

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7月～9月にその別刷もしくはコピー等を受理したもの（登録時期は問いません）を以下に紹介します。論文の情報（著者、巻、発行年、ページ、タイトル）に加え、データベースの登録番号（研究成果番号）を掲載していますので、詳細は上記検索ページの検索結果画面でご覧いただくことができます。また実施された課題の情報（課題番号、ビームライン、実験責任者名）も掲載しています。課題番号は最初の4文字が「year」、次の1文字が「term」、後ろの4文字が「proposal no.」となっていますので、この情報から以下のURLで公表している、各課題の英文利用報告書（SPring-8 User Experiment Report）を探してご覧いただくことができます。

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7月～9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 Letters	15	Journal of Applied Physics	4
Acta Crystallography Section F	7	Journal of Electron Spectroscopy and Pelated Phenomena	4
Journal of the Physical Society of Japan	7	Journal of Molecular Biology	4
Proteins: Structure, Function, and Bioinformatics	6	Journal of Physics : Condensed Matter	4
Macromolecules	5	Journal of the American Chemical Society	4
Applied Physics Express	4	Langmuir	4
Applied Physics Letters	4	Review of Scientific Instruments	4
Japanese Journal of Applied Physics	4		

他全72誌、計 158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	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
17116	Kou Takubo	82 (2010) 020401(R)	2007B1158	BL02B2	勝藤 拓郎	Crossover Behavior of the Crystal Structure and the Relation to Magnetism in Perovskite RTiO_3
17187	Takashi Saito	82 (2010) 024426	2008A1001	BL25SU	島川 祐一	Magnetic Coupling between A and B Sites in the A-site-ordered Perovskite $\text{BiCu}_3\text{Mn}_4\text{O}_{12}$
17201	Yoichi Kamihara	77 (2008) 214515	2006B3822	BL23SU	柳 博	Electromagnetic Properties and Electronic Structure of the Iron-Based Layered Superconductor LaFePO
17227	Masayoshi Fujihala	82 (2010) 024425	2009A1500	BL02B2	鄭 旭光	Antiferromagnetic Magnetic Transition and Spin Fluctuations in the Deformed Pyrochlore Compound $\beta\text{-Fe}_2(\text{OH})_3\text{Cl}$
17401	Jesus Chaboy	82 (2010) 064411	2008B1773	BL39XU	Chaboy Jesus	Evidence of Intrinsic Magnetism in Capped ZnO Nanoparticles
			2009B0024	BL39XU	Chaboy Jesus	
17438	Roberto Boada	82 (2010) 052407	2008B1753	BL39XU	Boada Roberto	Decoupling of the Magnetic Sublattices at the Compensation Point in R-Fe Compounds
17448	Nozomu Hamaya	82 (2010) 094506	2003B0413	BL04B2	浜谷 望	Pressure-Induced Phase Transition, Metallization and Superconductivity in Boron Triiodide
			2004A0124	BL04B2	浜谷 望	
17460	Miho Ikeda	82 (2010) 104415	2009A1068	BL02B2	勝藤 拓郎	Phase Transitions and the Role of Vanadium t_{2g} States in $\text{AV}_{13}\text{O}_{18}$ (A=Sr, Ba)
17464	Y. F. Guo	82 (2010) 054506	2009A4800	BL15XU	小林 啓介	Large Decrease in the Critical Temperature of superconducting $\text{LaFeAsO}_{0.85}$ Compounds Doped with 3% Atomic Weight of Nonmagnetic Zn Impurities
			2009B4505	BL15XU	Belik Alexei	
			2009B4810	BL15XU	小林 啓介	
17523	Anita Zeidler	82 (2010) 104208	2007A1182	BL04B2	小原 真司	Structure of Liquid and Glassy ZnCl_2
			2008A1250	BL04B2	臼杵 毅	

Acta Crystallographica Section F

16249	Minze Jia	62 (2006) 47-48	2005A0820	BL41XU	田之倉 優	Crystallization and Preliminary X-ray Analysis of PH1566, a Putative Ribosomal RNA-processing Factor from the Hyperthermophilic Archaeon <i>Pyrococcus horikoshii</i> OT3
16252	Fabiana Lica Imai	62 (2006) 1144-1146	2006A2721	BL41XU	田之倉 優	Crystallization and Preliminary X-ray Analysis of Human S100A13
			2006A2728	BL41XU	永田 宏次	
16253	Hua Ming	63 (2007) 327-329	2005B0627	BL38B1	永田 宏次	Cloning, Expression, Purification, Crystallization and Preliminary Crystallographic Analysis of Selenomethionine-labelled KaiC-like Protein PH0186 from <i>Pyrococcus horikoshii</i> OT3
16254	Michio Shirokane	63 (2007) 532-534	2005A0820	BL41XU	田之倉 優	Crystallization and Preliminary X-ray Analysis of PH1010 from <i>Pyrococcus horikoshii</i> OT3, a Member of the Archaeal DUF54 Family of Proteins
16261	Fabiana Lica Imai	64 (2008) 70-76	2006A2721	BL41XU	田之倉 優	Structure of Calcium-Bound Human S100A13 at pH 7.5 at 1.8 Å Resolution
			2006A2728	BL41XU	永田 宏次	
16266	Keiko Kubota	65 (2009) 562-564	2006A1721	BL38B1	田之倉 優	Purification, Crystallization and Preliminary X-ray Analysis of L-sorbose Reductase from <i>Gluconobacter fratsorbose</i> complexed with L-sorbose or NADPH
17466	Sachiko Takahashi	66 (2010) 846-850	2008B2019	BL41XU	有竹 浩介	High-Quality Crystals of Human Haematopoietic Prostaglandin D Synthase with Novel Inhibitors

