structure Analysis of Barium Titanate Bismuth Perovskite-type Oxide System Ceramics and Their Piezoelectric Property
			2009A0084	BL02B2	久保田 佳基	
19975	Shuhei Kondo	421-422 (2010) 506-509	2008A1656	BL02B2	和田 智志	Particle Structure Analysis of High-dispersed Barium Titanate Nanoparticles from Barium Titanyl Oxalate Nanoparticles and Their Dielectric Properties
			2009A0084	BL02B2	久保田 佳基	
19976	Keisuke Yamato	445 (2010) 23-26	2008B1796	BL02B2	和田 智志	Crystal Structure Analysis of High $T_C$ Barium Titanate- Bismuth Perovskite-Type Oxide System Ceramics and Their Piezoelectric Property
			2009A0084	BL02B2	久保田 佳基	
19977	Shuhei Kondo	445 (2010) 171-174	2008A1656	BL02B2	和田 智志	Preparation of Barium Titanate Nanoparticles by Particle Growth Control
			2009A0084	BL02B2	久保田 佳基	
20519	Kosuke Suzuki	497 (2012) 8-12	2010B1542	BL08W	鈴木 宏輔	Observation of Magnetic Compton Profile of Interface Controlled Co/Pd Multilayer
20745	Takayuki Goto	485 (2011) 305-308	2010B1725	BL02B2	和田 智志	Preparation of Barium Titanate/Strontium Titanate Multilayered Nanoparticles
20746	Shigehito Shimizu	485 (2011) 89-92	2010B1725	BL02B2	和田 智志	Microstructure Control of Barium Titanate – Potassium Niobate Solid Solution System Ceramics by MPB Engineering and Their Piezoelectric Properties



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研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
19979	Shunji Yoshida	99 (2011) 131909	2009B1745	BL13XU	横川 俊哉	Evidence of Lattice Tilt and Slip in m-plane InGaN/GaN Heterostructure
			2010B1718	BL13XU	横川 俊哉	
20156	Siham Ouardi	99 (2011) 152112	2011A1464	BL47XU	Fecher Gerhard	Transport and Thermal Properties of Single- and Polycrystalline NiZr <sub>0.5</sub> Hf <sub>0.5</sub> Sn
20317	Takashi Kataoka	99 (2011) 132508	2008A3825	BL23SU	藤森 伸一	Ferromagnetism in ZnO Co-doped with Mn and N Studied by Soft X-ray Magnetic Circular Dichroism
20480	Yoshitaka Ehara	99 (2011) 182906	2010A1634	BL13XU	Valanoor Nagarajan	Ultrafast Switching of Ferroelastic Nanodomains in Bilayered Ferroelectric Thin Films
20594	Xeniya Kozina	99 (2011) 221908	2010A0017	BL47XU	Felser Claudia	Electronic Structure and Symmetry of Valence States of Epitaxial NiTiSn and NiZr <sub>0.5</sub> Hf <sub>0.5</sub> Sn Thin Films by Hard X-ray Photoelectron Spectroscopy
			2011A1464	BL47XU	Fecher Gerhard	
20606	Xavier Biquard	98 (2011) 231907	2010B1107	BL01B1	Hyt Berangere	Effect of Doping on Global and Local Order in Crystalline GeTe
20741	Ichiro Fujii	99 (2011) 202902	2010B1725	BL02B2	和田 智志	Enhanced Piezoelectric Response of BaTiO <sub>3</sub> - KNbO <sub>3</sub> Composites
			2011A1667	BL02B2	和田 智志	

The Journal of Biological Chemistry

15228	Takao Naganuma	285 (2010) 4747-4756	2007A1063	BL41XU	姚 閔	Structural Basis for Translation Factor Recruitment to the Eukaryotic/Archaeal Ribosomes
19400	Kousuke Matsumoto	286 (2011) 15403-15412	2009B1117	BL38B1	村岡 真	Critical Roles of Interactions among Switch I-preceding Residues and between Switch II and its Neighboring $\alpha$ -helix in Conformational Dynamics of the GTP-bound Ras Family Small GTPases
20155	Takashi Hirano	286 (2011) 37496-37502	2009A6937	BL44XU	水島 恒裕	Conformational Dynamics of Wild-type Lys48-linked Diubiquitin in Solution
20298	Phimonphan Chuankhayan	285 (2010) 23251-23264	2010A4004	BL12B2	Chen Chun Jung	Crystal Structures of <i>Aspergillus japonicus</i> Fructosyltransferase Complex with Donor/Acceptor Substrates Reveal Complete Subsites in the Active Site for Catalysis
			2008A4009	BL12B2	Chen Chun Jung	
			2008B4006	BL12B2	Chen Chun Jung	
			2009A4004	BL12B2	Chen Chun Jung	
			2009B4002	BL12B2	Chen Chun Jung	
20299	Yin-cheng Hsieh	285 (2010) 31603-31615	2010A4010	BL12B2	Chen Chun Jung	Crystal Structures of <i>Bacillus cereus</i> NCTU2 Chitinase Complexes with Chitooligomers Reveal Novel Substrate Binding for Catalysis: A Chitinase without Chitin-Binding and Insertion Domains
			2008A4009	BL12B2	Chen Chun Jung	
			2008B4006	BL12B2	Chen Chun Jung	
			2009A4004	BL12B2	Chen Chun Jung	
			2009B4002	BL12B2	Chen Chun Jung	
20637	Hirota Tajima	286 (2011) 42200-42210	2006B1650	BL38B1	今田 勝巳	Ligand Specificity Determined by Differentially Arranged Common Ligand-binding Residues in Bacterial Amino Acid Chemoreceptors Tsr and Tar
			2006B2650	BL41XU	今田 勝巳	
			2006A1726	BL38B1	今田 勝巳	
			2006A2726	BL41XU	今田 勝巳	
			2005A0159	BL41XU	今田 勝巳	
20687	Shunichi Tanaka	282 (2007) 8246-8255	2005B1766	BL41XU	金谷 茂則	Crystal Structure of Unautoprocessed Precursor of Subtilisin from a Hyperthermophilic Archaeon: Evidence for Ca <sup>2+</sup> -induced Folding

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研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
19670	Konstantin Litasov	108 (2010) 053513	2007B1570	BL04B1	大谷 栄治	Pressure-Volume-Temperature Equation of State of Tungsten Carbide to 32 GPa and 1673 K
19950	Hosiyar Mund	110 (2011) 073914	2010B1394	BL08W	Ahuja Babulal	Investigation of Orbital Magnetization in Inverse Spinel Cobalt Ferrite using Magnetic Compton Scattering
20379	Kuniaki Arai	110 (2011) 084306	2007B2007	BL25SU	木下 豊彦	Direct Observation of Spin Configuration in an Exchange Coupled Fe/NiO(100) System by X-ray Magnetic Circular- and Linear- Dichroism Photoemission Electron Microscope
			2008A1726	BL25SU	新井 邦明	
			2008A2052	BL25SU	木下 豊彦	
20567	Wataru Yashiro	110 (2011) 102210	2007A1695	BL09XU	矢代 航	<i>In situ</i> Observation of X-ray Irradiation Effect by Using a Multiwave X-ray Diffraction Phenomenon
			2007B1076	BL09XU	矢代 航	
			2008A1466	BL09XU	矢代 航	
			2009A1072	BL09XU	矢代 航	
			2001A0154	BL09XU	高橋 敏男	
20571	Tadashi Matsushita	110 (2011) 102209	2009B1941	BL28B2	木村 滋	Quick Measurement of Crystal Truncation Rod Profiles in Simultaneous Multi-wavelength Dispersive Mode
			2009A3573	BL11XU	山口 真史	
20585	Takuo Sasaki	110 (2011) 113502	2009A3573	BL11XU	山口 真史	X-ray Reciprocal Space Mapping of Dislocation-Mediated Strain Relaxation during InGaAs/GaAs(001) Epitaxial Growth
			2009B3571	BL11XU	山口 真史	

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19857	Yuki Orikasa	21 (2011) 14013-14019	2006A1693	BL01B1	内本 喜晴	Local Structural Analysis for Oxide Ionic Transport in $\text{La}_{0.6}\text{Sr}_{0.4}\text{FeO}_{3-\delta}$ Cathodes
			2009A1507	BL01B1	内本 喜晴	
19881	Toyoki Okumura	21 (2011) 10051-10060	2007B1592	BL37XU	内本 喜晴	Depth-resolved X-ray Absorption Spectroscopic Study on Nanoscale Observation of the Electrode-Solid Electrolyte Interface for All Solid State Lithium Ion Batteries
			2008A1579	BL37XU	内本 喜晴	
			2009A1019	BL01B1	福塚 友和	
			2008B1009	BL37XU	福塚 友和	
			2009A1009	BL37XU	福塚 友和	
19883	Toyoki Okumura	21 (2011) 10195-10205	1998A0032	BL01B1	内本 喜晴	Effect of Average and Local Structures on Lithium Ion Conductivity in $\text{La}_{2/3-x}\text{Li}_{3x}\text{TiO}_3$
			2000A0091	BL01B1	内本 喜晴	
			2003A0104	BL01B1	内本 喜晴	
19885	Toyoki Okumura	21 (2011) 10061-10068	1998A0032	BL01B1	内本 喜晴	Improvement of Lithium Ion Conductivity for A-site Disordered Lithium Lanthanum Titanate Perovskite Oxides by Fluoride Ion Substitution
			2000A0091	BL01B1	内本 喜晴	
			2003A0104	BL01B1	内本 喜晴	
20349	Hirokazu Fukidome	21 (2011) 17242-17248	2010B1712	BL17SU	吹留 博一	Control of Epitaxy of Graphene by Crystallographic Orientation of a Si Substrate toward Device Applications
			2009B1735	BL17SU	吹留 博一	
			2009A3876	BL23SU	末光 真希	
			2009B3875	BL23SU	末光 真希	
20498	Toyoki Okumura	21 (2011) 15369-15377	2009A1507	BL01B1	内本 喜晴	Electronic and Local Structural Changes with Lithium-Ion Insertion in $\text{TiO}_2\text{-B}$ : X-ray Absorption Spectroscopy Study

