

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（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	21	Applied Physics Letters	5
Journal of Physics: Conference Series	10	Nuclear Instruments and Methods in Physics Research Section A	5
Journal of the Physical Society of Japan	8	IOP Conference Series: Materials Science and Engineering	4
Acta Crystallography Section F	7	Japanese Journal of Applied Physics	4
Journal of Molecular Biology	7	Physics of the Earth and Planetary Interiors	4
Journal of Physics: Condensed Matter	6		
Materials Science Forum	6		

他全100誌、計 208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
16868	Yuki Nakamoto	81 (2010) 140106	2009A1893	BL10XU	清水 克哉	Ca-VI: A High-Pressure Phase of Calcium above 158 GPa
17762	Kazuhiro Igarashi	78 (2008) 235106	2008A1038	BL02B2	守友 浩	Electronic Structure of Hole-Doped Co-Fe Cyanides: $\text{Na}_{1.60-\delta}\text{Co}[\text{Fe}(\text{CN})_6]_{0.90} \cdot 2.9\text{H}_2\text{O}$ ($0.0 \leq \delta \leq 0.85$)
17767	Jungeun Kim	79 (2009) 132105	2008B1033	BL01B1	守友 浩	Guest-Host Interaction of $\text{K}_{0.34}\text{Co}[\text{Fe}(\text{CN})_6]_{0.75} \cdot z\text{H}_2\text{O}$ as Investigated by a Charge-Density Analysis
			2008A1038	BL02B2	守友 浩	
			2007A1749	BL02B2	金 廷恩	
17768	Tomoyuki Matsuda	79 (2009) 172302	2008B1032	BL02B2	守友 浩	Universal Thermal Response of the Prussian Blue Lattice
17771	Yuta Abe	80 (2009) 134101	2008B1033	BL01B1	守友 浩	Phase Separation Driven by Mobile Cations in $(\text{Na}_{1-x}\text{K}_x)_{0.35}\text{Co}[\text{Fe}(\text{CN})_6]_{0.74} \cdot z\text{H}_2\text{O}$
			2008A1038	BL02B2	守友 浩	
17788	Shinji Kohara	82 (2010) 134209	2002B0702	BL04B2	鈴谷 賢太郎	Lead Silicate Glasses: Binary Network-Former Glasses with Large amounts of Free Volume
17814	Paul Fons	82 (2010) 041203	2005B0006	BL01B1	Fons Paul	Photoassisted Amorphization of the Phase-Change Memory Alloy $\text{Ge}_2\text{Sb}_2\text{Te}_5$
			2010A1625	BL39XU	Fons Paul	
17815	Paul Fons	82 (2010) 155209	2009A1462	BL01B1	Kolobov Alexander	Phase Transition in Crystalline GeTe: Pitfalls of Averaging Effects
17893	Alexander Gray	82 (2010) 205116	2009A4906	BL15XU	Fadley Charles	Interface Properties of Magnetic Tunnel Junction $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3/\text{SrTiO}_3$ Superlattices Studied by Standing-Wave Excited Photoemission Spectroscopy
17905	Kenji Ohta	82 (2010) 174120	2008B0099	BL10XU	廣瀬 敬	High-Pressure Experimental Evidence for Metal FeO with Normal NiAs-type Structure
			2009A0087	BL10XU	廣瀬 敬	
17945	Siham Ouardi	82 (2010) 085108	2008B0017	BL47XU	Fecher Gerhard	Electronic Transport Properties of Electron- and Hole-doped Semiconducting $C1_b$ Heusler Compounds: $\text{NiTi}_{1-x}\text{M}_x\text{Sn}$ ($M=\text{Sc}, \text{V}$)
17946	Yoshihiko Kobayashi	82 (2010) 174430	2006A1326	BL46XU	小林 義彦	Extraordinary Hall Effect in $\text{Ba}_{1-x}\text{Sr}_x\text{RuO}_3$ Films
			2007A1381	BL46XU	小林 義彦	
17963	Emiko Sugimura	82 (2010) 134103	2008A0099	BL10XU	廣瀬 敬	Simultaneous High-Pressure and High-Temperature Volume Measurements of Ice VII and Its Thermal Equation of State
			2007B0099	BL10XU	廣瀬 敬	
			2009B0087	BL10XU	廣瀬 敬	
18026	Daisuke Hamane	82 (2010) 092103	2009B1238	BL10XU	瀬戸 雄介	Decomposition of Perovskite FeTiO_3 into Wüstite $\text{Fe}_{1-x}\text{Ti}_{0.5x}\text{O}$ and Orthorhombic FeTi_3O_7 at High Pressure
18053	Atsushi Yamasaki	82 (2010) 184511	2009A1122	BL25SU	山崎 篤志	Electron Correlation in the FeSe Superconductor Studied by Bulk-Sensitive Photoemission Spectroscopy
			2008B1149	BL27SU	山崎 篤志	
18172	Toshiya Inami	82 (2010) 195133	2009B3711	BL22XU	稲見 俊哉	Observation of Two Charge Ordering Transitions in the Valence-fluctuating EuPtP by Resonant X-ray Diffraction
18179	Jun Fujioka	82 (2010) 144425	2006A3711	BL22XU	宮坂 茂樹	Critical Competition between Two Distinct Orbital-Spin Ordered States in Perovskite Vanadates
18226	Jong-Suck Jung	82 (2010) 212403	2010A1133	BL39XU	Chang Chia-Ming	Magnetocapacitive Effects in the Néel M -type Ferrimagnet SmMnO_3
18238	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
18240	Jun Sugiyama	82 (2010) 224412	2008B1874	BL02B2	向 和彦	Low-temperature Magnetic Properties and High-temperature Diffusive Behavior of LiNiO_2 Investigated by Muon-spin Spectroscopy

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
14851	Takumi Takano	150 (2009) 052258	2007B1208	BL02B2	岩佐 義宏	Effect of Organic-Molecule Co-intercalation on T_c in Li_xHfNCI Superconductor
17764	Hayato Kamioka	148 (2008) 012031	2007B1069	BL02B2	守友 浩	Transient Photo-induced Phenomena in Vacancy-Controlled Co-Fe Cyanides
17845	Osamu Takahashi	235 (2010) 012018	2009A1085	BL27SU	長岡 伸一	X-ray Absorption Spectra of SiF_4 and $\text{Si}(\text{CH}_3)_4$ in the Si K -shell Excitation Region
17903	Hiroshi Okuda	247 (2010) 012037	2009B1465	BL40B2	奥田 浩司	Nano-Quasicrystal Formation in $\text{Zr}_{75}\text{Cu}_{20}\text{Pt}_5$ Glass Ribbons during Annealing Examined by in-situ SWAXS
			2008B1180	BL40B2	奥田 浩司	
17908	Hidekazu Okamura	215 (2010) 012051	2007B1314	BL43IR	岡村 英一	Infrared Studies of f Electron Systems under High Pressure Using Synchrotron Radiation
			2006A1186	BL43IR	松波 雅治	
			2005B0621	BL43IR	松波 雅治	
			2005A0560	BL43IR	松波 雅治	
17944	Naoto Yagi	247 (2010) 012024	2007A1945	BL40XU	田中 智子	A Microbeam Small-Angle X-ray Scattering Study on Enamel Crystallites in Subsurface Lesion
			2007A2095	BL40XU	田中 智子	
			2008B1995	BL40XU	田中 智子	
			2009A1885	BL40XU	田中 智子	
			理研	BL45XU		
17985	Masashi Handa	246 (2010) 012006	2008B1151	BL27SU	篠原 佑也	Feasibility Study on Anomalous Small-Angle X-ray Scattering near Sulphur K -edge
			2009A1897	BL27SU	篠原 佑也	
18019	Koji Ando	247 (2010) 012040	2009A1419	BL40B2	岡本 茂	SCFT Simulation and SANS Study on Spatial Distribution of Solvents in Microphase Separation Induced by a Differentiating Non-Solvent in a Semi-Dilute Solution of an Ultra-High-Molecular-Weight Block Copolymer
			2009B1343	BL40B2	岡本 茂	
			2008A3306	BL08B2	松野 信也	
18040	Teruaki Onai	247 (2010) 012018	2009B1730	BL40B2	平井 光博	Morphology Transition of Raft-Model Membrane Induced by Osmotic Pressure: Formation of Double-Layered Vesicle Similar to an Endo- and/or Exocytosis
18158	Tomokazu Sano	165 (2009) 012019	2006A1613	BL13XU	佐野 智一	Femtosecond Laser-Driven Shock Synthesis of Hexagonal Diamond from Highly Oriented Pyrolytic Graphite
			2005B0430	BL13XU	佐野 智一	

