

最近SPring-8から発表された成果リスト

公益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24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2012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	10	The Journal of Biological Chemistry	4
Journal of the Physical Society of Japan	9	Angewandte Chemie International Edition	3
Japanese Journal of Applied Physics	8	Applied Physics Letters	3
Acta Crystallographica Section F	7	Biochemistry	3
Journal of Applied Physics	6	Journal of the American Chemical Society	3
The Journal of Physical Chemistry B	6	Nucleic Acids Research	3
Journal of Physics: Condensed Matter	5	Polymer	3
Journal of Power Sources	4	Solid State Ionics	3
Macromolecules	4		

他全105誌、計 186報

課題の成果として登録された論文

Journal of the Physical Society of 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
21750	Makina Saitou	81 (2012) 023001	2011A0086	BL09XU	瀬戸 誠	Small and Large Angle Quasi-elastic Scattering Experiments by Using Nuclear Resonant Scattering on Typical and Amphiphilic Liquid Crystals
21752	Makina Saitou	80 (2011) 123001	2009B0086	BL09XU	瀬戸 誠	Improvement of Efficiency of Time-Domain Interferometry Method Using Two Driven Nuclear Absorbers
			2010A0086	BL09XU	瀬戸 誠	
			2010B0086	BL09XU	瀬戸 誠	
			2011A0086	BL09XU	瀬戸 誠	
22285	Kazuaki Iwasa	81 (2012) 113601	2011A1304	BL35XU	岩佐 和晃	Renormalized Motion of Dysprosium Atoms Filling Boron Cages of DyB ₆
			2011B1215	BL35XU	岩佐 和晃	
			2009A1224	BL35XU	岩佐 和晃	
			2007B1328	BL35XU	岩佐 和晃	
22369	Takeshi Yajima	81 (2012) 103706	2011A4902	BL15XU	Tassel Cedric	Superconductivity in BaTi ₂ Sb ₂ O with a <i>d</i> ¹ Square Lattice
			2012A4512	BL15XU	松下 能孝	
22433	Takashi Yamamoto	80 (2011) 123709	2010A1261	BL43IR	山本 貴	Interdimer Charge Disproportionation in <i>Triclinic</i> -EtMe ₃ P[Pd(dmit) ₂] ₂ (dmit: 1,3-Dithiole-2-thione-4,5-dithiolate)
22454	Fumihiko Matsui	81 (2012) 114604	2009A1408	BL25SU	松井 文彦	Photoemission Diffraction and Holographic Reconstruction of Graphite
			2009B1769	BL25SU	松井 文彦	
22473	Satoshi Tsutsui	81 (2012) SB022	2009A1353	BL08W	筒井 智嗣	Magnetic Compton Scattering and Mössbauer Studies of an Itinerant Ferromagnet UFe ₂
22704	Mizuki Tada	82 (2013) 021013	2010A1408	BL37XU	唯 美津木	Hard X-ray Time-Resolved/Space-Resolved X-ray Absorption Fine Structure Analysis for Heterogeneous Metal Catalysis
			2010B1014	BL01B1	岩澤 康裕	
			2010B1017	BL40XU	岩澤 康裕	
			2011A1031	BL01B1	岩澤 康裕	
			2011A1033	BL40XU	岩澤 康裕	
22772	Toyohiko Kinoshita	82 (2013) 021005	2007B2007	BL25SU	木下 豊彦	Observation of Micro-Magnetic Structures by Synchrotron Radiation Photoelectron Emission Microscopy
			2007A1835	BL17SU	新井 邦明	
			2008A1723	BL17SU	新井 邦明	
			2008A1726	BL25SU	新井 邦明	
			2008A2052	BL25SU	木下 豊彦	
			2009A1667	BL17SU	新井 邦明	
			2006B1236	BL25SU	福本 恵紀	
			2007A1117	BL25SU	大谷 義近	
			2007B1739	BL25SU	大谷 義近	
			2008A1298	BL25SU	大谷 義近	
			2009A1755	BL25SU	奥田 太一	
			2009B1415	BL25SU	大河内 拓雄	
			2009B1736	BL25SU	奥田 太一	
			2009B2120	BL25SU	大河内 拓雄	
			2010A1645	BL25SU	菅 滋正	
			2010B1157	BL25SU	大沢 仁志	
			2010B1699	BL25SU	奥田 太一	
			2010B1709	BL25SU	山口 明啓	
			2011A1183	BL25SU	大河内 拓雄	
			2011A1377	BL25SU	大沢 仁志	
2011A1657	BL25SU	山口 明啓				
2011A2056	BL25SU	大河内 拓雄				

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
22195	Yoichi Nii	86 (2012) 125142	2009B1242	BL02B1	有馬 孝尚	Orbital Structures in Spinel Vanadates AV_2O_4 ($A=Fe, Mn$)
			2010A1397	BL02B1	有馬 孝尚	
			2011A1025	BL02B1	有馬 孝尚	
22336	Yuki Utsumi	86 (2012) 115114	2010B4801	BL15XU	佐藤 仁	Electric Structure of Kondo Lattice Compounds $YbNi_3X_9$ ($X = Al, Ga$) Studied by Hard X-ray Spectroscopy
			2011A4803	BL15XU	佐藤 仁	
			2011B4801	BL15XU	佐藤 仁	
			2011B4260	BL12XU	辻井 直人	
			2012A4266	BL12XU	佐藤 仁	
22370	Yanfeng Guo	86 (2012) 054523	2010B4800	BL15XU	小林 啓介	Continuous Critical Temperature Enhancement with Gradual Hydrogen Doping in $LaFeAsO_{0.85}H_x$ ($x = 0-0.85$)
22423	Tetsuo Okane	86 (2012) 125138	2009B3823	BL23SU	岡根 哲夫	Magnetic Behavior Near the Boundary of $4f$ Delocalization in Ferromagnetic $CeRu_2Ge_2$ and Paramagnetic $CeRu_2Si_2$ Observed by $Ce M_{4.5}$ XAS and XMCD
			2010A3823	BL23SU	岡根 哲夫	
			2011A3835	BL23SU	岡根 哲夫	
22472	Satoshi Tsutsui	86 (2012) 195115	2005A0369	BL35XU	筒井 智嗣	Atomic Dynamics of Low-Lying Rare-Earth Guest Modes in Heavy Fermion Filled Skutterudites ROs_4Sb_{12} ($R =$ Light Rare-Earth)
			2005B0127	BL01B1	水牧 仁一朗	
			2006A1039	BL35XU	筒井 智嗣	
			2007A1301	BL35XU	筒井 智嗣	
			2007B2077	BL35XU	筒井 智嗣	
			2008A1058	BL35XU	筒井 智嗣	
			2008B2194	BL39XU	河村 直己	
			2009A1961	BL39XU	河村 直己	
			2009B1126	BL35XU	筒井 智嗣	
			22502	Gaku Eguchi	86 (2012) 184510	
2012A1624	BL47XU	和達 大樹				
22653	Hideaki Sakai	86 (2012) 104407	2010A1552	BL35XU	酒井 英明	Soft Phonon Mode Coupled with Antiferromagnetic Order in Incipient-Ferroelectric Mott Insulators $Sr_{1-x}Ba_xMnO_3$
			2010B1579	BL35XU	酒井 英明	
			2011A1502	BL35XU	酒井 英明	
22678	Takahiro Kondo	86 (2012) 035436	2010B1758	BL27SU	原田 慈久	Atomic-scale Characterization of Nitrogen-doped Graphite: Effects of Dopant Nitrogen on the Local Electronic Structure of the Surrounding Carbon Atoms
22692	Yukio Kajihara	86 (2012) 214202	2008B1062	BL04B2	梶原 行夫	Density Fluctuations at the Continuous Liquid-Liquid Phase Transition in Chalcogen Systems
			2009A1288	BL04B2	梶原 行夫	
			2009B1583	BL04B2	梶原 行夫	
			2010A1325	BL04B2	梶原 行夫	