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
16371	Yoshimitsu Fukuyama	3 (2010) 016601	2008A1856	BL40XU	木村 滋	Simultaneous Measurements of Picosecond Lattice and Charge Dynamics in Co-Fe Cyanides
			2008B1996	BL40XU	木村 滋	
			2009A1891	BL40XU	木村 滋	
17212	Naoki Awaji	3 (2010) 085201	2008A1513	BL25SU	中村 哲也	Large Area Imaging by Fourier Transform Holography Using Soft and Hard X-ray
			2009A1840	BL25SU	野村 健二	
			2009B1844	BL25SU	淡路 直樹	
			2009B5110	BL16XU	淡路 直樹	
17332	Syo-ta Miyamoto	1 (2008) 081901	2006A3810	BL23SU	木村 昭夫	In-gap Electronic States Responsible for the Excellent Thermoelectric Properties of Ni-based Half-Heusler Alloys
			2006A1310	BL29XU	木村 昭夫	
17508	Hidekazu Takano	3 (2010) 076702	2009A3203	BL24XU	高野 秀和	Sub-15 nm Hard X-Ray Focusing with a New Total- Reflection Zone Plate

Applied Physics Letters

17155	Kiyonobu Nagaya	96 (2010) 233101	2006B1302	BL37XU	八尾 誠	Contactless Measurements of Charge Migration within Single Molecules
			2008A1436	BL37XU	八尾 誠	
17254	Kazuhiro Ueda	97 (2010) 022510	2007B5090	BL16XU	上田 和浩	Magnetic Microstructures of Neodymium in Nd ₂ Fe ₁₄ B Permanent Magnet by Hard X-ray Magnetic-Circular Dichroism Using Focused X-ray Beam
			2008A5100	BL16XU	上田 和浩	
17337	Masakiyo Tsunoda	97 (2010) 072501	2007A1976	BL25SU	角田 匡清	Linear Correlation between Uncompensated Antiferromagnetic Spins and Exchange Bias in Mn-Ir/Co _{100-x} Fe _x Bilayers
17479	Naoki Banno	97 (2010) 113507	2009A5391	BL16B2	今井 英人	Structural Characterization of Amorphous Ta ₂ O ₅ and SiO ₂ -Ta ₂ O ₅ Used as Solid Electrolyte for Nonvolatile Switches
			2009B1826	BL14B2	今井 英人	

Japanese Journal of Applied Physics

16417	Tsukasa Nakai	47 (2008) 5770-5776	2007A1908	BL47XU	中居 司	Local Structure Analysis and Interface Layer Effect of Phase-Change Recording Material Using Actual Media
			2007A5360	BL16B2	吉木 昌彦	
			2006B1599	BL47XU	中居 司	
			2006A1641	BL47XU	中居 司	
			2005B0232	BL47XU	吉木 昌彦	
17128	Akira Uedono	49 (2010) 051301	2007A2003	BL27SU	佐々木 雄一朗	Vacancy-Boron Complexes in Plasma Immersion Ion- Implanted Si Probed by a Monoenergetic Positron Beam
17450	Kunio Ichino	49 (2010) 082602	2006A0160	BL19B2	伊東 純一	Optical Properties and X-ray Absorption Fine Structure Analysis of ZnS:Cu,Cl Thin-Film Phosphors
17485	Naoki Kakuda	49 (2010) 095602	2009A3571	BL11XU	山口 浩一	Time-Resolved X-ray Diffraction Measurements of High-Density InAs Quantum Dots on Sb/GaAs Layers and the Suppression of Coalescence by Sb-Irradiated Growth Interruption
			2008B3572	BL11XU	山口 浩一	
			2008A3572	BL11XU	山口 浩一	

Journal of Applied Physics

17194	Masahiko Shimoda	108 (2010) 024309	2007B4600	BL15XU	下田 正彦	Hard X-ray Photoemission Spectroscopic Investigation of Palladium Catalysts Immobilized on a GaAs(001) Surface
			2008A4605	BL15XU	下田 正彦	
			2009B4603	BL15XU	下田 正彦	
17242	Daiju Matsumura	107 (2010) 124319	2006A3605	BL14B1	岡島 由佳	Dynamic Structural Change in Pd-perovskite Automotive Catalyst Studied by Time-resolved Dispersive X-ray Absorption Fine Structure
			2006B3616	BL14B1	松村 大樹	
			2007A3619	BL14B1	松村 大樹	
			2007B3602	BL14B1	松村 大樹	
17351	Babulal Ahuja	108 (2010) 043902	2003A0055	BL08W	Sharma Balkrishna	Spin Dependent Compton Scattering Study of Magnetic Transitions in Ir Doped CeFe ₂
17480	Hiroyuki Saitoh	108 (2010) 063516	2009B3603	BL14B1	齋藤 寛之	Hydrogen Permeation Pathways for the Hydrogenation Reaction of Aluminum
			2009A3602	BL14B1	齋藤 寛之	

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
17188	Wei-Ting Kuo	381 (2008) 189-199	2007A4013	BL12B2	Chou Shan-Ho	Crystal Structure of the C-Terminal Domain of a Flagellar Hook-Capping Protein from <i>Xanthomonas campestris</i>
			2007A4005	BL12B2	Chou Shan-Ho	
17189	Cammy Chen	390 (2009) 672-685	2008A4010	BL12B2	Wang Andrew	Structure of the Alkalohyperthermophilic <i>Archaeoglobus fulgidus</i> Lipase Contains a Unique C-Terminal Domain Essential for Long-Chain Substrate Binding
17192	Chun-Yuan Chen	368 (2007) 1075-1088	2005B4131	BL12B2	Hsiao Chwan-Deng	Structure of the SARS Coronavirus Nucleocapsid Protein RNA-binding Dimerization Domain Suggests a Mechanism for Helical Packing of Viral RNA
17545	Masakazu Sugishima	402 (2010) 879-891	2009A1204	BL38B1	杉島 正一	Crystal Structures of the Substrate-Bound Forms of Red Chlorophyll Catabolite Reductase: Implications for Site-Specific and Stereospecific Reaction
			2009B1097	BL41XU	杉島 正一	