Journal of the Physical of Society Japan

16753	Kenji Homma	79 (2010) 90-93	2008A1749	BL02B2	本間 健司	Crystal Structure of High-temperature Phase of Lithium Ionic Conductor, Li_3PS_4
17714	Hiroki Ogusu	79 (2010) 114710	2007A2089	BL10XU	井澤 公一	Superconducting and Structural Transitions in the β -Pyrochlore Oxide KOs_2O_6 under High Pressure
			2007B1183	BL10XU	井澤 公一	
17759	Hayato Kamioka	77 (2008) 093710	2008A1038	BL02B2	守友 浩	Charge-Transfer Dynamics in Cyano-Bridged M_A -Fe System ($M_A = \text{Mn, Fe, and Co}$)
17760	Takayuki Shibata	77 (2008) 104714	2008A1038	BL02B2	守友 浩	Magnetic and Electronic Properties of Valence-Controlled Ni-Fe Cyanide
17765	Yutaka Moritomo	78 (2009) 074602	2008B1033	BL01B1	守友 浩	Doping-Induced Structural Phase Transition in $\text{Na}_{1.6-x}\text{Co}[\text{Fe}(\text{CN})_6]_{0.90}2.9\text{H}_2\text{O}$
			2008A1038	BL02B2	守友 浩	
17772	Tomoyuki Matsuda	78 (2009) 105002	2009A1040	BL10XU	守友 浩	Pressure-Induced Phase Transition in Zn-Fe Prussian Blue Lattice
17774	Yutaro Kurihara	79 (2010) 044710	2008B1033	BL01B1	守友 浩	Electronic Structure of Hole-Doped Transition Metal Cyanides
18246	Fumihiko Matui	80 (2011) 013601	2009A1753	BL25SU	大門 寛	Site-Specific Stereograph of $\text{SiC}(0001)$ Surface by Inverse Matrix Method
			2009B1769	BL25SU	松井 文彦	

Acta Crystallographica Section F

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
16835	Yasutoshi Kido	66 (2010) 275-278	2008A6822	BL44XU	原田 繁春	Crystallization and Preliminary Crystallographic Analysis of Cyanide-Insensitive Alternative Oxidase from <i>Trypanosoma brucei brucei</i>
			2008B6822	BL44XU	原田 繁春	
			2009A6932	BL44XU	原田 繁春	
			2009B6932	BL44XU	原田 繁春	
16836	Emmanuel Balogun	66 (2010) 304-308	2009A6932	BL44XU	原田 繁春	Overproduction, Purification, Crystallization and Preliminary X-ray Diffraction Analysis of <i>Trypanosoma brucei gambiense</i> Glycerol Kinase
			2009B6932	BL44XU	原田 繁春	
17564	Len Ito	66 (2010) 750-754	2007B6938	BL44XU	山口 宏	Amino Acids and Glycine Ethyl Ester as New Crystallization Reagents for Lysozyme
17868	Tomomi Sumida	66 (2010) 1115-1118	2005B008	BL41XU	伊藤 拓宏	Crystallization and Preliminary X-ray Crystallographic Study of GenX, a Lysyl-tRNA Synthetase Parologue from <i>Escherichia coli</i> , in Complex with Translation Elongation Factor P
			2005B0529	BL41XU	関根 俊一	
			2006A1362	BL41XU	関根 俊一	
			2006A1494	BL41XU	仙石 徹	
			2006B1766	BL41XU	関根 俊一	
			2006B1165	BL41XU	関根 俊一	
17909	Kazuaki Matoba	66 (2010) 1445-1448	2010A6532	BL44XU	原田 繁春	Crystallization and Preliminary X-ray Structural Analysis of Nucleoside Triphosphate Hydrolases from <i>Neospora caninum</i> and <i>Toxoplasma gondii</i>
			2009B6932	BL44XU	原田 繁春	
			2009A6932	BL44XU	原田 繁春	
			2008B6822	BL44XU	原田 繁春	
			2008A6822	BL44XU	原田 繁春	
18056	Hironori Suzuki	66 (2010) 1591-1595	2008B1179	BL38B1	野口 修治	Purification, Crystallization and Preliminary X-ray Crystallographic Analysis of the Human Heat-Shock Protein 40 Hdj1 and its C-terminal Peptide-Binding Domain
18126	Midori Murakami	63 (2007) 475-479	2005A0850	BL41XU	神山 勉	Crystallization and Crystal Properties of Squid Rhodopsin
			2005B1813	BL41XU	神山 勉	
			2006A1564	BL41XU	神山 勉	
			2007A1186	BL41XU	神山 勉	

Journal of Molecular Biology

18111	Tsutomu Kouyama	396 (2010) 564-579	2009B1488	BL26B2	神山 勉	Crystal Structure of the Light-Driven Chloride Pump Halorhodopsin from <i>Natronomonas pharaonis</i>
			2009A1241	BL26B2	神山 勉	
18112	Masataka Yamamoto	393 (2009) 559-573	2009A1022	BL38B1	神山 勉	Crystal Structures of Different Substates of Bacteriorhodopsin's M Intermediate at Various pH Levels
			2009B1510	BL38B1	神山 勉	
18114	Naoki Hayakawa	384 (2008) 812-823	2005A0568	BL38B1	神山 勉	Effect of Xenon Binding to a Hydrophobic Cavity on the Proton Pumping Cycle in Bacteriorhodopsin
18116	Keiko Yoshimura	375 (2008) 1267-1281	2003B0936	BL38B1	神山 勉	Structural role of Bacterioruberin in the Trimeric Structure of Archaerhodopsin-2
			2004A0710	BL38B1	神山 勉	
			2004B0859	BL38B1	神山 勉	
			2005A0569	BL38B1	神山 勉	
			2006B1360	BL38B1	神山 勉	
			2007B1242	BL38B1	神山 勉	
18117	Nobuo Enami	358 (2006) 675-685	2003A0792	BL38B1	神山 勉	Crystal Structures of Archaerhodopsin-1 and -2: Common Structural Motif in Archaeal Light-driven Proton Pumps
			2002B0518	BL40B2	神山 勉	
			2003A0345	BL40B2	神山 勉	
			2003A0791	BL40B2	神山 勉	
18118	Taichi Nishikawa	352 (2005) 319-328	2004A0241	BL40B2	神山 勉	Crystal Structure of the 13- <i>cis</i> Isomer of Bacteriorhodopsin in the Dark-adapted State

Journal of Physics: Condensed Matter

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
17899	Masamitsu Takahashi	22 (2010) 474002	1998A0165	BL14B1	魚崎 浩平	Orientation Dependence of Pd Growth on Au Electrode Surfaces
			1999A0178	BL14B1	魚崎 浩平	
17904	Hiroshi Okuda	22 (2010) 474003	2007A1566	BL13XU	奥田 浩司	A Grazing Incidence Small-Angle X-ray Scattering Analysis on Capped Ge Nanodots in Layer Structures
			2006A1076	BL13XU	奥田 浩司	
17957	Babulal Ahuja	22 (2010) 446001	2008B1098	BL08W	Ahuja Babulal	Temperature Dependent Spin Momentum Densities in Ni-Mn-In Alloys
18190	Alexander Vrhovsek	22 (2010) 404214	2008A1154	BL04B2	Pusztai Laszlo	An Approach towards Understanding the Structure of Complex Molecular Systems: the Case of Lower Aliphatic Alcohols
18191	Szilvia Pothoczki	22 (2010) 404211	2007A1084	BL04B2	Pusztai Laszlo	The Liquid Structure of Haloforms CHCl_3 and CHBr_3
18241	Kenji Maruyama	22 (2010) 455103	2008B1117	BL28B2	丸山 健二	Packing Structure of Chains and Rings in an Expanded Liquid $\text{Se}_{80}\text{Te}_{20}$ Mixture Near the Semiconductor to Metal Transition