Japanese Journal of Applied Physics

22246	Akio Ohta	50 (2011) 10PE01	2010A0026	BL46XU	宮崎 誠一	X-ray Photoelectron Spectroscopy Study of Interfacial Reactions between Metal and Ultrathin Ge Oxide
22247	Akio Ohta	50 (2011) 10PH02	2010A0026	BL46XU	宮崎 誠一	Evaluation of Chemical Structure and Resistance Switching Characteristics of Undoped Titanium Oxide and Titanium-Yttrium Mixed Oxide
22362	Feng Gao	51 (2012) 10NC28	2011B1541	BL01B1	山添 誠司	Structural Study of Cu-Deficient $Cu_{2(1-x)}ZnSnSe_4$ Solar Cell Materials by X-ray Diffraction and X-ray Absorption Fine Structure
			2010B1502	BL01B1	山添 誠司	
			2010B1502	BL01B1	山添 誠司	
			2010A1197	BL01B1	山添 誠司	
22364	Feng Gao	51 (2012) 10NC29	2011B1541	BL01B1	山添 誠司	Structural and Optical Properties of In-Free $Cu_2ZnSn(S,Se)_4$ Solar Cell Materials
			2010B1502	BL01B1	山添 誠司	
			2010A1197	BL01B1	山添 誠司	
22522	Shuichi Ogawa	51 (2012) 11PF02	2010B3873	BL23SU	高桑 雄二	Vacuum Annealing Formation of Graphene on Diamond C(111) Surfaces Studied by Real-Time Photoelectron Spectroscopy
			2010B3879	BL23SU	高桑 雄二	
			2011B3871	BL23SU	高桑 雄二	
22524	Takuo Ohkouchi	51 (2012) 128001	2010B1709	BL25SU	山口 明啓	Progress in Time-Resolved Photoemission Electron Microscopy at BL25SU, SPring-8: Radiofrequency Field Excitation of Magnetic Vortex Core Gyration
			2011A1657	BL25SU	山口 明啓	
22537	Yasuhiro Yoneda	51 (2012) 09LE06	2010B1351	BL04B2	米田 安宏	Local Structure Analysis of Bi_2WO_6

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
22540	Yoshio Suzuki	51 (2012) 086701	2009A1344	BL20XU	鈴木 芳生	Gabor Holography with Speckle-Free Spherical Wave in Hard X-ray Region

Acta Crystallographica Section F

18223	Kazuki Kawahara	66 (2010) 1067-1070	2009B1417	BL38B1	中村 昇太	Cloning, Expression, Crystallization and Preliminary X-ray Crystallographic Analysis of a Human Condensin SMC2 Hinge Domain with Short Coiled Coils
20320	Toshiyuki Chatake	67 (2011) 1334-1338	2007A1352	BL38B1	茶竹 俊行	High-resolution X-ray Study of the Effects of Deuteration on Crystal Growth and the Crystal Structure of Proteinase K
21432	Hongyu Xinag	67 (2011) 1649-1652	2011A2031	BL38B1	加藤 悦子	Crystallization and Preliminary X-ray Crystallographic Analysis of a Helicase-like Domain from a Tomato Mosaic Virus Replication Protein
21435	Kouji Nishikawa	66 (2010) 23-25	2008A1464	BL41XU	庄村 康人	Crystallization and Preliminary X-ray Analysis of NADH:rubredoxin Oxidoreductase from <i>Clostridium acetobutylicum</i>
			理研	BL26B1		
22413	Yumi Uchida	68 (2012) 1307-1310	2009B1001	BL41XU	山本 雅貴	Crystallization and Preliminary X-ray Analysis of the FliH-FliI Complex Responsible for Bacterial Flagellar Type III Protein Export
			2009B1031	BL41XU	山本 雅貴	
			2010A1010	BL41XU	山本 雅貴	
			2011A1004	BL41XU	山本 雅貴	
22415	Yoshihiro Fukuda	67 (2011) 692-695	2009A6931	BL44XU	野尻 正樹	Cloning, Expression, Purification, Crystallization and Preliminary X-ray Crystallographic Study of GK0767, the Copper-Containing Nitrite Reductase from <i>Geobacillus kaustophilus</i>
			2010A1921	BL38B1	玉田 太郎	
22538	Masaki Unno	68 (2012) 668-670	2011B6607	BL44XU	海野 昌喜	Crystallization and Preliminary X-ray Crystallographic Analysis of Human Peptidylarginine Deiminase Type III

Journal of Applied Physics

15640	Jose Garitaonandia	105 (2009) 07A907	2006B1536	BL39XU	Garitaonandia Jose	Thiol-capped Ferromagnetic Au Nanoparticles Investigated by Au L_3 X-ray Absorption Spectroscopy
			2008A1701	BL39XU	Garitaonandia Jose	
21629	Norihiko Okamoto	100 (2006) 073504	2003B0701	BL02B2	乾 晴行	Crystal Structure and Thermoelectric Properties of Type-I Clathrate Compounds in the Ba-Ga-Ge System
21631	Jung-Hwan Kim	102 (2007) 034510	2006B1325	BL02B2	乾 晴行	Thermoelectric Properties and Crystal Structure of Type-III Clathrate Compounds in the Ba-Al-Ge System
21632	Jung-Hwan Kim	102 (2007) 094506	2006B1325	BL02B2	乾 晴行	Crystal Structure and Thermoelectric Properties of Type-III Clathrate Compounds in the Ba-In-Ge System
			2007A2076	BL02B2	金正煥	
22189	Yongtao Zou	112 (2012) 014910	2011B0082	BL04B1	入船 徹男	Elasticity and Sound Velocities of Polycrystalline $Mg_3Al_2(SiO_4)_3$ Garnet up to 20 Gpa and 1700 K
			2011A0082	BL04B1	入船 徹男	
22703	Christian Papp	112 (2012) 114501	2008A4906	BL15XU	Fadley Charles	No destructive Characterization of TiN Metal Gate: Chemical and Structural Properties by Means of Standing-Wave Hard X-ray Photoemission Spectroscopy

The Journal of Physical Chemistry B

22282	Viktória Mile	116 (2012) 9758-9767	2007B1273	BL04B2	Pusztai Laszlo	On the Structure of Aqueous Cesium Fluoride and Cesium Iodide Solutions: Diffraction Experiments, Molecular Dynamics Simulations, and Reverse Monte Carlo Modeling
22350	Ken Terao	116 (2012) 12714-12720	2007A1034	BL40B2	寺尾 憲	Side-Chain-Dependent Helical Conformation of Amylose Alkylbamates: Amylose Tris(ethylcarbamate) and Amylose Tris(<i>n</i> -hexylcarbamate)
			2007B1296	BL40B2	寺尾 憲	
			2008A1313	BL40B2	寺尾 憲	
			2009A1049	BL40B2	寺尾 憲	
22482	Takanori Takiue	116 (2012) 13739-13748	2010A1190	BL37XU	瀧上 隆智	Multilayer Formation of the Fluoroalkanol- ω -Hydrogenated Fluorocarbon Mixture at the Hexane/Water Interface Studied by Interfacial Tensiometry and X-ray Reflection
			2011A1202	BL37XU	瀧上 隆智	
			2012A1203	BL37XU	瀧上 隆智	