Journal of Physics : Condensed Matter

11324	Vadim Brazhkin	19 (2007) 246104	2004B0323	BL14B1	Brazhkin Vadim	Molecular-network-ionic Structure Transitions in Liquid AlCl_3 and ZnCl_2 Halogenides under Pressure
15286	Marat Tuktabiev	21 (2009) 385401	2005B0040	BL14B1	Brazhkin Vadim	Compressibility and Polymorphism of α - As_4S_4 Realgar under High Pressure
17449	Hidenobu Murata	22 (2010) 384213	2008B1166	BL01B1	中平 敦	First-Principles Calculations of Zn-K XANES in Ca-deficient Hydroxyapatite
			2009A1533	BL01B1	田中 功	
			2009B1536	BL01B1	田中 功	
17486	Koji Ohara	22 (2010) 404203	2007B1676	BL04B2	尾原 幸治	Structural Disorder in Lithium Lanthanum Titanate: the Basis of Superionic Conduction

Journal of the American Chemical Society

16989	Mohammed-Akhtarul Alam	131 (2009) 17722-17723	2008B1777	BL02B2	山本 洋平	"Bicontinuous Cubic" Liquid Crystalline Materials from Discotic Molecules: A Special Effect of Paraffinic Side Chains with Ionic Liquid Pendants
			2009A1699	BL02B2	山本 洋平	
			理研	BL44B2		
17142	Naoyuki Hoshiya	132 (2010) 7270-7272	2008A4605	BL15XU	下田 正彦	Sulfur Modification of Au via Treatment with Piranha Solution Provides Low-Pd Releasing and Recyclable Pd Material, SAPd
			2009B4603	BL15XU	下田 正彦	
17383	Atsushi Okazawa	132 (2010) 11516-11524	2007A1935	BL02B1	橋爪 大輔	Ferro- and Antiferromagnetic Coupling Switch Accompanied by Twist Deformation around the Copper(II) and Nitroxide Coordination Bond
17429	Alexei Belik	132 (2010) 12426-12432	2009A1136	BL02B2	Belik Alexei	Effects of Oxygen Content on $\text{Bi}_3\text{Mn}_3\text{O}_{11+\delta}$: From 45 K Antiferromagnetism to Room-Temperature True Ferromagnetism
			2010A1215	BL02B2	Belik Alexei	

Langmuir

14090	Shin-ichi Yusa	25 (2009) 5258-5265	2007A1591	BL40B2	遊佐 真一	Preparation and Characterization of a pH-Responsive Nanogel Based on a Photo-Cross-Linked Micelle Formed From Block Copolymers with Controlled Structure
17132	Isamu Akiba	26 (2010) 7544-7551	2009A1883	BL40B2	秋葉 勇	Encapsulation of a Hydrophobic Drug into a Polymer-Micelle Core Explored with Synchrotron SAXS
			2009A1782	BL40B2	秋葉 勇	
			2008B1781	BL40B2	秋葉 勇	
			2008B0012	BL40B2	櫻井 和朗	
			2009A0012	BL40B2	櫻井 和朗	
			2008A0012	BL40B2	櫻井 和朗	
17255	Vladimir Matolin	26 (2010) 12824-12831	2009A4602	BL15XU	森 利之	Platinum-Doped CeO_2 Thin Film Catalysts Prepared by Magnetron Sputtering
17472	Govindachetty Saravanan	26 (2010) 11446-11451	2009B4608	BL15XU	阿部 英樹	Pt_3Ti Nanoparticles: Fine Dispersion on SiO_2 Supports, Enhanced Catalytic CO Oxidation, and Chemical Stability at Elevated Temperatures

Proteins : Structure, Function, and Bioinformatics

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
16255	Hua Ming	69 (2007) 204-208	2003B0827	BL41XU	田之倉 優	Crystal Structure of Thioredoxin Domain of ST2123 from Thermophilic Archaea <i>Sulfolobus tokodaii</i> Strain7
16263	Kenichi Miyazono	74 (2009) 256-260	2005A0820	BL41XU	田之倉 優	Crystal Structure of the DUF54 Family Protein PH1010 from Hyperthermophilic Archaea <i>Pyrococcus horikoshii</i> OT3
16264	Jun Ohtsuka	75 (2009) 774-780	2005A0820	BL41XU	田之倉 優	Crystal Structure of TTHA1264, a Putative M16-family Zinc Peptidase from <i>Thermus thermophilus</i> HB8 That is Homologous to the β Subunit of Mitochondrial Processing Peptidase
16265	Hijin Kang	75 (2009) 1035-1039	2005B0627	BL38B1	永田 宏次	Crystal Structure of KaiC-like Protein PH0186 from Hyperthermophilic Archaea <i>Pyrococcus horikoshii</i> OT3

Review of Scientific Instruments

16277	Tetsu Watanuki	72 (2001) 1289-1292	1999B0218	BL10XU	綿貫 徹	Construction of Laser-Heated Diamond Anvil Cell System for <i>in-situ</i> X-ray Diffraction Study at SPring-8
16278	Takehiko Yagi	72 (2001) 1293-1297	1999B0218	BL10XU	綿貫 徹	Laser Heated Diamond Anvil Apparatuses at the Photon Factory and SPring-8: Problems and Improvements
17203	Takashi Imazono	76 (2005) 126106	2004B0748	BL27SU	木村 洋昭	Polarizance of a Synthetic Mica Crystal Polarizer and the Degree of Linear Polarization of an Undulator Beamline at 880 eV Evaluated by the Rotating-Analyzer Method
17507	Hidekazu Takano	81 (2010) 073702	2009A3203	BL24XU	高野 秀和	A Simple Hard X-ray "Nanoslit" for Measuring Wavefront Intensity

