

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

SPring-8において実施された研究課題等の成果が公表された場合はJASRIの成果登録データベースに登録していただくことになっており、その内容は以下のURL（SPring-8論文データベース検索ページ）で検索できます。

http://www.spring8.or.jp/ja/science/publication_database/

このデータベースに登録された原著論文の内、平成22年4月～6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。

http://www.spring8.or.jp/ja/news_publications/publications/user_exp_report/

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2010年4月～6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
The Journal of Biological Chemistry	19	Applied Physics Letters	4
Journal of Physics: Conference Series	16	Biochemistry	4
Journal of Physics B	10	Journal of the American Chemical Society	4
Journal of Molecular Biology	9	Physical Review B	4
Acta Crystallography Section F	7	Proceedings of the National Academy of the United States of America	4
Journal of Alloys and Compounds	7	Review of Scientific Instruments	4
Journal of the Physical Society of Japan	6		
Journal of Applied Physics	5		
Physical Review Letters	5		

他全117誌、計250報

課題の成果として登録された論文
 The Journal of Biological Chemistry

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
15194	Kohei Ogura	284 (2009) 35572-35579	2008A1322	BL38B1	橋本 渉	Crystal Structure of Family 14 Polysaccharide Lyase with pH-Dependent Modes of Action
15200	Kazunori Watanabe	280 (2005) 10368-10377	2001A0514	BL41XU	濡木 理	Roles of Conserved Amino Acid Sequence Motifs in the SpoU (TrmH) RNA Methyltransferase Family
			2001B0077	BL41XU	濡木 理	
			2002A0023	BL41XU	濡木 理	
			2004B0233	BL41XU	濡木 理	
15202	Kazunori Watanabe	281 (2006) 34630-34639	2001A0514	BL41XU	濡木 理	Functional Categorization of the Conserved Basic Amino Acid Residues in TrmH (tRNA (Gm18) Methyltransferase) Enzymes
			2001B0077	BL41XU	濡木 理	
			2002A0023	BL41XU	濡木 理	
			2004B0233	BL41XU	濡木 理	
15388	Akira Hirata	279 (2004) 7287-7295	2004B0285	BL38B1	三上 文三	Structural and Enzymatic Analysis of Soybean -amylase Mutants with Increased pH Optimum
15416	Yu Yoshikane	283 (2008) 1120-1127	2008A1263	BL38B1	三上 文三	Crystal Structure of Pyridoxamine-Pyruvate Aminotransferase from <i>Mesorhizobium loti</i> MAFF303099
15425	Hyung Ho Lee	281 (2006) 4261-4266	2006A1704	BL38B1	三上 文三	Crystal Structure of a Metal Ion-bound IS200 Transposase
15981	Yasuyuki Matoba	281 (2006) 8981-8990	2004A0688	BL41XU	杉山 政則	Crystallographic Evidence That the Dinuclear Copper Center of Tyrosinase is Flexible during Catalysis
			2003B0911	BL41XU	杉山 政則	
16743	Kazuko Fujiwara	285 (2010) 9971-9980	2009A6934	BL44XU	藤原 和子	Global Conformational Change Associated with the Two-step Reaction Catalyzed by <i>Escherichia coli</i> Lipoate-Protein Ligase A
16771	Teruya Nakamura	285 (2010) 444-452	1999B0307	BL41XU	山縣 ゆり子	Structural and Dynamic Features of the MutT Protein in the Recognition of Nucleotides with the Mutagenic 8-oxoguanine Base
			C00B7164	BL44XU	山縣 ゆり子	
			C01B7149	BL44XU	山縣 ゆり子	
			2002B0801	BL38B1	山縣 ゆり子	
			C02B7329	BL44XU	山縣 ゆり子	
			2003A0508	BL41XU	山縣 ゆり子	
			2003A0775	BL40B2	山縣 ゆり子	
16806	Yuko Fujioka	285 (2010) 1508-1515	2008A2021	BL41XU	稲垣 冬彦	Dimeric Coiled-Coil Structure of <i>Saccharomyces cerevisiae</i> Atg16 and Its Functional Significance in Autophagy
16826	Rie Omi	285 (2010) 12133-12139	2004B0866	BL41XU	近江 理恵	Reaction Mechanism and Molecular Basis for Selenium/Sulfur Discrimination for Selenocysteine Lyase
16834	Sangwoo Kim	285 (2010) 15159-15166	2009A6937	BL44XU	水島 恒裕	Crystal Structure of Yeast Rpn14, a Chaperone of the 19 S Regulatory Particle of the Proteasome
16912	Cheng Chung Lee	284 (2009) 7646-7655	2005B4128	BL12B2	Wang Andrew	Structural Basis of Inhibition Specificities of 3C and 3C-like Proteases by Zinc-coordinating and Peptidomimetic Compounds
16921	Tao-Hsin Chang	281 (2006) 14991-15000	C04B1008	BL12B2	Du Chao-Hung	Crystal Structure of Type-III Geranylgeranyl Pyrophosphate Synthase from <i>Saccharomyces cerevisiae</i> and the Mechanism of Product Chain Length Determination
16922	Sheng-Chia Chen	281 (2006) 7605-7613	C05A1010	BL12B2	Liaw Shwe-Huey	Crystal Structure of a Bifunctional Deaminase and Reductase from <i>Bacillus subtilis</i> Involved in Riboflavin Biosynthesis
16923	Chiu-Lien Hung	282 (2007) 12220-12229	2006A4126	BL12B2	Wang Wen-Ching	Crystal Structure of <i>Helicobacter pylori</i> Formamidase AmiF Reveals a Cysteine-Glutamate-Lysine Catalytic Triad
			2005B4130	BL12B2	Wang Wen-Ching	
16926	Han-Yu Sun	282 (2007) 9973-9982	2005B4128	BL12B2	Wang Andrew	Structure and Mechanism of <i>Helicobacter pylori</i> Fucosyltransferase
			2006A4135	BL12B2	Liaw Shwu-Huey	A BASIS FOR LIPOPOLYSACCHARIDE VARIATION AND INHIBITOR DESIGN
16933	Yeh Chen	280 (2005) 42356-42363	C04B1009	BL12B2	Chan Nei-Li	Structure and Function of the XpsE N-Terminal Domain, an Essential Component of the <i>Xanthomonas campestris</i> Type II Secretion System
			C04A1016	BL12B2	Chan Nei-Li	
			C03B1011	BL12B2	Chan Nei-Li	

Journal of Physics : Conference Series

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
15094	Yasuhiro Matsuda	190 (2009) 012019	2008B1367	BL39XU	松田 康弘	XMCD Spectroscopy on Valence Fluctuating and Heavy Fermion Compounds in Very High Magnetic Fields up to 40 T
			2009A1312	BL39XU	松田 康弘	
15437	Tomoya Uruga	190 (2009) 012041	J05A0502	BL01B1	宇留賀 朋哉	Improvement in XAFS beamline BL01B1 at SPring-8
15619	Yuichi Setsuhara	165 (2009) 012042	2008B1847	BL47XU	節原 裕一	Large-Area and Low-Damage Processes for Hybrid Flexible Device Fabrications with Reactive High-Density Plasmas Driven by Multiple Low-Inductance Antenna Modules
			2009A1707	BL47XU	節原 裕一	
			2007B0005	BL47XU	財満 鎮明	
			2008A0005	BL47XU	財満 鎮明	
16818	Satoru Urakawa	215 (2010) 012026	2008B1064	BL20B2	浦川 啓	Development of High Pressure Apparatus for X-ray Microtomography at SPring-8
16859	Satoshi Tsutsui	217 (2010) 012123	2006B1078	BL08W	筒井 智嗣	Eu Charge and Atomic Dynamics in $\text{Eu}_3\text{Pd}_{20}\text{Ge}_6$ Investigated by ^{151}Eu Mössbauer Effect
16862	Yoshinori Katayama	215 (2010) 012080	2007B3605	BL14B1	片山 芳則	Structure of Liquid Iron Hydrogen Alloy under High Pressure
			2008A3610	BL14B1	片山 芳則	
			2008B3602	BL14B1	片山 芳則	
			2009A3612	BL14B1	片山 芳則	
16865	Hiroaki Ohfuji	215 (2010) 012192	2008B1569	BL10XU	大藤 弘明	Laser Heating in Nano-Polycrystalline Diamond Anvil Cell
			2009A1564	BL10XU	大藤 弘明	
			2007A1541	BL10XU	八木 健彦	
16956	Yusuke Seto	215 (2010) 012015	2008A1181	BL10XU	瀬戸 雄介	Synchrotron X-ray Diffraction Study for Crystal Structure of Solid Carbon Dioxide $\text{CO}_2\text{-V}$
			2008B1161	BL10XU	浜根 大輔	
			2009A1228	BL10XU	浜根 大輔	
16957	Takaya Nagai	215 (2010) 012002	2008A1181	BL10XU	瀬戸 雄介	Pressure-Induced Spin Transition in FeCO_3 -siderite Studied by X-ray Diffraction Measurements
			2008A1559	BL10XU	藤野 清志	
			2008B1311	BL10XU	藤野 清志	
17011	Shigeaki Ono	215 (2010) 012196	2003A0013	BL10XU	巽 好幸	The Equation of State of B2-type NaCl
17032	Masanori Inui	215 (2010) 012090	2005A0082	BL28B2	乾 雅祝	Wide Angle X-ray Scattering Measurements of Supercritical Water using Synchrotron Radiation
			2005A0081	BL04B2	乾 雅祝	
			2007A1413	BL28B2	乾 雅祝	
			2007B1100	BL04B2	乾 雅祝	