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
22550	Orsolya Gereben	116 (2012) 9114-9121	2008B1073	BL04B2	Pusztai Laszlo	Molecular Conformations and the Liquid Structure in Bis(methylthio)methane and Diethyl Sulfide: Diffraction Experiments vs Molecular Dynamics Simulations
22664	Yusuke Sanada	116 (2012) 8241-8250	2009A0012	BL40B2	櫻井 和朗	Composition Dependence of the Micellar Architecture Made from Poly(ethylene glycol)- <i>block</i> -Poly(partially benzyl-esterified aspartic acid)
			2009B1397	BL40B2	櫻井 和朗	
			2010A1089	BL40B2	櫻井 和朗	
			2010B1726	BL40B2	櫻井 和朗	
22745	Shoichi Kutsumizu	113 (2009) 640-646	2005B0383	BL45XU	櫻井 伸一	Smectic C to Cubic Phase Transition of 4'- <i>n</i> -docosyloxy-3'-nitrophenyl- 4-carboxylic Acid and AC Electric Field Effect
			2003B0417	BL45XU	櫻井 伸一	
			2004A0392	BL45XU	櫻井 伸一	
			2004B0144	BL45XU	櫻井 伸一	

Journal of Physics: Condensed Matter

22645	Hisao Kobayashi	25 (2013) 022201	2009A1305	BL09XU	小林 寿夫	Observation of a Pressure-Induced As-As Hybridization Associated with a Change in the Electronic State of Fe in the Tetragonal Phase of EuFe ₂ As ₂
			2009B1408	BL09XU	小林 寿夫	
22689	Yohko Yano	24 (2012) 503101	2007B1091	BL37XU	矢野 陽子	Kinetics of Protein Unfolding at Interfaces
			2008A1197	BL37XU	矢野 陽子	
			2009A1686	BL37XU	矢野 陽子	
			2009B1308	BL37XU	矢野 陽子	
22691	Roberto Boada	25 (2013) 035604	2008B1753	BL39XU	Boada Roberto	Competing Effects in the Magnetic Polarization of Non-Magnetic Atoms
22698	Sergey Suturin	25 (2013) 046002	2011A1984	BL25SU	Sokolov Nikolai	Proximity Effects and Exchange Bias in Co/MnF ₂ (111) Heterostructures Studied by X-ray Magnetic Circular Dichroism

Journal of Power Sources

21687	Yueming Zheng	208 (2012) 447-451	2010A1742	BL14B2	菅野 了次	High-capacity Phase Formation by Surface Modification of Li ₃ PO ₄ on Nanosized Li ₂ RuO ₃ Electrode for Lithium Batteries
			2011A1866	BL46XU	菅野 了次	
22358	Kazuhiko Mukai	224 (2013) 230-235	2011A1854	BL19B2	岸田 佳大	Thermal Expansion in Lithium Manganese Oxide Spinel Li[L _x Mn _{2-x}]O ₄ with 0 ≤ x ≤ 1/3
22542	Hideharu Niwa	223 (2013) 30-35	2008B1177	BL27SU	原田 慈久	Probing Carbon Edge Exposure of Iron Phthalocyanine-Based Oxygen Reduction Catalysts by Soft X-ray Absorption Spectroscopy
			2009A1008	BL27SU	尾嶋 正治	
22612	Yoshinori Arachi	196 (2011) 6939-6942	2009B1037	BL02B2	荒地 良典	Changes in Electronic Structure of Li _{2-x} CuO ₂
			2010B1968	BL14B2	荒地 良典	

Macromolecules

22208	Isamu Akiba	45 (2012) 6150-6157	2010B1367	BL40B2	秋葉 勇	Anomalous Small-Angle X-ray Scattering Study of Structure of Polymer Micelles Having Bromines in Hydrophobic Core
			2010B1051	BL40B2	秋葉 勇	
			2011A1431	BL40B2	秋葉 勇	
			2010A1089	BL40B2	櫻井 和朗	
22649	Yuan Yuan	44 (2011) 9341-9350	2011A1279	BL40B2	Zhang Jianming	Polymorphism and Structural Transition around 54°C in Regioregular Poly(3-hexylthiophene) with High Crystallinity As Revealed by Infrared Spectroscopy
22712	Shinichi Sakurai	42 (2009) 2115-2121	2005B0383	BL45XU	櫻井 伸一	Spontaneous Perpendicular Orientation of Cylindrical Microdomains in a Block Copolymer Thick Film
22726	Wonchalem Rungswang	44 (2011) 9276-9285	2009A1153	BL45XU	櫻井 伸一	Directing Thermoplastic Elastomer Microdomain Parallel to Fiber Axis: A Model Case of SEBS with Benzoxazine through π-π Stacking

Applied Physics Letters

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
22312	Yasushi Kagoshima	101 (2012) 163102	2009B3200	BL24XU	籠島 靖	Inclined-Incidence Quasi-Fresnel Lens for Prefocusing of Synchrotron Radiation X-ray Beams
			2010B3200	BL24XU	籠島 靖	
22695	Albert Greer	101 (2012) 202402	2010A4902	BL15XU	Fadley Charles	Observation of Boron Diffusion in an Annealed Ta/CoFeB/MgO Magnetic Tunnel Junction with Standing-Wave Hard X-ray Photoemission
			2010B4900	BL15XU	Panaccione Giancarlo	
			2011A4606	BL15XU	小林 啓介	
22650	Mohammad Ghafari	101 (2012) 243104	2011A1316	BL08W	Kamali- Moghaddam Saeed	Evidence of Itinerant Magnetism in a Metallic Nanoglass

Biochemistry

22280	Daigo Shiga	51 (2012) 7901-7907	2011B1238	BL01B1	田中 俊樹	Creation of a Binuclear Purple Copper Site within a <i>de novo</i> Coiled-Coil Protein
22471	Yoshiteru Yamada	51 (2012) 3963-3970	2009B1547	BL40XU	山田 好輝	A Compact Intermediate State of Calmodulin in the Process of Target Binding
			2010B2031	BL40XU	岩本 裕之	
			2011B2081	BL40XU	岩本 裕之	
22637	Yugo Hayashi	51 (2012) 8608-8616	2011A1204	BL38B1	長尾 聡	Domain Swapping of the Heme and N-Terminal α -Helix in <i>Hydrogenobacter thermophilus</i> Cytochrome <i>c</i> ₅₅₂ Dimer
			2011B1086	BL38B1	長尾 聡	
			2010B1041	BL38B1	廣田 俊	

Journal of the American Chemical Society

22667	Jun-ichi Nishigaki	134 (2012) 14295-14297	2011B1541	BL01B1	山添 誠司	A New Binding Motif of Sterically Demanding Thiolates on a Gold Cluster
			2011A1970	BL14B2	一國 伸之	
22687	Takuji Hatakeyama	134 (2012) 19600-19603	2009B1785	BL19B2	畠山 琢次	Azaboradibenzo[6]helicene: Carrier Inversion Induced by Helical Homochirality
			2010A1721	BL19B2	畠山 琢次	
22770	Takuji Hatakeyama	134 (2012) 20262-20265	2011B1418	BL27SU	高谷 光	Iron-Catalyzed Aromatic Amination for Nonsymmetrical Triarylamine Synthesis
			2012A1636	BL27SU	高谷 光	
			2011B1945	BL14B2	高谷 光	
			2012A1595	BL14B2	高谷 光	

Nucleic Acids Research

19224	Osamu Nureki	38 (2010) 7286-7297	2010A1086	BL41XU	瀧木 理	Structure of an Archaeal Non-discriminating Glutamyl-tRNA Synthetase: a Missing Link in the Evolution of Gln-tRNA ^{Gln} Formation
21313	Tatsuhiko Someya	40 (2012) 1856-1867	2008B1506	BL38B1	染谷 龍彦	Crystal Structure of Hfq from <i>Bacillus subtilis</i> in Complex with SELEX-derived RNA Aptamer: Insight into RNA-binding Properties of Bacterial Hfq
			2011A2043	BL38B1	馬場 清喜	
22527	Akira Hirata	40 (2012) 10554-10566	2012A1098	BL38B1	平田 章	X-ray Structure of the Fourth Type of Archaeal tRNA Splicing Endonuclease: Insights into the Evolution of a Novel Three-Unit Composition and a Unique Loop Involved in Broad Substrate Specificity