American Mineralogist

17078	Kéiko H. Hattori	95 (2010) 622-630	2008B1436	BL37XU	高橋 嘉夫	Mineralogy and Origin of Oxygen-Bearing Platinum-Iron Grains Based on an X-ray Absorption Spectroscopy Study
			2009A1170	BL01B1	高橋 嘉夫	
			2005B0181	BL37XU	高橋 嘉夫	
			2004B0169	BL37XU	高橋 嘉夫	
17250	Masami Kanzaki	95 (2010) 1349-1352	2008A1093	BL04B1	神崎 正美	Crystal Structure of a New High-Pressure Polymorph of Topaz-OH
17251	Xianyu Xue	95 (2010) 1276-1293	2008A1093	BL04B1	神崎 正美	Unique Crystal Chemistry of Two Polymorphs of Topaz-OH: A Multi-Nuclear NMR and Raman Study

Inorganic Chemistry

17181	Atsushi Nakahira	49 (2010) 5845-5852	2006A1286	BL01B1	中平 敦	Formation Mechanism of TiO ₂ -Derived Titanate Nanotubes Prepared by the Hydrothermal Process
			2004B0166	BL01B1	中平 敦	
17233	Ikuya Yamada	49 (2010) 6778-6780	2008B1616	BL02B2	山田 幾也	CaCu ₃ Pt ₄ O ₁₂ : The First Perovskite with the B Site Fully Occupied by Pt ⁴⁺
			2009B1298	BL04B1	山田 幾也	
			2009B1322	BL02B2	山田 幾也	
			2009A1345	BL10XU	山田 幾也	
17262	Manabu Hoshino	49 (2010) 7257-7265	2008A1724	BL02B1	星野 学	Polymorphic Crystal Approach to Changing the Emission of [AuCl(PPH ₃) ₂], Analyzed by Direct Observation of the Photoexcited Structures by X-ray Photocrystallography

Journal of Electron Spectroscopy and Related Phenomena

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
17414	Fumihiko Matui	178-179 (2010) 221-240	2009A1408	BL25SU	松井 文彦	Stereo Atomscope and Diffraction Spectroscopy -- Atomic Site Specific Property Analysis
			2008B1514	BL25SU	松井 文彦	
			2008A1519	BL25SU	松井 文彦	
			2006B1572	BL25SU	松井 文彦	
			2006B1453	BL25SU	松井 文彦	
			2006A1688	BL25SU	松井 文彦	
			2005B0726	BL25SU	松井 文彦	
			2009A1753	BL25SU	大門 寛	
			2008B1572	BL25SU	大門 寛	
			2008A1424	BL25SU	大門 寛	
			2007A2049	BL25SU	大門 寛	
2006A1495	BL25SU	大門 寛				
17416	Fumihiko Matui	181 (2010) 150-153	2005B0726	BL25SU	松井 文彦	Atomic-Layer-Resolved Analysis of Surface Magnetism by Diffraction Spectroscopy
			2006A1688	BL25SU	松井 文彦	
			2006B1453	BL25SU	松井 文彦	
17446	Tomohiro Matsushita	178-179 (2010) 195-220	2006B1019	BL25SU	松下 智裕	Photoelectron Holography with Improved Image Reconstruction
			2007A1278	BL25SU	松下 智裕	
			2005A0445	BL25SU	松下 智裕	
			2004A0145	BL23SU	松下 智裕	
2003B0088	BL23SU	松下 智裕				

Journal of Synchrotron Radiation

16705	Yusuke Hamabe	17 (2010) 530-539	2009B1835	BL14B2	小泉 直人	Quasi <i>in-situ</i> Ni K-edge EXAFS Investigation of the Spent NiMo Catalyst from Ultra Deep Hydrodesulfurization of Gas Oil in a Commercial Plant
17271	Takaya Mitsui	16 (2009) 723-729	2008A3501	BL11XU	三井 隆也	Development of an Energy-Domain ⁵⁷ Fe-Mössbauer Spectrometer using Synchrotron Radiation and Its Application to Ultrahigh-Pressure Study with a Diamond Anvil Cell
			2008B3501	BL11XU	三井 隆也	
17400	Roberto Boada	17 (2010) 308-313	2008A1051	BL39XU	Chaboy Jesus	X-ray Magnetic Circular Dichroism Measurements using an X-ray Phase Retarder on the BM25 A-SpLine Beamline at the ESRF
			2008B1753	BL39XU	Boada Roberto	

Journal of the Physical Society of Japan

16267	Hisashi Kotegawa	75 (2006) 044713	2004B0573	BL10XU	赤澤 輝彦	Pressure-Induced Superconductivity Emerging from Antiferromagnetic Phase in CeNiGe ₃
16268	Tatsuo C. Kobayashi	76 (2007) 051007	2004B0573	BL10XU	赤澤 輝彦	Pressure-Temperature Phase Diagram and Superconductivity in UIr
17463	Ryuichirou Yamagishi	79 (2010) 094710	2006A1648	BL39XU	細糸 信好	Vector Magnetization Processes of Individual Magnetic Layers in TM/Ru/TM (TM = Co or Fe) Trilayers with Antiferromagnetic Interlayer Exchange Coupling by Resonant X-ray Magnetic Reflectivity

Macromolecules

17109	Maiko Tsuda	43 (2010) 5779-5784	2008A1313	BL40B2	寺尾 憲	Solution Properties of Amylose Tris(3,5-dimethylphenylcarbamate) and Amylose Tris(phenylcarbamate): Side Group and Solvent Dependent Chain Stiffness in Methyl Acetate, 2-Butanone, and 4-Methyl-2-pentanone
			2009A1049	BL40B2	寺尾 憲	
17166	Yoshifumi Amamoto	43 (2010) 1785-1791	2007B1776	BL40B2	高原 淳	Intelligent Build-Up of Complementarily Reactive Diblock Copolymers via Dynamic Covalent Exchange toward Symmetrical and Miktoarm Star-like Nanogels
			2008B1734	BL40B2	天本 義史	
17168	Koji Honda	43 (2010) 454-460	2008B1498	BL13XU	高原 淳	Effect of Surface Molecular Aggregation State and Surface Molecular Motion on Wetting Behavior of Water on Poly(fluoroalkyl methacrylate) Thin Films