Physical Review B

15240	Aliaksandr Darahanau	75 (2007) 075416	装置 & 技術			X-ray Diffraction Profiling of Metal-Metal Interfaces at Nanoscale
			2005A0087	BL29XU	Nikulin Andrei	
15245	Andrei Nikulin	70 (2004) 224109	理論			X-ray Multiple Diffraction from Crystalline Multilayers: Application to a 90 °Bragg Reflection
			2004B0021	BL29XU	Nikulin Andrei	
15275	Babulal Ahuja	79 (2009) 214403	2007B1065	BL08W	Ahuja Babulal	Compton Scattering Studies of Mn-rich Ni-Mn-Ga Ferromagnetic Shape Memory Alloys
16151	Nobuko Ohba	72 (2005) 075104	2004A0064	BL02B2	青木 正和	First-Principles Study of a Hydrogen Storage Material CaSi
16311	Hitoshi Yamaoka	80 (2009) 205403	2005A0041	BL15XU	山岡 人志	Charge Transfer Satellite in $\text{Pr}@\text{C}_{82}$ Metallofullerene Observed Using Resonant X-ray Emission Spectroscopy
			2005B0159	BL15XU	山岡 人志	
16345	Hitoshi Yamaoka	80 (2009) 115110	2007B4701	BL15XU	辻井 直人	Electronic Structure of YMn_2 and $\text{Y}_{0.96}\text{Lu}_{0.04}\text{Mn}_2$ Studied by X-ray Emission Spectroscopy
16792	Jonathan Duffy	81 (2010) 134424	2007A1574	BL08W	Duffy Jonathan	Spin and Orbital Moments in Fe_3O_4
16829	Tetsu Ichitsubo	81 (2010) 172201	2008B1144	BL35XU	市坪 哲	Elastic Inhomogeneity and Acoustic Phonons in Pd-, Pt-, and Zr-based Metallic Glasses
16860	Yoshinori Katayama	81 (2010) 014109	2005A0582	BL04B1	片山 芳則	Structure of Liquid Water under High Pressure up to 17 GPa
			2005B0567	BL04B1	片山 芳則	
			原研	BL14B1		
17017	Hiroshi Uchiyama	81 (2010) 241103	2008A1584	BL35XU	内山 裕士	Effects of Anisotropic Charge on Transverse Optical Phonons in NiO: Inelastic X-ray Scattering Spectroscopy Study

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
15385	Hyejin Yoon	351 (2005) 258-265	2004A0314	BL38B1	三上 文三	Crystal Structure of Nicotinic Acid Mononucleotide Adenylyltransferase from <i>Pseudomonas aeruginosa</i> in its Apo and Substratecomplex Forms Reveals a Fully Open Conformation
15387	Mizuho Ban	351 (2005) 695-706	C04B7120	BL44XU	三上 文三	Structural Basis of a Fungal Galectin from <i>Agrocybe cylindracea</i> for Recognizing Sialoconjugate
15423	Bunzo Mikami	359 (2006) 690-707	2005A0393	BL38B1	三上 文三	Crystal Structure of Pullulanase: Evidence for Parallel Binding of Oligosaccharides in the Active Site
			2003B0355	BL41XU	三上 文三	
			2001B0264	BL41XU	三上 文三	
			C00B5001	BL24XU	勝矢 良雄	
			C00A501	BL24XU	勝矢 良雄	
			C99B501	BL24XU	勝矢 良雄	
			C99A003	BL24XU	目崎 喜弘	
15428	Sayaka Takehara	388 (2009) 11-20	2008A6827	BL44XU	三上 文三	The 2.1-Å Crystal Structure of Native Neuroserpin Reveals Unique Structural Elements That Contribute to Conformational Instability
			2007A1685	BL38B1	三上 文三	
			2006B2664	BL41XU	三木 邦夫	
15653	Nobuhiko Akiyama	392 (2009) 559-565	2006B1664	BL38B1	三木 邦夫	Crystal Structure of a Periplasmic Substrate-Binding Protein in Complex with Calcium Lactate
			2006A2716	BL41XU	三木 邦夫	
			2006A1716	BL38B1	三木 邦夫	
			理研	BL44B2		
			理研	BL45XU		
16813	Satoshi Watanabe	394 (2009) 448-459	2007B1279	BL41XU	三木 邦夫	Crystal Structure of HypA, a Nickel Binding Metallochaperone for [NiFe] Hydrogenase Maturation
			2008A1478	BL41XU	三木 邦夫	
			2008B1503	BL41XU	三木 邦夫	
			2009A1544	BL41XU	三木 邦夫	
			2005A0854	BL41XU	三木 邦夫	
			2005B1798	BL41XU	三木 邦夫	
			2006A2716	BL41XU	三木 邦夫	
			2006B2664	BL41XU	三木 邦夫	
16815	Akira Nakamura	396 (2010) 1000-1011	2005A0854	BL41XU	三木 邦夫	Crystal Structure of A Thermophilic GrpE Protein: Insight into Thermosensing Function for the DnaK Chaperone System
			2005B1798	BL41XU	三木 邦夫	
			2006A2716	BL41XU	三木 邦夫	
			2006B2664	BL41XU	三木 邦夫	
17027	Tsuyoshi Waku	385 (2009) 188-199	2008B1220	BL38B1	大山 拓次	Structural Insight into PPAR Activation through Covalent Modification with Endogenous Fatty Acids

Journal of Alloys and Compounds

15098	Di Zhang	484 (2009) 929-933	2008A1959	BL46XU	寺崎 秀紀	In situ Observation of Phase Transformation in Fe-0.15C Binary Alloy
			2008B2135	BL46XU	寺崎 秀紀	
15119	Shigeo Sato	477 (2009) 846-850	2007B2014	BL14B2	佐藤 成男	Small-Angle X-ray Scattering Characterization of Precipitates in Cu-Ti Alloys
15603	Kazuhiro Nogita	489 (2010) 415-420	2008B1555	BL47XU	安田 秀幸	The Role of Trace Elements Segregation in the Eutectic Modification of Hypoeutectic Al-Si Alloys
			2009A1310	BL47XU	安田 秀幸	
			2008A1664	BL47XU	野北 和宏	
15994	Tetsuya Ozaki	446-447 (2007) 620-624	2005B0871	BL19B2	綿田 正治	Stacking Structures and Electrode Performances of Rare Earth-Mg-Ni-based Alloys for Advanced Nickel-Metal Hydride Battery
16145	Masakazu Aoki	404-406 (2005) 402-404	2004A0064	BL02B2	青木 正和	Hydriding and Dehydriding Properties of CaSi
16777	Makoto Matsuura	496 (2010) 135-139	2008A1482	BL01B1	Chen Mingwei	Local Atomic Structure of Ni ₆₀ Pd ₂₀ P ₂₀ and Ni ₆₀ Pd ₂₀ P ₁₇ B ₃ Bulk Metallic Glasses and the Origin of Glass Forming Ability
			2008B1336	BL01B1	Chen Mingwei	
			2008B1387	BL04B2	Chen Mingwei	
16784	Hiroyuki Saitoh	496 (2010) L25-L28	2009A3601	BL14B1	齋藤 寛之	Formation and Crystal Growth Process of AlH ₃ in Al-H System

Acta Crystallographica Section F

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
15089	Shunsuke Tagami	66 (2010) 64-68	2005A0392	BL41XU	関根 俊一	Crystallization and Preliminary X-ray Crystallographic Analysis of <i>Thermus thermophilus</i> Transcription Elongation Complex Bound to Gfh1
			2005B0529	BL41XU	関根 俊一	
			2006A1362	BL41XU	関根 俊一	
			2006B1165	BL41XU	関根 俊一	
			2007A1152	BL41XU	関根 俊一	
			2007B1138	BL41XU	関根 俊一	
			2008A1244	BL41XU	関根 俊一	
2008B1193	BL41XU	関根 俊一				
15404	Sayoko Matsuda	65 (2009) 886-889	2008B1522	BL38B1	三上 文三	Crystallization and Preliminary X-ray Analysis of 4-pyridoxolactonase from <i>Mesorhizobium loti</i>
			理研	BL26B1		
15581	Naoko Shimada	63 (2007) 393-395	2006B1096	BL38B1	三上 文三	Preliminary Crystallographic Analysis of L-2-keto-3- deoxyarabonate Dehydratase, an Enzyme Involved in an Alternative Bacterial Pathway of L-arabinose Metabolism
			2006B1652	BL38B1	三上 文三	
16811	Takuro Hayashi	65 (2009) 1007-1010	2006A1716	BL38B1	三木 邦夫	Crystallization and Heavy Atom Derivatization of StHsp14.0, A Small Heat Shock Protein from <i>Sulfolobus tokodaii</i>
			2006B1664	BL38B1	三木 邦夫	
			2007B1671	BL38B1	秋山 信彦	
16832	Hironari Shimizu	64 (2008) 858-862	2008A6822	BL44XU	原田 繁春	Screening of Detergents for Solubilization, Purification and Crystallization of Membrane Proteins: A Case Study on Succinate:Ubiquinone Oxidoreductase from <i>Escherichia coli</i>
16833	Arihiro Osanai	65 (2009) 941-944	2008A6822	BL44XU	原田 繁春	Crystallization of Mitochondrial Rhodoquinol-Fumarate Reductase from the Parasitic Nematode <i>Ascaris suum</i> with the Specific Inhibitor Flutolanil
			2008B6822	BL44XU	原田 繁春	