Polymer

22707	Shinichi Sakurai	50 (2009) 1566-1576	2007B1218	BL40B2	櫻井 伸一	Ultra Small-Angle X-ray Scattering Studies on Structural Changes in Micrometers Upon Uniaxial Stretching of Segmented Polyurethaneureas
			2005A0690	BL45XU	竹中 幹人	
22713	Shinichi Sakurai	49 (2008) 2781-2796	2007B1281	BL40B2	櫻井 伸一	Progress in Control of Microdomain Orientation in Block Copolymers – Efficiencies of Various External Fields
			2006A1090	BL40B2	櫻井 伸一	
			2005B0245	BL40B2	櫻井 伸一	
			2005B0383	BL45XU	櫻井 伸一	
22725	Wonchalern Rungswang	52 (2011) 844-853	2009A1153	BL45XU	櫻井 伸一	Existence of Microdomain Orientation in Thermoplastic Elastomer through a Case Study of SEBS Electrospun Fibers

Solid State Ionics

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
22309	Kiyoshi Kobayashi	225 (2012) 443-447	2010A4503	BL15XU	小林 清	Electrical Conductivity and X-ray Diffraction Analysis of Oxyapatite-Type Lanthanum Silicate and Neodymium Silicate Solid Solution
22375	Hironori Kobayashi	225 (2012) 580-584	2010B1023	BL19B2	鹿野 昌弘	Study on Li De-Intercalation/Intercalation Mechanism for a High Capacity Layered $\text{Li}_{1.20}\text{Ni}_{0.17}\text{Co}_{0.10}\text{Mn}_{0.53}\text{O}_2$ Materials
			2009B1776	BL02B2	荒地 良典	
22647	Yoshinori Arachi	176 (2005) 895-903	2001B0484	BL01B1	荒地 良典	Li De-Intercalation Mechanism in $\text{LiNi}_{0.5}\text{Mn}_{0.5}\text{O}_2$ Cathode Material for Li-Ion Batteries
			2002A0370	BL02B2	小林 弘典	
			2003A0062	BL02B2	小林 弘典	

Angewandte Chemie International Edition

21886	Takui Hatakeyama	51 (2012) 8834-8837	2011B1945	BL14B2	高谷 光	Iron-Catalyzed Alkyl-Alkyl Suzuki-Miyaura Coupling
			2009B1783	BL14B2	畠山 琢次	
			2009A1848	BL14B2	畠山 琢次	
			2012A1595	BL14B2	高谷 光	
22293	Takahiro Saida	51 (2012) 10311-10314	2011A1537	BL47XU	唯 美津木	4D Visualization of a Cathode Catalyst Layer in a Polymer Electrolyte Fuel Cell by 3D Laminography-XAFS
			2011B1015	BL01B1	横山 利彦	

Bulletin of the Chemical Society of Japan

22489	Kojirou Fuku	84 (2011) 979-981	2010A1540	BL01B1	森 浩亮	Highly-Efficient Thermal Decomposition of Volatile Organic Compound by Pt/CeO ₂ /ZSM-5
22495	Shusuke Okada	85 (2012) 1057-1059	2011B1107	BL01B1	森 浩亮	Hydrogenation of Phenol Using Silica Supported Pd and PdAu Catalysts in the presence of H ₂ and O ₂

Chemical Communications

22388	Ryosuke Kotani	48 (2012) 11316-11318	2012A1207	BL02B2	近藤 篤	Gate Adsorption of CO ₂ on a Flexible One-Dimensional Copper-Based Coordination Polymer Crystal
22493	Kohsuke Mori	48 (2012) 8886-8888	2011B1107	BL01B1	森 浩亮	Unexpected Pd-catalyzed Hydrogenation of Phenol into 2-Cyclohexene-1-one: Enhanced Activity and Selectivity Assisted by Molecular Oxygen

ChemSusChem

22514	Takashi Kudo	5 (2012) 2271-2277	2010B1469	BL02B2	加納 博文	Diffusion-Barrier-Free Porous Carbon Monoliths as a New Form of Activated Carbon
22598	Tamao Ishida	5 (2012) 2243-2248	2009B1007	BL14B2	春田 正毅	Base-Free Direct Oxidation of 1-Octanol to Octanoic Acid and its Octyl Ester over Supported Gold Catalysts

Dalton Transactions

22342	Satoshi Nagao	41 (2012) 11378-11385	2011A1204	BL38B1	長尾 聡	Structural and Oxygen Binding Properties of Dimeric Horse Myoglobin
			2011B1086	BL38B1	長尾 聡	
22451	Atsushi Ikeda-Ohno	41 (2012) 7190-7192	2009A3504	BL11XU	池田 篤史	Dinuclear Complexes of Tetravalent Cerium in an Aqueous Perchloric Acid Solution

e-Journal of Surface Science and Nanotechnology

21482	Tomohiro Matsushita	9 (2011) 153-157	2005A0445	BL25SU	松下 智裕	Reconstruction Algorithm for Atomic Resolution Holography
			2006B1019	BL25SU	松下 智裕	
			2007A1278	BL25SU	松下 智裕	
			2005B0726	BL25SU	松井 文彦	
22442	Masaichiro Mizumaki	10 (2012) 575-577	2008B1222	BL27SU	水牧 仁一朗	X-Ray Spectroscopic Studies of A-Site Ordered Perovskite $\text{LaMn}_3\text{B}_4\text{O}_{12}$ (B=V, Cr)
			2009B1017	BL27SU	島川 祐一	
			2009B1210	BL27SU	水牧 仁一朗	

Fuel

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
22402	Hiroyuki Akiho	89 (2010) 2490-2495	2006A5352	BL16B2	山本 融	Effect of Oxidizing Agents on Selenate Formation in a Wet FGD
			2006B5351	BL16B2	栢原 義久	
			2007A5351	BL16B2	栢原 義久	
			2007B5350	BL16B2	栢原 義久	
22403	Hiroyuki Akiho	102 (2012) 156-161	2005B5352	BL16B2	栢原 義久	Speciation and Oxidation Reaction Analysis of Selenium in Aqueous Solution using X-ray Absorption Spectroscopy for Management of Trace Element in FGD Liquor
			2006A5352	BL16B2	山本 融	
			2006B5351	BL16B2	栢原 義久	
			2007A5351	BL16B2	栢原 義久	
			2007B5350	BL16B2	栢原 義久	
2008A5350	BL16B2	栢原 義久				

IOP Conference Series: Materials Science and Engineering

21741	Hideyuki Yasuda	33 (2012) 012053	2009B0014	BL20B2	安田 秀幸	Macroscopic Modelling of Semisolid Deformation for Considering Segregation Bands Induced by Shear Deformation
			2009A0014	BL20B2	安田 秀幸	
			2010A1420	BL20B2	柳楽 知也	
			2010B1242	BL20B2	柳楽 知也	
			2011A1209	BL20B2	Gourlay Christopher	
22715	Shinichi Sakurai	14 (2010) 012004	2007B1281	BL40B2	櫻井 伸一	Spontaneous Perpendicular Orientation of Cylindrical Microdomains in a Thick Film of Block Copolymers
			2009A1742	BL40B2	櫻井 伸一	

The Journal of Biological Chemistry

22559	Yusuke Sato	287 (2012) 25860-25868	2011B1170	BL41XU	深井 周也	Molecular Basis of Lys-63-linked Polyubiquitination Inhibition by the Interaction between Human Deubiquitinating Enzyme OTUB1 and Ubiquitin-conjugating Enzyme UBC13
			2011A1052	BL41XU	深井 周也	
			2011B1160	BL41XU	深井 周也	
			2011B1237	BL41XU	山形 敦史	
			2010B1978	BL41XU	山形 敦史	
			2010B1977	BL32XU	深井 周也	
22603	Umeharu Ohto	287 (2012) 40611-40617	2011A1912	BL41XU	大戸 梅治	Structural Analyses of Human Toll-like Receptor 4 Polymorphisms D299G and T399I
			理研	BL32XU		