Materials Research Society Symposia 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
17160	Takuo Sasaki	1268 (2010) EE06-02	2008B3571	BL11XU	山口 真史	<i>In situ</i> Study of Strain Relaxation Mechanisms during Lattice-mismatched InGaAs/GaAs Growth by X-ray Reciprocal Space Mapping
			2009A3573	BL11XU	山口 真史	
17241	Daiju Matsumura	1262 (2010) W06-10	2007A3607	BL14B1	松村 大樹	Real-time and Direct Observation of Hydrogen Absorption Dynamics for Pd Nanoparticles
			2007A3619	BL14B1	松村 大樹	
			2007B3601	BL14B1	松村 大樹	
			2008A3613	BL14B1	松村 大樹	
			2008B3618	BL14B1	松村 大樹	
			2009A3618	BL14B1	松村 大樹	
			2009B3606	BL14B1	松村 大樹	
17272	Takaya Mitsui	1262 (2010) W06-09	2009B3501	BL11XU	三井 隆也	Ultrahigh-Pressure Study on the Magnetic State of Iron Hydride using an Energy Domain Synchrotron Radiation ⁵⁷ Fe Mössbauer Spectrometer
			2009A3501	BL11XU	三井 隆也	

Materials Science Forum

17153	Qiang Zhang	654-656 (2010) 2358-2361	2008B1147	BL20XU	戸田 裕之	Three Dimensional Microstructure Characterization of an Al-Zn-Mg Alloy Foam Using Synchrotron X-ray Microtomography
			2009B1374	BL20XU	Zhang Qiang	
17154	Masakazu Kobayashi	654-656 (2010) 2303-2306	2005B0019	BL47XU	戸田 裕之	3D Characterisation of Grain Deformation under Synchrotron Radiation
			2007B1213	BL20XU	小林 正和	
			2008A1498	BL20XU	小林 正和	
			2009A1554	BL20XU	小林 正和	
17186	Tomoyuki Fujishiro	652 (2010) 285-289	2009B3721	BL22XU	菫蒲 敬久	In-situ Observation for Elucidation of Stress Corrosion Cracking Mechanism in High-temperature and High-pressure Water

Nuclear Instruments and Methods in Physics Research Section A

17173	Ryuta Mizutani	621 (2010) 615-619	2009B1191	BL20XU	水谷 隆太	Estimation of Presampling Modulation Transfer Function in Synchrotron Radiation Microtomography
			2009A1113	BL20XU	水谷 隆太	
			2008A1190	BL47XU	水谷 隆太	
			2007B1102	BL20XU	水谷 隆太	
			2007A1844	BL20XU	水谷 隆太	
17204	Masayuki Kanasugi	621 (2010) 650-655	2005B3825	BL23SU	小林 啓介	Improvement in Low-voltage Performance of Surface-Electrode Soft-X-ray Detectors Composed of Undoped Homoepitaxial CVD/HPHT Ib Diamond Layers
			2006B3812	BL23SU	斎藤 祐児	
			2007A3836	BL23SU	伊藤 利道	
			2007B3832	BL23SU	伊藤 利道	
17445	Shinichiro Takeda	622 (2010) 619-627	2008B1609	BL08W	高橋 忠幸	Polarimetric Performance of Si/CdTe Semiconductor Compton Camera

Optics Express

16394	Sally Irvine	18 (2010) 2368-2379	2008A1756	BL20XU	Fouras Andreas	Vector Tomographic X-ray Phase Contrast Velocimetry Utilizing Dynamic Blood Speckle
17244	Wataru Yashiro	18 (2010) 16890-16901	2008B1463	BL20XU	百生 敦	On the Origin of Visibility Contrast in X-ray Talbot Interferometry
			2009A1188	BL20XU	百生 敦	
17490	Marcus Kitchen	18 (2010) 19994-20012	2008A0002	BL20B2	Lewis Rob	X-ray Phase, Absorption and Scatter Retrieval Using Two or More Phase Contrast Images
			2009A1882	BL20B2	Kitchen Marcus	

Physical Review Letters

16270	Tetsu Watanuki	96 (2006) 105702	2005B3703	BL22XU	綿貫 徹	Pressure-Induced Phase Transitions in the Cd-Yb Periodic Approximant to a Quasicrystal
17163	Mao Ye	104 (2010) 176401	2009A4800	BL15XU	小林 啓介	Role of Electronic Structure in the Martensitic Phase Transition of Ni ₂ Mn _{1-x} Sn _x Studied by Hard-X-Ray Photoelectron Spectroscopy and <i>Ab Initio</i> Calculation
17411	Vadim Brazhkin	99 (2007) 245901	2006B1022	BL04B1	Brazhkin Vadim	Nonviscous Metallic Liquid Se

Biophysical 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
17113	Hiroyuki Iwamoto	99 (2010) 184-192	2005A0117	BL40XU	岩本 裕之	Fast X-ray Recordings Reveal Dynamic Action of Contractile and Regulatory Proteins in Stretch-Activated Insect Flight Muscle
			2006A1427	BL45XU	岩本 裕之	
			2007A1190	BL45XU	岩本 裕之	
17265	Tatsuhito Matsuo	99 (2010) 193-200	2008A1277	BL40XU	八木 直人	Monitoring the Structural Behavior of Troponin and Myoplasmic Free Ca ²⁺ Concentration during Twitch of Frog Skeletal Muscle
			2008A2055	BL40XU	八木 直人	
			2008B2168	BL40XU	八木 直人	
			2009A1455	BL40XU	八木 直人	