Journal of Applied Physics

15663	Takashi Hasegawa	106 (2009) 103928	2008B1829	BL39XU	有明 順	Study of Ferro-Antiferromagnetic Transition in [001]- oriented $L1_0$ FePt _{1-x} Rh _x Film
15803	Kuniyuki Kakushima	106 (2009) 124903	2007A0005	BL47XU	財満 鎮明	Comprehensive X-ray Photoelectron Spectroscopy Study on Compositional Gradient Lanthanum Silicate Film
16060	Shuichi Doi	106 (2009) 123919	2008A1683	BL39XU	淡路 直樹	Magnetization Profile of Ir in a MnIr/CoFe Exchange Bias System Evaluated by Hard X-ray Resonant Magnetic Reflectivity
			2008A5110	BL16XU	淡路 直樹	
16888	Takahiro Nagata	107 (2010) 103714	2007B4604	BL15XU	長田 貴弘	Schottky Barrier Height Behavior of Pt-Ru Alloy Contacts on Single-Crystal n-ZnO
17043	Ayako Yokoyama	107 (2010) 123530	2007A1101	BL04B1	松井 正典	Elastic Wave Velocities of Silica Glass at High Temperatures and High Pressures
			2008A1193	BL04B1	松井 正典	

Applied Physics Letters

15016	Junji Saida	91 (2007) 111901	2006B1530	BL01B1	佐藤 成男	Local Structure Characterization in Quasicrystal- Forming Zr ₈₀ Pt ₂₀ Binary Amorphous Alloy
15207	JinYoung Kim	95 (2009) 132901	2006A1099	BL02B2	Koo Yang-Mo	Y-O Hybridization in the Ferroelectric Transition of YMnO ₃
15241	Rouben Dilanian	88 (2006) 263113	装置 & 技術			Nano-Resolution Profiling of Metal-Metal Interfaces from X-ray Fraunhofer Diffraction Data
			2005A0087	BL29XU	Nikulin Andrei	
16841	Hideto Imai	96 (2010) 191905	2008B5392	BL16B2	今井 英人	Structural Defects Working as Active Oxygen- Reduction Sites in Partially-Oxidized Ta-Carbonitride Core-Shell Particles Probed by Using Surface- Sensitive Conversion-Electron-Yield X-ray Absorption Spectroscopy
			2009A5391	BL16B2	今井 英人	
			2009B5390	BL16B2	今井 英人	
			2008A1892	BL14B2	石原 顕光	
			2008B1850	BL14B2	石原 顕光	
			2009A1803	BL14B2	石原 顕光	
2009B1821	BL14B2	石原 顕光				

Biochemistry

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
11623	Dong-Ju You	46 (2007) 11494-11503	2005B1766	BL41XU	金谷 茂則	Crystal Structure of Type 1 Ribonuclease H from Hyperthermophilic Archaeon <i>Sulfolobus tokodaii</i> : Role of Arginine 118 and C-terminal Anchoring
			2006A1733	BL38B1	金谷 茂則	
			2005B6709	BL44XU	金谷 茂則	
			2006A6812	BL44XU	金谷 茂則	
15389	Akira Hirata	43 (2004) 12523-12531	2004A0314	BL38B1	三上 文三	Engineering of the pH Optimum of <i>Bacillus cereus</i> -Amylase: Conversion of the pH Optimum from a Bacterial Type to a Higher-Plant Type
16250	Masahiko Okai	45 (2006) 5103-5110	2003A0565	BL41XU	田之倉 優	Crystal Structures of the Short-Chain Flavin Reductase HpaC from <i>Sulfolobus tokodaii</i> Strain 7 in Its Three States: NAD(P) ⁺ -Free, NAD ⁺ -Bound, and NADP ⁺ -Bound
16831	Ken Inaoka	47 (2008) 10881-10891	2008A6822	BL44XU	原田 繁春	Structures of <i>Trypanosoma cruzi</i> Dihydroorotate Dehydrogenase Complexed with Substrates and Products: Atomic Resolution Insights into Mechanisms of Dihydroorotate Oxidation and Fumarate Reduction

Journal of the American Chemical Society

13050	Satoshi Ohnishi	128 (2006) 16338-16344	2005B0012	BL40B2	片岡 幹雄	Conformational Preference of Polyglycine in Solution to Elongated Structure
15672	Satoshi Abe	131 (2009) 6958-6960	2006A1782	BL41XU	平田 邦生	Polymerization of Phenylacetylene by Rhodium Complexes within a Discrete Space of apo-Ferritin
15673	Takafumi Ueno	131 (2009) 5094-5100	2006A1782	BL41XU	平田 邦生	Process of Accumulation of Metal Ions on the Interior Surface of apo-Ferritin: Crystal Structures of a Series of apo-Ferritins Containing Variable Quantities of Pd(II) Ions
			2007A1001	BL38B1	上野 隆史	
16803	Akimi Tanaka	132 (2010) 2112-2113	2009A1417	BL02B2	金子 克美	Effect of a Quaternary Ammonium Salt on Propylene Carbonate Structure in Slit-Shape Carbon Nanopores

Journal of the Physical Society of Japan

15562	Kuniaki Arai	79 (2010) 013703	2008A1723	BL17SU	新井 邦明	Complete Assignment of Spin Domains in Antiferromagnetic NiO(100) by Photoemission Electron Microscopy and Cluster Model Calculation
			2008A1726	BL25SU	新井 邦明	
16735	Yohei Onodera	79 (2010) 87-89	2009A1644	BL04B2	小野寺 陽平	Crystal Structure of Li ₇ P ₃ S ₁₁ Studied by Neutron and Synchrotron X-ray Powder Diffraction
16739	Koji Ohara	79 (2010) 94-97	2007B1676	BL04B2	尾原 幸治	Lattice Distortion and Lithium Ionic Conduction Path in a Superionic Conductor with Perovskite Structure
16740	Koji Ohara	79 (2010) 141-144	2009A1585	BL04B2	川北 至信	Structural Study of Ag-Ge-Se Superionic Glass
			2008B1601	BL04B2	川北 至信	
			2007B1676	BL04B2	尾原 幸治	
			2006B1332	BL04B2	川北 至信	
			2005A0711	BL04B2	武田 信一	

Physical Review C

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
15931	Kenneth Hicks	76 (2007) 042201(R)	2000B6001	BL33LEP	中野 貴志	Measurement of the $p K^+$ Reaction at Backward Angles
			2001A6001	BL33LEP	中野 貴志	
			2001B6001	BL33LEP	中野 貴志	
			2002A6001	BL33LEP	中野 貴志	
			2002B6001	BL33LEP	中野 貴志	
			2003A6001	BL33LEP	中野 貴志	
15956	Masayuki Niiyama	78 (2008) 035202	2000B6001	BL33LEP	中野 貴志	Photoproduction of $\Lambda(1405)$ and $\Lambda^0(1385)$ on the Proton at $E = 1.5-2.4$ GeV
			2001A6001	BL33LEP	中野 貴志	
			2001B6001	BL33LEP	中野 貴志	
			2002A6001	BL33LEP	中野 貴志	
			2002B6001	BL33LEP	中野 貴志	
			2003A6001	BL33LEP	中野 貴志	
			2004A6001	BL33LEP	中野 貴志	
			2004B6001	BL33LEP	中野 貴志	
16119	Takashi Nakano	79 (2009) 025210	2002A6001	BL33LEP	中野 貴志	Evidence for the Λ^+ in the $d K^+ K^- pn$ Reaction by Detecting $K^+ K^-$ Pairs
			2002B6001	BL33LEP	中野 貴志	
			2003A6001	BL33LEP	中野 貴志	
16720	Mizuki Sumihama	80 (2009) 052201(R)	2001A6001	BL33LEP	中野 貴志	Backward-angle Photoproduction from Protons at $E = 1.6-2.4$ GeV
			2001B6001	BL33LEP	中野 貴志	
			2002A6001	BL33LEP	中野 貴志	
			2002B6001	BL33LEP	中野 貴志	
			2003A6001	BL33LEP	中野 貴志	