Materials Science Forum

11864	Tomomi Ohgaki	561-565 (2007) 1677-1680	2003B0292	BL20B2	戸田 裕之	Three-dimensional Zinc Mapping inside Aluminum Foams using Synchrotron X-ray Microtomography
			2003B0293	BL47XU	戸田 裕之	
			2004A0356	BL20B2	戸田 裕之	
			2004A0358	BL47XU	戸田 裕之	
			2004B0457	BL47XU	戸田 裕之	
14810	Isao Murase	475-479 (2005) 3401-3404	2003A0155	BL40B2	奥田 浩司	Scanning Anomalous Small-Angle Scattering as a Tool to Examine Welded Bulk Glass
			2006A1084	BL40B2	奥田 浩司	
14814	Hiroshi Okuda	539-543 (2007) 2006-2011	2006A1084	BL40B2	奥田 浩司	Anomalous SWAXS Analysis of Zr-Cu-Ni-Al Quaternary Metallic Glass Joints
15022	Tomoaki Takasaki	561-565 (2007) 1577-1580	2006B1513	BL19B2	境 哲男	Hydrogen Storage Property of FCC Type Mg-transition Metal Hydrides Prepared by GPa High Pressure Method
15601	Hideyuki Yasuda	475-479 (2005) 2709-2712	2005A0595	BL40XU	佐々木 裕次	Undercooled Melt Shaping of Al_2O_3 -YAG Eutectic Composite by Melting the Al_2O_3 -YAP Eutectic Structure
18173	Tomokazu Sano	561-565 (2007) 2349-2352	2005B0430	BL13XU	佐野 智一	Femtosecond Laser Synthesis of Polymorphic Diamond from Highly Oriented Pyrolytic Graphite
			2006A1613	BL13XU	佐野 智一	

Applied Physics Letters

17058	Tomoyuki Suwa	96 (2010) 173103	2009B1740	BL27SU	寺本 章伸	Crystallographic Orientation Dependence of Compositional Transition and Valence Band Offset at SiO_2/Si Interface Formed Using Oxygen Radicals
			2009A1711	BL27SU	寺本 章伸	
17597	Hidetoshi Suzuki	97 (2010) 041906	2009A3573	BL11XU	山口 真史	Real-time Observation of Anisotropic Strain Relaxation by Three-Dimensional Reciprocal Space Mapping during InGaAs/GaAs (001) Growth
17686	Minoru Ota	96 (2010) 152505	2006A0097	BL08W	桜井 浩	Perpendicular Magnetic Anisotropy in Co/Pt Multilayers Studied from a View Point of Anisotropy of Magnetic Compton Profiles
			2006B0097	BL08W	桜井 浩	
			2007A0097	BL08W	桜井 浩	
			2007B0097	BL08W	桜井 浩	
			2008A0097	BL08W	桜井 浩	
17940	Xeniya Kozina	96 (2010) 072105	2008B0017	BL47XU	Felser Claudia	A Nondestructive Analysis of the B Diffusion in Ta-CoFeB-MgO-CoFeB-Ta Magnetic Tunnel Junctions by Hard X-ray Photoemission
			2008B0097	BL08W	桜井 浩	
17955	Babulal Ahuja	97 (2010) 212502	2008B1098	BL08W	Ahuja Babulal	Reversal of Orbital Magnetic Moment on Substitution of Bi in Multiferroic Co_2MnO_4 : A Magnetic Compton Scattering Study

Japanese Journal of Applied Physics

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
17784	Yoshio Suzuki	49 (2010) 106701	2009B1419	BL20XU	鈴木 芳生	X-ray Microfocusing by Combination of Grazing-Incidence Spherical-Concave Mirrors
17822	Shunsuke Chikada	49 (2010) 091502	2008A1274	BL01B1	山本 知之	Analysis of Local Environment of Fe Ions in Hexagonal BaTiO ₃
18013	Tomoaki Yamada	49 (2010) 09MC09	2008A1590	BL13XU	Wang Jin	Structural Property and Electric Field Response of a Single Perovskite PbTiO ₃ Nanowire using Micro X-ray Beam
			2009A1027	BL13XU	山田 智明	
			2009B1643	BL13XU	山田 智明	
18149	Naohisa Happo	49 (2010) 116601	2005B0352	BL37XU	八方 直久	Data Analysis of X-ray Fluorescence Holography by Subtracting Normal Component from Inverse Hologram

Nuclear Instruments and Methods in Physics Research Section A

16804	Yasuko Terada	616 (2010) 270-272	2009A1437	BL37XU	寺田 靖子	New X-ray Microprobe System for Trace Heavy Element Analysis Using Ultraprecise X-ray Mirror Optics of Long Working Distance
17880	Keiji Umetani	609 (2009) 38-49	2004A0527	BL20B2	今井 茂樹	Synchrotron Radiation Microimaging in Rabbit Models of Cancer for Preclinical Testing
			2005A0108	BL20B2	梅谷 啓二	
			2008A1480	BL20B2	梅谷 啓二	
			2008B1091	BL20B2	梅谷 啓二	
			2009A1232	BL20B2	梅谷 啓二	
18060	Hisako Niko	579 (2007) 67-70	2007A2111	BL01B1	豊川 秀訓	Study on a Charge-Integrating Operation Mode of M-MSGC towards Very Fine-Pitch MSGC
			2005B0739	BL46XU	二河 久子	
			2005B0791	BL37XU	高橋 浩之	
18076	Hidenori Toyokawa	623 (2010) 204-206	2006A1780	BL46XU	豊川 秀訓	Single Photon Counting Pixel Detectors for Synchrotron Radiation Experiments
			2008A2015	BL46XU	佐藤 真直	

Physics of the Earth and Planetary Interiors

17668	Shigehiko Tateno	181 (2010) 54-59	2008A0099	BL10XU	廣瀬 敬	Structural Distortion of CaSnO ₃ Perovskite under Pressure and the Quenchable Post-Perovskite Phase as a Low-Pressure Analogue to MgSiO ₃
			2007B0099	BL10XU	廣瀬 敬	
			2005A5013	BL10XU	巽 好幸	
17906	Kenji Ohta	180 (2010) 154-158	2006B0099	BL10XU	廣瀬 敬	The Electrical Resistance Measurements of (Mg,Fe)SiO ₃ Perovskite at High Pressures and Implications for Electronic Spin Transition of Iron
17947	Yoshio Kono	183 (2010) 196-211	2007A1133	BL04B1	河野 義生	<i>P-V-T</i> Relation of MgO Derived by Simultaneous Elastic Wave Velocity and in situ X-ray Measurements: A New Pressure Scale for the Mantle Transition Region
			2008A1586	BL04B1	河野 義生	
18245	Yu Nishihara	183 (2010) 164-174	2008A1180	BL04B1	西原 遊	Stress Relaxation Experiments of Olivine under Conditions of Subducted Slab in Earth's Deep Mantle
			2008B1647	BL04B1	西原 遊	
			2009A1611	BL04B1	西原 遊	