Chemical Communications

17439	Hakuba Kitagawa	46 (2010) 6302-6304	2006A0095	BL02B1	小澤 芳樹	Flexibility of Cubane-like Cu ₄ I ₄ Framework: Temperature Dependence of Molecular Structure and Luminescence Thermochromism of [Cu ₄ I ₄ (PPh ₃) ₄] in Two Polymorphic Crystalline States
			2009A1298	BL02B1	小澤 芳樹	
17465	Javier Martí-Rujas	46 (2010) 6515-6517	2009A4800	BL15XU	小林 啓介	Solid-Liquid Interface Synthesis of Microcrystalline Porous Coordination Networks
			2009B4810	BL15XU	小林 啓介	

Journal of Physics : Conference Series

17240	Haruhiro Hiraka	200 (2010) 012059	2007B3613	BL14B1	平賀 晴弘	Fe-doping Effects on Magnetism in Hole-type Superconductors of (Bi,Pb) ₂ Sr ₂ CuO ₆
			2008A3615	BL14B1	平賀 晴弘	
			2008B3615	BL14B1	平賀 晴弘	
			2005B3611	BL14B1	西畑 保雄	
17273	Makoto Seto	217 (2010) 012002	2006B3501	BL11XU	三井 隆也	Mössbauer Spectroscopy in the Energy Domain Using Synchrotron Radiation
			2007B3501	BL11XU	三井 隆也	
			2008A3501	BL11XU	三井 隆也	
			2008B3501	BL11XU	三井 隆也	
			2009A3501	BL11XU	三井 隆也	

Materials Transactions

17158	Hiroyuki Toda	51 (2010) 1288-1295	2006A1056	BL47XU	戸田 裕之	Four-Dimensional Annihilation Behaviors of Micro Pores during Surface Cold Working
			2007A1618	BL47XU	戸田 裕之	
			2007B1078	BL47XU	戸田 裕之	
17324	Shigeo Sato	51 (2010) 1381-1385	2009A3771	BL22XU	佐藤 成男	Atomic-Scale Characterization of Elastic Deformation of Zr-Based Metallic Glass under Tensile Stress

Physics of the Earth and Planetary Interiors

16422	Lowell Miyagi	174 (2009) 159-164	2003B0243	BL10XU	Merkel Sebastien	Diamond Anvil Cell Deformation of CaSiO ₃ Perovskite up to 49 GPa
16706	Haruka Ozawa	179 (2010) 157-163	2008A0099	BL10XU	廣瀬 敬	Phase Transition Boundary between B1 and B8 Structures of FeO up to 210 GPa

Polymer

17266	Yuichi Sano	51 (2010) 4243-4248	2007A1034	BL40B2	寺尾 憲	Solution Properties of Amylose Tris(<i>n</i> -butylcarbamate). Helical and Global Conformation in Alcohols
			2007B1296	BL40B2	寺尾 憲	
			2008A1313	BL40B2	寺尾 憲	
17444	Hideaki Takagi	51 (2010) 4160-4168	2006A1060	BL40B2	山本 勝宏	Characteristic Phase Behavior of Polybutadiene- <i>block</i> -poly(ϵ -caprolactone)/polybutadiene Blend after Melting Crystalline-amorphous Alternating Lamellar Structure

Solid State Communications

16284	Satoshi Heguri	148 (2008) 251-254	2003B0767	BL02B2	小林 本忠	Synthesis and Physical Properties of Mg _x C ₇₀ (1 < x ≤ 5)
16367	Kei Kinoshita	141 (2007) 69-72	2005B0307	BL04B2	川村 春樹	Pressure-induced Phase Transition of BaH ₂ : Post Ni ₂ In Phase

Acta Crystallographica Section 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
17157	Toshiyuki Matsunaga	66 (2010) 407-411	2006B1584	BL02B2	松永 利之	Structural Investigation of GeSb ₆ Te ₁₀ and GeBi ₆ Te ₁₀ Intermetallic Compounds in the Chalcogenide Homologous Series
			2007A1207	BL02B2	松永 利之	

Analytical Sciences

17320	Hisashi Hayashi	26 (2010) 885-889	2008A1336	BL39XU	林 久史	Chemical Effects of CeL _{γ4} Emission Spectra for Ce Compounds
			2009A1186	BL39XU	林 久史	
			2009A1187	BL39XU	林 久史	

Applied Materials and Interfaces

17130	Atsushi Nakahira	2 (2010) 1136-1140	2006A1286	BL01B1	中平 敦	Microstructural Control of Mesoporous Bulk Composed of TiO ₂ -Derived Titanate Nanotubes
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Chemical Geology

17082	Sean Langley	262 (2009) 217-228	2007B1332	BL01B1	高橋 嘉夫	Strontium Desorption from Bacteriogenic Iron Oxides (BIOS) Subjected to Microbial Fe(III) Reduction
			2008A1261	BL01B1	高橋 嘉夫	

Chemistry Letters

17357	Teruhiko Kashiwabara	39 (2010) 870-871	2009A1668	BL01B1	柏原 輝彦	Speciation of Tungsten in Natural Ferromanganese Oxides Using Wavelength Dispersive XAFS
			2009B1383	BL01B1	高橋 嘉夫	
			2009B1720	BL37XU	柏原 輝彦	
			2010A1407	BL37XU	高橋 嘉夫	

Chemistry of Materials

17352	Naohito Tsuji	22 (2010) 4690-4699	2007B4701	BL15XU	辻井 直人	Phase Stability and Superconducting Properties of AlB ₂ -Type YbGa _x Si _{2-x} (1.12 ≤ x ≤ 1.49)
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Electrochimica Acta

17451	Kyung-Don Nam	55 (2010) 7290-7297	2008B5392	BL16B2	今井 英人	Partially Oxidized Niobium Carbonitride as a Non- Platinum Catalyst for the Reduction of Oxygen in Acidic Medium
			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	

Environmental Science & Technology

17080	Sean Langley	43 (2009) 1008-1014	2007B1175	BL01B1	高橋 嘉夫	Sorption of Strontium onto Bacteriogenic Iron Oxides
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The FEBS Journal