## Journal of Physics: Conference Series

19079	Hiroyuki Kagi	215 (2010) 012052	2009A1428	BL43IR	鍵 裕之	Infrared Absorption Spectra of $\delta$ -AlOOH and its Deuteride at High Pressure and its Implication to Pressure Response of the Hydrogen Bonds
19451	Yoshifumi Sakaguchi	294 (2011) 012004	2010A1375	BL04B2	坂口 佳史	Structure of Glasses for $^3\text{He}$ Neutron Spin Filter Cells
19930	Syuhei Torigoe	320 (2011) 012078	2009B3608	BL14B1	松村 大樹	X-ray Absorption Spectra in Pyrochlore Niobates
			2010A3611	BL14B1	松村 大樹	
			2010A3614	BL14B1	花咲 徳亮	
19971	Kenji Ohwada	320 (2011) 012086	2010B3713	BL22XU	大和田 謙二	X-ray Photon Correlation Spectroscopy of Structural Fluctuations in Relaxor Ferroelectrics PZN-9%PT
			2010A3713	BL22XU	大和田 謙二	
20780	Akinori Irizawa	150 (2009) 042070	2007A1129	BL43IR	入澤 明典	Observation of Charge Ordering State in $\text{LiV}_2\text{O}_4$ Investigated by Optical Study
			2007B1101	BL43IR	入澤 明典	
			2006B1406	BL43IR	入澤 明典	
20781	Akinori Irizawa	200 (2010) 012068	2007A1129	BL43IR	入澤 明典	Optical Study on Strongly Correlated Electron System $\text{LiV}_2\text{O}_4$
			2007B1101	BL43IR	入澤 明典	

**Chemistry Letters**

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
14943	Shota Morikawa	38 (2009) 654-655	2009A1048	BL02B2	山田 鉄兵	Crystal Structure and Proton Conductivity of a One-dimensional Coordination Polymer, $\{Mn(DHBQ)H_2O_2\}$
14968	Tomoo Mizugaki	38 (2009) 1118-1119	2008A1816	BL14B2	高木 由紀夫	Controlled Synthesis of Pd Clusters in Subnanometer Range Using Poly(propylene imine) Dendrimers
			2008A1521	BL28B2	金田 清臣	
			2008B1956	BL14B2	金田 清臣	
			2009A1856	BL14B2	高木 由紀夫	
2009A1860	BL14B2	金田 清臣				
16983	Yu Horiuchi	37 (2008) 748-749	2008A1457	BL01B1	森 浩亮	Preparation of Superhydrophilic Mesoporous Silica Thin Films Containing Single-site Photocatalyst (Ti, V, Cr, Mo, and W Oxide Moieties)
20631	Zen Maeno	40 (2011) 180-181	2010A1788	BL14B2	金田 清臣	Subnanoscale Size Effect of Dendrimer-encapsulated Pd Clusters on Catalytic Hydrogenation of Olefin
			2010A1781	BL14B2	高木 由紀夫	
			2009B1854	BL14B2	高木 由紀夫	
			2009B1506	BL01B1	金田 清臣	
			2009A1860	BL14B2	金田 清臣	
2009A1856	BL14B2	高木 由紀夫				
20636	Takuma Matsuo	40 (2011) 1340-1342	2010A1432	BL40B2	櫻井 和朗	Quaternary-ammonium-bearing Aromatic Surfactants: Effect of the Alkyl Chain Positions on Their Micelle and DNA-complex Structures

**Journal of Physics: Condensed Matter**

14901	Junji Saida	21 (2009) 375104	2007B1082	BL01B1	真田 貴志	Evaluation of the Local Environment for Nanoscale Quasicrystal Formation in $Zr_{80}Pt_{20}$ Glassy Alloy using Voronoi Analysis
19822	Yasuhiro Yoneda	23 (2011) 015902	2010A3608	BL14B1	米田 安宏	Electronic and Local Structures of $BiFeO_3$ Films
			2010B3608	BL14B1	米田 安宏	
20146	Norikazu Ohshima	23 (2011) 382202	2009B1834	BL17SU	大嶋 則和	Real Space Observation of Current-Induced Magnetic Domain Wall Displacement in Co/Ni Nano-Wire by Photoemission Electron Microscopy
			2010A1729	BL17SU	大嶋 則和	
			2010B1813	BL17SU	大嶋 則和	
			2011A1698	BL17SU	谷川 博信	
20762	Janne Kalikka	24 (2012) 015802	2009A1485	BL04B2	臼杵 毅	Amorphous $Ge_{15}Te_{85}$ : Density Functional, High-Energy X-ray and Neutron Diffraction Study
			2006A1248	BL08W	臼杵 毅	
20794	Junji Saida	23 (2011) 175303	2007B1082	BL01B1	真田 貴志	Change in Local Environment upon Quasicrystallization of Zr-Cu Glassy Alloys by Addition of Pd and Pt

**FEBS Letters**

19886	Toshiaki Hamanaka	585 (2011) 2735-2738	2007A1524	BL40B2	浜中 俊明	Luciferase Activity of the Intracellular Microcrystal of the Firefly Squid, <i>Watasenia scintillans</i>
20748	Clement Angkawidjaja	581 (2007) 5060-5064	2007A1336	BL38B1	金谷 茂則	Crystal Structure of a Family I.3 Lipase from <i>Pseudomonas</i> sp. MIS38 in a Closed Conformation
20751	Shunichi Tanaka	582 (2008) 3875-3878	2008A1106	BL38B1	金谷 茂則	Crystal Structure of Tk-subtilisin Folded without Propeptide: Requirement of Propeptide for Acceleration of Folding
20753	Seiko Miyashita	585 (2011) 2313-2317	2009A1357	BL38B1	金谷 茂則	Identification of the Substrate Binding Site in the N-terminal TBP-like domain of RNase H3

**Geophysical Research Letters**

14702	Hidetoshi Asanuma	35 (2008) L12307	2007A1678	BL10XU	大谷 栄治	Phase Relations of Fe-Si Alloy up to Core Conditions: Implications for the Earth Inner Core
			2007B1562	BL10XU	大谷 栄治	
			2007A1731	BL10XU	寺崎 英紀	
19416	Masayuki Nishi	37 (2010) L09305	2008A1716	BL04B1	西 真之	Survival of Majoritic Garnet in Diamond by Direct Kimberlite Ascent from Deep Mantle
			2008B1556	BL04B1	久保 友明	
			2009A1555	BL04B1	久保 友明	
19797	Kyusei Tsuno	34 (2007) L17303	2006A1544	BL04B1	大谷 栄治	In situ Observation and Determination of Liquid Immiscibility in the Fe-O-S Melt at 3 GPa Using a Synchrotron X-ray Radiographic Technique
			2006B1313	BL04B1	朝原 友紀	
			2007A1096	BL04B1	寺崎 英紀	
20251	Kei Hirose	37 (2010) L20302	2009A0087	BL10XU	廣瀬 敬	Deformation of $MnGeO_3$ Post-perovskite at Lower Mantle Pressure and Temperature
			2009B0087	BL10XU	廣瀬 敬	

## IOP Conference Series: Materials Science and Engineering

研究成果番号	著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
19860	Kazuo Soda	18 (2011) 142004	2007A1142	BL25SU	曾田 一雄	Origin of Large Thermoelectric Power in Off-stoichiometric Fe <sub>2</sub> VAl-based Alloys
			2009A1672	BL27SU	曾田 一雄	
			2009B1729	BL27SU	曾田 一雄	
			2010A1631	BL27SU	曾田 一雄	
20207	Yohei Onodera	18 (2011) 022012	2009A1644	BL04B2	小野寺 陽平	Reverse Monte Carlo Modeling of Atomic Configuration for Li <sub>2</sub> S-P <sub>2</sub> S <sub>5</sub> Superionic Glasses
20318	Yuya Shinohara	24 (2011) 012005	2006A1570	BL40XU	篠原 佑也	Observation of Filler Dynamics in Rubber with X-ray Photon Correlation Spectroscopy
			2006B1679	BL40XU	篠原 佑也	
			2007A1797	BL40XU	篠原 佑也	
			2007B1060	BL40XU	篠原 佑也	
20743	Atsushi Shimamura	18 (2011) 092057	2010B1725	BL02B2	和田 智志	Preparation of Single Phase Bismuth Niobium Based Perovskite-type Oxides

## Journal of Alloys and Compounds

19887	Tatsuo Noritake	491 (2010) 57-62	2007A1454	BL02B2	則竹 達夫	Crystal Structure and Charge Density Analysis of Ca(BH <sub>4</sub> ) <sub>2</sub>
			2006B0127	BL02B2	則竹 達夫	
19890	Tatsuo Noritake	509 (2011) 7553-7558	2005B0897	BL19B2	則竹 達夫	Crystal Structure Change in the Dehydrogenation Process of the Li-Mg-N-H System
			2007B1851	BL19B2	則竹 達夫	
19929	Daiju Matsumura	509 (2011) S849-S852	2008B3618	BL14B1	松村 大樹	Fast and Real-time Observation of Hydrogen Absorption Kinetics for Palladium Nanoparticles
			2009A3618	BL14B1	松村 大樹	
			2009B1268	BL28B2	松村 大樹	
			2009B3606	BL14B1	松村 大樹	
			2010A3610	BL14B1	松村 大樹	
20795	Junji Saida	509S (2011) S27-S33	2007B1082	BL01B1	真田 貴志	Atomic Structure of Nanoscale Quasicrystal-Forming Zr-noble Metal Binary Metallic Glasses

