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財団法人高輝度光科学研究センター
利用業務部

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このデータベースに登録された原著論文の内、平成21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。

課題の成果として登録された論文

Physical Review B

主著者	研究成果番号	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
Hiroki Hibino	14461	79 (2009) 125437	2006B0180	BL17SU	日比野 浩樹	Dependence of Electronic Properties of Epitaxial Few-Layer Graphene on the Number of Layers Investigated by Photoelectron Emission Microscopy
			2007A1919	BL17SU	日比野 浩樹	
Hitoshi Yamaoka	14473	80 (2009) 035120	2008B4255	BL12XU	山岡 人志	Temperature Dependence of the Yb Valence in YbCu ₅ and YbCu _{5-x} Al _x Kondo Compounds Studied by X-ray Spectroscopy
Ayano Chiba	14536	80 (2009) 060201(R)	2007A1382	BL04B1	辻 和彦	Pressure-induced Suppression of the Peierls Distortion of Liquid As and GeX (X=S, Se, Te)
Ayako Ohmura	14552	80 (2009) 054201	2000A0056	BL04B2	浜谷 望	Structure of Pressure-Induced Amorphous Form of SnI ₄ at High Pressure
			2000B0381	BL04B2	浜谷 望	
Selena Margadonna	14587	80 (2009) 064506	2008B1322	BL10XU	Prassides Kosmas	Pressure Evolution of the Low-Temperature Crystal Structure and Bonding of the Superconductor FeSe (T _c =37 K)
Jesse Smith	14591	79 (2009) 134104	2008A1019	BL10XU	Tse John	High-Pressure Structures and Vibrational Spectra of Barium Fluoride: Results Obtained under Nearly Hydrostatic Conditions
Shigenori Ueda	14642	80 (2009) 092402	2006A1606	BL29XU	田中 秀和	Mn 2p Core-Level Spectra of La _{1-x} Ba _x MnO ₃ Thin Films Using Hard X-ray Photoelectron Spectroscopy: Relation between Electronic and Magnetic States
Hiroo Omi	14669	74 (2009) 245319	2007B3102	BL24XU	尾身 博雄	Stability-Instability Transition of Reaction Fronts in Thermal Oxidation of Silicon

Journal of Synchrotron Radiation

主著者	研究成果番号	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
Roberto Boada	14471	16 (2009) 38-42	1999A0388	BL39XU	Chaboy Jesus	Temperature Dependence of the Ho L_2 -edge XMCD Spectra of $\text{Ho}_6\text{Fe}_{23}$
Jesus Chaboy	14472	16 (2009) 405-412	2001A0062	BL39XU	Chaboy Jesus	Origin of the X-Ray Magnetic Circular Dichroism at the L -edges of the Rare-Earths in $R_xR_{1-x}\text{Al}_2$ Systems
Martin Donnelley	14524	16 (2009) 553-561	2008B1985	BL20XU	Parsons David	Real-Time Non-Invasive Detection of Inhalable Particulates Delivered into Live Mouse Airways
Jun Kikuma	14555	16 (2009) 683-686	2008A1778 2008A1905	BL19B2 BL19B2	小川 晃博 松野 信也	Hydrothermal Formation of Tobermorite Studied by <i>in-situ</i> X-ray Diffraction under Autoclave Condition
Akihisa Takeuchi	14588	16 (2009) 616-621	2003B0138	BL37XU	竹内 晃久	Confocal Full-Field X-ray Microscope for Novel Three-Dimensional X-ray Imaging

Journal of Physics: Conference Series

Masaichiro Mizumaki	14507	176 (2009) 012034	2007B1351 2008A1972	BL01B1 BL39XU	水牧 仁一朗 河村 直己	Temperature Dependence of Sm Valence in SmB_6 Studied by X-ray Absorption Spectroscopy
Satoshi Tsutsui	14526	176 (2009) 012033	2007A1233	BL09XU	筒井 智嗣	^{149}Sm Nuclear Resonant Inelastic Scattering of SmB_6
Mina Sakuragi	14614	184 (2009) 012008	2006B0012	BL40B2	櫻井 和朗	Supramolecular Structures of Benzyl Amine Derivate/DNA Complexes Explored with Synchrotron Small Angle X-ray Scattering at SPRing-8
Ken Terao	14638	184 (2009) 012006	2007A1034 2007B1296 2008A1313	BL40B2 BL40B2 BL40B2	寺尾 憲 寺尾 憲 寺尾 憲	Dimensional and Hydrodynamic Properties of Amylose Tris(phenylcarbamate) in Various Solvents