16309	Kei Wada	277 (2010) 1000-1009	2008B1079	BL38B1	福山 恵一	Crystal Structure of the Halotolerant γ - glutamyltranspeptidase from <i>Bacillus subtilis</i> in Complex with Glutamate Reveals a Unique Architecture of the Solvent-Exposed Catalytic Pocket
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Geochemical Journal

17079	Kazuya Tanaka	43 (2009) 143-149	2006B1099	BL01B1	高橋 嘉夫	Determination of the Host Phase of Rare Earth Elements in Natural Carbonate Using X-ray Absorption Near-Edge Structure
			2006A1533	BL01B1	田中 万也	

JETP Letters

14215	Vadim Brazhkin	89 (2009) 244-248	2006B3608	BL14B1	Brazhkin Vadim	Investigation of Polyamorphism in Compressed B ₂ O ₃ Glass by the Direct Measurement of the Density
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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
16251	Kousuke Itou	281 (2006) 20567-20576	2002A0741	BL41XU	田之倉 優	Three-Dimensional Structure of AzoR from <i>Escherichia coli</i> : An Oxidoreductase Conserved in Microorganisms

Journal of Catalysis

17381	Kazu Okumura	273 (2010) 156-166	2009B1107	BL01B1	奥村 和	Origin of the Excellent Catalytic Activity of Pd Loaded on Ultra-Stable Y Zeolites in Suzuki-Miyaura Reactions
			2009A1055	BL01B1	奥村 和	

Journal of Colloid and Interface Science

17081	Takahiro Nagata	332 (2009) 309-316	2008B1528	BL01B1	高橋 嘉夫	Prediction of Iodide Adsorption on Oxides by Surface Complexation Modeling with Spectroscopic Confirmation
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Journal of Nuclear Science and Technology

17175	Hiroshi Suzuki	47 (2010) 136-141	2008A3706	BL22XU	葛蒲 敬久	Pitting Damage and Residual Stress Induced by Cavitation Erosion on Mercury Target Vessel
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The Journal of Physical Chemistry B

17522	Yasuhiro Umebayashi	114 (2010) 11715-11724	2007B1377	BL04B2	梅林 泰宏	Dependence of the Conformational Isomerism in 1- <i>n</i> -Butyl-3-methylimidazolium Ionic Liquids on the Nature of the Halide Anion
			2009B1199	BL04B2	梅林 泰宏	

Journal of Physics and Chemistry of Solids

17520	Satoshi Iikubo	71 (2010) 1603-1608	2006B1465	BL04B2	社本 真一	Local Crystal Structure of Nano-Manganese-Oxide Gold Adsorbent
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Machine Vision and Applications

17477	Mitsuru Nakazawa	21 (2010) 687-694	2005B0019	BL47XU	戸田 裕之	Proposal of a Method to Analyze 3D Deformation/Fracture Characteristics inside Materials Based on a Stratified
			2006B1018	BL20XU	戸田 裕之	

Nature

17392	Alexey Ganin	466 (2010) 221-225	2009B1451	BL10XU	Prassides Kosmas	Polymorphism Control of Superconductivity and Magnetism in Cs ₃ C ₆₀ Close to the Mott Transition
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Nature Materials

14333	Rie Makiura	8 (2009) 476-480	2006B1579	BL02B2	山内 美穂	Size-Controlled Stabilization of the Superionic Phase to Room Temperature in Polymer-Coated AgI Nanoparticles
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Philosophical Magazine

17159	Qiang Zhang	90 (2010) 1853-1871	2007A1431	BL20XU	戸田 裕之	Assessment of 3D Inhomogeneous Microstructure of Highly Alloyed Aluminium Foam via Dual Energy K-edge Subtraction Imaging
			2008B1147	BL20XU	戸田 裕之	
			2009B1374	BL20XU	Zhang Qiang	

Physica Status Solidi A

17110	Wakana Takeuchi	207 (2010) 139-143	2007B1752	BL13XU	堀 勝	Monolithic Self-Sustaining Nanographene Sheet Grown Using Plasma-Enhanced Chemical Vapor Deposition
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Physica Status Solidi C

17443	Masatomo Sumiya	7 (2010) 1903-1905	2008B4800	BL15XU	小林 啓介	Valence Band Structure of III-V Nitride Films Characterized by Hard X-ray Photoelectron Spectroscopy
			2009A4603	BL15XU	角谷 正友	

Soft Matter

17167	Koji Honda	6 (2010) 870-875	2008A1692	BL40B2	高原 淳	Room-temperature Nanoimprint Lithography for Crystalline Poly(fluoroalkyl acrylate) Thin Films
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Transactions of the Materials Research Society of Japan

17191	Masanori Fukunaga	35 (2010) 111-114	2009B3601	BL14B1	福永 正則	High Pressure and Temperature Synthesis of Bi-based Perovskite (Bi _{0.5} Na _{0.5-x} Li _x)TiO ₃
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X-Ray Optics and Instrumentation

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
17171	Yoshio Suzuki	2010 (2010) 824387	2006A1562	BL20XU	鈴木 芳生	Fabrication and Performance Test of Fresnel Zone Plate with 35 nm Outermost Zone Width in Hard X-Ray Region

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

17535	Hiroyuki Saitoh	(2010) 166-174	2008A3604	BL14B1	齋藤 寛之	High Pressure Study of AlH ₃ for Practical Hydrogen Storage Material
			2008A3614	BL14B1	齋藤 寛之	
			2008B3617	BL14B1	齋藤 寛之	
			2009A3602	BL14B1	齋藤 寛之	
			2009B3603	BL14B1	齋藤 寛之	
			2009B3602	BL14B1	齋藤 寛之	

保全学 (Maintenology)

17461	Kenji Suzuki	9 (2010) 39-44	2007A1108	BL02B1	鈴木 賢治	Residual Microstress of Austenitic Stainless Steel by Plastic Deformation
			2007B1646	BL02B1	鈴木 賢治	