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

16849	Katsumi Imada	107 (2010) 8812-8817	2006B1058	BL41XU	今田 勝巳	Structural Insight into the Regulatory Mechanisms of Interactions of the Flagellar Type III Chaperone FlIT with Its Binding Partners
			2008A1402	BL41XU	今田 勝巳	
16899	Julien Ochala	107 (2010) 9807-9812	2008B1972	BL45XU	Ochala Julien	A Myopathy-linked Tropomyosin Mutation Severely Alters Thin Filament Conformational Changes during Activation
			2009B1918	BL45XU	Ochala Julien	
16911	Kai-Fa Huang	102 (2005) 13117-13122	C04B1008	BL12B2	Wang Andrew	Crystal Structure of Human Glutaminyl Cyclase, an Enzyme Responsible for Protein N-terminal Pyroglutamate Formation
16942	Hiroaki Tachiwana	107 (2010) 10454-10459	2009A1211	BL41XU	胡桃坂 仁志	Structural Basis of Instability of the Nucleosome Containing a Testis-Specific Histone Variant, Human H3T

Acta Crystallographica Section D

15391	Hyelee Kim	60 (2004) 948-949	2003B0335	BL41XU	三上 文三	Crystallization and Preliminary X-ray Crystallographic Analysis of Nicotinic Acid Mononucleotide Adenylyltransferase from <i>Pseudomonas aeruginosa</i>
			2002B0799	BL38B1	三上 文三	
15394	Satoshi Sano	60 (2004) 1498-1499	2003A0447	BL40B2	三上 文三	Crystallization and Preliminary Crystallographic Analysis of Monodehydroascorbate Radical Reductase from Cucumber
17030	Takuji Oyama	65 (2009) 786-795	2008A1226	BL38B1	大山 拓次	Adaptability and Selectivity of the Human Peroxisome Proliferator-Activated Receptor (PPAR) Pan Agonists Revealed from Crystal Structures

The FEBS Journal

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
15410	Hiroki Tsuruta	275 (2008) 4317-4328	2008A1252	BL38B1	三上 文三	The Role of Group Bulkiness in the Catalytic Activity of Psychrophile Cold-Active Protein Tyrosine Phosphatase
15783	Tomoko Nishino	275 (2008) 3278-3289	2001A0391	BL40B2	西野 武士	Mammalian Xanthine Oxidoreductase - Mechanism of Transition from Xanthine Dehydrogenase to Xanthine Oxidase
			2001B0453	BL40B2	西野 武士	
			2002A0355	BL40B2	西野 武士	
			2002B0285	BL40B2	西野 武士	
			2003B0812	BL40B2	西野 武士	
			2004A0817	BL40B2	西野 武士	
			2005B0348	BL38B1	西野 武士	
			2006A1711	BL38B1	西野 武士	
			2006A2711	BL41XU	西野 武士	
16824	Shigehiro Kamitori	277 (2010) 1045-1057	2007B1401	BL38B1	神鳥 成弘	Catalytic Reaction Mechanism of <i>Pseudomonas stutzeri</i> L-rhamnose Isomerase Deduced from X-ray Structures

The Journal of Physical Chemistry B

16225	Kentaro Teramura	109 (2005) 21915-21921	2004B0075	BL01B1	堂免 一成	Characterization of Ruthenium Oxide Nanocluster as a Cocatalyst with $(\text{Ga}_{1-x}\text{Zn}_x)(\text{N}_{1-x}\text{O}_x)$ for Photocatalytic Overall Water Splitting
16226	Kazuhiko Maeda	110 (2006) 13107-13112	2004B0075	BL01B1	堂免 一成	Efficient Overall Water Splitting under Visible Light Irradiation on $(\text{Ga}_{1-x}\text{Zn}_x)(\text{N}_{1-x}\text{O}_x)$ Dispersed with Rh-Cr Mixed-Oxide Nanoparticles: Effect of Reaction Conditions on the Photocatalytic Activity
16227	Kazuhiko Maeda	110 (2006) 13753-13758	2004B0075	BL01B1	堂免 一成	Characterization of Rh-Cr Mixed-Oxide Nanoparticles Dispersed on $(\text{Ga}_{1-x}\text{Zn}_x)(\text{N}_{1-x}\text{O}_x)$ as a Cocatalyst for Visible-Light-Driven Overall Water Splitting

Nature

15354	Yi Wang	462 (2009) 467-472	2009A0019	BL41XU	Yan Nieng	Structure of the Formate Transporter FocA Reveals a Pentameric Aquaporin-like Channel
			2008A0019	BL41XU	Yan Nieng	
15487	Kohji Murase	456 (2008) 459-463	2008A1099	BL41XU	平野 良憲	Gibberellin-Induced DELLA Recognition by the Gibberellin Receptor GID1
15650	Youwen Long	458 (2009) 60-63	2008A1670	BL02B2	東 正樹	Temperature-Induced A-B Intersite Charge Transfer in an A-site-ordered $\text{LaCu}_3\text{Fe}_4\text{O}_{12}$ Perovskite

Physica Status Solidi B

11343	Rie Togashi	244 (2007) 1862-1866	C05A4030	BL16B2	飯原 順次	First-principles Calculation and X-ray Absorption Fine Structure Analysis of Fe Doping Mechanism for Semi-insulating GaN Growth on GaAs Substrates
17006	Alexander Kolobov	246 (2009) 1826-1830	2003B0085	BL01B1	Kolobov Alexander	Local Structure of Amorphous Ge-Sb-Te Alloys: Ge Umbrella Flip vs. DFT Simulations
			2008B1204	BL01B1	Fons Paul	
			2008B1249	BL01B1	Kolobov Alexander	
17033	Toshiya Yokogawa	247 (2010) 1707-1709	2006A1655	BL13XU	横川 俊哉	Microarea Strain Analysis in GaN-based Laser Diodes Using High-Resolution Microbeam X-ray Diffraction

Physical Review 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
16873	Hideki Kohri	104 (2010) 172001	2009A6001	BL33LEP	堀田 智明	Near-Threshold (1520) Production by the $p K^+$ (1520) Reaction at Forward K^+ Angles
16885	Junya Miyazaki	104 (2010) 207201	2009A1068	BL02B2	勝藤 拓郎	Formation of a Three-Dimensional Network of V Trimers in $A_2V_{13}O_{22}$ (A=Ba,Sr)
16924	Sen Yang	104 (2010) 197201	2009A4503	BL15XU	Ren Xiaobing	Large Magnetostriction from Morphotropic Phase Boundary in Ferromagnets
			2008B4800	BL15XU	小林 啓介	
			2008A4501	BL15XU	Ren Xiaobing	
			2007B4800	BL15XU	小林 啓介	
			2007A4505	BL15XU	Ren Xiaobing	
2006B4502	BL15XU	Ren Xiaobing				

Polymer

15505	Yuji Hayashi	50 (2009) 2095-2103	2005B0444	BL40B2	金谷 利治	Precursor of Shish-Kebab in Isotactic Polystyrene under Shear Flow
			2006A1202	BL40B2	松葉 豪	
16736	Hiroshi Kajioaka	51 (2010) 1837-1844	2007B1667	BL47XU	梶岡 寛	Microbeam X-ray Diffraction of Non-Banded Polymer Spherulites of It-Polystyrene and It-Poly(butene-1)
16773	Tatsuya Kikuduki	51 (2010) 1632-1638	2007A1475	BL45XU	雨宮 慶幸	Determination of Lamellar Twisting Manner in a Banded Spherulite with Scanning Microbeam X-ray Scattering
			2007B1153	BL45XU	雨宮 慶幸	

Science

15359	Xiang Gao	324 (2009) 1565-1568	2008A0019	BL41XU	Yan Nieng	Structure and Mechanism of an Amino Acid Antiporter
16133	Tomoki Nakamura	321 (2008) 1664-1667	2007A1617	BL37XU	中村 智樹	Chondrulelike Objects in Short-Period Comet 81P/Wild 2
16903	Qing-Fu Sun	328 (2010) 1144-1147	2009B1967	BL38B1	佐藤 宗太	Self-Assembled $M_{24}L_{48}$ Polyhedra and Their Sharp Structural Switch upon Subtle Ligand Variation

Biochemical and Biophysical Research Communications

15984	Hyung-Joon Jeon	378 (2009) 574-578	2006B1648	BL38B1	杉山 政則	Crystal Structure and Mutagenic Analysis of a Bacteriocin Immunity Protein, Mun-im
			2007A1161	BL41XU	杉山 政則	
15985	Bin Zheng	380 (2009) 143-147	2006A2702	BL41XU	杉山 政則	Crystal Structure of SCCA1 and Insight about the Interaction with JNK1

The EMBO Journal

16913	Chien-Hua Pai	25 (2006) 5970-5982	C04B1008	BL12B2	Wang Andrew	Dual Binding Sites for Translocation Catalysis by <i>Escherichia coli</i> Glutathionylspermidine Synthetase
16977	Yoshiyuki Matsuura	29 (2010) 2002-2013	2009A1062	BL41XU	松浦 能行	An Allosteric Mechanism to Displace Nuclear Export Cargo from CRM1 and RanGTP by RanBP1
			2009A2000	BL41XU	松浦 能行	
			2009B1076	BL41XU	松浦 能行	