Acta Crystallographica Section D

17852	Kanakano Terakado	66 (2010) 319-323	2007A1254	BL41XU	中津 亨	Deleting Two C-terminal α -helices is Effective to Crystallize the Bacterial ABC Transporter <i>Escherichia coli</i> MsbA Complexed with AMP-PNP
			2007B1441	BL41XU	中津 亨	
			2008A1358	BL41XU	中津 亨	
			2008B1532	BL41XU	中津 亨	
18059	Ryota Kuroki	66 (2010) 1126-1130	2005B0982	BL41XU	木下 誉富	Towards Investigation of the Inhibitor-Recognition Mechanisms of Drug-Target Proteins by Neutron Crystallography
			2007A1513	BL41XU	黒木 良太	
18121	Tomoya Hino	60 (2004) 803-809	2000B0449	BL40B2	神山 勉	An Icosahedral Assembly of the Light-harvesting Chlorophyll <i>a/b</i> Protein Complex from Pea Chloroplast Thylakoid Membranes
			2001A0491	BL40B2	神山 勉	
			2002B0516	BL40B2	神山 勉	
			1998A0058	BL41XU	神山 勉	
			1999A0256	BL41XU	神山 勉	
			1999B0258	BL41XU	神山 勉	
			2000B0450	BL41XU	神山 勉	
			2001A0489	BL41XU	神山 勉	
			2001B0294	BL41XU	神山 勉	
			2002A0418	BL41XU	神山 勉	
2002A0420	BL41XU	神山 勉				

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
17684	Andrzej Andrejczuk	879 (2007) 994-997	2005B7003	BL08W	小泉 昭久	A Compound Refractive Lens for 175 keV X-rays
			2006A0097	BL08W	桜井 浩	
17953	Masato Hoshino	1266 (2010) 57-61	2008A1874	BL20B2	毛利 聡	Investigation of Imaging Properties of Mouse Eyes Using X-ray Phase Contrast Tomography
			2008B1967	BL20B2	毛利 聡	
			2008B1991	BL20B2	毛利 聡	
			2009A1887	BL20B2	毛利 聡	
18062	Hidenori Toyokawa	879 (2007) 1141-1144	2006A1780	BL46XU	豊川 秀訓	Methodological Study of a Single Photon Counting Pixel Detector at SPring-8

Angewandte Chemie International Edition

17626	Alexei Belik	49 (2010) 7723-7727	2009A4800	BL15XU	小林 啓介	(In _{1-y} Mn _y)MnO ₃ (1/9 ≤ y ≤ 1/3): Unusual Perovskites with Unusual Properties
			2009B4505	BL15XU	Belik Alexei	
			2009B4810	BL15XU	小林 啓介	
17961	Masaki Kawano	47 (2008) 1269-1271	2006A1824	BL19B2	三浦 圭子	A Selective Instant Synthesis of a Coordination Network and Its Ab Initio Powder Structural Determination
			2006B1740	BL19B2	三浦 圭子	
17965	Kohsuke Mori	49 (2010) 8598-8601	2010A1540	BL01B1	森 浩亮	Enhancement of the Photoinduced Oxidation Activity of Ru(II) Complex Anchored onto Silica-Coated Silver Nanoparticles by the Assist of Localized Surface Plasmon
			2009B1127	BL01B1	森 浩亮	

Earth and Planetary Science Letters

17604	Tetsuya Komabayashi	297 (2010) 691-699	2006B0099	BL10XU	廣瀬 敬	High-temperature Compression of Ferropicicase and the Effect of Temperature on Iron Spin Transition
			2007A0099	BL10XU	廣瀬 敬	
17793	Yuki Asahara	299 (2010) 474-482	2008B0099	BL10XU	廣瀬 敬	Thermoelastic Properties of Ice VII and Its High- pressure Polymorphs: Implications for Dynamics of Cold Slab Subduction in the Lower Mantle
			2009A0087	BL10XU	廣瀬 敬	
17973	Masayuki Uesugi	299 (2010) 359-367	2006A1797	BL20B2	上楯 真之	Non-Destructive Observation of Meteorite Chips using Quantitative Analysis of Optimized X-ray Micro-computed Tomography
			2007A1088	BL20B2	上楯 真之	
			2008A1476	BL20B2	上楯 真之	
			2008B1298	BL20B2	上楯 真之	
			2009A1105	BL20B2	上楯 真之	

Journal of Applied Physics

17817	Milos Krbal	108 (2010) 023506	2008B1293	BL01B1	Pichon Joseph	Amorphous InSb: Longer Bonds yet Higher Density
			2007B0006	BL01B1	Fons Paul	
			2008B1249	BL01B1	Kolobov Alexander	
17889	Hiroshi Amekura	108 (2010) 104302	2006B4501	BL15XU	雨倉 宏	Melting-solidification Transition of Zn Nanoparticles Embedded in SiO ₂ : Observation by Synchrotron X-ray and Ultraviolet-Visible-Near-Infrared Light
			2007A4501	BL15XU	雨倉 宏	
			2007B4502	BL15XU	雨倉 宏	
			2008A4502	BL15XU	雨倉 宏	
			2008B4800	BL15XU	小林 啓介	
17997	Norikazu Ohshima	107 (2010) 103912	2006B0146	BL25SU	大嶋 則和	Magnetic Configuration of Submicron-sized Magnetic Patterns in Domain Wall Motion Memory
			2007A1903	BL25SU	大嶋 則和	

Journal of American Chemical Society

17145	Kengo Oka	132 (2010) 9438-9443	2006B1134	BL04B2	遊佐 齊	Pressure-Induced Spin-State Transition in BiCoO ₃
			2007B1192	BL04B2	遊佐 齊	
			2009A4253	BL12XU	水牧 仁一朗	
17773	Tomoyuki Matsuda	132 (2010) 12206-12207	2009A1041	BL02B2	守友 浩	Symmetry Switch of Cobalt Ferrocyanide Framework by Alkaline Cation Exchange
17813	Hiroshi Danjo	132 (2010) 15556-15558	2009B1225	BL38B1	檀上 博史	Assembly Modulation by Adjusting Counter Charges of Heterobimetallic Supramolecular Polymers Composed of Tris(spiroborate) Twin Bowls

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
17758	Yutaka Moritomo	1 (2008) 111301	2008A1038	BL02B2	守友 浩	Desorption-erasure of the Spin State Transition in Prussian-blue Type Cyanide
17763	Yutaka Moritomo	2 (2009) 085001	2008A1038	BL02B2	守友 浩	Size Dependent Cation Channel in Nanoporous Prussian Blue Lattice

Applied Surface Science

17669	Masahito Tagawa	256 (2010) 7678-7683	2008B3801	BL23SU	寺岡 有殿	Synchrotron Radiation Photoelectron Spectroscopy and Near-Edge X-ray Absorption Fine Structure Study on Oxidative Etching of Diamond-like Carbon Films by Hyperthermal Atomic Oxygen
17972	Michio Okada	256 (2010) 5676-5680	2007A3807	BL23SU	寺岡 有殿	Active Oxidation of Cu ₃ Au(1 1 0) Using Hyperthermal O ₂ Molecular Beam

Biomacromolecules

13685	Masahisa Wada	10 (2009) 302-309	2007B1349	BL38B1	和田 昌久	X-ray Crystallographic, Scanning Microprobe X-ray Diffraction, and Cross-Polarized/Magic Angle Spinning ¹³ C NMR Studies of the Structure of Cellulose III ^{II}
15728	Pawel Sikorski	10 (2009) 1100-1105	2002A0435	BL40B2	和田 昌久	Revisit of α -chitin Crystal Structure using High Resolution X-ray Diffraction Data

Chemical and Pharmaceutical Bulletin

17689	Zhimin Zhao	58 (2010) 1343-1348	2009A1880	BL38B1	榎 飛雄真	Schefflerins A-G, New Triterpene Glucosides from the Leaves of <i>Schefflera arboricola</i>
18250	Katsuhiko Masuda	59 (2011) 57-62	2007B1958	BL19B2	増田 勝彦	Study of the Pseudo-Crystalline Transformation from Form I to Form II of Thiamine Hydrochloride (Vitamin B ₁)