Applied Physics Letters

Miho Kitamura	14421	94 (2009) 262503	2007B1325	BL43IR	松波 雅治	Electronic Structure Characterization of $\text{La}_2\text{NiMnO}_6$ Epitaxial Thin Films using Synchrotron-Radiation Photoelectron Spectroscopy and Optical Spectroscopy
Masahiro Kunisu	14556	86 (2005) 121902	2003B0518 2004A0401	BL01B1 BL01B1	田中 功 田中 功	Local Environment of Mn Dopant in ZnO by Near-Edge X-ray Absorption Fine Structure Analysis
Korefumi Kubota	14558	95 (2009) 073303	2008B1947	BL46XU	加藤 拓司	Control of the Molecular Orientation of a 2,2-bithiophene-9,9-dioctylfluorene Copolymer by Laser Annealing and Subsequent Enhancement of the Field Effect Transistor Characteristics

ECS Transactions

Takayoshi Shimura	14508	19 (2009) 479-493	2002A0169	BL13XU	志村 考功	Synchrotron X-ray Diffraction Studies of Thermal Oxidation of Si and SiGe
Takayoshi Shimura	14509	16 (2008) 539-543	2007A1736 2007B1557	BL20B2 BL20B2	志村 考功 志村 考功	Observation of Crystalline Imperfections in Supercritical Thickness Strained Silicon on Insulator Wafers by Synchrotron X-ray Topography
Hiroyuki Saitoh	14533	13 (2008) 263-269	2007B1823 2007A1216	BL19B2 BL46XU	小椋 厚志 小椋 厚志	Evaluation and Control of Strain in Si Induced by Patterned SiN Stressor

Journal of Physics D: Applied Physics

Stanislav Chadov	14418	42 (2009) 084002	2006A1476 2007A4903 2007B4904 2008A0017	BL47XU BL15XU BL15XU BL47XU	Felser Claudia Fecher Gerhard Felser Claudia Felser Claudia	Electron Correlations in $\text{Co}_2\text{Mn}_{1-x}\text{Fe}_x\text{Si}$ Heusler Compounds
Siham Ouardi	14419	42 (2009) 084010	2007A4903 2007B4904	BL15XU BL15XU	Fecher Gerhard Felser Claudia	Hard X-ray Photoelectron Spectroscopy of Buried Heusler Compounds
Siham Ouardi	14420	42 (2009) 084011	2008A0017	BL47XU	Felser Claudia	Electronic Properties of Co_2MnSi Thin Films Studied by Hard X-ray Photoelectron Spectroscopy

Journal of the American Chemical Society

主著者	研究成果番号	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
Taro Tamada	14510	131 (2009) 11033-11040	2005B0982	BL41XU	木下 誉富	Combined High-Resolution Neutron and X-ray Analysis of Inhibited Elastase Confirms the Active-Site Oxyanion Hole but Rules Against a Low-Barrier Hydrogen Bond
Yoshinori Okano	14523	131 (2009) 7169-7174	2005B0996	BL10XU	大石 泰生	High-Pressure (up to 10.7 GPa) Crystal Structure of Single-Component Molecular Metal [Au(tmdt) ₂]
Julien Haines	14621	131 (2009) 12333-12338	2008A1965	BL04B2	小原 真司	Topologically Ordered Amorphous Silica Obtained from the Collapsed Siliceous Zeolite, Silicalite-1-F: A Step toward " Perfect " Glasses