Journal of Molecular Biology

22103	Keiko Kubota	422 (2012) 366-375	2011B1237	BL41XU	山形 敦史	Get1 Stabilizes an Open Dimer Conformation of Get3 ATPase by Binding Two Distinct Interfaces
			2010B1978	BL41XU	山形 敦史	
			2009B1287	BL41XU	山形 敦史	
			2009A1267	BL41XU	山形 敦史	
			2009A1167	BL41XU	山形 敦史	
			2008B1329	BL41XU	山形 敦史	
			2011A1396	BL32XU	山形 敦史	
			2011B1170	BL41XU	深井 周也	
			2011A1052	BL41XU	深井 周也	
			2010B1977	BL32XU	深井 周也	
			2010A1939	BL41XU	深井 周也	
			2010A1904	BL41XU	深井 周也	
			2009A1202	BL41XU	深井 周也	
			2008B1497	BL41XU	深井 周也	
2008A1971	BL41XU	深井 周也				
22414	Yoshinari Shoyama	423 (2012) 96-105	2004A0827	BL41XU	黒木 良太	Structure and Function of Δ 1-Tetrahydrocannabinolic Acid (THCA) Synthase, the Enzyme Controlling the Psychoactivity of <i>Cannabis sativa</i>
			2004B0132	BL38B1	森元 聡	
			2005A0376	BL41XU	森元 聡	

The Journal of Physical Chemistry C

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
22494	Kohsuke Mori	16 (2012) 18873-18877	2011B1107	BL01B1	森 浩亮	Intercalation of Pt(II) Terpyridine Complexes into Layered $K_4Nb_6O_{17}$ and Visible-Light-Driven Photocatalytic Production of H_2
22688	Ken-ichi Saitow	116 (2012) 17252-17258	2008A1655	BL40B2	矢野 陽子	Fractal of Gold Nanoparticles Controlled by Ambient Dielectricity: Synthesis by Laser Ablation as a Function of Permittivity

Journal of Physics: Conference Series

22706	Satoshi Tsutsui	391 (2012) 012074	2005A0369	BL35XU	筒井 智嗣	Inelastic X-ray Scattering of Heavy Fermion Compounds RO_4Sb_{12} (<i>R</i> : Light Rare-Earth)
			2006A1039	BL35XU	筒井 智嗣	
			2007A1301	BL35XU	筒井 智嗣	
			2007B2077	BL35XU	筒井 智嗣	
			2008A1058	BL35XU	筒井 智嗣	
22755	Junichi Yamaura	391 (2012) 012112	2009B1200	BL02B1	大隅 寛幸	Phase Transition and Magnetic Structure of Pyrochlore Oxide $Cd_2Os_2O_7$
			理研	BL19LXU		
			2011A1128	BL09XU	山浦 淳一	

Journal of Solid State Chemistry

22270	Alexei Belik	195 (2012) 32-40	2009A1136	BL02B2	Belik Alexei	Polar and Nonpolar Phases of $BiMO_3$: A Review
22368	C. I. Sathish	196 (2012) 579-585	2010B4800	BL15XU	小林 啓介	Superconducting and Structural Properties of δ - $MoC_{0.681}$ Cubic Molybdenum Carbide Phase

Journal of Synchrotron Radiation

21622	Umeharu Ohto	15 (2008) 262-265	2006B1687	BL38B1	大戸 梅治	Crystal Twinning of Human MD-2 Protein Recognizing Endotoxin Cores of Lipopolysaccharide
			2006A1578	BL38B1	大戸 梅治	
22660	Taiki Hoshino	19 (2012) 988-993	2012A1025	BL19B2	高原 淳	X-ray Photon Correlation Spectroscopy Using a Fast Pixel Array Detector with a Grid Mask Resolution Enhancer
			理研	BL19LXU		

Journal of the Ceramic Society of Japan

21675	Yuichi Masuda	119 (2011) 850-854	2009B1356	BL01B1	細川 三郎	Combustion Activities of the Ru Catalysts Supported on Hexagonal $YbFeO_3$
22539	Toru Wakihara	120 (2012) 341-343	2011A1292	BL04B2	脇原 徹	Preparation of Nano-Zeolite X by Bead-Milling and Post-Milling Recrystallization

Protein Science

22416	Nobuo Okazaki	21 (2012) 539-552	2000B0289	BL41XU	黒木 良太	Substrate Recognition Mechanism of a Glycosyltrehalose Trehalohydrolase from <i>Sulfolobus solfataricus</i> KM1
			2001A0544	BL41XU	黒木 良太	
22563	Taro Masuda	21 (2012) 786-796	2011B1327	BL38B1	増田 太郎	The Extension Peptide Contributes to Phytoferritin Shell Stability and Surface Hydrophobicity

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

22599	Hiroaki Nishikawa	43 (2012) 285-292	2010A1001	BL14B2	春田 正毅	State Analysis of Au Nanoparticles Supported on NiO
			2010B1006	BL14B2	春田 正毅	
			2011A1003	BL14B2	春田 正毅	
			2011B1001	BL14B2	春田 正毅	
22600	Daisuke Kawamoto	43 (2012) 293-302	2011A1003	BL14B2	春田 正毅	Characterization of Gold Nanoparticles Supported on Metal Oxides by X-Ray Absorption Spectroscopy and ^{197}Au Mössbauer Spectroscopy: Detection of Gold Alloy
			2011B1001	BL14B2	春田 正毅	

ACS Macro Letters

22521	Ken Terao	1 (2012) 1291-1294	2010B1126	BL40B2	寺尾 憲	Rigid Cyclic Polymer in Solution: Cycloamylose Tris(phenylcarbamate) in 1,4-Dioxane and 2-Ethoxyethanol
			2011A1049	BL40B2	寺尾 憲	

Acta Crystallographica Section D

研究成果番号	著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
22652	Shunsuke Fukakusa	68 (2012) 1418-1429	2011B1259	BL38B1	中村 昇太	Structure of the CFA/III Major Pilin Subunit CofA from Human Enterotoxigenic <i>Escherichia coli</i> Determined at 0.90 Å Resolution by Sulfur-SAD Phasing

Acta Materialia

21630	Norihiko Okamoto	54 (2006) 5519-5528	2003B0701	BL02B2	乾 晴行	Splitting of Guest Atom Sites and Lattice Thermal Conductivity of Type-I and Type-III Clathrate Compounds in the Ba-Ga-Ge System
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Advances in X-Ray Analysis

21701	Yoshiaki Akinawa	52 (2009) 493-500	2007B1372	BL02B1	秋庭 義明	Effect of Residual Stresses on Fatigue Strength of Severely Surface Deformed Steels by Shot Peening
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Biochemical Journal

22256	Satoshi Kume	446 (2012) 279-289	2008A1657	BL40B2	乾 隆	Systematic Interaction Analysis of Human Lipocalin-Type Prostaglandin D Synthase with Small Lipophilic Ligands
			2008B1784	BL40B2	乾 隆	
			2009A1695	BL40B2	乾 隆	
			2010A1603	BL40B2	宮本 優也	

Biochimica et Biophysica Acta - Biomembranes

22589	Shinichi Mochizuki	1828 (2013) 412-418	2010A1089	BL40B2	櫻井 和朗	The Role of the Helper Lipid Dioleoylphosphatidylethanolamine (DOPE) for DNA Transfection Cooperating with a Cationic Lipid Bearing Ethylenediamine
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Biochimica et Biophysica Acta - Molecular Cell Research

22287	Chikashi Toyoshima	1793 (2009) 941-946	2006B0013	BL41XU	豊島 近	How Ca ²⁺ -ATPase Pumps Ions across the Sarcoplasmic Reticulum Membrane
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Biomaterials