Chemical Communications

17769	Keita Kuroiwa	46 (2010) 1229-1231	2007A2048	BL02B2	黒岩 敬太	Spin Crossover Characteristics of Nanofibrous Fe ^{II} -1,2,4-triazole Complexes in Liquid Crystals
17950	Ziyue Wang	(2010) Online Published	2009A1185	BL38B1	上野 隆史	Definite Coordination Arrangement of Organometallic Palladium Complexes Accumulated on the Designed Interior Surface of Apo-ferritin
			2009B1065	BL38B1	上野 隆史	

Chemistry - A European Journal

17643	Yumiko Kataoka	14 (2008) 5258-5266	2007A3504	BL11XU	塩飽 秀啓	Experimental and Theoretical Approaches Toward Anion-Responsive Tripod-Lanthanide Complexes: Mixed-Donor Ligand Effects on Lanthanide Complexation and Luminescence Sensing Profiles
			2007B3504	BL11XU	塩飽 秀啓	
17694	Eiji Takahashi	16 (2010) 4793-4802	2006B0218	BL19B2	高谷 光	Dynamic Vapochromic Behaviors of Organic Crystals Based on the Open-Close Motions of S-Shaped Donor-Acceptor Folding Units
			2007A1002	BL19B2	高谷 光	
			2007A1305	BL19B2	高谷 光	
			2007B1930	BL19B2	高谷 光	
			2008A1829	BL19B2	高谷 光	
			2008B1871	BL19B2	高谷 光	
			2008B2055	BL19B2	高谷 光	
2009A1805	BL19B2	高谷 光				

Dalton Transactions

17638	Che-Hsiu Shih	39 (2010) 9794-9800	2009B1704	BL02B1	Shih CheHsiu	The Photo-induced Commensurate Modulated Structure in Site-Selective Spin Crossover Complex <i>trans</i> -[Fe(abpt) ₂ (NCS) ₂]
18029	Yusuke Takezawa	(2010) Online Published	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	

IOP Conference Series: Materials Science and Engineering

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
18189	Isamu Akiba	14 (2010) 012009	2007A1243	BL40B2	秋葉 勇	Self-Assembly of Amphiphilic Block Copolymers
			2009A1883	BL40B2	秋葉 勇	Containing Poly(n-octadecyl acrylate) Block in
			2008B1781	BL40B2	秋葉 勇	Aqueous Solution
			2006B1024	BL40B2	秋葉 勇	
18234	Katsuhiro Yamamoto	14 (2010) 012002	2009B1103	BL40B2	山本 勝宏	Microphase Separated Structures of Block Copolymer
			2010A1180	BL40B2	山本 勝宏	Thin Film with Non-Volatile Selective Solvent

Journal of Alloys and Compounds

16794	Mikio Fukuhara	497 (2010) 182-187	2007B1820	BL14B2	真壁 英一	Structures of the Icosahedral Clusters in Ni-Nb-Zr-H Glassy Alloys Determined by First-Principles Molecular Dynamics Calculation and XAFS Measurements
17849	Kousuke Shioi	509 (2011) 332-337	2008A4503	BL15XU	武田 隆史	Synthesis and Photoluminescence of a Novel
			2009A4500	BL15XU	道上 勇一	Sr-SiAlON:Eu ²⁺ Blue-Green Phosphor
			2009B4504	BL15XU	道上 勇一	(Sr ₁₄ Si _{68-s} Al _{6+s} O _s N _{106-s} :Eu ²⁺ (s≈7))

The Journal of Chemical Physics

17636	Koji Yoshida	133 (2010) 134501	2008A1491	BL35XU	吉田 亨次	Collective Dynamics of Hydrated β-lactoglobulin by Inelastic X-ray Scattering
17794	Naoya Nishi	132 (2010) 164705	2008A1200	BL37XU	垣内 隆	Ionic Multilayers at the Free Surface of an Ionic Liquid, Trioctylmethylammonium Bis(nonafluorobutanesulfonyl)amide, Probed by X-ray Reflectivity Measurements

Journal of Materials Chemistry

17796	Satoshi Kameoka	20 (2010) 7348-7351	2009B4502	BL15XU	山本 昭二	Alternately Layered Au/Fe ₃ O ₄ with Porous Structure - a Self-Assembled Nanoarchitecture for Catalysis Materials
17842	Takashi Takeda	20 (2010) 9948-9953	2007B1949	BL14B2	武田 隆史	Anomalous Eu Layer Doping in Eu, Si Co-doped Aluminium Nitride Based Phosphor and Its Direct Observation

The Journal of Physical Chemistry C

17786	Hirohisa Nagatani	114 (2010) 18583-18587	2008B1559	BL39XU	谷田 肇	Polarized Total-Reflection X-ray Absorption Fine
			2009B1071	BL39XU	永谷 広久	Structure of Zinc(II) Porphyrin at the Heptane-Water
			2010A1390	BL39XU	永谷 広久	Interface
17890	Clara Guglieri	114 (2010) 19629-19634	2009B0024	BL39XU	Chaboy Jesus	Characterization of the ZnO-ZnS Interface in THIOL-
			2010A0024	BL39XU	Chaboy Jesus	Capped ZnO Nanoparticles Exhibiting Anomalous Magnetic Properties

Journal of Synchrotron Radiation

17691	Yuya Shinohara	17 (2010) 737-742	2008B1153	BL40XU	篠原 佑也	Indirectly Illuminated X-ray Area Detector for X-ray
			2009A1182	BL40XU	篠原 佑也	Photon Correlation Spectroscopy
17696	Martin Donnelley	17 (2010) 719-729	2009A1878	BL20XU	Parsons David	A New Technique to Examine Individual Pollutant
			2009B1922	BL20XU	Parsons David	Particle and Fibre Deposition and Transit Behaviour in Live Mouse Trachea

Macromolecules

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
17859	Atsushi Takahara	43 (2010) 5470-5473	2008B1734	BL40B2	天本 義史	Solvent-Controlled Formation of Star-like Nanogels via Dynamic Covalent Exchange of PSt-b-PMMA Diblock Copolymers with Alkoxyamine Units in the Side Chain
17882	Yuya Shinohara	43 (2010) 9480-9487	2007A1797	BL40XU	篠原 佑也	Microscopic Observation of Aging of Silica Particles in Unvulcanized Rubber
			2007B1060	BL40XU	篠原 佑也	
			2009B1055	BL40XU	篠原 佑也	
			2010A1109	BL40XU	篠原 佑也	
			2007B0003	BL20XU	雨宮 慶幸	
			2007B0004	BL40B2	雨宮 慶幸	
			2008A0003	BL20XU	雨宮 慶幸	
			2008A0004	BL40B2	雨宮 慶幸	
			2009B1095	BL20XU	篠原 佑也	
2010A7217	BL03XU	岸本 浩通				

Physical Chemistry Chemical Physics

17894	Toyli Anniyev	12 (2010) 5694-5700	2007A2005	BL47XU	Ogasawara Hirohito	Complementarity between High-Energy Photoelectron and L-edge Spectroscopy for Probing the Electronic Structure of 5d Transition Metal Catalysts
			2008A1671	BL47XU	Ogasawara Hirohito	
18242	Cesare Pisani	13 (2011) 933-936	2009A2022	BL08W	櫻井 吉晴	Evidence of Instantaneous Electron Correlation from Compton Profiles of Crystalline Silicon

Physical Review A

17785	Wataru Yashiro	82 (2010) 043822	2008B1596	BL20XU	矢代 航	Hard-x-ray Phase-imaging Microscopy Using the Self-imaging Phenomenon of a Transmission Grating
17846	Isao Suzuki	82 (2010) 045401	2009A1085	BL27SU	長岡 伸一	Projection of Excited Orbitals into Kinetic Energies of Emitted Electrons in Resonant Si <i>KLL</i> Auger Decays of SiF ₄