Journal of the Physical Society of Japan

Rikiya Yoshida	13769	78 (2009) 034705	2008A1576	BL27SU	横谷 尚睦	Superconducting Gap and Valence Band of Mg ₁₀ Ir ₁₉ B ₁₆ Studied by Laser and Synchrotron Photoemission Spectroscopy
Rikiya Yoshida	13771	78 (2009) 034708	2008B1581	BL27SU	横谷 尚睦	Electronic Structure of Superconducting FeSe Studied by High-Resolution Photoemission Spectroscopy
Nobuyoshi Hosoi	14651	78 (2009) 094716	2006B1535	BL39XU	細糸 信好	Magnetic Field Dependence of Au Spin Polarization Induced in the Epitaxial Fe/Au(001) Multilayer with Antiferromagnetic Interlayer Coupling by Resonant X-ray Magnetic Scattering

Acta Crystallographica Section F

Yuko Fujioka	14429	64 (2008) 1046-1048	2008A2021	BL41XU	稲垣 冬彦	Crystallization of the Coiled-Coil domain of Atg16 Essential for Autophagy
Miki Kinoshita	14504	65 (2009) 825-828	2006B1058	BL41XU	今田 勝巳	Purification, Crystallization and Preliminary X-ray Analysis of FlIT, a Bacterial Flagellar Substratespecific Export Chaperone
			2008A1402	BL41XU	今田 勝巳	

Applied Physics Express

Takuo Sasaki	14458	2 (2009) 085501	2008B3571	BL11XU	山口 真史	<i>In situ</i> Real-time X-ray Reciprocal Space Mapping During InGaAs/GaAs Growth for Understanding Strain Relaxation Mechanisms
Masahito Tagawa	14664	2 (2009) 066002	2008B3801	BL23SU	寺岡 有殿	Atomic Layer Fluorination of HOPG using Hyperthermal Atomic Fluorine Beam

The EMBO Journal

Takeo Tsuda	14413	28 (2009) 1782-1791	2008A0013	BL41XU	豊島 近	Nucleotide Recognition by CopA, a Cu ⁺ -transporting P-type ATPase
Kenji Satoo	14428	28 (2009) 1341-1350	2005A0870	BL41XU	稲垣 冬彦	The Structure of Atg4B-LC3 Complex Reveals the Mechanism of LC3 Processing and Delipidation during Autophagy

Journal of Alloys and Compounds

Keiji Itoh	14673	483 (2009) 213-216	2007B1111	BL04B2	伊藤 恵司	Structural Study on Zr _{0.39} Ni _{0.61} and (Zr _{0.39} Ni _{0.61})D _{0.59} Amorphous Alloys by Neutron and X-ray Diffraction
Toshio Nasu	14680	483 (2009) 589-592	2006B1419	BL04B2	臼杵 毅	Direct Observation of Radial Distribution Change during Tensile Deformation of Metallic Glass by High Energy X-ray Diffraction Method

Journal of Applied Physics

Kuniyuki Kakushima	13715	104 (2008) 104908	2007B1779	BL47XU	吉丸 正樹	Observation of Band Bending of Metal/high- <i>k</i> Si Capacitor with High Energy X-ray Photoemission Spectroscopy and its Application to Interface Dipole Measurement
Naoki Ishimatsu	14586	106 (2009) 033902	2006B1537	BL39XU	石松 直樹	Orbital Contribution to Perpendicular Magnetic Anisotropy in Co ₈₀ Pt ₂₀ Thin Films
			2007A2027	BL39XU	石松 直樹	

The Journal of Biological Chemistry

主著者	研究成果番号	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
Minako Matsushita	14431	282 (2007)	2004B0840	BL41XU	稲垣 冬彦	Structure of Atg5-Atg16, a Complex Essential for Autophagy
		6763-6772	2004B0839	BL38B1	稲垣 冬彦	
Yuya Yamada	14432	282 (2007) 8036-8043	2004B0197	BL41XU	稲垣 冬彦	The Crystal Structure of Atg3, an Autophagy-related Ubiquitin Carrier Protein (E2) Enzyme that Mediates Atg8 Lipidation