22696	Peng Mi	34 (2013) 492-500	2012A1706	BL37XU	Cabral Horacio	Gd-DTPA-Loaded Polymer-Metal Complex Micelles with High Relaxivity for MR Cancer Imaging
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Carbohydrate Polymers

16111	Kayoko Kobayashi	79 (2010) 882-889	2007B1591	BL38B1	木村 聡	Crystal Transition between Hydrate and Anhydrous β -chitin Monitored by Synchrotron X-ray Fiber Diffraction
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Chemistry - A European Journal

22491	Kohsuke Mori	18 (2012) 415-418	2010A1540	BL01B1	森 浩亮	Photoluminescence Emission and Photoinduced Hydrogen Production Driven by Pt ^{II} Pyridyl Complexes Anchored onto Mesoporous Silica
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Chemistry - An Asian Journal

22310	Ichiro Hisaki	7 (2012) 2607-2614	2012A1330	BL38B1	久木 一朗	Crystal Structure of Quinine: The Effects of Vinyl and Methoxy Groups on Molecular Assemblies of Cinchona Alkaloids Cannot Be Ignored
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Chemistry Letters

22464	Hajime Shigemitsu	41 (2012) 1535-1537	2010B1370	BL38B1	久木 一朗	Guest-dependent Structural Transformation of Dehydrobenzoannulene Inclusion Crystals Composed of π-Stacked Parallelogram Columnar Motifs
			2011A1341	BL38B1	久木 一朗	
			2011B1587	BL38B1	久木 一朗	

Chemistry of Materials

22481	Masatomo Yashima	24 (2012) 4100-4113	2011A1442	BL02B2	八島 正知	Role of Ga ³⁺ and Cu ²⁺ in the High Interstitial Oxide-Ion Diffusivity of Pr ₂ NiO ₄ -Based Oxides: Design Concept of Interstitial Ion Conductors through the Higher-Valence d ¹⁰ Dopant and Jahn-Teller Effect
			2011B1995	BL02B2	八島 正知	
			2012A1415	BL02B2	八島 正知	

Crystal Growth and Design

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
22762	Kotaro Fujii	12 (2012) 6165-6172	2007B1836	BL19B2	寺田 勝英	Mechanism of Dehydration-Hydration Processes of Lisinopril Dihydrate Investigated by ab Initio Powder X-ray Diffraction Analysis
			2008A1932	BL19B2	寺田 勝英	

Current Applied Physics

22665	Takayoshi Shimura	12 (2012) S69-S74	2008B1453	BL20B2	志村 考功	Synchrotron X-ray Topography of Supercritical-Thickness Strained Silicon-on-Insulator Wafers for Crystalline Quality Evaluation and Electrical Characterization Using Back-gate Transistors
			2009B1490	BL20B2	志村 考功	
			2011A1253	BL20B2	志村 考功	

Earth and Planetary Science Letters

22260	Yuki Kudo	349-350 (2012) 1-7	2010A0087	BL10XU	廣瀬 敬	Sound Velocity Measurements of CaSiO ₃ Perovskite to 133 GPa and Implications for Lowermost Mantle Seismic Anomalies
			2010B0087	BL10XU	廣瀬 敬	
			2011A0087	BL10XU	廣瀬 敬	

ECS Transactions

22610	Yoshinori Arachi	41 (2012) 1-7	2010B1899	BL19B2	荒地 良典	Effect of CuO on the Electrochemical Activity of Li ₂ MnO ₃
			2010B1968	BL14B2	荒地 良典	

Electrochemistry

22609	Yoshinori Arachi	80 (2012) 829-833	2007A1702	BL02B2	荒地 良典	Ion Distributions and the Electrochemical Properties of LiNi _{0.5} Mn _{0.5} O ₂ Prepared by Ion-Exchange for Positive Electrode
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EuroPhysics Letters

20561	Takayoshi Ito	84 (2008) 026002	2005B0971	BL02B1	池田 直	Temperature and Electric-current Dependence of Charge-ordered Domains in θ -(BEDT-TTF) ₂ CsZn(SCN) ₄
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FEBS Letters

22474	Satoshi Yamashita	586 (2012) 2404-2410	2011A1873	BL26B1	吉田 裕美	Carbohydrate Recognition Mechanism of HA70 from <i>Clostridium botulinum</i> Deduced from X-ray Structures in Complexes with Sialylated Oligosaccharides
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Ferroelectrics

22771	David Ellis	441 (2012) 42-47	理研	BL44B2		Growth and Characterization of EuTiO ₃ Crystals
			2012A1362	BL35XU	Ellis David	

Geophysical Research Letters

22756	Yoshio Kono	39 (2012) L24306	2007B1648	BL04B1	河野 義生	Sound Velocities of MORB and Absence of a Basaltic Layer in the Mantle Transition Region
			2008B1245	BL04B1	入船 徹男	

Gold Bulletin

22594	Kazu Okumura	45 (2012) 83-90	2012A1089	BL01B1	奥村 和	Formation of Nanometer-sized Au Particles on USY Zeolites under Hydrogen Atmosphere
			2011B1095	BL01B1	奥村 和	

High Pressure Research

18538	Kenichi Funakoshi	30 (2010) 60-64	2003A0688	BL04B1	舟越 賢一	<i>In situ</i> Viscosity Measurements of Liquid Fe-S Alloys at High Pressures
			2006B1276	BL04B1	大高 理	
			2008B2212	BL04B1	舟越 賢一	

IEICE Transactions on Electronics

22499	Ichir Hirose	E95-C (2012) 1749-1751	2007A1263	BL19B2	廣沢 一郎	Orientation of Crystalline and Non-crystalline PMDA-ODA Polymers at Rubbet Film Surface
			2007A1859	BL19B2	廣沢 一郎	
			2008A1860	BL19B2	廣沢 一郎	
			2008B1870	BL19B2	廣沢 一郎	

Industrial & Engineering Chemistry Research

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
22765	Duangta Tongsakul	51 (2012) 16182-16187	2011A1607	BL01B1	西村 俊	Hydrotalcite-Supported Platinum Nanoparticles Prepared by a Green Synthesis Method for Selective Oxidation of Glycerol in Water Using Molecular Oxygen

Inorganic Chemistry

22699	Kazuya Kubo	50 (2011) 9337-9344	2010A1261	BL43IR	山本 貴	Electronic State of a Conducting Single Molecule Magnet Based on Mn-salen Type and Ni-Dithiolen
			2009B1542	BL43IR	山本 貴	

Journal of Applied Crystallography

22741	Hiroshi Okuda	45 (2012) 119-121	2012B1083	BL40XU	櫻井 伸一	Contrast Matching of an Si Substrate with Polymer Films by Anomalous Dispersion at the Si K Absorption Edge
			2010A1636	BL40B2	櫻井 伸一	
			2009A1573	BL40B2	櫻井 伸一	
			2008B1515	BL40B2	櫻井 伸一	
			2007B1218	BL40B2	櫻井 伸一	
			2011A7297	BL03XU	奥田 浩司	

The Journal of Chemical Physics

22754	Emiko Sugimura	137 (2012) 194505	2010B0087	BL10XU	廣瀬 敬	Experimental Evidence of Superionic Conduction in H ₂ O Ice
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Journal of Electron Spectroscopy and Related Phenomena