Physical Review Letters

17892	Aamir Ahmed	105 (2010) 207003	2010A1084	BL08W	Deb Aniruddha	Competing Ferromagnetism and Superconductivity on FeAs Layers in EuFe ₂ (As _{0.73} P _{0.27}) ₂
18032	Zoe Boekelheide	105 (2010) 236404	2009A4906	BL15XU	Fadley Charles	Band Gap and Electronic Structure of an Epitaxial, Semiconducting Cr _{0.80} Al _{0.20} Thin Film

Proceedings of SPIE-IS&T Electronic Imaging

17875	Keiji Umetani	6501 (2007) 650112	2004A0132	BL20B2	梅谷 啓二	Microscopic X-ray Imaging System for Biomedical Applications Using Synchrotron Radiation
			2004B0481	BL20B2	梅谷 啓二	
			2005A0107	BL20B2	梅谷 啓二	
			2006A1265	BL20B2	梅谷 啓二	
17877	Keiji Umetani	6816 (2008) 68160U	2004B0479	BL28B2	梅谷 啓二	In vivo Microscopic X-ray Imaging in Rat and Mouse Using Synchrotron Radiation
			2006B1093	BL28B2	梅谷 啓二	

Science

16915	Chimari Okada	326 (2009) 1275-1279	2007A6500	BL44XU	山下 栄樹	A High-Resolution Structure of the Pre-microRNA Nuclear Export Machinery
			2007B6500	BL44XU	山下 栄樹	
			2008A6500	BL44XU	山下 栄樹	
			2008B6500	BL44XU	山下 栄樹	
			2009A6500	BL44XU	山下 栄樹	
17667	Shigehiko Tateno	330 (2010) 359-361	2010A0087	BL10XU	廣瀬 敬	The Structure of Iron in Earth's Inner Core

材料 (Journal of the Society of Materials Science, Japan)

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
14894	Yoshiaki Akiniwa	54 (2005)	2003B0212	BL09XU	秋庭 義明	Propagation of Fatigue Crack and Measurement of Fiber Bridging Stress in SCS-6/Ti-15-3 Composite
		698-703	2003A0103	BL09XU	秋庭 義明	
17625	Takahisa Shobu	58 (2009) 588-595	2007B3701	BL22XU	葛蒲 敬久	Hybrid Measurement of CT and Strain Distribution of Fatigue Crack in Steel Bars Using High Energy Synchrotron Radiation Monochromatic X-Rays

電気学会論文誌C (IEEJ Transactions on Electronic, Information and Systems)

17568	Michihiro Hashinokuchi	130 (2010) 1723-1729	2009B3801	BL23SU	寺岡 有殿	The Study of Oxidation on TiAl Surface with Photoemission Spectroscopy in Conjunction with Synchrotron Radiation
17572	Mayumi Tode	130 (2010) 1819-1820	2009A3801	BL23SU	寺岡 有殿	Thermal Degradation Analysis of Deuterium Ion Implanted $V_{25}Cr_{40}Ti_{35}$ Using Synchrotron Radiation Photoelectron Spectroscopy

ACS Applied Materials & Interfaces

17797	Hiroki Uehara	2 (2010) 2707-2710	2008A1148	BL40B2	上原 宏樹	Stereo-Complex Crystallization of Poly(lactic acid)s in Block-Copolymer Phase Separation
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Applied Catalysis A: General

17577	Shun Nishimura	387 (2010) 185-194	2007B1123	BL01B1	宍戸 哲也	Novel Catalytic Behavior of Cu/Al ₂ O ₃ Catalyst against Daily Start-up and Shut-down (DSS)-like Operation in the Water Gas Shift Reaction
			2008A1147	BL01B1	宍戸 哲也	
			2008A1170	BL01B1	宍戸 哲也	

Biochemical and Biophysical Research Communications

17884	Kei Wada	402 (2010) 373-377	2009B1097	BL41XU	杉島 正一	One Residue Substitution in PcyA Leads to Unexpected Changes in Tetrapyrrole Substrate Binding
			2009B1219	BL38B1	和田 啓	
			2009B2095	BL38B1	杉島 正一	

Bulletin of the Chemical Society of Japan

17966	Kohsuke Mori	83 (2010) 1122-1126	2009B1127	BL01B1	森 浩亮	Synthesis, Characterization, and Catalytic Property of Hollow γ -Fe ₂ O ₃ Sphere toward Liquid-phase Oxidation Using Hydrogen Peroxide
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Chemistry of Materials

17795	Ikuya Yamada	22 (2010) 5328-5332	2006B1130	BL02B2	東 正樹	Synthesis, Structure, and Physical Properties of A-site Ordered Perovskites ACu ₃ Co ₄ O ₁₂ (A = Ca and Y)
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Clinical and Experimental Pharmacology and Physiology

17833	Satomi Kagota	37 (2010) 1035-1043	2008A1512	BL28B2	籠田 智美	Coronary Vascular Dysfunction Promoted by Oxidative-Nitrative Stress in SHRSP.Z-Lepr ^{fa} /IzmDmcr Rats with Metabolic Syndrome
			2008B1050	BL28B2	籠田 智美	

ECS Transactions

17960	Masaharu Oshima	33 (2010) 231-240	2009B7402	BL07LSU	組頭 広志	Synchrotron Radiation Photoelectron Spectroscopy of Metal Gate / HfSiO(N) / SiO(N) / Si Stack Structures
			2010A7402	BL07LSU	組頭 広志	

The EMBO Journal

17621	Kenji Inaba	29 (2010) 3330-3343	2010A6505	BL44XU	稲葉 謙次	Crystal Structures of Human Ero1 α Reveal the Mechanisms of Regulated and Targeted Oxidation of PDI
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Genes to Cells

18113	Shunsuke Kurosawa	14 (2009) 1-16	2007A1596	BL38B1	神山 勉	Functionally Important Structural Elements of the Cyanobacterial Clock-Related Protein Pex
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Geochimica et Cosmochimica Acta

17844	Yoshio Takahashi	74 (2010) 5443-5462	2000B0276	BL01B1	高橋 嘉夫	EXAFS Study on the Cause of Enrichment of Heavy REEs on Bacterial Cell Surfaces
			2008B1528	BL01B1	高橋 嘉夫	

Inorganic Chemistry

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
17004	Satoshi Abe	49 (2010) 6967-6973	2008A1124	BL38B1	上野 隆史	Mechanism of Accumulation and Incorporation of Organometallic Pd Complexes into the Protein Nanocage of apo-Ferritin
			2009B1059	BL41XU	上野 隆史	

Integrated Ferroelectrics

18011	Tomoaki Yamada	115 (2010) 57-62	2007B1555	BL02B1	山田 智明	Antiferrodistortive Structural Phase Transition in Compressively-strained Epitaxial SrTiO ₃ Film Grown on (La,Sr)(Al,Ta)O ₃ Substrate
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International Journal of Nanoscience

15625	Hiromi Tanaka	3 (2004) 419-424	2003B0670	BL15XU	岸田 悟	Surface Analysis of Bi ₂ Sr ₂ Ca _{n-1} Cu _n O _y Superconducting Whiskers using X-ray Photoelectron Spectroscopy
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International Journal of Pharmaceutics

17865	Hiroshi Watanabe	402 (2010) 146-152	2010A1653	BL40B2	小幡 誉子	Different Effects of <i>l</i> - and <i>d</i> -menthol on the Microstructure of Ceramide 5/cholesterol/palmitic Acid Bilayers
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Journal of American Ceramic Society

17548	Jun Kikuma	93 (2010) 2667-2674	2008A1905	BL19B2	松野 信也	<i>In Situ</i> Time-Resolved X-ray Diffraction of Tobermorite Formation Process under Autoclave Condition
			2008B1864	BL19B2	松野 信也	

Journal of Archaeological Science

18209	Suyako Mizuno	37 (2010) 2842-2845	2007B1544	BL20XU	杉山 淳司	Wood Identification of Wooden Mask Using a Synchrotron X-ray Microtomography
			2008B1563	BL20XU	杉山 淳司	