Journal of Electron Spectroscopy and Related Phenomena

Hiroshi Daimon	13777	156-158 (2007) 1-9	2005B0647	BL25SU	大門 寛	Circularly Polarized X-ray Photoelectron Diffraction - Stereo Photograph of Atomic Arrangement
			2005B0726	BL25SU	松井 文彦	
			2006A1495	BL25SU	大門 寛	
			2006A1688	BL25SU	松井 文彦	
			2006B1453	BL25SU	松井 文彦	
			2006B1019	BL25SU	松下 智裕	
Isao Suzuki	14636	173 (2009) 18-23	2007B1734	BL27SU	長岡 伸一	Photoelectron Spectra of $F_3SiC_2H_4Si(CH_3)_3$ Molecule Using Monochromatized Synchrotron Radiation

The Journal of Physical Chemistry B

Cao Weigh	14491	113 (2009) 2338-2346	2007A1321	BL40B2	増永 啓康	Relationship between Morphological Change and Crystalline Phase Transitions of Polyethylene-Poly(ethylene Oxide) Diblock Copolymers, Revealed by the Temperature-dependent Synchrotron WAXD/SAXS and Infrared/Raman Spectral Measurements
Kenzo Naruse	14613	113 (2009) 10222-10229	2006B0012	BL40B2	櫻井 和朗	Flexibility and Cross-Sectional Structure of an Anionic Dual-Surfactant Wormlike Micelle Explored with Small-Angle X-ray Scattering Coupled with Contrast Variation Technique

Journal of the Electrochemical Society

Takamasa Nonaka	14630	154 (2007) A353-A358	2005B5370	BL16B2	野中 敬正	Surface-Sensitive X-Ray Absorption Study on $LiNi_{0.8}Co_{0.15}Al_{0.05}O_2$ Cathode Material for Lithium-Ion Batteries
			2006A5372	BL16B2	野中 敬正	
Tsuyoshi Sasaki	14632	156 (2009) A289-A293	2007A5372	BL16B2	野中 敬正	Capacity-Fading Mechanisms of $LiNiO_2$ -Based Lithium-Ion Batteries

Macromolecules

Kenichi Hayashida	14652	39 (2006) 9402-9408	2006A1238	BL40XU	松下 裕秀	Systematic Transitions of Tiling Patterns Formed by ABC Star-Shaped Terpolymers
Kenichi Hayashida	14654	41 (2008) 6269-6271	2007B1088	BL40XU	松下 裕秀	Giant Zincblende Structures Formed by an ABC Star-Shaped Terpolymer/Homopolymer Blend System

Materials Transactions

Kentaro Nakata	14414	50 (2009)	2006A1294	BL01B1	中平 敦	Synthesis and Characterization of Silicon-Doped Hydroxyapatite
		1046-1049	2007A1332	BL01B1	中平 敦	
Takashi Kubo	14415	50 (2009) 1054-1059	2006A1286	BL01B1	中平 敦	Effect of Additives on Microstructures of Titanate Based Nanotubes Prepared by The Hydrothermal Process
			2007B1666	BL01B1	久保 敬	
			2008A1736	BL01B1	久保 敬	

Physical Review Letters

Takeshi Fujita	14529	103 (2009) 075502	2007B1346	BL01B1	Chen Mingwei	Atomic-Scale Heterogeneity of a Multicomponent Bulk Metallic Glass with Excellent Glass Forming Ability
			2008A1482	BL01B1	Chen Mingwei	
			2008B1336	BL01B1	Chen Mingwei	
Kenichi Hayashida	14653	98 (2007) 195502	2006B1490	BL40XU	松下 裕秀	Polymeric Quasicrystal: Mesoscopic Quasicrystalline Tiling in ABC Star Polymers
			2005A0221	BL40XU	松下 裕秀	

Polymer

主著者	研究成果番号	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
KyoungHou Kim	14618	49 (2008)	2007B1226	BL40B2	大越 豊	Initial Structure Development in the CO ₂ Laser Heated Drawing of Poly(trimethylene terephthalate) Fiber
		5705-5713	2006B1396	BL40B2	浦川 宏	
KyoungHou Kim	14624	50 (2009)	2008A1445	BL40B2	大越 豊	Mesophase Structure Discovered through in-situ X-ray Measurement in Drawing Process of Poly(ethylene 2,6-naphthalene Dicarboxylate) Fiber
		4429-4431	2007B1226	BL40B2	大越 豊	