## The Journal of Physical Chemistry C

20467	Kohsuke Mori	115 (2011) 21358-21362	2011A1092	BL01B1	森 浩亮	Photo-Induced Aerobic Oxidation Driven by Phosphorescence Ir(III) Complex Anchored to Mesoporous Silica
			2010B1098	BL01B1	森 浩亮	
20501	Toyoki Okumura	115 (2011) 12990-12994	2010B1036	BL14B2	内本 喜晴	Lithium-Ion Transfer Reaction at the Interface between Partially Fluorinated Insertion Electrodes and Electrolyte Solutions
20712	Eva Cespedes	115 (2011) 24092-24101	2010A1628	BL39XU	Prieto Carlos	On the Origin of the Magnetism of Mn-Zn-O Systems: Structural, Electronic, and Magnetic Study of Exotic MnO <sub>2-δ</sub> /ZnO Thin Films
			2010B0024	BL39XU	Chaboy Jesus	
			2009B0024	BL39XU	Chaboy Jesus	
20765	Hiroyuki Asakura	115 (2011) 23653-23663	2007A1805	BL01B1	山添 誠司	Structural Analysis of Group V, VI, and VII Metal Compounds by XAFS
			2008A1147	BL01B1	宍戸 哲也	

## Journal of Synchrotron Radiation

19877	Yoshiharu Uchimoto	8 (2001) 857-859	1999A0308	BL01B1	内本 喜晴	EXAFS Study of Crystal Structures of (Ba <sub>1-x</sub> La <sub>x</sub> ) <sub>2</sub> In <sub>2</sub> O <sub>5+x</sub> and Their Oxide Ion Conductivity
20160	Takayuki Muro	18 (2011) 879-884	2009B2110	BL25SU	室 隆桂之	Development of a Soft X-ray Angle-resolved Photoemission System Applicable to 100-μm Crystals
			2010A1972	BL25SU	室 隆桂之	
20204	Hajime Tanida	18 (2011) 919-922	2010B1028	BL01B1	小久見 善八	<i>In situ</i> Two-Dimensional Imaging Quick-Scanning XAFS with Pixel Array Detector
20831	Hiroshi Oji	19 (2012) 54-59	2009B2132	BL14B2	陰地 宏	Automatic XAFS Measurement System Developed at BL14B2 in SPring-8
			2010A1955	BL14B2	陰地 宏	
			2009B2134	BL14B2	谷口 陽介	

**Physics of the Earth and Planetary Interiors**

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
19802	Kyusei Tsuno	160 (2007) 75-85	2006A1544	BL04B1	大谷 栄治	Immiscible Two-Liquid Regions in the Fe-O-S System at High Pressure: Implications for Planetary Cores
19806	Asami Sano	159 (2006) 118-126	2005B0382	BL04B1	大谷 栄治	In situ X-ray Diffraction Study on the Effect of Water on the Garnet-Perovskite Transformation in MORB and Implications for the Penetration of Oceanic Crust into the Lower Mantle
			2004B0644	BL04B1	大谷 栄治	
			2002B0566	BL04B1	大谷 栄治	
			2002A0298	BL04B1	大谷 栄治	
20250	Ryuichi Nomura	183 (2010) 104-109	2009A0087	BL10XU	廣瀬 敬	Precise Determination of Post-stishovite Phase Transition Boundary and Implications for Seismic Heterogeneities in the Mid-lower Mantle
20785	Masayuki Nishi	189 (2011) 47-55	2008A1716	BL04B1	西 真之	Exsolution Kinetics of Majoritic Garnet from Clinopyroxene in Subducting Oceanic Crust

**Acta Crystallographica Section A**

20715	Kouhei Okitsu	67 (2011) 550-556	2004A0330	BL09XU	沖津 康平	Polarization-Dependent X-ray Six-Beam Pinhole Topographs for a Channel-Cut Silicon Crystal
20716	Kouhei Okitsu	67 (2011) 557-558	2004A0330	BL09XU	沖津 康平	On the Polarization State of X-rays Generated Using a Rotating Four-Quadrant X-ray Phase Retarder System
20717	Kouhei Okitsu	67 (2011) 559-560	2004A0330	BL09XU	沖津 康平	Computer-Simulated X-ray Three-Beam Pinhole Topographs for Spherical Silicon Crystals

**Biochemistry**

18263	Kosuke Inomata	47 (2008) 3266-3271	2007A1689	BL38B1	大木 出	Kinetic and Thermodynamic Evidence for Flipping of a Methyl-CpG Binding Domain on Methylated DNA
20570	Wakaba Iwasaki	50 (2011) 7822-7832	2009B1612	BL41XU	胡桃坂 仁志	Comprehensive Structural Analysis of Mutant Nucleosomes Containing Lysine to Glutamine (KQ) Substitutions in the H3 and H4 Histone-Fold Domains
20749	Yuki Takeuchi	48 (2009) 10637-10643	2007B1119	BL38B1	金谷 茂則	Requirement of a Unique Ca <sup>2+</sup> -binding Loop for Folding of Tk-subtilisin from a Hyperthermophilic Archaeon

**Chemical Communications**

13971	Takuji Hatakeyama	(2009) 1216-1218	2008B1873	BL14B2	中村 正治	Iron-Catalysed Fluoroaromatic Coupling Reactions under Catalytic Modulation with 1,2-Bis(diphenylphosphino) benzene
16943	Kotaro Fujii	46 (2010) 4264-4266	2006B0129	BL19B2	寺田 勝英	Selective Transformation Pathways between Crystalline Forms of an Organic Material Established from Powder X-ray Diffraction Analysis
20787	Tomohiro Seki	47 (2011) 12447-12449	2011A1638	BL02B2	矢貝 史樹	Solution Processable Hydrogen-Bonded Perylene Bisimide Assemblies Organizing into Lamellar Architectures

**Chemistry - A European Journal**

18783	Tomohiro Seki	17 (2011) 3598-3608	2011A1638	BL02B2	矢貝 史樹	Rational Construction of Perylene Bisimide Columnar Superstructures with Biased Helical Sense
20345	Hai-Long Jiang	17 (2011) 78-81	2009B1007	BL14B2	春田 正毅	Ultrafine Gold Clusters Incorporated into a Metal–Organic Framework
20590	Ichiro Hisaki	Online published (2011)	2009B1969	BL38B1	久木 一朗	Construction of 1D $\pi$ -Stacked Superstructures with Inclusion Channels through Symmetry-Decreasing Crystallization of Discotic Molecules of C <sub>3</sub> Symmetry
			2010A1427	BL38B1	久木 一朗	
			2010B1861	BL19B2	藤内 謙光	
			2010B1929	BL19B2	藤内 謙光	

## Crystal Growth &amp; Design

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
20295	Ming Chi Yang	8 (2008) 4268-4276	2008B4006	BL12B2	Chen Chun Jung	Rational Design for Crystallization of $\beta$ -Lactoglobulin and Vitamin D <sub>3</sub> Complex: Revealing a Secondary Binding Site
			2007A4004	BL12B2	Chen Chun Jung	
			2007A4014	BL12B2	Chen Chun Jung	
			2007B4007	BL12B2	Chen Chun Jung	
			2008A4001	BL12B2	Chen Chun Jung	
20591	Ichiro Hisaki	Online published (2011)	2009B2115	BL38B1	久木 一朗	Polymorphism of Dehydrobenzo[14]annulene Possessing Two Methyl Ester Groups in Noncentrosymmetric Positions
			2010A1427	BL38B1	久木 一朗	
20592	Ichiro Hisaki	11 (2011) 4652-4659	2010B1370	BL38B1	久木 一朗	Deoxycholamide Crystalline Frameworks as a Platform of Highly-Efficient Fluorescence Materials
			2011A1341	BL38B1	久木 一朗	

## The FEBS Journal

20737	Yuichi Koga	275 (2008) 2632-2643	2006A1733	BL38B1	金谷 茂則	Crystal Structure of Highly Thermostable Glycerol Kinase from a Hyperthermophilic Archaeon in a Dimeric Form
			2006B1641	BL38B1	金谷 茂則	
			2006A6812	BL44XU	金谷 茂則	
20755	Muhammad Rohman	276 (2009) 603-613	2008A6909	BL44XU	金谷 茂則	Destabilization of Psychrotrophic RNase HI in a Localized Fashion as Revealed by Mutational and X-ray Crystallographic Analyses
20758	Mitsuru Haruki	274 (2007) 5815-5825	2006B1641	BL38B1	金谷 茂則	Structural and Thermodynamic Analyses of <i>Escherichia coli</i> RNase HI Variant with Quintuple Thermostabilizing Mutations

## Advances in X-Ray Analysis

20180	Jun Kikuma	54 (2011) 53-59	2008B1864	BL19B2	松野 信也	Development of an <i>in situ</i> X-ray Diffraction System for Hydrothermal Reactions and Its Application to Autoclaved Aerated Concrete Formation
			2009B1788	BL19B2	松野 信也	
20181	Kunio Matsui	54 (2011) 60-66	2008B1864	BL19B2	松野 信也	<i>In situ</i> Time-Resolved X-ray Diffraction of Tobermorite Formation Process under Hydrothermal Condition: Influence of Reactive Al Compound
			2009B1788	BL19B2	松野 信也	