The Journal of Biological Chemistry

17757	Ryuichiro Suzuki	285 (2010) 34279-34287	2009A1308	BL38B1	伏信 進矢	Crystal Structures of Phosphoketolase: <i>Thiamine Diphosphate-Dependent Dehydration Mechanism</i>
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The Journal of Biochemistry

14958	Shin Kawano	140 (2006) 375-381	2003B0849	BL38B1	角田 佳充	Crystal Structures of the <i>Nicotiana glutinosa</i> Ribonuclease NT in Complex with Nucleoside Monophosphates
			2003B0850	BL40B2	角田 佳充	
			2003B0851	BL41XU	角田 佳充	
			理研	BL44B2		

Journal of Colloid and Interface Science

17687	Yasuaki Tokudome	352 (2010) 303-308	2007B1459	BL40B2	金森 主祥	In situ SAXS Observation on Metal-Salt-Derived Alumina Sol-Gel System
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Journal of Crystal Growth

18151	Naohisa Happo	311 (2009) 990-993	2005B0352	BL37XU	八方 直久	Atomic Image around Mn Atoms in Diluted Magnetic Semiconductor Cd _{0.6} Mn _{0.4} Te Obtained from X-ray Fluorescence Holography
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Journal of Earth Science

17777	Yoshio Kono	21 (2010) 782-791	2007B1648	BL04B1	河野 義生	Pressure and Temperature Dependences of Elastic Properties of Grossular Garnet up to 17 GPa and 1650 K
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Journal of Electron Spectroscopy and Related Phenomena

16820	Eiji Ikenaga	144-147 (2005) 491-494	R04A0018	BL47XU	池永 英司	Interface Reaction of Poly-Si/High- <i>k</i> Insulator Systems Studied by Hard X-ray Photoemission Spectroscopy
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Journal of Instrumentation

18037	Muhammad Islam	5 (2010) P09008	2008A0002	BL20B2	Lewis Rob	A High Precision Recipe for Correcting Images Distorted by a Tapered Fiber Optic
			2009A1882	BL20B2	Kitchen Marcus	

Journal of Medicinal 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
17437	Makoto Ishikawa	53 (2010) 6445-6456	2006A5542	BL32B2	山田 雅胤	Investigation of the Histamine H3 Receptor Binding Site. Design and Synthesis of Hybrid Agonists with a Lipophilic Side Chain

Journal of Metastable and Nanocrystalline Materials

14811	Isao Murase	24-25 (2005) 213-216	2003B0259	BL40B2	奥田 浩司	Microstructure of a Metallic Glass Joint Welded by Electron Beam Examined by Anomalous Small-Angle Scattering at Zr K Edge
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Journal of Molecular Liquids

17605	Viktoria Mile	157 (2010) 36-42	2004A0598	BL04B2	Pusztai Laszlo	On the Structure of Aqueous Cesium Bromide Solutions: Diffraction Experiments, Molecular Dynamics Simulations and Reverse Monte Carlo Modeling
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Journal of Optics

18092	Saulius Juodkazis	12 (2010) 124007	2008A1965	BL04B2	小原 真司	Structural Changes in Femtosecond Laser Modified Regions inside Fused Silica
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Journal of Photoscience

18125	Nobuo Enami	9 (2002) 320-322	1999A0257	BL41XU	神山 勉	X-ray Crystallographic Study of Archæorhodopsin
			1999B0237	BL41XU	神山 勉	

The Journal of Physical Chemistry B

17596	Bachir Aoun	114 (2010) 12623-12628	2004B0200	BL04B2	Goldbach Andreas	Structure of a Prototypic Ionic Liquid: Ethyl-methylimidazolium Bromide
			2005A0249	BL04B2	Goldbach Andreas	
			2009B1094	BL04B2	Saboungi Marie-Louise	

Journal of Structural Biology

17864	Yu Ogawa	171 (2010) 111-116	2009A1360	BL38B1	和田 昌久	Crystal Analysis and High-Resolution Imaging of Microfibrillar α -chitin from <i>Phaeocystis</i>
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Journal of the Electrochemical Society

17595	Zhenwei Wang	157 (2010) 1783-1789	2009A1797	BL19B2	伊藤 孝憲	Thermal Expansion Properties of $\text{Sr}_{1-x}\text{La}_x\text{TiO}_3$ ($0 \leq x \leq 0.3$) Perovskites in Oxidizing and Reducing Atmospheres
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Journal of the European Ceramic Society

18012	Tomoaki Yamada	30 (2010) 3259-3262	2008A1590	BL13XU	Wang Jin	Synchrotron X-ray Diffraction Study on a Single Nanowire of PX-Phase Lead Titanate
			2009A1027	BL13XU	山田 智明	

Langmuir

18192	Masafumi Harada	26 (2010) 17896-17905	2009A1330	BL45XU	原田 雅史	Mechanism of Silver Particle Formation during Photoreduction Using In Situ Time-Resolved SAXS Analysis
			2009B1174	BL45XU	原田 雅史	

Materials Transactions

17820	Shigeru Suzuki	49 (2008) 2755-2760	2007A1898	BL19B2	鈴木 茂	Characteristic Structural Changes in Stress-Induced Martensitic Transformation and Reverse Transformation of a Polycrystalline Fe-Mn-Si Alloy
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Microporous and Mesoporous Materials

17547	Toru Wakihara	136 (2010) 92-96	2008A1510	BL04B2	Sankar Gopinathan	Changes in the Medium-Range Order of Zeolite A by Mechanical and Thermal Amorphization
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Nature

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
18115	Midori Murakami	453 (2008) 363-367	2005B0690	BL38B1	神山 勉	Crystal Structure of Squid Rhodopsin
			2006B1442	BL38B1	神山 勉	
			2005A0850	BL41XU	神山 勉	
			2005B1813	BL41XU	神山 勉	
			2006A1564	BL41XU	神山 勉	
			2007A1186	BL41XU	神山 勉	
			2007B1184	BL41XU	神山 勉	

Nature Structure and Molecular Biology

17869	Tatsuo Yanagisawa	17 (2010) 1136-1143	2005B0083	BL41XU	伊藤 拓宏	A Paralog of Lysyl-tRNA Synthetase Aminoacylates a Conserved Lysine Residue in Translation Elongation Factor P
			2005B0529	BL41XU	関根 俊一	
			2006A1362	BL41XU	関根 俊一	
			2006A1494	BL41XU	仙石 徹	
			2006B1165	BL41XU	関根 俊一	
			2006B1766	BL41XU	関根 俊一	

Optics Communications

18085	Yakov Nesterets	259 (2006) 19-31	2005A0065	BL20B2	Pavlov Konstantin	Combined Analyser-Based and Propagation-Based Phase-Contrast Imaging of Weak Objects
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Optics Express

18139	Kaye Morgan	18 (2010) 9865-9878	2007B1329	BL20XU	Parsons David	The Projection Approximation and Edge Contrast for X-ray Propagation-Based Phase Contrast Imaging of a Cylindrical Edge
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Physica C

18042	Kenji Ishii	470 (2010) S155-S157	2006B4257	BL12XU	石井 賢司	Resonant Inelastic X-ray Scattering of $\text{La}_2\text{Cu}_{0.95}\text{Ni}_{0.05}\text{O}_4$
			2007A4262	BL12XU	石井 賢司	

Physica Status Solidi C

17766	Hayato Kamioka	6 (2009) 116-119	2008A1038	BL02B2	守友 浩	Charge Transfer Processes in Cyano-Bridged Transition Metals
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Physical Review E

17941	Dong Ki Yoon	82 (2010) 041705	2006B1768	BL13XU	木村 滋	Liquid-Crystal Periodic Zigzags from Geometrical and Surface-Anchoring-Induced Confinement: Origin and Internal Structure from Mesoscopic Scale to Molecular Level
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Polymer

17775	Tsukasa Miyazaki	51 (2010) 5539-5549	2009A1280	BL40B2	宮崎 司	Role of Boric Acid for a Poly (Vinyl Alcohol) Film as a Cross-Linking Agent: Melting Behaviors of the Films with Boric Acid
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Polymer Journal