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

Tetsuo Yamashita	14474	106 (2009) 12986-12991	2007A6500	BL44XU	山下 栄樹	Biological and Immunological Characteristics of Hepatitis E Virus-like Particles Based on the Crystal Structure
Haruo Ogawa	14554	106 (2009) 13742-13747	2008B0013	BL41XU	豊島 近	Crystal Structure of the Sodium-Potassium Pump (Na ⁺ ,K ⁺ -ATPase) with Bound Potassium and Ouabain

Acta Crystallographica Section B

Yuichi Michiue	14681	65 (2009) 567-575	2007B4501 2008A4503	BL15XU BL15XU	武田 隆史 武田 隆史	Eu ₃ Si _{15-x} Al _{1+x} O _x N _{23-x} (x = 5/3) as a Commensurate Composite Crystal
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Acta Crystallographica Section D

Haruka Tamura	14553	65 (2009) 942-951	2006B6806	BL44XU	井上 豪	Structure of the Apo Decarbamylated Form of 2,3-diketo-5-methylthiopentyl-1-phosphate Enolase from <i>Bacillus subtilis</i>
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Advances in X-Ray Analysis

Kenji Suzuki	14477	52 (2009) 537-544	2005B0042 2006A1752	BL02B1 BL02B1	鈴木 賢治 鈴木 賢治	Residual Stresses of EB-PVD Thermal Barrier Coating Exposed to High Temperature
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Applied Materials and Interfaces

Weng On Yah	14615	1 (2009) 1544-1552	2008B1519	BL02B2	高原 淳	Molecular Aggregation State and Photovoltaic Properties of Chlorophyll-Doped Conducting Poly(3-hexylthiophene)/MCM-41 Nanocomposites
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Applied Surface Science

Kumiko Yokota	14663	255 (2009) 6710-6714	2008A3801	BL23SU	寺岡 有殿	Hydrogen Desorption from a Diamond-like Carbon Film by Hyperthermal Atomic Oxygen Exposures
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Catalysis Letters

Tetsuya Shishido	14687	131 (2009) 413-418	2005A0491 2005A0492	BL01B1 BL28B2	天野 史章 天野 史章	In Situ Time-Resolved Energy-Dispersive XAFS Study on Reduction Behavior of Pt Supported on TiO ₂ and Al ₂ O ₃
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Catalysis Today

Yasutaka Nagai	14511	145 (2009) 279-287	2003B0167 2004A0512 C03B4013	BL28B2 BL28B2 BL16B2	田中 庸裕 田中 庸裕 堂前 和彦	Dynamic in situ Observation of Automotive Catalysts for Emission Control Using X-ray Absorption Fine Structure
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Central European Journal of Physics

Kyoichi Oshida	14467	7 (2009) 232-236	2007A1178	BL04B2	押田 京一	Nano Structure of Low Crystallinity Carbon Materials Analyzed by using High Energy X-ray Diffraction
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Chemical Physics Letters

Yutaka Mera	14693	473 (2009) 138-141	2007A1501	BL27SU	前田 康二	Defects Generation in Single-Walled Carbon Nanotubes Induced by Soft X-ray Illumination
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Chemistry - A European Journal

Atsushi Kondo	14483	15 (2009) 7549-7553	2008A1110 2006B1587	BL02B2 BL02B2	金子 克美 金子 克美	Metal-Ion-Dependent Gas Sorptivity of Elastic Layer-Structured MOFs
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Chemistry of Materials

主著者	研究成果番号	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
Alexei Belik	14460	21 (2009) 3400-3405	2007B1192	BL04B2	遊佐 斉	Structural Properties of Multiferroic BiFeO ₃ under Hydrostatic Pressure

e-Journal of Surface Science and Nanotechnology

Fumihiko Maeda	13723	4 (2006) 155-160	2004B0452	BL27SU	前田 文彦	Surface Reactions of Co on SiO ₂ Thin Layer/Si Substrate Studied by LEEM and PEEM
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Electrochemical and Solid-State Letters