## American Mineralogist

19859	Satoshi Mitsunobu	96 (2011) 1171-1181	2009A1243	BL37XU	高橋 嘉夫	Identification and Characterization of Nanosized Triphuyite in Soil Near Sb Mine Tailings
			2009A1571	BL01B1	光延 聖	
			2009B1575	BL01B1	光延 聖	
			2008A1463	BL37XU	高橋 嘉夫	
20485	Takaaki Kawazoe	96 (2011) 1665-1672	2010A0082	BL04B1	入船 徹男	<i>In situ</i> Stress-Strain Measurements in a Deformation-DIA Apparatus at <i>P-T</i> Conditions of the Upper Part of the Mantle Transition Zone
			2010B0082	BL04B1	入船 徹男	

## Angewandte Chemie International Edition

14344	Daisuke Tanaka	47 (2008) 3914-3918	2006A0185	BL02B2	北川 進	Kinetic Gate-Opening Process in a Flexible Porous Coordination Polymer
20821	Naoaki Hayashi	50 (2011) 12547-12550	2009B4910	BL15XU	陰山 洋	BaFeO <sub>3</sub> : A Ferromagnetic Iron Oxide
			2010A4900	BL15XU	陰山 洋	
			2010B4904	BL15XU	小林 洋治	
			2011A4902	BL15XU	Tassel Cedric	

### Applied Physics Express

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
19193	Akane Agui	4 (2011) 083002	2007A1360	BL08W	安居院 あかね	Microscopic Magnetization Process in Tb <sub>43</sub> Co <sub>57</sub> Film by Magnetic Compton Scattering
			2008B1643	BL08W	安居院 あかね	
20359	Hirokazu Fukidome	4 (2011) 115104	2010A3875	BL23SU	末光 眞希	Controls over Structural and Electronic Properties of
			2010B3878	BL23SU	末光 眞希	Epitaxial Graphene on Silicon Using Surface
			2010B1712	BL17SU	吹留 博一	Termination of 3C-SiC(111)/Si

### Biochemical and Biophysical Research Communications

20162	Yoshiyuki Matsuura	414 (2011) 373-378	2009A2000	BL41XU	松浦 能行	Sensing Actin Dynamics: Structural Basis for G-actin- sensitive Nuclear Import of MAL
			2009B1077	BL41XU	松浦 能行	
			2010A1043	BL41XU	松浦 能行	
			2010B1072	BL41XU	松浦 能行	
			2011A1093	BL41XU	松浦 能行	
			2011A1875	BL41XU	松浦 能行	
20290	Chun Jung Chen	349 (2006) 79-90	2006B4132	BL12B2	Chen Chun Jung	Crystal Structure of Rubredoxin from <i>Desulfovibrio</i> <i>gigas</i> to Ultra-high 0.68 Å Resolution
			2005B4125	BL12B2	Chen Chun Jung	

### Chemical Geology

19785	Eiji Ohtani	265 (2009) 279-288	2008B3726	BL22XU	大谷 栄治	Melting Relations and the Equation of State of Magmas at High Pressure: Application to Geodynamics
19928	Brent Poe	229 (2006) 2-9	2005B0375	BL04B1	寺崎 英紀	High-Temperature Viscosity Measurements of Hydrus Albite Liquid using in-situ Falling-Sphere Viscometry at 2.5 GPa

### Chemistry of Materials

20011	Alexei Belik	23 (2011) 4505-4514	2009A1136	BL02B2	Belik Alexei	Structure and Magnetic Properties of BiFe <sub>0.75</sub> Mn <sub>0.25</sub> O <sub>3</sub> Perovskite Prepared at Ambient and High Pressure
			2010A1215	BL02B2	Belik Alexei	
20473	Seiji Yamazoe	23 (2011) 4498-4504	2010A1499	BL28B2	山添 誠司	Synthetic Mechanism of Perovskite-Type KNbO <sub>3</sub> by Modified Solid-Stat Reaction Process
			2009A1593	BL37XU	山添 誠司	
			2009A1401	BL28B2	山添 誠司	
			2008B1101	BL01B1	山添 誠司	

### Inorganic Chemistry

17144	Takuya Kurahashi	49 (2010) 6664-6672	2007A1090	BL01B1	倉橋 拓也	Unique Properties and Reactivity of High-Valent Manganese–Oxo versus Manganese–Hydroxo in the Salen Platform
19465	Biao Zhou	46 (2010) 6740-6747	2009B0084	BL02B2	久保田 佳基	Single-Component Molecular Conductor [Cu(tmdt) <sub>2</sub> ] Containing an Antiferromagnetic Heisenberg Chain

### International Journal of Hydrogen Energy

20309	Sanjay Kumar Singh	36 (2011) 11794-11801	2010B1006	BL14B2	春田 正毅	Nickel-Paradium Nanoparticles Catalyzed Hydrogen Generation from Hydrus Hydrazine for Chemical Hydrogen Storage
20634	Yong-Jun Liu	36 (2011) 12902-12908	2010B1469	BL02B2	加納 博文	Hydrogen Absorption Enhancement of Nanocrystalline Li <sub>3</sub> N/Li <sub>2</sub> C <sub>2</sub> Composite

### ISIJ International

15099	Hidenori Terasaki	48 (2008) 1752-1757	2006B0205	BL46XU	小薄 孝裕	Analysis of Inclusion Core under the Weld Pool of High Strength and Low Alloy Steel
			2007A1926	BL01B1	寺崎 秀紀	
19075	Hideyuki Yasuda	51 (2011) 402-408	2009B0014	BL20B2	安田 秀幸	Development of X-ray Imaging for Observing Solidification of Carbon Steels
			2009A0014	BL20B2	安田 秀幸	
			2008B0014	BL20B2	安田 秀幸	
			2008A0014	BL20B2	安田 秀幸	
			2007B0014	BL20B2	安田 秀幸	
			2007A0014	BL20B2	安田 秀幸	
			2009B1532	BL20XU	安田 秀幸	

## The Journal of Biochemistry

研究成果番号	著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
15419	Haruko Sakurama	145 (2009) 555-563	2007B1418	BL38B1	三上 文三	Two Crystal Structure of Lysyl-tRNA Synthetase from <i>Bacillus stearothermophilus</i> in Complex with Lysyladenylate-Like Compounds: Insights into the Irreversible Formation of the Enzyme-Bound Adenylate of L-lysine Hydroxamate
19981	Tetsuya Abe	150 (2011) 403-409	2008A1866	BL40B2	岡 俊彦	StHsp14.0, a Small Heat Shock Protein of <i>Sulfolobus tokodaii</i> Strain 7, Protects Denatured Proteins from Aggregation in the Partially Dissociated Conformation
			2008B1977	BL40B2	岡 俊彦	
			2009A1874	BL40B2	岡 俊彦	
			2009B1921	BL40B2	岡 俊彦	

## Materials Research Society Symposia Proceedings

20369	Akitoshi Mizuno	1152E (2009) TT03-06	2006A1172	BL04B2	水野 章敏	Liquid Structures of Metallic Glass-forming Binary Zr Alloys
			2007A1145	BL04B2	水野 章敏	
			2006B1069	BL04B2	水野 章敏	
20370	Toshihiko Akimoto	1152E (2009) TT01-04	2007B1352	BL04B2	水野 章敏	Solidification of Bulk Metallic Glass-forming Alloys Observed by Time-resolved X-ray Diffraction Combined with Levitation Technique
			2008B1536	BL04B2	水野 章敏	

## Materials Science Forum

20025	Heiji Watanabe	679-680 (2011) 386-389	2008A3877	BL23SU	渡部 平司	Energy Band Structure of SiO <sub>2</sub> /4H-SiC Interfaces and its Modulation Induced by Intrinsic and Extrinsic Interface Charge Transfer
			2009A3875	BL23SU	渡部 平司	
			2010A3876	BL23SU	渡部 平司	
20220	Yoshiaki Akiniwa	652 (2010) 290-295	2008A3612	BL14B1	桐山 幸治	Strain Measurement near Fatigue Crack in Ultrafine-Grained Steel by Polychromatic Synchrotron Radiation

## Nucleic Acids Research

20301	Takao Arimori	39 (2011) 8972-8983	2007A2103	BL41XU	山縣 ゆり子	Diverse Substrate Recognition and Hydrolysis Mechanisms of Human NUDT5
			2007A6936	BL44XU	山縣 ゆり子	
			2007B1523	BL41XU	山縣 ゆり子	
			2009A6929	BL44XU	中村 照也	
20543	Akira Hirata	39 (2011) 9376-9389	2008B2177	BL38B1	平田 章	Cleavage of Intron from the Standard or Non-Standard Position of the Precursor tRNA by the Splicing Endonuclease of <i>Aeropyrum pernix</i> , a Hyper-Thermophilic Crenarchaeon, Involves a Novel RNA Recognition Site in the Crenarchaea Specific Loop
			2009B1125	BL38B1	平田 章	
			2010A1263	BL41XU	堀 弘幸	

## Optics Express

19812	Sebastien Harasse	19 (2011) 16560-16573	2010A1164	BL20XU	百生 敦	Iterative Reconstruction in X-ray Computed Laminography from Differential Phase Measurements
20175	Kaye Morgan	19 (2011) 19781-19789	2011A1590	BL20XU	Morgan Kaye	Quantitative Single-Exposure X-ray Phase Contrast Imaging using a Single Attenuation Grid
			2010B1137	BL20XU	Donnelley Martin	