22541	Toyohiko Kinoshita	185 (2012) 389-394	2006B1236	BL25SU	福本 恵紀	Status of Pump-Probe Time-Resolved Photoemission Electron Microscopy at SPring-8
			2007A1117	BL25SU	大谷 義近	
			2007B1739	BL25SU	大谷 義近	
			2008A1298	BL25SU	大谷 義近	
			2009A1755	BL25SU	奥田 太一	
			2009B1415	BL25SU	大河内 拓雄	
			2009B1736	BL25SU	奥田 太一	
			2009B2120	BL25SU	大河内 拓雄	
			2010A1645	BL25SU	菅 滋正	
			2010B1157	BL25SU	大沢 仁志	
			2010B1699	BL25SU	奥田 太一	
			2010B1709	BL25SU	山口 明啓	
			2011A1183	BL25SU	大河内 拓雄	
			2011A1377	BL25SU	大沢 仁志	
			2011A1657	BL25SU	山口 明啓	
			2011A2056	BL25SU	大河内 拓雄	
			2007A1317	BL39XU	大沢 仁志	
			2007B1641	BL39XU	大沢 仁志	
2009B1558	BL39XU	大沢 仁志				
2010A1318	BL37XU	大沢 仁志				
2010B1411	BL37XU	大沢 仁志				

Journal of Materials Chemistry

22492	Kojirou Fuku	22 (2012) 16243-16247	2011B1107	BL01B1	森 浩亮	Enhanced Hydrogenation Activity of Nano-sized Pd-Ni Bimetal Particles on Ti-containing Mesoporous Silica Prepared by Photo-assisted Deposition Method
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Journal of Medicinal Chemistry

22646	Naoyuki Kuwabara	55 (2012) 893-902	2010B1156	BL38B1	大山 拓次	Peroxisome Proliferator-Activated Receptors (PPARs) Have Multiple Binding Points That Accommodate Ligands in Various Conformations: Phenylpropanoic Acid-Type PPAR Ligands Bind to PPAR in Different Conformations, Depending on the Subtype
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Journal of the American Ceramic Society

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
22496	Yasushi Idemoto	95 (2012) 3906-3911	2008B2060	BL19B2	伊藤 孝憲	Crystal and Electronic Structure Analyses on Bi ₂ SiO ₅ -Added SrBi ₂ (Ta _{1-x} Nb _x) ₂ O ₉ by Using Pulsed Neutron and Synchrotron X-Ray Sources

Materials Characterization

22327	Masakazu Kobayashi	69 (2012) 52-62	2009A1154	BL20XU	小林 正和	Three-Dimensional Evaluation of the Compression and Recovery Behavior in a Flexible Graphite Sheet by Synchrotron Radiation Microtomography
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Materials Chemistry and Physics

22588	Hideki Hashimoto	137 (2012) 571-575	2007A1883	BL04B2	田辺 潔	Amorphous Structure of Iron Oxide of Bacterial Origin
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Materials Research Bulletin

22529	László Temleitner	47 (2012) 4409-4413	2011A1113	BL04B2	Pusztai Laszlo	Microscopic and Mesoscopic Structural Features of an Activated Carbon Sample, Prepared from Sorghum via Activation by Phosphoric Acid
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Materials Science Forum

22663	Takayoshi Shimura	725 (2012) 153-156	2009A1313	BL28B2	志村 考功	Analysis of Lattice Distortion in Multicrystalline Silicon for Photovoltaic Cells by Synchrotron Ehte X-ray Microbeam Diffraction
			2010A1191	BL28B2	志村 考功	
			2010B1316	BL28B2	志村 考功	
			2011A1253	BL20B2	志村 考功	

Nature

21440	Motohiko Murakami	485 (2012) 90-94	2008B0099	BL10XU	廣瀬 敬	A Perovskitic Lower Mantle Inferred from High-Pressure, High-Temperature Sound Velocity Data
			2009A0087	BL10XU	廣瀬 敬	

Nature Communications

22218	Daishi Fujita	3 (2012) 1093	2010B1423	BL38B1	佐藤 宗太	Protein Encapsulation within Synthetic Molecular Hosts
			2011A1102	BL38B1	佐藤 宗太	
			2011A1992	BL38B1	佐藤 宗太	
			2011A1933	BL26B2	佐藤 宗太	
			2011B0039	BL38B1	藤田 誠	
			2011B0042	BL41XU	藤田 誠	

Nature Materials

22337	Alexander X. Gray	11 (2012) 957-962	2009A4906	BL15XU	Fadley Charles	Bulk Electronic Structure of the Dilute Magnetic Semiconductor Ga _{1-x} Mn _x As through Hard X-ray Angle-Resolved Photoemission
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Nuclear Instruments and Methods in Physics Research Section A

21483	Hiroshi Daimon	648 (2011) S139-S141	2005B0647	BL25SU	大門 寛	Direct Imaging of Three-Dimensional Atomic Arrangement by Stereophotography Using Two-Dimensional Photoelectron Spectroscopy
			2007A2049	BL25SU	大門 寛	
			2008A1424	BL25SU	大門 寛	
			2009A1753	BL25SU	大門 寛	
			2009B1528	BL25SU	大門 寛	
			2010A1468	BL25SU	大門 寛	

Optics Express

22498	Ichiro Inoue	20 (2012) 26878-26887	2011A1112	BL40XU	篠原 佑也	Effect of Shot Noise on X-ray Speckle Visibility Spectroscopy
			2011B1131	BL40XU	篠原 佑也	

Organic Electronics

21773	Ryosuke Matsubara	12 (2011) 195-201	2008A1813	BL46XU	中村 雅一	Crystal Order in Pentacene Thin Films Grown on SiO ₂ and Its Influence on Electronic Band Structure
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Pharmaceutical and Medical Device Regulatory Science

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
22763	Shuji Noguchi	43 (2012) 1129-1135	2011B1912	BL19B2	野口 修治	Structural Analysis of Polymorphism of Drugs by Synchrotron X-ray Powder Diffraction Method
			2011B1791	BL19B2	野口 修治	
			2012A1043	BL19B2	野口 修治	

Physica Status Solidi A

21188	Tetsuo Narita	208 (2011) 1541-1544	2009B2008	BL46XU	杉本 雅裕	Study of Etching-Induced Damage in GaN by Hard X-ray Photoelectron Spectroscopy
			2010A1805	BL46XU	高橋 直子	

Physica Status Solidi C

21190	Daigo Kikuta	9 (2012) 927-930	2010B1915	BL46XU	高橋 直子	Post-etching Processes for p-type GaN using HAX-PES
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Physical Review Letters

21719	Taras Kolodiazny	104 (2010) 147602	2010A1554	BL02B2	川路 均	Persistence of Ferroelectricity in BaTiO ₃ through the Insulator-Metal Transition
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Plant Physiology

22693	Toru Iwai	160 (2012) 2007-2014	2009B1724	BL37XU	吉田 薫	Dynamic Changes in the Distribution of Minerals in Relation to Phytic Acid Accumulation during Rice Seed Development
			2010B1695	BL37XU	吉田 薫	

Polymer Journal

21756	Ken Kojio	43 (2011) 692-699	2010A7210	BL03XU	下平 祥貴	Simultaneous Small-Angle X-ray Scattering/Wide-Angle X-ray Diffraction Study of the Microdomain Structure of Polyurethane Elastomers during Mechanical Deformation
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Polymers

22708	Takuya Kouta	3 (2011) 36-50	2006B1125	BL40B2	櫻井 伸一	Spontaneous Enhancement of Packing Regularity of Spherical Microdomains in the Body-Centered Cubic Lattice Upon Uniaxial Stretching of Elastomeric Triblock Copolymers
			2009A1573	BL40B2	櫻井 伸一	

Proceedings of the 13th Asian Conference on SOLID STATE IONICS

22219	Hiroyuki Kageyama	(2012) 621-628	2009A2007	BL14B2	蔭山 博之	XAFS Study of Platinum Group Metals Occluded in LaScO ₃ -Based Perovskite Oxide by Solid-Phase Reaction at High Temperatures
			2009B1990	BL14B2	蔭山 博之	

Proceedings of the 15th International Conference on Experimental Mechanics

22683	Yoshikazu Nakai	(2012) 2635	2010A1859	BL19B2	牧野 泰三	Observation of Cracks in Carbon Steel under Contact Rolling Fatigue by Micro CT Imaging Using Ultrabright Synchrotron Radiation
			2010B1859	BL19B2	牧野 泰三	