Atsushi Ogura	14535	12 (2009) H117-H119	2007A1216	BL46XU	小椋 厚志	Evaluation and Control of Strain in Si Induced by Patterned SiN Stressor
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Electrochemistry

Shinya Hosokawa	14667	77 (2009) 608-610	2002B0179	BL35XU	細川 伸也	Acoustic Phonons in Molten NaI
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The European Physical Journal Special Topics

Hiroaki Kushida	12415	158 (2008) 87-92	2001B0080 2005B0698	BL02B2 BL02B2	大庭 卓也 大庭 卓也	Crystal Structure of Martensite and Intermediate Phases in Ni ₂ MnGa Studied by Neutron Diffraction
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Experimental Parasitology

Hideyuki Yoshimura	14450	122 (2009) 268-272	2007A1845 2007A1846	BL20B2 BL47XU	吉村 英恭 吉村 英恭	<i>Sarcoptes scabiei</i> var. <i>hominis</i> : Three-dimensional Structure of a Female Imago and Crusted Scabies Lesions by X-ray Micro-CT
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Genes to Cells

Kenji Sugawara	14433	9 (2004) 611-618	2002B0762	BL41XU	稲垣 冬彦	The Crystal Structure of Microtubule-Associated Protein Light Chain 3, a Mammalian Homologue of <i>Saccharomyces cerevisiae</i> Atg8
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Inorganic Chemistry

Hitoshi Yusa	14516	48 (2009) 7537-7543	2008A1253 2007B1147 2007B1192	BL10XU BL10XU BL04B2	遊佐 斉 遊佐 斉 遊佐 斉	High-Pressure Phase Transition to the Gd ₂ S ₃ Structure in Sc ₂ O ₃ : A New Trend in Dense Structures in Sesquioxides
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Japanese Journal of Applied Physics

Atsushi Ogura	14534	47 (2008) 1465-1468	2006A1044	BL13XU	小椋 厚志	Evaluation of Strain in Si-on-Insulator Substrate Induced by Si ₃ N ₄ Capping Film
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Journal of Anatomy

David Parsons	14525	213 (2008) 217-227	2006A1299 2007A1287 J05A0533	BL20B2 BL20XU BL20XU	Parsons David Parsons David 八木 直人	High-Resolution Visualization of Airspace Structures in Intact Mice via Synchrotron Phase-Contrast X-ray Imaging (PCXI)
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The Journal of Chemical Physics

Mikko Hakala	13606	130 (2009) 034506	2007A1681	BL08W	Hamalainen Keijo	Charge Localization in Alcohol Isomers Studied by Compton Scattering
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Journal of Crystal Growth

Tomoya Nagira	14671	311 (2009) 3765-3770	2004A0593	BL47XU	安田 秀幸	Chain Structure in the Unidirectionally Solidified Al ₂ O ₃ -YAG-ZrO ₂ Eutectic Composite
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Journal of Materials Science

Ken Nishida	14549	44 (2009) 5339-5344	2003B0596	BL13XU	舟窪 浩	Orientation Controlled Deposition of Pb(Zr,Ti)O ₃ Films using a Micron-Size Patterned SrRuO ₃ Buffer Layer
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Journal of Molecular Biology

主著者	研究成果番号	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
Yuzuru Ito	13799	385 (2009) 1456-1469	2006B1766	BL41XU	関根 俊一	Structure of Selenophosphate Synthetase Essential for Selenium Incorporation into Proteins and RNAs

The Journal of Physical Chemistry C

Nobuko Hanada	14497	113 (2009) 13450-13455	2004B0898	BL19B2	市川 貴之	X-ray Absorption Spectroscopic Study on Valence State and Local Atomic Structure of Transition Metal Oxides Doped in MgH ₂
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Journal of Physics and Chemistry of Solids

Dmitry Reznik	14454	69 (2008) 3103-3107	2006A1417	BL35XU	福田 竜生	q-Dependence of the Giant Bond-Stretching Phonon Anomaly in the Stripe Compound La _{1.48} Nd _{0.4} Sr _{0.12} CuO ₄ Measured by IXS
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Journal of Polymer Science Part B: Polymer Physics