## Organic Letters

15000	Takuji Hatakeyama	11 (2009) 4496-4499	2009A1848	BL14B2	畠山 琢次	Iron-Catalyzed Negishi Coupling Toward an Effective Olefin Synthesis
20788	Takuji Hatakeyama	13 (2011) 2130-2133	2009B1785	BL19B2	畠山 琢次	Tandem Phospha-Friedel-Crafts Reaction Toward Curved $\pi$ -Conjugated Frameworks with A Phosphorus Ring Junction



**Physical Chemistry Chemical Physics**

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
20465	Kohsuke Mori	13 (2011) 15821-15824	2010A1540	BL01B1	森 浩亮	Size Controlled Deposition of Ag Nanoparticles on Alumina by the Assist of Photo-induced Chromic Reaction and Study of Their Catalysis
20701	Junya Ohyama	13 (2011) 11128-11135	2009A1663	BL40XU	大山 順也	An <i>in situ</i> Quick XAFS Spectroscopy Study on the Formation Mechanism of Small Gold Nanoparticles Supported by Porphyrin-Cored Tetradentate Passivants
			2009B1712	BL40XU	大山 順也	

**Physical Review Letters**

20302	Iina Juurinen	107 (2011) 197401	2006A0201	BL08W	中原 光一	Measurement of Two Solvation Regimes in Water-Ethanol Mixtures Using X-ray Compton Scattering
			2007A1378	BL08W	中原 光一	
20633	Jun Fujii	107 (2011) 187203	2009B4903	BL15XU	Panaccione Giancarlo	Identification of Different Electron Screening Behavior Between the Bulk and Surface of (Ga,Mn)As
			2010B4900	BL15XU	Panaccione Giancarlo	

**Physics and Chemistry of Minerals**

19146	Saori Imada	38 (2011) 557-560	2010A0087	BL10XU	廣瀬 敬	Stabilities of NAL and Ca-ferrite-type Phases on the Join NaAlSiO <sub>4</sub> -MgAl <sub>2</sub> O <sub>4</sub> at High Pressure
			2009B0087	BL10XU	廣瀬 敬	
20338	Shigeaki Ono	38 (2011) 735-740	2008A1090	BL04B1	小野 重明	In situ Observation of a Garnet/Perovskite Transition in CaGeO <sub>3</sub>

**PLoS One**

20198	Tso-Ning Li	6 (2011) e22036	2010A4018	BL12B2	Chou Shan-Ho	A Novel Tetrameric PilZ Domain Structure from Xanthomonads
			2010A4007	BL12B2	Chou Shan-Ho	
20593	Masato Hoshino	6 (2011) e25140	2010A1251	BL20B2	毛利 聡	Optical Properties of In Situ Eye Lenses Measured with X-Ray Talbot Interferometry: A Novel Measure of Growth Processes
			2010A1450	BL20B2	星野 真人	
			2010B1293	BL20B2	星野 真人	
			2009A1887	BL20B2	毛利 聡	
			2010B1265	BL20B2	毛利 聡	
2011A1199	BL20B2	Pierscionek Barbara				

**Review of Scientific Instruments**

19095	Yuki Nakamoto	82 (2011) 066104	2010A1377	BL10XU	角谷 均	High-Pressure Generation using Nano-Polycrystalline Diamonds as Anvil Materials
			2009B1481	BL10XU	角谷 均	
			2009A1192	BL10XU	角谷 均	
			2008B1415	BL10XU	角谷 均	
			2008A1632	BL10XU	角谷 均	
			2007B1639	BL10XU	中本 有紀	
			2007A1338	BL10XU	中本 有紀	
			2006B1240	BL10XU	中本 有紀	
			2005B0782	BL10XU	角谷 均	
20306	Koji Horiba	82 (2011) 113701	2009B7402	BL07LSU	組頭 広志	Scanning Photoelectron Microscope for Nanoscale Three-Dimensional Spatial-Resolved Electron Spectroscopy for Chemical Analysis
			2010A7402	BL07LSU	組頭 広志	
			2010B7402	BL07LSU	組頭 広志	
			2011A7402	BL07LSU	組頭 広志	

**RSC Advances**

20535	Tomoyuki Matsuda	1 (2011) 1716-1720	2010A1041	BL01B1	守友 浩	Network Dimensionalities and Thermal Expansion Properties of Metal Nitroprussides
			2010A1042	BL02B2	守友 浩	
			2011A1418	BL02B2	守友 浩	
20596	Yuichi Michiue	1 (2011) 1788-1793	2007B4504	BL15XU	道上 勇一	Electrical, Optical, and Thermoelectric Properties of Ga <sub>2</sub> O <sub>3</sub> (ZnO) <sub>9</sub>
			2009A4500	BL15XU	道上 勇一	

**Science**

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
18863	Tomoya Hino	330 (2010) 1666-1670	2007A2102	BL41XU	永野 真吾	Structural Basis of Biological N <sub>2</sub> O Generation by Bacterial Nitric Oxide Reductase
20385	Haruka Ozawa	334 (2011) 792-794	2010B0087	BL10XU	廣瀬 敬	Phase Transition of FeO and Stratification in Earth's Outer Core

**Superconductor Science and Technology**

19504	Michinaka Sugano	24 (2011) 075019	2009B1841	BL46XU	菅野 未知央	Bending Strain Analysis Considering a Shift of the Neutral Axis for YBCO Coated Conductors with and without Cu Stabilizing Layer
19816	Michinaka Sugano	22 (2009) 015002	2007A1730	BL46XU	菅野 未知央	The Direct Evaluation of the Internal Strain of Biaxially Textured YBCO Film in a Coated Conductor Using Synchrotron Radiation

**高圧力の科学と技術 (The Review of High Pressure Science and Technology)**

19916	Seiji Kamada	21 (2011) 77-83	2007B1476	BL10XU	寺崎 英紀	Phase and Melting Relationships in the Fe-S System under High Pressures: Application to the Temperature Profile in the Core
20475	Yoshinori Tange	21 (2011) 221-229	2006A1754	BL04B1	丹下 慶範	Development of Sintered Diamond Techniques in Kawai-Type Apparatus and Its Applications to Mineralogy of the Lower Mantle
			2006B1502	BL04B1	丹下 慶範	
			2007A1868	BL04B1	丹下 慶範	
			2007B1650	BL04B1	丹下 慶範	
			2008A1882	BL04B1	丹下 慶範	
			2008B1603	BL04B1	丹下 慶範	
			2009A1892	BL04B1	丹下 慶範	
			2009B1272	BL04B1	丹下 慶範	
			2010A1794	BL04B1	丹下 慶範	
2010B1566	BL10XU	丹下 慶範				

**ACS Catalysis**

20184	Atsushi Takagaki	1 (2011) 1562-1565	2011A1607	BL01B1	西村 俊	One-Pot Synthesis of 2,5-Diformylfuran from Carbohydrate Derivatives by Sulfonated Resin and Hydrotalcite-Supported Ruthenium Catalysts
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**ACS NANO**

20830	Minoru Osada	5 (2011) 6871-6879	2007A4608	BL15XU	長田 実	Orbital Reconstruction and Interface Ferromagnetism in Self-Assembled Nanosheet Superlattice
			2007B4605	BL15XU	長田 実	
			2008A4602	BL15XU	長田 実	
			2008A4800	BL15XU	小林 啓介	

**Acta Crystallographica Section E**

19805	Asami Sano	62 (2006) I216-I218	2006A1538	BL10XU	大谷 栄治	Redetermination of the High-Pressure Modification of AlOOH from Single-Crystal Synchrotron Data
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**Acta Materialia**

18809	Christopher Gourlay	59 (2011) 4933-4943	2008A1428	BL20B2	Gourlay Christopher	Granular Deformation Mechanisms in Semi-solid Alloys
			2008B1560	BL20XU	安田 秀幸	
			2008B0014	BL20B2	安田 秀幸	

**Advanced Functional Materials**

18808	Toshiyuki Matsunaga	21 (2011) 2232-2239	2007B1340	BL01B1	松永 利之	Phase-Change Materials: Vibrational Softening upon Crystallization and Its Impact on Thermal Properties
			2008B1911	BL02B2	松永 利之	

**The American Journal of Pathology**

19415	Sho Kanzaki	178 (2011) 1270-1278	2007B1787	BL20XU	松尾 光一	Impaired Vibration of Auditory Ossicles in Osteopetrotic Mice
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### Applied Catalysis A: General

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
18904	Satoshi Kameoka	375 (2010) 163-171	2009A4505	BL15XU	山本 昭二	Self-assembled Porous Nano-composite with High Catalytic Performance by Reduction of Tetragonal Spinel CuFe <sub>2</sub> O <sub>4</sub>

### Applied Mechanics and Materials

20710	Yoshikazu Nakai	83 (2011) 162-167	2007B1936	BL19B2	中井 善一	Initiation and Growth of Pits and Cracks in Corrosion Fatigue for High Strength Aluminium Alloy Observed by Micro Computed-tomography Using Ultra-bright Synchrotron Radiation
			2008A1886	BL19B2	中井 善一	

### Atmospheric Chemistry and Physics

20186	Yoshio Takahashi	11 (2011) 4289-4301	2009A1170	BL01B1	高橋 嘉夫	Oxalate Metal Complexes in Aerosol Particles: Implications for the Hygroscopicity of Oxalate-Containing Particles
			2009B1383	BL01B1	高橋 嘉夫	
			2010A1452	BL01B1	高橋 嘉夫	
			2011A1980	BL01B1	高橋 嘉夫	