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

22406	Tatsuhiko Kawamoto	109 (2012) 18695-18700	2005B0013	BL04B1	川本 竜彦	Separation of Supercritical Slab-Fluids to Form Aqueous Fluid and Melt Components in Subduction Zone Magmatism
			2006A1004	BL04B1	川本 竜彦	
			2008A1017	BL04B1	川本 竜彦	

Proceedings of the Visual-JW2012

22604	Tomoya Nagira	(2012) 215-216	2008A0014	BL20B2	安田 秀幸	In-situ Observation of Shear Deformation in Semi-solid Al-Cu Alloys
			2008B0014	BL20B2	安田 秀幸	
			2009A0014	BL20B2	安田 秀幸	
			2009B0014	BL20B2	安田 秀幸	
			2010A1420	BL20B2	柳楽 知也	
			2011A1209	BL20B2	Gourlay Christopher	
			2011B1096	BL20XU	柳楽 知也	

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
21436	Kouji Nishikawa	78 (2009) 1066-1070	2008A1464	BL41XU	庄村 康人	Crystal Structure of NADH:rubredoxin oxidoreductase from <i>Clostridium acetobutylicum</i> : A Key Component of the Dioxygen Scavenging System in Obligatory Anaerobes
			理研	BL26B1		

RSC Advances

22490	Kohsuke Mori	2 (2012) 1047-1054	2011A1092	BL01B1	森 浩亮	Synthesis of Pd Nanoparticles on Heteropolyacid-supported Silica by Photo-assisted Deposition Method: an Active Catalyst for Direct Synthesis of Hydrogen Peroxide
			2010B1098	BL01B1	森 浩亮	

Science

22380	Peter Jenniskens	338 (2012) 1583-1587	2012A0035	BL37XU	Zolensky Michael	Radar Enabled Recovery of Sutter's Mill, a Unique Carbonaceous Chondrite Regolith Breccia
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Scripta Materialia

22268	Hiroshi Suzuki	66 (2012) 801-804	2009A3771	BL22XU	佐藤 成男	Evaluation of Compressive Deformation Behavior of Zr ₅₅ Al ₁₀ Ni ₅ Cu ₃₀ Bulk Metallic Glass Containing ZrC Particles by Synchrotron X-ray Diffraction
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Soft Matter

22441	Kiyotaka Shigehara	8 (2012) 11544-11551	2009A1349	BL40B2	古川 英光	Nematic Growth of Microtubules that Changed into Giant Spiral Structure through Partial Depolymerization and Subsequent Dynamic Ordering
			2011A1116	BL40B2	敷中 一洋	

Surface Science

21651	Andre Proessdorf	606 (2012) 1458-1461	2010B3572	BL11XU	Proessdorf Andre	The Physical Origin of the InSb(111)A Surface Reconstruction Transient
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Transactions of the Materials Research Society of Japan

20630	Yasuro Ikuma	36 (2011) 535-539	2008B1393	BL13XU	伊熊 泰郎	Preparation of Ordered 1x1 Surface of Rutile TiO ₂ (001) for Surface X-ray Diffraction Study
			2008B2208	BL13XU	田尻 寛男	
			2009B1445	BL13XU	伊熊 泰郎	
			2010A1258	BL13XU	伊熊 泰郎	

高分子論文集(Kobunshi Ronbunshu)

22728	Hideaki Takagi	67 (2010) 521-529	2006A1060	BL40B2	山本 勝宏	Small-Angle X-ray Scattering Study on Phase Transition Behavior from Crystalline-Amorphous Alternative Lamellar Structure to Gyroid Phase of Semicrystalline polybutadiene-block-poly(ϵ -caploracone)/polybutadiene
			2005B0245	BL40B2	櫻井 伸一	

表面科学(Journal of the Surface Science Society of Japan)

22419	Hirokazu Fukidome	33 (2012) 546-551	2009B3875	BL23SU	末光 眞希	Nanoscale Control of Structural and Electronic Properties of Graphene through Substrate Interaction
			2010A3875	BL23SU	末光 眞希	
			2009B1735	BL17SU	吹留 博一	
			2010A1674	BL17SU	吹留 博一	
			2010B1712	BL17SU	吹留 博一	

マテリアルインテグレーション(Materials Integration)

22642	Hitoshi Yusa	25 (2012) 40-45	2008A1253	BL10XU	遊佐 斉	Collaborative Research on High-Pressure Experiments and ab initio Calculations: Search for High Density and High Coordinated Phases in III Sesquioxide
			2009B1217	BL10XU	遊佐 斉	
			2010B1192	BL10XU	遊佐 斉	
			2011B1204	BL10XU	遊佐 斉	
			2011B1347	BL04B2	遊佐 斉	

博士論文 (静岡県立大学)

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
22574	Sadahiro Fujiki	(2012) 1-76	2011B1791	BL19B2	野口 修治	Preparation and Evaluation of Novel Sustained-Release Formulations Based on the Physicochemical Properties of Clarithromycin
			2011B1912	BL19B2	野口 修治	

博士論文 (東京大学)

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
22450	Tsuneaki Sakurai	(2012) 1-244	理研	BL44B2		Design of Novel Liquid Crystalline Organic Semiconductors from Triply Fused Metalloporphyrin Dimers
			2009A1651	BL02B2	櫻井 庸明	

博士論文 (名古屋大学)

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
22606	Toshitaka Tanabe	(2012) 1-138	2011B7001	BL33XU	長井 康貴	Combining High Activity and Durability in Automotive Three-Way Catalysts
			2011A7001	BL33XU	長井 康貴	
			2010B7001	BL33XU	長井 康貴	

課題以外の成果として登録された論文

The Journal of Biological Chemistry

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
22294	Sotaro Kikuchi	287 (2012) 33847-33852	理研	BL32XU		Structural Basis of Recruitment of DNA Polymerase ζ by Interaction between REV1 and REV7 Proteins
22295	Takuya Yoshizawa	287 (2012) 18710-18716	理研	BL32XU		Structural Basis for Inhibition of Xyloglucan-Specific Endo- β -1,4-glucanase (XEG) by XEG-Protein Inhibitor

Angewandte Chemie International Edition

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
22417	Jeongho Jay Lee	51 (2012) 8490-8494	理研	BL44B2		Discotic Ionic Liquid Crystals of Triphenylene as Dispersants for Orienting Single-Walled Carbon Nanotubes

Chemistry - A European 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
22418	Seiya Tanaka	18 (2012) 10554-10561	理研	BL44B2		Toward Ultralow-Bandgap Liquid Crystalline Semiconductors: Use of Triply Fused Metalloporphyrin Trimer-Pentamer as Extra-Large π -Extended Mesogenic Motifs

Journal of Applied Crystallography

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
22204	Hironori Murakami	45 (2012) 234-238	理研	BL26B1		Upgrade of Automated Sample Exchanger SPACE
			理研	BL26B2		
			理研	BL32XU		

Journal of Bacteriology

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
22339	Yoshihiro Agari	194 (2012) 4630-4641	理研	BL26B2		Transcriptional Repression Mediated by a TetR Family Protein, PfmR, from <i>Thermus thermophilus</i> HB8

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
21428	Stephen W. Lovesey	20 (2008) 272201	理研	BL17SU		Resonant Diffraction of Circularly Polarized X-rays by a Chiral Crystal (Low Quartz)

Nuclear Instruments and Methods in Physics Research Section A

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
22638	Kenji Fukami	694 (2012) 1-5	加速器			Beam-Based Alignment of Injection Bump Magnets Using Remote-Controlled Tilt Adjustment System at SPring-8

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
21427	Yuji Hiraoka	84 (2011) 064418	理研	BL17SU		Spin-chiral Domains in Ba _{0.5} Sr _{1.5} Zn ₂ Fe ₁₂ O ₂₂ Observed by Scanning Resonant X-ray Microdiffraction