Kyoung Hou Kim	14616	47 (2009) 1653-1665	2007B1226	BL40B2	大越 豊	Molecular Weight Dependence of Fiber Structure Development in the Laser Drawing of Poly(ethylene terephthalate) Fibers
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Journal of Power Sources

Takamasa Nonaka	14629	162 (2006) 1329-1335	C00B4013	BL16B2	野中 敬正	In situ XAFS and Micro-XAFS Studies on LiNi _{0.8} Co _{0.15} Al _{0.05} O ₂ Cathode Material for Lithium-ion Batteries
			C01A3018	BL16XU	妹尾 与志木	

Langmuir

Masafumi Harada	14623	25 (2009) 6049-6061	2000B0011	BL01B1	原田 雅史	In Situ Time-Resolved XAFS Studies of Mwtal Particle Formation by Photoreduction in Polymer Solutions
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Molecular Microbiology

Seiji Kojima	14505	73 (2009) 710-718	2007B2049	BL41XU	今田 勝巳	Stator Assembly and Activation Mechanism of the Flagellar Motor by the Periplasmic Region of MotB
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Nature

Takehiro Shinoda	14412	459 (2009) 446-450	2008A0013	BL41XU	豊島 近	Crystal Structure of the Sodium-Potassium Pump at 2.4Å Resolution
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Optics Express

Atsushi Momose	14444	17 (2009) 12540-12545	2007B1240	BL28B2	百生 敦	High-Speed X-ray Phase Imaging and X-ray Phase Tomography with Talbot Interferometer and White Synchrotron Radiation
			2008A1317	BL28B2	百生 敦	

Physics of the Earth and Planetary Interiors

Motohiko Murakami	14470	174 (2009) 282-291	2006A0099	BL10XU	廣瀬 敬	Development of <i>in situ</i> Brillouin Spectroscopy at High Pressure and High Temperature with Synchrotron Radiation and Infrared Laser Heating System: Application to the Earth's Deep Interior
			2006B0099	BL10XU	廣瀬 敬	
			2007A0099	BL10XU	廣瀬 敬	

Rubber Chemistry and Technology

Hiroyuki Kishimoto	14499	81 (2008) 541-551	2004A0486	BL20XU	雨宮 慶幸	Structural Analysis of Filler in Rubber Composite under Stretch with Time-Resolved Two-Dimensional Ultra-Small-Angle X-Ray Scattering
			2004B0567	BL20XU	雨宮 慶幸	
			2004B0569	BL40B2	雨宮 慶幸	
			2005A0707	BL20XU	雨宮 慶幸	
			2005A0709	BL40B2	雨宮 慶幸	
			2005B0003	BL20XU	雨宮 慶幸	
			2006A0004	BL40B2	雨宮 慶幸	
			2006A0003	BL20XU	雨宮 慶幸	
2006A0004	BL40B2	雨宮 慶幸				

Science

主著者	研究成果番号	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
Yasuhiro Takabayashi	14589	323 (2009) 1585-1590	2007B2018 2008B1323	BL10XU BL10XU	大石 泰生 Prassides Kosmas	The Disorder-Free Non-BCS Superconductor Cs ₃ C ₆₀ Emerges from an Antiferromagnetic Insulator Parent State

Solid State Ionics

Keiji Itoh	14674	180 (2009) 351-355	2008A1015	BL04B2	伊藤 恵司	Structure of Na ₂ S-GeS ₂ Glasses Studied by using Neutron and X-ray Diffraction and Reverse Monte Carlo Modeling
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Surface and Interface Analysis

Takashi Doi	14484	40 (2008) 1374-1381	2006A0187 2005B0947	BL39XU BL47XU	來村 和潔 西山 佳孝	Analysis of Cu Segregation to Oxide-Metal Interface of Ni-based Alloy in a Metal-Dusting Environment
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Transactions of JSASS, Space Technology Japan

Kumiko Yokota	14692	7 (2009) Pc37-Pc42	2007A3808	BL23SU	寺岡 有殿	Si-doping for the Protection of Hydrogenated Diamond-like Carbon Films in a Simulated Atomic Oxygen Environment in Low Earth Orbit
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材料 (Journal of the Society of Materials Science, Japan)