FEBS Letters

16017	Soichi Takeda	581 (2007) 5859-5864	2006A1790	BL41XU	武田 壮一	Crystal Structure of RVV-X: An Example of Evolutionary Gain of Specificity by ADAM Proteinases
17028	Tsuyoshi Waku	583 (2009) 320-324	2009A1103	BL38B1	大山 拓次	Atomic Structure of Mutant PPAR LBD Complexed with 15deoxy-PGJ ₂ : Novel Modulation Mechanism of PPAR /RXR Function by Covalently bound Ligands

Japanese Journal of Applied Physics

15167	Yoshihisa Tochihara	38 (1999) 404-407	1997B0089	BL10XU	那須 三郎	EXAFS Study on Local Structure Changes in Amorphous Fe-Zr-B Alloys
16796	Daisuke Kosemura	49 (2010) 04DD11	2008B1917	BL46XU	小椋 厚志	Study of Charge Trap Sites in SiN Films by Hard X-ray Photoelectron Spectroscopy
			2008B2073	BL46XU	小椋 厚志	

The Journal of 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
15579	Kazuhiro Fuchizaki	127 (2007) 064504	理論	BL04B2		Synchrotron X-ray Studies of Molecular Crystal SnI ₄
			2000A0056	BL04B2	浜谷 望	
			2000B0381	BL04B2	浜谷 望	
16861	Takashi Ikeda	132 (2010) 121102	2008A3609	BL14B1	片山 芳則	High-Temperature Water under Pressure
			2007A3611	BL14B1	片山 芳則	

The Journal of Physical Chemistry C

16742	Ya Xu	1144 (2010) 6047-6053	2006B4602	BL15XU	Xu Ya	Characterization of Surface Structure Evolution in Ni ₃ Al Foil Catalysts by Hard X-ray Photoelectron Spectroscopy
			2007A4600	BL15XU	Xu Ya	
17020	Kazuhiro Mukai	114 (2010) 11320-11327	2007A1917	BL19B2	向 和彦	Microscopic Magnetic Study on the Nominal Composition Li[Li _{1/3} Mn _{5/3}]O ₄ by Muon-Spin Rotation/Relaxation Measurements

Journal of Physics: Condensed Matter

13079	Alexander Kolobov	19 (2007) 455209	2005A0004	BL04B1	Sanloup Chrystele	A Possible Mechanism of Ultrafast Amorphization in Phase-Change Memory Alloys: an Ion Slingshot from the Crystalline to Amorphous Position
17008	Alexander Kolobov	16 (2004) S5103-S5108	2001B0099	BL01B1	Kolobov Alexander	Crystallization-Induced Short-Range Order Changes in Amorphous GeTe

Journal of Structural Biology

16814	Kazuki Takeda	169 (2010) 135-144	2007B2047	BL41XU	竹田 一旗	Detailed Assessment of X-ray Induced Structural Perturbation in A Crystalline State Protein
			2008A1449	BL41XU	竹田 一旗	
			2008B1337	BL41XU	竹田 一旗	
			2009A1264	BL41XU	竹田 一旗	
16901	Yuya Miyamoto	169 (2010) 209-218	2006A1059	BL40B2	乾隆	Structural Analysis of Lipocalin-Type Prostaglandin D Synthase Complexed with Biliverdin by Small-Angle X-ray Scattering and Multi-Dimensional NMR
			2007A1887	BL40B2	乾隆	
			2007A1972	BL40B2	乾隆	
			2007B1812	BL40B2	乾隆	

Journal of Synchrotron Radiation

15155	Kaoru Okamoto	10 (2003) 242-247	1999A0258	BL01B1	太田 俊明	Development of Light-Modulated XAFS Spectroscopy
17019	Yohko F. Yano	17 (2010) 511-516	2009A1686	BL37XU	矢野 陽子	Simultaneous Measurement of X-ray Specular Reflection and Off-Specular Diffuse Scattering from Liquid Surfaces Using a Two-Dimensional Pixel Array Detector: The Liquid-Interface Reflectometer of BL37XU at SPring-8
			2006A1124	BL37XU	瀧上 隆智	
			2006B1751	BL37XU	宇留賀 朋哉	
			2007A1737	BL37XU	宇留賀 朋哉	
			2007B1212	BL37XU	宇留賀 朋哉	
2007B1353	BL37XU	瀧上 隆智				

Kobe Journal of Medical Sciences

15175	Seiji Nakajima	53 (2008) 317-326	2006A1458	BL28B2	近藤 威	Loss of CO ₂ -induced Distensibility in Cerebral Arteries with Chronic Hypertension or Vasospasm after Subarachnoid Hemorrhage
15177	Masahiro Tamaki	52 (2006) 111-118	2006A1458	BL28B2	近藤 威	Carotid Artery Occlusion and Vasculature Change in C57Black/J Mice Detected by Synchrotron Radiation Microangiography

Materials Science Forum

16928	Kenji Suzuki	652 (2010) 7-12	2007A1108	BL02B1	鈴木 賢治	Residual Microstress of Austenitic Stainless Steel due to Tensile Deformation
			2007B1646	BL02B1	鈴木 賢治	
16987	Masahito Watanabe	638-642 (2010) 1677-1682	2007B1352	BL04B2	水野 章敏	<i>In-situ</i> Observation of Solidification of Bulk Metallic Glass Forming Alloys from Supercooled Liquid by Using High Energy X-ray Diffraction Combined with Levitation Techniques
			2008B1536	BL04B2	水野 章敏	

Meteoritics and Planetary 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
15521	Akira Tsuchiyama	44 (2009) 1203-1224	2006A1463	BL47XU	土山 明	Three-Dimensional Structures and Elemental Distributions of Stardust Impact Tracks using Synchrotron Microtomography and X-ray Fluorescence Analysis
			2006B1303	BL47XU	土山 明	
			2007A1521	BL47XU	土山 明	
16132	Tomoki Nakamura	43 (2008) 247-259	2006A1340	BL37XU	中村 智樹	Bulk Mineralogy and Three Dimensional Structures of Individual Stardust Particles Deduced from Synchrotron X-ray Diffraction and Microtomography Analysis

Nature Materials

17007	Alexander Kolobov	7 (2008) 351-352	2003B0085	BL01B1	Kolobov Alexander	Around the Phase-Change Cycle
17009	Alexander Kolobov	3 (2004) 703-708	2001B0099	BL01B1	Kolobov Alexander	Understanding the Phase-Change Mechanism of Rewritable Optical Media

New Journal of Physics

16503	Shigemasa Suga	11 (2009) 073025	理研	BL19LXU		Do All Nuclei Recoil on Photoemission in Compounds?
			2006B1722	BL25SU	関山 明	
			2007A1005	BL25SU	菅 滋正	
16974	Eiji Shigemasa	12 (2010) 063030	2007A1866	BL27SU	繁政 英治	Doppler Effect in Fragment Autoionization Following Core-to-Rydberg Excitations of N ₂

Physica C

15622	Hiromi Tanaka	392-396 (2003) 153-156	2002A0637	BL02B1	岸田 悟	XPS Study on the Bi-2212 Single Crystals Grown by a Modified Vertical Bridgman Method
			C02A2002	BL15XU	福島 整	
15623	Hiromi Tanaka	412-414 (2004) 279-282	2003B0670	BL15XU	岸田 悟	Chemical Properties of the Bi-based Superconducting Whiskers Studied by X-ray Photoelectron Spectroscopy

Physics Letters A

15234	Andrei Nikulin	372 (2008) 4333-4336	装置 & 技術			Phase-retrieval in Hard X-ray Diffraction Imaging: Can We Reconstruct a " Real " Function?
			2005A0087	BL29XU	Nikulin Andrei	
15235	Aliaksandr Darahanau	372 (2008) 2155-2158	装置 & 技術			On Influence of Collimating Slit Imperfections on the Quality of Experimental Data in High-Resolution X-ray Diffraction
			2005A0087	BL29XU	Nikulin Andrei	

Structure

15199	Osamu Nureki	12 (2004) 593-604	2001A0514	BL41XU	瀧木 理	Deep Knot Structure for Construction of Active Site and Cofactor Binding Site of tRNA Modification Enzyme
16927	Yu-Hauh Wu	16 (2008) 1714-1723	2006B4135	BL12B2	Wang Andrew	Structural Basis for Catalytic and Inhibitory Mechanisms of Human Prostaglandin Reductase PTGR2
			2007A4011	BL12B2	Wang Andrew	

Thin Solid Films

15618	Yuichi Setsuhara	518 (2009) 1006-1011	2005B0005	BL47XU	財満 鎮明	Plasma Surface Treatment of Polymers with Inductivity Coupled RF Plasmas Driven by Low inductance Antenna Units
			2006A0005	BL47XU	財満 鎮明	
			2006B0005	BL47XU	財満 鎮明	
			2007A0005	BL47XU	財満 鎮明	
			2007B0005	BL47XU	財満 鎮明	
			2008A0005	BL47XU	財満 鎮明	
			2008B1847	BL47XU	節原 裕一	
			2009A1707	BL47XU	節原 裕一	
17010	Alexander Kolobov	515 (2007) 7534-7537	2003B0085	BL01B1	Kolobov Alexander	Phase-Change Optical Recording: Past, Present, Future
			2005A0004	BL01B1	Fons Paul	

分析化学 (Bunseki Kagaku)