博士論文 (岡山大学)

17249	Akihiro Hori	(2010)	2009B1702	BL02B2	堀 彰宏	Magnetic Properties and Arrangements of Molecular Oxygen Adsorbed in Microporous Coordination Polymers
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課題以外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	関連情報	ビームライン	タイトル
17321	Takuo Ohkouchi	78 (2008) 165110	原研	BL23SU	Observation of 5f Electrons in the Itinerant Limit: Three-Dimensional Electronic Structure of UB ₂
17334	Jun Okamoto	71 (2005) 104401	原研	BL23SU	Antiferromagnetic-to-Ferromagnetic Transition Induced by Diluted Co in SrFe _{1-x} Co _x O ₃ : Magnetic Circular Dichroism Study
17365	Jong-Il Hwang	72 (2005) 085216	原研	BL23SU	High-energy Spectroscopic Study of the III-V Nitride-based Diluted Magnetic Semiconductor Ga _{1-x} Mn _x N
17369	Mattia Mulazzi	82 (2010) 075130	理研	BL17SU	Absence of Nesting in the Charge-Density-Wave System 1T-VS ₂ as Seen by Photoelectron Spectroscopy
17391	Koji Horiba	81 (2010) 245127	理研	BL17SU	Electronic Structure of SrRu _{1-x} Mn _x O ₃ Studied by Photoemission and X-ray Absorption Spectroscopy

Journal of the Physical Society of Japan

16920	Tsunehiro Takeuchi	79 (2010) 064711	原研	BL23SU	Bulk Sensitive Soft X-ray Angle-Resolved Photoemission Spectroscopy of Bi _{1.72} Pb _{0.36} Sr _{1.86} CuO _{6+δ}
17196	Akira Yasui	78 (2009) 104705	理論	BL23SU	First-Principles Local-Density Approximation Study of Electronic Structure in CeCoSi ₂
17267	Takayuki Tanaka	74 (2005) 1762-1765	原研	BL11XU	Phonon Density of States of Pseudomorphic fcc-Fe Film
17331	Takuo Ohkouchi	78 (2009) 084802	原研	BL23SU	Observation of Itinerant Ce 4f Electronic States in CeIrSi ₃ Studied by Angle-Resolved Ce 3d → 4f Resonance Photoemission Spectroscopy

Macromolecules

16990	Tomoko Hashida	43 (2010) 402-408	理研	BL45XU	Correlation of Structure Changes in the water-Induced Phase Transitions of Poly(ethylenimine) Viewed from Molecular, Crystal, and Higher-Order Levels As Studied by Simultaneous WAXD/SAXS/Raman Measurements
16998	Myung-Im Kim	42 (2009) 5266-5271	理研	BL45XU	Determination of Fddd Phase Boundary in Polystyrene- block- polyisoprene Diblock Copolymer Melts

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

16991	Yoko Nekooki-Machida	106 (2009) 9679-9684	理研	BL45XU	Distinct Conformations of in vitro and in vivo Amyloids of Huntingtin-exon1 Show Different Cytotoxicity
17118	Huaidong Jiang	107 (2010) 11234-11239	理研	BL29XU	Quantitative 3D Imaging of Whole, Unstained Cells by using X-ray Diffraction Microscopy

Proteins : Structure, Function, and Bioinformatics

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
17111	Yuya Nishida	78 (2010) 2395-2398	理研	BL26B1	Crystal Structure of an Archaeal Cleavage and Polyadenylation Specificity Factor Subunit from <i>Pyrococcus horikoshii</i>
17112	Atsuhiko Shimada	78 (2010) 2399-2402	理研	BL26B1	The First Crystal Structure of an Archaeal Metallo- β -lactamase Superfamily Protein; ST1585 from <i>Sulfolobus tokodaii</i>

Diamond and Related Materials

17202	Hiroshi Matsubara	16 (2007) 1044-1048	装置 & 技術	BL23SU	High-performance Diamond Soft-X-ray Detectors with Internal Amplification Function
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Journal of Electron Spectroscopy and Related Phenomena

17208	Atsushi Fujimori	144-147 (2005) 701-705	原研	BL23SU	Photoemission and Core-Level Magnetic Circular Dichroism Studies of Diluted Magnetic Semiconductors
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Journal of Radioanalytical and Related Phenomena

17268	Kiyoshi Nomura	266 (2005) 543-551	原研	BL11XU	Mössbauer Study on the CMR Double Perovskite $AFe_{0.5}Mo_{0.5}O_3$ with $A=(Ba, Sr)$ or (Sr, Ca) : Chemical Pressure Effect
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Journal of the Vacuum Society of Japan

17077	Masaya Ooishi	53 (2010) 140-143	加速器		Investigation of an Aluminum Flange with an Electron Beam Modified Seal Edge
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Materials Research Bulletin

17492	Kenji Yoshii	45 (2010) 1574-1580	原研	BL14B1	Magnetic and Dielectric Study of $R_{0.5}Sr_{0.5}MnO_3$ (R = Gd, Tb and Dy)
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Microbiology

17084	Keiko Sakamoto	156 (2010) 1993-2005	理研	BL26B2	Structural and Functional Characterization of Transcriptional Repressor CsoR from <i>Thermus thermophilus</i> HB8
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Nature Chemical Biology

17001	Yumiko Ohhashi	6 (2010) 225-230	理研	BL45XU	Differences in Prion Strain Conformations Result from Non-native Interactions in a Nucleus
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Physica C

17335	Shin-ichi Fujimori	460-462 (2007) 657-658	原研	BL23SU	Photoemission Study on Heavy Fermion Superconductors
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Proceedings of SPIE

15418	Kazuto Yamauchi	4782 (2002) 271-276	理研	BL29XU	Wave-Optical Analysis of Sub-Micron Focusing by Reflective Optics
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Vacuum

17076	Masazumi Shouji	84 (2010) 738-742	加速器		Development of SPring-8 Vacuum System
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