Kenji Suzuki	14476	58 (2009) 562-567	2005B0042 2006A1752	BL02B1 BL02B1	鈴木 賢治 鈴木 賢治	Internal Stress in EB-PVD Thermal Barrier Coatings under Thermal Cycle
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粉体および粉末冶金 (Journal of the Japan Society of Powder and Powder Metallurgy)

Kenji Kamishima	14603	56 (2009) 456-460	2007B1615	BL02B2	神島 謙二	Preparation of Pyrolytic Magnetic Carbon under Magnetic Field
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課題以外の成果として登録された論文

Physical Review B

主著者	研究成果番号	雑誌情報	課題番号	ビームライン	タイトル
Yukio Takahashi	14528	80 (2009) 054103	理研	BL29XU	High-Resolution Diffraction Microscopy using the Plane-Wave Field of a Nearly Diffraction Limited Focused X-ray Beam
Yukiaki Ishida	14548	80 (2009) 081103(R)	理研	BL17SU	Evidence for Oxygen Holes due to <i>d-p</i> Rehybridization in Thermoelectric Sr _{1-x} Rh ₂ O ₄
Jason Hancock	14699	80 (2009) 092509	原研	BL11XU	Resonant Inelastic X-ray Scattering in Electronically Quasi-Zero- Dimensional CuB ₂ O ₄

Acta Crystallographica Section D

Jeyakanthan Jeyaraman	13933	64 (2008) 1012-1019	理研	BL26B1	Observation of a Calcium-Binding Site in the -class Carbonic Anhydrase from <i>Pyrococcus horikoshii</i>
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Applied Physics Letters

Yoshiki Kohmura	14131	94 (2009) 101112	理研	BL19LXU	Formation of X-ray Vortex Dipoles using a Single Diffraction Pattern and Direct Phase Measurement using Interferometry
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Biochemistry

Akihiro Kikuchi	14518	48 (2009) 5276-5283	理研	BL44B2	Crystal Structure of a New Cyan Fluorescent Protein and Its Hue- Shifted Variants
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Chemico-Biological Interactions

Yukuhiko Asada	14435	178 (2009) 117-126	理研	BL26B1	Biochemical and Structural Characterization of a Short-Chain Dehydrogenase/Reductase of <i>Thermus thermophilus</i> HB8: A Hyperthermostable Aldose-1-dehydrogenase with Broad Substrate Specificity
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Journal of Applied Physics

主著者	研究成果番号	雑誌情報	課題番号	ビームライン	タイトル
Yukio Takahashi	14466	105 (2009) 124911	理研	BL29XU	Observation of Electromigration in a Cu Thin Line by <i>in situ</i> Coherent X-ray Diffraction Microscopy

Journal of Physics and Chemistry of Solids

Kenji Ishii	14697	69 (2008) 3118-3124	原研	BL11XU	Momentum-Resolved Charge Excitations in High- T_c Cuprates Studied by Resonant Inelastic X-ray Scattering
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New Journal of Physics

Atsushi Higashiya	14411	10 (2008) 053033	理研	BL19LXU	Significance of the Inter-Site Coulomb Interaction between the O 2p and Cu 3d Holes Revealed by Resonant Inelastic X-ray Scattering of $\text{Sr}_{14}\text{Cu}_{24}\text{O}_{41}$
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Nucleic Acids Research

Juri Hikiba	13642	36 (2008) 4181-4190	理研	BL26B2	Structural and Functional Analyses of the DMC1-M200V Polymorphism Found in the Human Population
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Physical Review Letters

Shuichi Wakimoto	14698	102 (2009) 157001	原研	BL11XU	Charge Excitations in the Stripe-Ordered $\text{La}_{5/3}\text{Sr}_{1/3}\text{NiO}_4$ and $\text{La}_{2-x}(\text{Ba,Sr})_x\text{CuO}_4$ Superconducting Compounds
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Proceedings of the National Academy of Sciences of the United States of America

Congcong Huang	14665	106 (2009) 15214-15218	理研	BL17SU	The Inhomogeneous Structure of Water at Ambient Conditions
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