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
16793	Jun Kikuma	59 (2010) 287-292	2008A1778	BL19B2	小川 晃博	<i>In-Situ</i> X-ray Diffraction under Hydrothermal Condition Using Synchrotron Radiation and Its Application to Tobermorite Formation Reaction
			2008A1905	BL19B2	松野 信也	
16996	Jun Kikuma	59 (2010) 489-498	2008A1905	BL19B2	松野 信也	Formation Process of Autoclaved Lightweight Concrete Studied by <i>In-Situ</i> X-ray Diffraction under Hydrothermal Condition
			2008B2031	BL19B2	松野 信也	

粉体および粉末冶金 (Journal of the Japan Society of Powder and Powder Metallurgy)

15169	Yoshinori Arachi	50 (2003) 1089-1092	2002A0484	BL02B2	岩佐 義宏	Studies on Structural Change of $\text{Li}_{1-x}\text{Mn}_{0.5}\text{Ni}_{0.5}\text{O}_2$ Cathode for Li-Ion Secondary Batteries Using Synchrotron Radiation
16863	Shouta Harada	57 (2010) 213-217	2009A1672	BL27SU	曾田 一雄	Soft X-ray Photoelectron Spectroscopy of Heusler-type Thermoelectric Alloys $\text{Fe}_{2-x-y}\text{Ir}_y\text{V}_{1+x}\text{Al}$

Acta Biochimica et Biophysica Sinica

11433	Hajime Hiramatsu	39 (2007) 335-343	2006A5816	BL32B2	平松 元	Crystal Structures of Human Dipeptidyl Peptidase IV in Its Apo and Diprotin B - Complexed Forms
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Acta Biomaterialia

16827	Katsuyuki Matsunaga	6 (2010) 2289-2293	2008B1166	BL01B1	中平 敦	Mechanism of Incorporation of Zinc into Hydroxyapatite
			2009A1533	BL01B1	田中 功	

American Journal of Neuroradiology

16098	Kazunori Myojin	28 (2007) 953-957	2004A0129	BL28B2	梅谷 啓二	Visualization of Intracerebral Arteries by Synchrotron Radiation Microangiography
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American Mineralogist

17012	Shigeaki Ono	95 (2010) 880-883	2008A1094	BL10XU	小野 重明	High-Pressure Magnetic Transition in hcp-Fe
			2008B1049	BL10XU	小野 重明	

Applied Catalysis A: General

16105	Takashi Matsui	286 (2005) 249-257	2003A0317	BL01B1	松井 高史	Effect of Noble Metal Particle Size on the Sulfur Tolerance of Monometallic Pd and Pt Catalysts Supported on High-Silica USY Zeolite
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Applied Physics Express

16945	Hidefumi Takami	3 (2010) 063201	2009B4904	BL15XU	田中 秀和	Electronic Structure of W-Doped VO_2 Thin Films with Giant Metal-Insulator Transition Investigated by Hard X-ray Core-Level Photoemission Spectroscopy
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Applied Surface Science

16769	Masatomo Sumiya	256 (2010) 4442-4446	2008A4603	BL15XU	大橋 直樹	Fabrication and Hard X-ray Photoemission Analysis of Photocathodes with Sharp Solar-Blind Sensitivity using AlGaN Films Grown on Si Substrates
			2008B4800	BL15XU	小林 啓介	
			2009A4603	BL15XU	角谷 正友	

Bioconjugate Chemistry

17005	Tomomi Koshiyama	21 (2010) 264-269	2008A1124	BL38B1	上野 隆史	Modification of Porous Protein Crystals in Development of Bio-hybrid Materials
			2008B1301	BL38B1	上野 隆史	
			2009A1185	BL38B1	上野 隆史	

Carbohydrate Polymers

15729	Ritsuko Hori	70 (2007) 298-303	2002A0435	BL40B2	和田 昌久	The Thermal Expansion of Mannan I Obtained from Ivory Nuts
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Carbohydrate Research

15731	Masao Hiraishi	344 (2009) 2468-2473	2007B1349	BL38B1	和田 昌久	Synthesis of Highly Ordered Cellulose II in vitro using Cellodextrin Phosphorylase
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Carbon

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
17018	Jun Maruyama	48 (2010) 3271-3276	2008A1891	BL14B2	丸山 純	Direct Synthesis of a Carbonaceous Fuel Cell Catalyst from Solid Containing Small Organic Molecules and Metal Salts

Cellulose

15730	Masahisa Wada	16 (2009) 943-957	2008B1466	BL38B1	和田 昌久	The Structure of the Complex of Cellulose I with Ethylenediamine by X-ray Crystallography and Cross-Polarization/Magic Angle Spinning ¹³ C Nuclear Magnetic Resonance
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Cerebral Cortex

16941	Ryuta Mizutani	20 (2010) 1739-1748	2006B1716	BL20XU	水谷 隆太	Microtomographic Analysis of Neuronal Circuits of Human Brain
			2007A1844	BL20XU	水谷 隆太	
			2007B1102	BL20XU	水谷 隆太	
			2009A1113	BL20XU	水谷 隆太	

Chemical Communications

15666	Masako Suzuki	(2009) 4871-4873	2007A1001	BL38B1	上野 隆史	Preparation and Catalytic Reaction of Au/Pd Bimetallic Nanoparticles in Apo-Ferritin
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Chemical Physics Letters

16224	Kumiko Kamata	470 (2009) 90-94	2007A1803	BL01B1	前田 和彦	Synthesis and Photocatalytic Activity of Gallium-Zinc-Indium Mixed Oxynitride for Hydrogen and Oxygen Evolution under Visible Light
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Chemistry and Physics of Lipids

16935	Ichiro Hatta	163 (2010) 381-389	2006B1092	BL40B2	八田 一郎	Novel Method to Observe Subtle Structural Modulation of Stratum Corneum on Applying Chemical Agents
			2007A1322	BL40B2	太田 昇	
			2007B1072	BL40B2	八田 一郎	

Chemistry Letters

16981	Hiromi Yamashita	36 (2007) 348-353	2006A1278	BL01B1	山下 弘巳	Applications of Single-site Photocatalysts Implanted within the Silica Matrixes of Zeolite and Mesoporous Silica
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Chemosphere

15112	Masaki Takaoka	73 (2008) S78-S83	2005B0439	BL01B1	高岡 昌輝	Relationship between Dynamic Change of Copper and Dioxin Generation in Various Fly Ash
			2004A0040	BL01B1	高岡 昌輝	
			2003B0215	BL01B1	高岡 昌輝	

Electrochemistry

16877	Yasushi Idemoto	78 (2010) 367-369	2009B1807	BL19B2	伊藤 孝憲	Effect of Li Content on Electronic Structure by First-Principle Calculation for Li _{1+x} Ni _{0.5} Mn _{0.5} O ₂ Cathode Active Material of Lithium-Ion Battery
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EMBO Reports

16812	Nobutaka Numoto	10 (2009) 1228-1234	2006A1716	BL38B1	三木 邦夫	Inter-subunit Interaction and Quaternary Rearrangement Defined by the Central Stalk of Prokaryotic V ₁ -ATPase
			2006B1664	BL38B1	三木 邦夫	
			2001A0162	BL41XU	三木 邦夫	
			2006A2716	BL41XU	三木 邦夫	
			2006B2664	BL41XU	三木 邦夫	
			2006A6831	BL44XU	三木 邦夫	

Environmental Science & Technology

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
16997	Satoshi Mitsunobu	44 (2010) 3712-3718	2007A2065	BL37XU	高橋 嘉夫	Antimony(V) Incorporation into Synthetic Ferrihydrite, Goethite, and Natural Iron Oxyhydroxides
			2008A1463	BL37XU	高橋 嘉夫	
			2009A1571	BL01B1	光延 聖	
			2009B1575	BL01B1	光延 聖	

Ferroelectrics

10940	Noritaka Kato	346 (2007) 162-167	2003B0222	BL46XU	加藤 徳剛	Structural Phase Transition in Two-Dimensional Crystallites of Organic Dye Molecules Formed on Aqueous Subphases
			2005B0264	BL46XU	加藤 徳剛	

Genes to Cells

15044	Masami Yamashita	12 (2007) 1255-1265	2007A1076	BL41XU	濡木 理	Crystal Ctructure of Human DAAM1 Formin Homology 2 Domain
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Inorganic Chemistry

16839	Hitoshi Yusa	49 (2010) 4478-4485	2008A1253	BL10XU	遊佐 育	Dense Ytria Phase Eclipsing the A-type Sesquioxides Structure: High-Pressure Experiments and ab initio Calculations
			2009A1216	BL10XU	遊佐 育	
			2008A1241	BL04B2	遊佐 育	

International Journal of Cast Metals Research

15611	Hideyuki Yasuda	21 (2008) 125-128	2007B0014	BL20B2	安田 秀幸	<i>In-situ</i> Observation of Nucleation, Fragmentation and Microstructure Evolution in Sn-Bi and Al-Cu Alloys
			2007A0014	BL20B2	安田 秀幸	