### Bulletin of the Chemical Society of Japan

14945	Teppei Yamada	83 (2010) 42-48	2007B1642	BL02B2	山田 鉄兵	Structures and Proton Conductivity of One-Dimensional M(dhbq) · nH <sub>2</sub> O (M = Mg, Mn, Co, Ni, Zn, H <sub>2</sub> (dhbq) = 2,5-Dihydroxy-1,4-benzoquinone) Promoted by Connected Hydrogen-Bond Networks with Absorbed Water
			2008A1624	BL02B2	山田 鉄兵	
			2008B1138	BL02B2	山田 鉄兵	
			2009A1048	BL02B2	山田 鉄兵	

### Cardiovascular and Interventional Radiology

17544	Daigo Tanimoto	33 (2010) 1016-1021	2007B1405	BL20B2	谷本 大吾	Observation of Intravascular Changes of Superabsorbent Polymer Microsphere (SAP-MS) with Monochromatic X-ray Imaging
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### Catalysis Letters

18632	Hiroyuki Ohtsuka	141 (2011) 413-419	2008B2152	BL14B2	大塚 浩文	The Oxidation of Methane at Low Temperatures Over Zirconia-Supported Pd, Ir and Pt Catalysts and Deactivation by Sulfur Poisoning
			2008B2170	BL14B2	大塚 浩文	

### Catalysis Today

20312	Xiaohao Liu	175 (2011) 494-503	2010A1001	BL14B2	春田 正毅	Anti-ASF distribution in Fischer-Tropsch Synthesis over Unsupported Cobalt Catalysts in a Batch Slurry Phase Reactor
			2009B1007	BL14B2	春田 正毅	

### Ceramic Transactions

18239	Kentaro Suzuya	213 (2010) 33-38	2005B0880	BL04B2	岡村 清人	Intermediate-Range Order in Polymer-Route Si-C-O Fibers by High-Energy X-Ray Diffraction and Reverse Monte Carlo Modelling
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### Ceramics International

19914	Tsunenori Watanabe	37 (2011) 3183-3192	2008B5351	BL16B2	出口 博史	Synthesis of $\gamma$ -Ga <sub>2</sub> O <sub>3</sub> -Al <sub>2</sub> O <sub>3</sub> Solid Solutions by Spray Pyrolysis Method
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### Chemical Physics Letters

18738	Junya Ohyama	507 (2011) 105-110	2010A1608	BL40XU	大山 順也	<i>In Situ</i> Au L <sub>3</sub> and L <sub>2</sub> Edge XANES Spectral Analysis during Growth of Thiol Protected Gold Nanoparticles for the Study on Particle Size Dependent Electronic Properties
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### Chemistry-A European Journal

20786	Shiki Yagai	17 (2011) 13657-13660	2010B1698	BL02B2	矢貝 史樹	Catenation of Self-Assembled Nanorings
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**Dalton Transactions**

研究成果番号	著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
17949	Yusuke Takezawa	40 (2011) 2190-2195	2008B1301	BL38B1	上野 隆史	Incorporation of Organometallic Ru Complexes into Apo-ferritin Cage
			2009B1059	BL41XU	上野 隆史	
			2009B1065	BL38B1	上野 隆史	

**Electrochemistry Communications**

20638	Jun Maruyama	13 (2011) 1451-1454	2010B1780	BL14B2	丸山 純	One-pot Hybrid Physical-chemical Vapor Deposition for Formation of Carbonaceous Thin Film with Catalytic Activity for Oxygen Reduction
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**Europhysics Letters**

20212	Nozomu Hiraoka	96 (2011) 37007	2009B4260	BL12XU	平岡 望	dd Excitations in Three-Dimensional q-space: A Nonresonant Inelastic X-ray Scattering Study on NiO
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**Gene Therapy**

19869	Martin Donnelley	19 (2012) 8-14	2010A1523	BL20B2	Parsons David	Synchrotron Phase Contrast X-ray Imaging Reveals Fluid Dosing Dynamics for Gene Transfer into Mouse Airways
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**Genes to Cells**

20228	Tsunehiro Mizushima	16 (2011) 1071-1080	2009B6937	BL44XU	水島 恒裕	Structural Basis for Improved Efficacy of Therapeutic Antibodies on Defucosylation of Their Fc Glycans
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**High Pressure Research**

20474	Yoshinori Tange	31 (2011) 413-418	2003B0411	BL04B1	高橋 栄一	<i>In situ</i> Observation of Pressure Induced Electrical Resistance Changes in Zirconium: Pressure Calibration Points for the Large Volume Press at 8 and 35 GPa
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**IEICE Transactions on Electronics**

20333	Ichiro Hirosawa	E94-C (2011) 1755-1759	2009A1823	BL19B2	廣沢 一郎	Characterization of Vertical Alignment Film by X-Ray Reflectivity
			2010A1768	BL19B2	廣沢 一郎	

**International Journal of Greenhouse Gas Control**

20466	Hiroshi Deguchi	5 (2011) 1533-1539	2008B5050	BL16XU	出口 博史	Hydration Structure around CO <sub>2</sub> Captured in Aqueous Amine Solutions Observed by High Energy X-ray Scattering
			2009B5050	BL16XU	出口 博史	
			2010B5050	BL16XU	出口 博史	

**Journal of Agricultural and Food Chemistry**

15576	Takako Fukuda	56 (2008) 4145-4153	2007B1490	BL38B1	三上 文三	Characterization and Crystallography of Recombinant 7S Globulins of Adzuki Bean and Structure-Function Relationships with 7S Globulins of Various Crops
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**Journal of Applied Polymer Science**

20773	Jun Kawabata	122 (2011) 1913-1920	2008A1222	BL40B2	松葉 豪	Melt Memory Effects on Recrystallization of Polyamide 6 Revealed by Depolarized Light Scattering and Small-Angle X-ray Scattering
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**Journal of Bacteriology**

20296	Yuan-Lan Chiang	191 (2009) 7597-7608	2009A4004	BL12B2	Chen Chun Jung	Crystal Structure of Adenylylsulfate Reductase from <i>Desulfovibrio gigas</i> Suggests a Potential Self-regulation Mechanism Involving the C-terminus of the $\beta$ -subunit
			2007B4007	BL12B2	Chen Chun Jung	
			2008A4001	BL12B2	Chen Chun Jung	
			2008A4009	BL12B2	Chen Chun Jung	
			2008B4006	BL12B2	Chen Chun Jung	

**Journal of Electron Spectroscopy and Related Phenomena**

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
18785	Masaki Kobayashi	181 (2010) 239-241	2009A1854	BL14B2	尾嶋 正治	Electronic Structure of Pt-Co Cathode Catalysts in Membrane Electrolyte Assembly Observed by X-ray Absorption Fine Structure Spectroscopy with Different Probing Depth

**Journal of Fuel Cell Science and Technology, Transactions of the ASME**

20042	Masashi Mori	8 (2011) 051010	2007B1957	BL14B2	伊藤 孝憲	Evaluation of SrTi <sub>1-x</sub> Co <sub>x</sub> O <sub>3</sub> Perovskites (0 ≤ x ≤ 0.2) as Interconnect Materials for Solid Oxide Fuel Cells
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**Journal of Hazardous Materials**

20524	Takashi Fujimori	197 (2011) 345-351	2007B1687	BL02B2	藤森 崇	Thermochemical Chlorination of Carbon Indirectly Driven by an Unexpected Sulfide of Copper with Inorganic Chloride
			2008A1743	BL01B1	藤森 崇	

**Journal of Mineralogical and Petrological Sciences**

19793	Jun Tsuchiya	103 (2008) 116-120	2007A2090	BL10XU	大谷 栄治	First Principles Prediction of New High-Pressure Phase of InOOH
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**Journal of Non-Crystalline Solids**

18755	Tetsu Ichitsubo	357 (2011) 494-500	2008B1144	BL35XU	市坪 哲	Static Heterogeneity in Metallic Glasses and its Correlation to Physical Properties
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**Journal of Nuclear Materials**

20595	Takashi Sawabe	419 (2011) 310-319	2010A3230	BL24XU	園田 健	Microstructure of Oxide Layers Formed on Zirconium Alloy by Air Oxidation, Uniform Corrosion and Fresh-Green Surface Modification
			2009B3230	BL24XU	園田 健	

**The Journal of Physical Chemistry B**

19505	Yasuhiro Umebayashi	115 (2011) 12179-12191	2006B1286	BL04B2	梅林 泰宏	Liquid Structure of and Li <sup>+</sup> Ion Solvation in Bis(trifluoromethanesulfonyl)amide Based Ionic Liquids Composed of 1-ethyl-3-methylimidazolium and <i>N</i> -methyl- <i>N</i> -propylpyrrolidinium Cations
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**Journal of Solid State Chemistry**

20148	Alexei Belik	184 (2011) 3128-3133	2007A2087	BL02B2	Belik Alexei	Low-Temperature Structural Phase Transition in Synthetic Libethenite Cu <sub>2</sub> PO <sub>4</sub> OH
			2009A1136	BL02B2	Belik Alexei	

**The Journal of Strain Analysis for Engineering Design**

20203	Koji Kiriyaama	46 (2011) 697-705	2009A3606	BL14B1	桐山 幸治	Ageing Effects on the Lattice Strain Behaviour of Duplex Stainless Steel
			2009B3609	BL14B1	桐山 幸治	

**Journal of Structural Biology**

20297	Hong-Hsiang Guan	169 (2010) 294-303	2009B4002	BL12B2	Chen Chun Jung	Structures of Two Elapid Snake Venom Metalloproteases with Distinct Activities Highlight the Disulfide Patterns in the D Domain of ADAMalysin Family Proteins
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**Journal of Superconductivity and Novel Magnetism**

19815	Hossein Khosroabadi	23 (2010) 1385-1389	2007A1118	BL35XU	宮坂 茂樹	Softening of Bond Stretching Phonon Mode in Ba <sub>1-x</sub> K <sub>x</sub> BiO <sub>3</sub> Superconductor
			2007B1215	BL35XU	宮坂 茂樹	
			2008A1456	BL35XU	宮坂 茂樹	