17858	Atsushi Takahara	42 (2010) 860-867	2009A1011	BL40B2	高原 淳	Arm-Replaceable Star-like Nanogels: Arm Detachment and Arm Exchange Reactions by Dynamic Covalent Exchanges of Alkoxyamine Units
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Proceedings of the 29th Annual International Conference of the IEEE Engineering in Medicine and Biology Society

17876	Keiji Umetani	(2007) 3926-3929	2004A0129	BL28B2	梅谷 啓二	In Vivo Cerebral Artery Microangiography in Rat and Mouse Using Synchrotron Radiation Imaging System
			2004B0478	BL28B2	梅谷 啓二	

Proceedings of the 30th Annual International Conference of the IEEE Engineering in Medicine and Biology Society

17878	Keiji Umetani	(2008) 2693-2696	2005A010	BL28B2	梅谷 啓二	Microangiography System for Investigation of Metabolic Syndrome in Rat Model Using Synchrotron Radiation
			2005B0345	BL28B2	梅谷 啓二	
			2008A1490	BL28B2	梅谷 啓二	

Proceedings of the 3rd European Medical & Biological Engineering Conference

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
17874	Keiji Umetani	11 (2005) 263-268	2003A0527	BL20B2	今井 茂樹	High-Resolution, Real-Time X-ray Imaging System Using Synchrotron Radiation for Animal Studies
			2003B0186	BL20B2	今井 茂樹	
			2004B0480	BL20B2	梅谷 啓二	

Review of Scientific Instruments

16809	Kotaro Higashi	81 (2010) 043903	2008B1924	BL37XU	青柳 利隆	Epitaxial Lift-Off for Sample Preparation of X-ray Absorption Fine Structure
			2008A1839	BL14B2	青柳 利隆	

Scripta Materialia

14813	Hiroshi Okuda	55 (2006) 691-694	2005B0149	BL46XU	奥田 浩司	In-situ Synchrotron-Radiation Measurements of Axial Strain in Laminated Bi2223 Superconducting Composite Tapes at Room Temperature
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Semiconductor Science and Technology

17847	Kei Takashina	25 (2010) 125001	2008B3102	BL24XU	尾身 博雄	Separately Contacted Monocrystalline Silicon Double-Layer Structure with an Amorphous Silicon Dioxide Barrier Made by Wafer Bonding
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Small

17951	Norihiko Yokoi	6 (2010) 1873-1879	2008B1301	BL38B1	上野 隆史	Construction of Robust Bio-nanotubes using the Controlled Self-Assembly of Component Proteins of Bacteriophage T4
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Surface and Interface Analysis

17853	Kozo Shinoda	42 (2010) 1650-1654	2007B1454	BL37XU	篠田 弘造	Nondestructive Depth-Resolved Chemical State Analysis of (La,Sr)MnO ₃ Film under High Temperature
			2008B1262	BL37XU	篠田 弘造	

Transactions of the Materials Research Society of Japan

14816	Hiroshi Okuda	32 (2007) 275-280	2006B1330	BL40B2	奥田 浩司	Grazing-incidence Small-angle Scattering as a Tool for Thin Film Microstructure and Interface Analysis
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映像情報メディア学会誌 (The Journal of the Institute of Image Information and Television Engineers)

17873	Keiji Umetani	59 (2005) 1673-1676	2002B0186	BL20B2	梅谷 啓二	Observation of Tumor Specimen Using High Resolution Synchrotron Radiation Micro-CT System
			2004B0692	BL20B2	今井 茂樹	
			2005A0106	BL20B2	梅谷 啓二	

X線分析の進歩 (Advances in X-ray Chemical Analysis, Japan)

18079	Yohko Yano	40 (2009) 299-305	2005A0722	BL15XU	矢野 陽子	Size Distribution of Liquid Droplets in Mist Investigated by Small-Angle X-Ray Scattering
			2005B0579	BL15XU	矢野 陽子	
			2006A1610	BL15XU	矢野 陽子	
			2007A1982	BL40B2	矢野 陽子	
			2007B1722	BL40B2	矢野 陽子	
			2008A1655	BL40B2	矢野 陽子	

日本結晶学会誌 (Journal of the Crystallographic Society of Japan)

18086	Taro Tamada	52 (2010) 133-138	2005B0982	BL41XU	木下 誉富	Elucidation of Advanced Function of Elastase by Combined High-Resolution Neutron and X-ray Analysis
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放射線化学 (Radiation Chemistry)

17590	Kentaro Fujii	(2010) 17-22	2007A3823	BL23SU	藤井 健太郎	Selective Damage Induction of DNA Induced by Monochromatic Soft X-rays
			2007B3813	BL23SU	藤井 健太郎	
			2008A3813	BL23SU	藤井 健太郎	
			2008B3813	BL23SU	藤井 健太郎	
			2009A3813	BL23SU	藤井 健太郎	
			2010A3813	BL23SU	藤井 健太郎	

博士論文 (神戸大学)

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
18001	Yudai Izumi	(2009)	2006A1474	BL25SU	中川 和道	Study for Origins of Homochirality and Life: Investigation for the Cosmic Scenario Using Vacuum Ultraviolet Light and Synchrotron Radiation
			2007B1498	BL25SU	中川 和道	
			2008A1307	BL25SU	中川 和道	
			2009A1491	BL25SU	中川 和道	

課題以外の成果として登録された論文

Journal of Molecular Biology

研究成果番号	主著者	雑誌情報		ビームライン	タイトル
18252	David	397 (2010)	理研	BL45XU	Polymeric Structures and Dynamic Properties of the Bacterial Actin AlfA
	Popp	1031-1041			

Journal of Physics B

15164	Koichiro Yamaguchi	32 (1999) 1393-1408	理論	BL01B1	The Regularization of Basic X-ray Absorption Spectrum Fine Structure Equation via Wavelet-Galerkin Method
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Journal of Synchrotron Radiation

17683	Andrzej Andrejczuk	17 (2010) 616-623	装置 & 技術	BL08W	The Role of Single Element Errors in Planar Parabolic Compound Refractive Lenses
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New Journal of Physics

17798	Akira Sekiyama	12 (2010) 043045	理研	BL19LXU	The Prominent 5d-orbital Contribution to the Conduction Electrons in Gold
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Nuclear Instruments and Methods in Physics Research Section A

18225	Toru Hara	624 (2010) 65-72	XFEL		Transverse Envelope Analysis for Accelerating Relativistic Electron Beams in a Linear Accelerator as a Photon Source
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Physica C

18041	Masahiro Yoshida	470 (2010) S415-S416	原研	BL11XU	Temperature Dependence of the Electronic Structure of $\text{Sr}_{14}\text{Cu}_{24}\text{O}_{41}$ Studied by Resonant Inelastic X-ray Scattering
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Physica Scripta

17644	Tsuyoshi Yaita	T115 (2005) 302-305	原研	BL11XU	XAFS and Spectroscopic Characterization for the Structure and Electronic Structure of Ce-DMDPhPDA Complexes in Methanol
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Physical Review B

18021	Yukio Takahashi	82 (2010) 214102	理研	BL29XU	High-Resolution Projection Image Reconstruction of Thick Objects by Hard X-ray Diffraction Microscopy
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電気学会論文誌 C (IEEJ Transactions on Electronic, Information and Systems)

17573	Keisuke Inoue	130 (2010) 1817-1818	原研	BL23SU	Experimental Determination of Effective Attenuation Length for SiO_2 Thin Film with Synchrotron Radiation Photoemission Spectroscopy
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精密工学会誌 (Journal of the Japan Society for Precision Engineering)

15421	Kazuto Yamauchi	69 (2003) 997-1001	理研	BL29XU	Wave-Optical Evaluation of Reflected X-ray Intensity and Wavefront Distribution in Total Reflection Hard X-ray by Mirror Optic
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