Journal of Colloid and Interface Science

17000	Masafumi Harada	343 (2010) 423-432	2009A1330	BL45XU	原田 雅史	Characterization of Water/AOT/Benzene Microemulsions during Photoreduction to Produce Silver Particles
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Journal of Crystal Growth

15174	Shigeya Kimura	310 (2008) 40-46	2005B0813	BL01B1	江村 修一	Low Temperature Molecular Beam Epitaxy Growth of Cubic GaCrN
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Journal of Environmental Radioactivity

16946	Noriko Yamaguchi	101 (2010) 451-457	2005A0667	BL01B1	山口 紀子	Inorganic Iodine Incorporation into Soil Organic Matter: Evidence from Iodine K-edge X-ray Absorption Near- Edge Structure
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Journal of Molecular Liquids

16808	Szilvia Pothoczki	153 (2010) 112-116	2007A1084	BL04B2	Pusztai Laszlo	Partial Radial Distribution Functions of Methylene Halide Molecular Liquids
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Journal of Physics D: Applied Physics

16391	Rie Umetsu	43 (2010) 105001	2006A1401	BL25SU	中村 哲也	Soft X-ray Magnetic Circular Dichroism of $L2_1$ -type Co_2FeGa Heusler Alloy
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The Journal of Physical Chemistry A

16737	Yoshihiro Okamoto	114 (2010) 4664-4671	2009A3504	BL11XU	池田 篤史	Local Coordination about La^{3+} in Molten $LaCl_3$ and Its Mixtures with Alkali Chlorides
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The Journal of Physical Chemistry Letters

16978	Kohsuke Mori	1 (2010) 1675-1678	2009B1127	BL01B1	森 浩亮	In Situ Generation of Active Pd Nanoparticles within a Macroreticular Acidic Resin: Efficient Catalyst for the Direct Synthesis of Hydrogen Peroxide
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Journal of Polymer Science Part A: Polymer Chemistry

10859	Takakazu Yamamoto	45 (2007) 548-552	2005B7001	BL02B1	鳥海 幸四郎	Poly(<i>p</i> -phenylene)-type Polymer Composed of an (<i>R,R</i>)- C_2 -symmetric Chiral Recurring Unit: Solution Behavior, Packing Structure, and Large Circular Dichroism Observed with a Film of the Polymer
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Journal of Power Sources

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
15634	Masanori Morishita	193 (2009) 871-877	2008B1699	BL19B2	境 哲男	Structural Analysis by Synchrotron X-ray Diffraction, X-ray Absorption Fine Structure and Transmission Electron Microscopy for Aluminum-Substituted γ -type Nickel Hydroxide Electrode
			2008B2123	BL19B2	境 哲男	
			2008B2124	BL14B2	境 哲男	
			2008A1854	BL14B2	尾崎 哲也	

Journal of the Electrochemical Society

15631	Masanori Morishita	156 (2009) A366-A370	2008A1957	BL19B2	境 哲男	Structural Analysis Using Synchrotron XRD and XAFS for Cobalt Oxyhydroxides Heat-Treated under Sodium Hydroxide Solution for Nickel Hydroxide Electrode
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Journal of the Korean Physical Society

16973	Yasuhiro Yoneda	55 (2009) 741-745	2007A1327	BL04B2	米田 安宏	Local Structure Analysis of BaTiO ₃ and BiFeO ₃ in the High-temperature Cubic Phase
			2006A3613	BL14B1	米田 安宏	
			2007B1139	BL04B2	米田 安宏	

JSPS 141 Committee Activity Report

16887	Hideaki Hozumi	(2009) 317-322	2009A3872	BL23SU	高桑 雄二	Real-Time Photoelectron Spectroscopy Study of 3C- SiC Nucleation and Growth on Si(001) Surface by Carbonization with Ethylene
			2008B3874	BL23SU	高桑 雄二	
			2008A3878	BL23SU	高桑 雄二	

Langmuir

16856	Shun Nishimura	6 (2010) 4473-4479	2008B1328	BL01B1	海老谷 幸喜	<i>In Situ</i> Time-Resolved XAFS Study on the Formation Mechanism of Cu Nanoparticles Using Poly(<i>N</i> -vinyl-2- pyrrolidone) as a Capping Agent
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Macromolecules

16972	Yongxin Duan	43 (2010) 5315-5322	2008A1649	BL13XU	高橋 功	Melting Behavior of Epitaxially Crystallized Polycaprolactone on a Highly Oriented Polyethylene Thin Film Investigated by <i>in Situ</i> Synchrotron SAXS and Polarized Infrared Spectroscopy
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Materials Transactions

10783	Masato Yamashita	48 (2007) 579-583	2006A0222	BL19B2	原 修一	X-ray Diffraction Analysis of Rust Layer on a Weathering Steel Bridge with Surface Treatment Using Synchrotron Radiation
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Nature Structural & Molecular Biology

15355	Ping Yin	16 (2009) 1230-1236	2008B0019	BL41XU	Yan Nieng	Structural Insights into the Mechanism of Abscisic Acid Signaling by PYL Proteins
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New Carbon Materials

15639	Shijin Liang	23 (2008) 241-244	2006A1653	BL27SU	前田 康二	The Role of a Graphitic Surface Layer in Electron- Stimulated Ordering in Tetrahedral Amorphous Carbon Films
			2007A1501	BL27SU	前田 康二	

Nucleic Acids Research

16914	Wen-Yih Jeng	36 (2008) 1567-1577	2006B4135	BL12B2	Wang Andrew	Crystal Structure of IcaR, a Repressor of the TetR Family Implicated in Biofilm Formation in <i>Staphylococcus epidermidis</i>
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Optics Communications

15243	Aliaksandr Darahanau	251 (2005) 100-108	装置 & 技術			Application of Quantitative X-ray Phase Retrieval from Fraunhofer Diffraction Data to Nano-Resolution Profiling of Materials
			2004B0022	BL29XU	Nikulin Andrei	

Optics 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
16807	Mario Beltran	18 (2010) 6423-6436	2009A1882	BL20B2	Kitchen Marcus	2D and 3D X-ray Phase Retrieval of Multi-Material Objects Using a Single Defocus Distance

Organic Electronics

15670	Yutaka Natsume	10 (2009) 107-114	2007B1826	BL46XU	南方 尚	Pentacene Thin Film Transistors Fabricated by Solution Process with Directional Crystal Growth
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Physica Status Solidi C

11440	Akira Yamane	3 (2006) 2705-2708	2005B0917	BL19B2	梅田 鉄	Luminescent Properties of Tb-activated Rare-earth Oxyapatite Silicate $MLn_4Si_3O_{13}$ (M = Ca, Sr, Ln = La, Gd)
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Physical Chemistry Chemical Physics

16738	Kazuyuki Sakamoto	12 (2010) 3815-3823	2007A3628	BL14B1	菅野 了次	Structural Changes in Surface and Bulk $LiNi_{0.5}Mn_{0.5}O_2$ during Electrochemical Reaction on Epitaxial Thin-Film Electrodes Characterized by <i>in situ</i> X-ray Scattering
			2007B3672	BL14B1	菅野 了次	

Physics of the Earth and Planetary Interiors

17013	Shigeaki Ono	180 (2010) 1-6	2006A1412	BL10XU	小野 重明	Magnetic Transition of Iron Carbide at High Pressures
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Plant and Cell Physiology

16864	Emiko Harada	51 (2010) 848-853	2008B1321	BL37XU	原田 英美子	Characterization of Cadmium Accumulation in Willow as a Woody Metal Accumulator Using Synchrotron Radiation-Based X-ray Microanalyses
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PLoS ONE

15502	Che Connon	2 (2007) e1147	2006A1012	BL40XU	Quantock Andrew	The Biomechanics of Amnion Rupture: An X-ray Diffraction Study
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Protein Engineering Design and Selection

16949	Taro Kanzaki	23 (2010) 393-402	2008B1977	BL40B2	岡 俊彦	Adaptation of a Hyperthermophilic Group II Chaperonin to Relatively Moderate Temperatures
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Protein Science

17029	Wojciech Strzalka	18 (2009) 1072-1080	2009A1117	BL38B1	大山 拓次	Crystal Structures of the <i>Arabidopsis thaliana</i> Proliferating Cell Nuclear Antigen 1 and 2 Proteins Complexed with the Human p21 C-terminal Segment
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Proteins: Structure, Function, and Bioinformatics

11553	Shigenori Kanaya	68 (2007) 617-625	2005B0017	BL38B1	金谷 茂則	Conformational Contagion in a Protein: Structural Properties of a Chameleon Sequence
			2005B1766	BL41XU	金谷 茂則	
			C05A7209	BL44XU	金谷 茂則	

Reviews of Geophysics

12063	Kei Hirose	44 (2006) RG3001	2006A0099	BL10XU	廣瀬 敬	Postperovskite Phase Transition and its Geophysical Implications
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Scripta Materialia

15613	Y. K. Zhang	59 (2008) 1002-1005	2007A1636	BL20XU	安田 秀幸	Reduced Droplet Coarsening in Electromagnetically Levitated and Phase-Separated Cu-Co Alloys by Imposition of a Static Magnetic Field
			2007A0014	BL20B2	安田 秀幸	