**Journal of the American Ceramic Society**

19433	Isao Yamashita	91 (2008) 1634-1639	2005B0766	BL02B2	山下 勲	Synchrotron X-Ray Study of the Crystal Structure and Hydrothermal Degradation of Yttria-Stabilized Tetragonal Zirconia Polycrystal
			2006B0107	BL02B2	山下 勲	

## Journal of the Japan Petroleum Institute

研究成果番号	著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
20464	Kohsuke Mori	54 (2011) 1-14	2010B1098	BL01B1	森 浩亮	Design of Colloidal and Supported Metal Nanoparticles: Their Synthesis, Characterization, and Catalytic Application

## Journal of the Korean Physical Society

19969	Kenji Ohwada	59 (2011) 2509-2514	2010A1459	BL35XU	大和田 謙二	Effect of B-site Randomness on the Antiferroelectric/Relaxor Nature of the Ground State: Inelastic X-ray Scattering Study of $\text{Pb}(\text{In}_{1/2}\text{Nb}_{1/2})\text{O}_3$
			2009A1203	BL35XU	大和田 謙二	

## Journal of the Society of Powder Technology, Japan

19851	Mayumi Fujinaga	48 (2011) 618-624	2009A1472	BL43IR	寺田 勝英	Evaluation of the Change in Surface Properties of Particles Induced by Mechano-fusion Process
			2010A1357	BL43IR	寺田 勝英	
			2009B1470	BL43IR	寺田 勝英	

## Langmuir

17821	Junya Ohyama	26 (2010) 13907-13912	2007A1921	BL28B2	寺村 謙太郎	Investigation of the Formation Process of Photodeposited Rh Nanoparticles on $\text{TiO}_2$ by In Situ Time-Resolved Energy-Dispersive XAFS Analysis
			2007B1094	BL28B2	寺村 謙太郎	
			2008A1101	BL01B1	寺村 謙太郎	
			2008A1102	BL28B2	寺村 謙太郎	

## Macromolecules

20364	KyoungHou Kim	44 (2011) 7378-7384	2006B1396	BL40B2	浦川 宏	Microsecond Analysis of Quasi-Smectic Fibrillar Structure in the Continuous Fiber Drawing of Poly(ethylene terephthalate)
			2007A1674	BL40B2	浦川 宏	
			2008A1485	BL40B2	浦川 宏	
			2009B1226	BL40B2	大越 豊	

## Materials Letters

18841	Hidenori Terasaki	65 (2011) 1745-1748	2010B1886	BL46XU	寺崎 秀紀	In situ Studies of Nonlinear d-spacing Changes in Titanium and Steel Alloys
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## Materials Transactions

19913	Daiju Matsumura	52 (2011) 635-640	2008B3619	BL14B1	松村 大樹	Correlation between Structure of Titanium Additives and Dehydrogenation Reaction of Magnesium Borohydride Studied by Continuous Observation of X-Ray Absorption Spectroscopy
			2009A3616	BL14B1	松村 大樹	
			2009A3618	BL14B1	松村 大樹	
			2009B3606	BL14B1	松村 大樹	

## Metallomics

20582	Emiko Harada	3 (2011) 1340-1346	2009B1502	BL37XU	原田 英美子	Assessment of Willow ( <i>Salix</i> sp.) as a Woody Heavy Metal Accumulator: Field Survey and <i>in vivo</i> X-ray Analyses
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## Molecular and Cellular Biochemistry

20179	Takayoshi Kinoshita	356 (2011) 97-105	2011A6617	BL44XU	木下 誉富	A Detailed Thermodynamic Profile of Cyclopentyl and Isopropyl Derivatives Binding to CK2 Kinase
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## Molecular Cell

20477	Nobuo Noda	44 (2011) 462-475	2007B1605	BL41XU	野田 展生	Structural Basis of Atg8 Activation by a Homodimeric E1, Atg7
			2008A2021	BL41XU	稲垣 冬彦	
			理研	BL32XU		

### Molecular Microbiology

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
20300	Yin-cheng Hsieh	78 (2010) 1101-1116	2010B4000	BL12B2	Chen Chun Jung	Structural Insights into the Enzyme Catalysis from Comparison of Three Forms of Dissimilatory Sulfite Reductase from <i>Desulfovibrio Gigas</i>
			2008B4006	BL12B2	Chen Chun Jung	
			2009A4004	BL12B2	Chen Chun Jung	
			2009B4002	BL12B2	Chen Chun Jung	
			2010A4004	BL12B2	Chen Chun Jung	

### Nature

19145	Ryuichi Nomura	473 (2011) 199-202	2010B4250	BL12XU	廣瀬 敬	Spin Crossover and Iron-rich Silicate Melt in the Earth's Deep Mantle
			2010A0087	BL10XU	廣瀬 敬	

### Nature Communications

19850	Masaki Azuma	2 (2011) 347	2003A0474	BL02B2	東 正樹	Colossal Negative Thermal Expansion in BiNiO <sub>3</sub> Induced by Intermetallic Charge Transfer
			2008A1283	BL39XU	東 正樹	

### Nature Materials

20801	Alexander Gray	10 (2011) 759-764	2008A4906	BL15XU	Fadley Charles	Probing Bulk Electronic Structure with Hard X-ray Angle-Resolved Photoemission
			2008B4800	BL15XU	小林 啓介	
			2009A4906	BL15XU	Fadley Charles	

### Nature Structural and Molecular Biology

19421	Takahide Kon	18 (2011) 638-641	2006B6816	BL44XU	栗栖 源嗣	X-ray Structure of a Functional Full-Length Dynein Motor Domain
			2007B6816	BL44XU	栗栖 源嗣	
			2008A1393	BL41XU	栗栖 源嗣	

### Nuclear Instruments and Methods in Physics Research Section A

20332	Takahiro Tanaka	659 (2011) 528-530	2009B1190	BL27SU	齋藤 則生	Improvement of a Cryogenic Radiometer for XFEL Absolute Intensity Measurement
			2010B1304	BL27SU	齋藤 則生	

### Nuclear Science

17639	Hideaki Shiwaku	6288 (2007) 301-306	2006A3504	BL11XU	塩飽 秀啓	XAFS Studies on Actinide-Pyridine-Diamide Complexes for Development of an Innovative Separation Process
			2006B3504	BL11XU	塩飽 秀啓	
			2005B3504	BL11XU	塩飽 秀啓	

### Physica B

19452	Yoshifumi Sakaguchi	406 (2011) 2443-2447	2010A1375	BL04B2	坂口 佳史	Research on Glass Cells for <sup>3</sup> He Neutron Spin Filters
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### Physica Status Solidi C

19454	Kenji Kikuchi	8 (2011) 2801-2804	2010A1884	BL46XU	菊地 健司	Hole-blocking Mechanism in High-Gain Avalanche Rushing Amorphous Photoconductor (HARP) Film
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**Physical Review C**

研究成果番号	著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
20508	Wen Chen Chang	82 (2010) 015205	C01A6001	BL33LEP	中野 貴志	Measurement of Spin-Density Matrix Elements for $\eta$ -Meson Photoproduction from Protons and Deuterons Near Threshold
			C01B6001	BL33LEP	中野 貴志	
			C02A6001	BL33LEP	中野 貴志	
			C02B6001	BL33LEP	中野 貴志	
			C03A6001	BL33LEP	中野 貴志	
			C03B6001	BL33LEP	中野 貴志	
			C05A6001	BL33LEP	中野 貴志	
			2005B6001	BL33LEP	堀田 智明	
			2006A6001	BL33LEP	堀田 智明	
			2006B6001	BL33LEP	堀田 智明	
			2007A6001	BL33LEP	堀田 智明	
			2007B6001	BL33LEP	堀田 智明	
			2008A6001	BL33LEP	堀田 智明	
			2008B6001	BL33LEP	堀田 智明	
2009A6001	BL33LEP	堀田 智明				
2009B6001	BL33LEP	堀田 智明				

**Physics in Medicine and Biology**

20336	Mario Beltran	56 (2011) 7353-7369	2009A1882	BL20B2	Kitchen Marcus	Interface-Specific X-ray Phase Retrieval Tomography of Complex Biological Organs
			2009A0022	BL20B2	Lewis Rob	

**Proceedings of 2010 ISAF & ECAPD**

19970	Hidesada Natsui	(2010) 3	2009B1067	BL02B2	余野 建定	Crystal Structure Analysis of Manganese and Gallium Doped Hexagonal BaTiO <sub>3</sub> by Synchrotron Radiation Powder Diffraction
			2009B0084	BL02B2	久保田 佳基	
			2010A1220	BL02B2	増野 敦信	
			2010A0084	BL02B2	久保田 佳基	

**Proceedings of the National Academy of Sciences of the United States of America**

18816	Shun Hirota	107 (2010) 12854-12859	2011A1204	BL38B1	長尾 聡	Cytochrome c Polymerization by Successive Domain Swapping at the C-Terminal Helix
			2010B1041	BL38B1	廣田 俊	

**Progress in Nuclear Energy**

20020	Haruaki Matsuura	53 (2011) 930-934	2004A0547	BL01B1	松浦 治明	<i>In-situ</i> Observation Technique of Electrodeposition Reaction by X-ray from Synchrotron Source
			2004B0914	BL19B2	松浦 治明	
			2005A0697	BL19B2	松浦 治明	
			2005A0696	BL01B1	松浦 治明	
			2005B0712	BL19B2	松浦 治明	

**Protein Engineering Design and Selection**

20740	Kastumasa Kuwahara	21 (2008) 737-744	2007A1336	BL38B1	金谷 茂則	Importance of the Ca <sup>2+</sup> -binding Sites in the N-catalytic Domain of a Family I.3 Lipase for Activity and Stability
			2007B1117	BL38B1	金谷 茂則	

**Protein Science**

20757	Cahyo Budiman	20 (2011) 1755-1764	2010A1158	BL38B1	金谷 茂則	Crystal Structure of N-domain of FKBP22 from <i>Shewanella</i> sp. SIB1: Dimer Dissociation by Disruption of Val-Leu Knot
			2010A6915	BL44XU	金谷 茂則	

**Research on Chemical Intermediates**

16985	Shuai Yuan	34 (2008) 519-524	2007B1245	BL01B1	森 浩亮	Photoluminescence Properties of Ag <sub>2</sub> S Semiconductor Clusters Synthesized in Microporous and Mesoporous
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**Russian Geology and Geophysics**

19783	Eiji Ohtani	50 (2009) 1073-1078	2007A1701	BL04B1	大谷 栄治	The Role of Water in the Deep Upper Mantle and Transition Zone: Dehydration of Stagnant Slabs and Its Effects on the Big Mantle Wedge
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**Scripta Materialia**

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
19455	Ming Yan	65 (2011) 755-758	2010A1196	BL04B2	Yan Ming	The Influence of Topological Structure on Bulk Glass Formation in Al-based Metallic Glasses

**Small**

18782	Shiki Yagai	6 (2010) 2731-2740	2009A1692	BL13XU	矢貝 史樹	Structural and Electronic Properties of Extremely Long Electron-Conductive Perylene Bisimide Nanofibers Formed through a Stoichiometrically-Mismatched Complexation between Complimentary Multiple Hydrogen-Bonding Modules
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**Solid State Electronics**

19069	Kohei Ebihara	60 (2011) 26-30	2009A1524	BL13XU	酒井 朗	X-ray Microdiffraction Investigation of Crystallinity and Strain Relaxation in Ge Thin Lines Selectively Grown on Si(001) Substrates
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**Topics in Applied Physics**

19624	Atsushi Takahara	117 (2010) 169-190	2008A1523	BL02B2	高原 淳	Structure and Properties of Imogolite Nanotubes and Their Application to Polymer Nanocomposites
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**Topics in Catalysis**

19947	Masashi Taniguchi	42-43 (2007) 367-371	2006B3615	BL14B1	谷口 昌司	The Self-regenerative Pd-, Rh-, and Pt-perovskite Catalysts
			2001B0511	BL01B1	西畑 保雄	
			2002B0605	BL01B1	西畑 保雄	
			2005A0361	BL01B1	谷口 昌司	
			2005B3602	BL14B1	谷口 昌司	

**Transactions of the Materials Research Society of Japan**

19820	Yasuhiro Yoneda	36 (2011) 23-26	2009A3610	BL14B1	米田 安宏	Growth of Bi-Ti-O Particles by Ion Implantation
			2009B3616	BL14B1	米田 安宏	
			2010A3607	BL14B1	米田 安宏	

**Zeitschrift für Anorganische und Allgemeine Chemie**

19980	Masahiro Sadakane	637 (2011) 1467-1474	2009B1336	BL01B1	定金 正洋	Preparation and Structural Characterization of Ru <sup>II</sup> -DMSO and Ru <sup>III</sup> -DMSO-substituted $\alpha$ -Keggin-type Phosphotungstates, [PW <sub>11</sub> O <sub>39</sub> Ru <sup>II</sup> DMSO] <sup>5-</sup> and [PW <sub>11</sub> O <sub>39</sub> Ru <sup>III</sup> DMSO] <sup>4-</sup> , and Catalytic Activity for Water Oxidation
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**材料 (Journal of the Society of Materials Science, Japan)**

19462	Shinya Kitayama	59 (2010) 666-670	2009B1792	BL14B2	西本 哲朗	Highly Efficient Ultra-Violet Luminescence from Low-Temperature Grown AlGdN
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**日本機械学会論文集 B編 (Transactions of the Japan Society of Mechanical Engineers, Series B)**

20387	Ryo Koresawa	77 (2011) 2019-2027	2010A1487	BL20XU	荒木 拓人	Simultaneous Measurement of Oxygen Diffusivity and Visualization of Moisture Distribution in Gas Diffusion with Wettability Distribution for Improvement of Polymer Electrolyte Fuel Cell Performance
			2011A1760	BL20B2	宇高 義郎	

**日本金属学会誌 (The Journal of the Japan Institute of Metals)**

19823	Akimitsu Ishihara	75 (2011) 552-556	2009B1821	BL14B2	石原 顕光	Catalytic Activity for Oxygen Reduction Reaction on Tantalum Oxide-Based Compounds (2) Active Sites of TaON Thin Film Catalysts and Role of Carbon
			2010A1740	BL14B2	今井 英人	
			2010A1748	BL14B2	石原 顕光	
			2010B1792	BL14B2	今井 英人	
			2010B1888	BL14B2	今井 英人	

## 日本マイクログラビティ応用学会誌 (Journal of the Japan Society of Microgravity Application)

研究成果番号	著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
18198	Akitoshi Mizuno	27 (2010) 222-226	2008B1536	BL04B2	水野 章敏	Time-Resolved X-ray Diffraction during Container less Solidification of Zr-Based Alloys
			2009A1254	BL04B2	水野 章敏	
			2009B1569	BL08W	水野 章敏	

## 博士論文 (University of California, Berkeley)

20158	Zoe Boekelheide	(2011)	2009A4906	BL15XU	Fadley Charles	Effects of Nanoscale Structure on the Magnetism and Transport Properties of Chromium and Chromium-Aluminum Alloys
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## 博士論文 (University of California, Davis)

19915	Alexander Gray	(2011)	2009A4906	BL15XU	Fadley Charles	Depth-resolved Electronic Structure of Spintronic Nanostructures and Complex Materials with Soft and Hard X-ray Photoemission
			2010A4902	BL15XU	Fadley Charles	

## 博士論文 (University of Washington)

19952	Tracy Lovejoy	(2010)	2009A4800	BL15XU	小林 啓介	III-VI Semiconductors and Oxides: Electronic Structure, Surface Morphology, and Transition Metal Doping of Ga <sub>2</sub> Se <sub>3</sub> , In <sub>2</sub> Se <sub>3</sub> , and Ga <sub>2</sub> O <sub>3</sub>
			2009B4800	BL15XU	Lovejoy Tracy	

## 博士論文 (慶應義塾大学)

19388	Yojiro Oba	(2009)	2007A1571	BL25SU	佐藤 徹哉	Ferromagnetism Induced by Strain in Pd Nanoparticles
			2006A1233	BL25SU	佐藤 徹哉	

## 博士論文 (東京大学)

19423	Hironori Suzuki	(2011)	2008B1179	BL38B1	野口 修治	Structural Biological Study on Co-chaperon Mechanism of Human Heat-Shock Protein Hdj1
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## 博士論文 (豊田工業大学)

17161	Takuo Sasaki	21 (2010)	2008B3571	BL11XU	山口 真史	Study of Strain Relaxation Mechanisms in Lattice-mismatched III-V Heteroepitaxy
			2009A3573	BL11XU	山口 真史	
			2009B3571	BL11XU	山口 真史	

## 課題以外の成果として登録された論文

## Acta Crystallographica Section D

研究成果番号	著者	雑誌情報	課題番号	ビームライン	タイトル
20708	Ryuichi Asano	67 (2011) 149-155	理研	BL26B2	An Additional C-terminal Loop in Endonuclease IV, an Apurinic/Apyrimidinic Endonuclease, Controls Binding Affinity to DNA

## Applied Physics Letters

20153	Yukio Takahashi	99 (2011) 131905	理研	BL29XU	Multiscale Element Mapping of Buried Structures by Ptychographic X-ray Diffraction Microscopy using Anomalous Scattering
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## Biochemistry

20709	Fumiaki Tomoike	50 (2011) 4597-4607	理研	BL26B2	A Single Amino Acid Limits the Substrate Specificity of <i>Thermus thermophilus</i> Uridine-Cytidine Kinase to Cytidine
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## IEEE Journal of Selected Topics in Quantum Electronics

20414	Jianwei Miao	PP (2011) 1-16	理研	BL29XU	Coherent Diffraction Imaging with X-rays
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## Japanese Journal of Applied Physics

18633	Akitaka Yoshigoe	49 (2010) 115704	原研	BL23SU	Immediate Products after Exposing Si(111)-7x7 Surface to O <sub>2</sub> at 300 K
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**Journal of Applied Crystallography**

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	タイトル
17980	Shuji Akiyama	43 (2010) 237-243	理研	BL45XU	Quality Control of Protein Standards for Molecular Mass Determinations by Small-Angle X-ray Scattering

**Journal of Molecular Biology**

19983	Masaki Unno	413 (2011) 667-683	理研	BL44B2	Binding and Selectivity of the Marine Toxin Neodysiherbaine A and Its Synthetic Analogues to GluK1 and GluK2 Kainate Receptors
			理研	BL26B1	
			理研	BL26B2	

**Journal of the Vacuum Society of Japan**

20599	Kazuhiro Tamura	54 (2011) 155-157	加速器	BL05SS	Development of Ultra-High Vacuum Chamber Made of Tungsten Alloy for Radiation Shield
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**Proceedings of the National Academy of Sciences of the United States of America**

20763	Shinya Saijo	108 (2011) 19955-19960	理研	BL41XU	Crystal Structure of the Central Axis DF Complex of the Prokaryotic V-ATPase
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