Solid State Communications

15668	Junichi Yamaura	149 (2009) 31-34	2007A2089	BL10XU	井澤 公一	Re-examination of the Crystal Structure of the pyrochlore Oxide Superconductor KOs_2O_6 by X-ray and Convergent-Beam Electron Diffraction Analyses
			2007B1183	BL10XU	井澤 公一	

Solid State Ionics

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
15170	Yoshinori Arachi	175 (2004) 119-121	2003A0158	BL02B2	荒地 良典	High-Temperature Structure of Sc ₂ O ₃ -doped ZrO ₂

Solid State Sciences

16802	Yoshitaka Matsushita	12 (2010) 676-679	2007A4503	BL15XU	松下 能孝	Crystal Structures of Cr-based Magnetic Pyroxenes
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Spectrochimica Acta Part B

16032	Yasuto Matsui	64 (2009) 796-801	2006B1610	BL37XU	内山 巖雄	Tracking the Pathway of Diesel Exhaust Particles from the Nose to the Brain by X-ray Florescence Analysis
			2006A1668	BL37XU	内山 巖雄	

Synthetic Metals

15671	Yutaka Natsume	159 (2009) 338-342	2007B1826	BL46XU	南方 尚	Crystalline Structure of Solution-Processed Pentacene Thin Films
			2005A0031	BL13XU	松野 信也	

Transactions of the Materials Research Society of Japan

16883	Yohko Yano	34 (2009) 631-638	2009A1686	BL37XU	矢野 陽子	X-ray Specular and Off-Specular Reflection from a Protein Adsorbed at a Liquid Surface
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Zeitschrift fur Kristallographie

15015	Junji Saida	223 (2008) 726-730	2007A1877	BL01B1	佐藤 成男	Nano Quasicrystal Formation and Local Atomic Structure in Zr-Pd and Zr-Pt Binary Metallic Glasses
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X線分析の進歩 (Advances in X-Ray Chemical Analysis, Japan)

16884	Yohko Yano	41 (2010) 117-125	2009A1686	BL37XU	矢野 陽子	Depth Distribution Analysis of Cl ⁻ in Aqueous Ionic Liquids by X-Ray Reflectivity Measurements
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高分子論文集 (Koubunshi Ronbunshu)

16750	Sumiaki Fujii	66 (2009) 612-618	2008B1538	BL20XU	竹中 幹人	Study on Hierarchical Structure of Polyethylene by using USAXS, SAXS and WAXS
			2008A1321	BL20XU	竹中 幹人	
			2007A1026	BL20XU	竹中 幹人	

鉄と鋼 (Tetsu to Hagane)

15144	Mitsuharu Yonemura	93 (2007) 138-144	2004B0363	BL46XU	米村 光治	<i>In-situ</i> Observation of Microstructure Formation Process of Weld Metals by Time-Resolved X-ray Diffraction
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日本応用磁気学会誌 (Journal of the Magnetism Society of Japan)

16667	Takahide Kubota	34 (2010) 100-106	2007B1534	BL25SU	桜庭 裕弥	Element-Specific Evaluation of Magnetic Moments in Ferrimagnetic Mn ₂ VAl Heusler Epitaxial Thin Films
			2008B1007	BL25SU	安藤 康夫	

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

9890	Shuichi Hara	71 (2007) 346-353	2006A0222	BL19B2	原 修一	Synchrotron XRD Analysis of Local Positions in Laminated Heavy Rust Layer Formed on Weathering Steel Bridge
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日本接着学会誌 (Journal of the Adhesion Society of Japan)

10664	Shigeki Nakahara	43 (2007) 58-63	2005B0873	BL13XU	中原 重樹	Study of Chemical Analysis at the Surface of Organic Thin Films by Scanning Force Microscopy with Chemically Modified Cantilever Tip
			2005A0190	BL13XU	中原 重樹	

課題以外の成果として登録された論文

Journal of Physics: Conference Series

研究成果番号	主著者	雑誌情報	関連情報	ビームライン	タイトル
15773	Sono Sasaki	184 (2009) 012015	理研	BL45XU	Crystallization Behavior of Polyethylene on Silicon Wafers in Solution Casting Processes Traced by Time-Resolved Measurements of Synchrotron Grazing-incidence Small-angle and Wide-angle X-ray Scattering
16844	Hiroshi Amitsuka	200 (2010) 012007	原研	BL22XU	Resonant X-ray Scattering Study of Hidden Order in URu ₂ Si ₂ Using a Low-Stress Single Crystal
16845	Toshiya Inami	200 (2010) 032022	原研	BL22XU	Field-induced Incommensurate-to-Commensurate Transition in the Triangular Lattice Antiferromagnet GdPd ₂ Al ₃
16846	Toshiya Inami	211 (2010) 012010	原研	BL22XU	Resonant Magnetic X-ray Diffraction Study on the Successive Metamagnetic Transitions of TbB ₄ up to 30 T
17031	Masaki Oura	235 (2010) 012016	理研	BL17SU	Vibrationally Resolved Resonant X-ray Emission Spectra of Diatomic Molecules

Review of Scientific Instruments

15334	Satoshi Matsuyama	77 (2006) 093107	装置 & 技術	BL29XU	Development of Mirror Manipulator for Hard X-ray Nanofocusing at Sub-50-nm Level
15335	Satoshi Matsuyama	77 (2006) 103102	装置 & 技術	BL29XU	Development of Scanning X-ray Fluorescence Microscope with Spatial Resolution of 30 nm using K-B Mirrors Optics
15336	Satoshi Matsuyama	76 (2005) 083114	装置 & 技術	BL29XU	Diffraction-Limited Two-Dimensional Hard-X-rays Focusing in 100 nm Level using Kirkpatrick-Baez Mirror Arrangement
16936	Yukio Takahashi	81 (2010) 033707	理研	BL29XU	An Experimental Procedure for Precise Evaluation of Electron Density Distribution of a Nanostructured Material by Coherent X-ray Diffraction Microscopy

Journal of the Physical Society of Japan

16498	Shigemasa Suga	78 (2009) 074704	理研	BL19LXU	Unraveling Genuine First Order Bulk Valence Transition and Kondo Resonance in YbInCu ₄ by High Energy Photoelectron Spectroscopy
16843	Toshiya Inami	78 (2009) 084713	原研	BL22XU	Resonant Magnetic X-ray Diffraction Study on the Triangular Lattice Antiferromagnet GdPd ₂ Al ₃

Physical Review Letters

16408	Kenji Tamasaku	103 (2009) 254801	理研	BL19LXU	Determining X-Ray Nonlinear Susceptibility of Diamond by the Optical Fano Effect
16964	Preeti Bhobe	104 (2010) 236404	理研 理研	BL17SU BL29XU	Evidence for a Correlated Insulator to Antiferromagnetic Metal Transition in CrN

Proceedings of SPIE

15265	Andrei Nikulin	4134 (2000) 268-278	装置 & 技術		On Applications of Phase-Retrieval X-ray Diffractometry (PRXR) to Advanced Characterization of Materials used in Photonic Space Systems
15266	Andrei Nikulin	4144 (2000) 193-203	装置 & 技術		Phase-Retrieval X-ray Diffractometry in the Case of High- or low-Flux Radiation Source

Acta Crystallographica Section F

15313	Eriko Nango	64 (2008) 558-560	理研	BL26B1	Crystallization and Preliminary X-ray Analysis of Viceniaminyltransferase VinC
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Applied Optics

15403	Kazuto Yamauchi	44 (2005) 6927-6932	理研	BL29XU	Wave-Optical Evaluation of Interference Fringes and Wavefront Phase in Hard X-ray Beam Totally Reflected by Mirror Optics
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Bioorganic and Medicinal Chemistry

15311	Eriko Nango	17 (2009) 7789-7794	理研	BL26B2	Crystal Structure of 3-isopropylmalate Dehydrogenase in Complex with NAD ⁺ and a Designed Inhibitor
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Chemical Communications

研究成果番号	主著者	雑誌情報	関連情報	ビームライン	タイトル
15674	Jochen Niemeyer	(2008) 6519-6521	理研	BL44B2	Noncovalent Insertion of Ferrocenes into the Protein Shell of apo-Ferritin

Japanese Journal of Applied Physics

15830	Soichiro Handa	48 (2009) 096507	理研	BL29XU	Novel Scheme of Figure-Error Correction for X-ray Nanofocusing Mirror
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The Journal of Biological Chemistry

16752	Seiji Ishi	285 (2010) 10777-10785	理研	BL26B2	Crystal Structure of the Peptidase Domain of <i>Streptococcus</i> ComA, a Bifunctional ATP-binding Cassette Transporter Involved in the Quorum-Sensing Pathway
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Journal of Molecular Biology

16034	Takatoshi Arakawa	366 (2006) 1497-1509	理研	BL44B2	Structure of Thiocyanate Hydrolase: A New Nitrile Hydratase Family Protein with a Novel Five-coordinate Cobalt(III) Center
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16810	Tomoyasu Kichise	76 (2009) 779-786	理研	BL44B2	Crystal Structure of the Phenylacetic Acid Degradation Protein PaaG from <i>Thermus thermophilus</i> HB8
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