

## 最近 SPring-8 もしくは SACLA 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 もしくは SACLA 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/](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25年4月～6月にその別刷もしくはコピー等を受理したもの（登録時期は問いません）を以下に紹介します。論文の情報（主著者、巻、発行年、ページ、タイトル）に加え、データベースの登録番号（研究成果番号）を掲載していますので、詳細は上記検索ページの検索結果画面でご覧いただくことができます。また実施された課題の情報（課題番号、ビームライン、実験責任者名）も掲載しています。課題番号は最初の4文字が「year」、次の1文字が「term」、後ろの4文字が「proposal no.」となっていますので、この情報から以下の URL で公表している、各課題の英文利用報告書 (SPring-8 User Experiment Report) を探してご覧いただくことができます。

[http://www.spring8.or.jp/ja/news\\_publications/publications/user\\_exp\\_report/](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2013年4月～6月に登録された論文が掲載された主な雑誌と掲載論文数

掲載雑誌	登録論文数	掲載雑誌	登録論文数
Physical Review B	21	Journal of the Physical Society of Japan	8
Applied Physics Letters	14	Acta Crystallographica Section F	7
Chemical Communications	13	Polymer	7
Angewandte Chemie International Edition	9	Journal of Synchrotron Radiation	6
Journal of Applied Physics	9	Macromolecules	6
Journal of Physics: Conference Series	9	Chemistry Letters	5
Journal of the American Chemical Society	9	Journal of Molecular Biology	5
Japanses Journal of Applied Physics	8	Physical Review Letters	5
The Journal of Physical Chemistry C	8		

他全156誌、計361報

課題の成果として登録された論文

Physical Review B

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
22581	Oscar Yagafarov	86 (2012) 174103	2010B3604	BL14B1	Yagafarov Oscar	Energy Dispersive X-ray Diffraction and Reverse Monte Carlo Structural Study of Liquid Gallium under Pressure
			2011A3606	BL14B1	Yagafarov Oscar	
22805	Takashi Kambe	86 (2012) 214507	2011A1938	BL02B2	久保園 芳博	Synthesis and Physical Properties of Metal-Doped Picene Solids
23369	Mao Ye	85 (2012) 205317	2011A3873	BL23SU	木村 昭夫	Quasiparticle Interference on the Surface of Bi <sub>2</sub> Se <sub>3</sub> Induced by Cobalt Adatom in the Absence of Ferromagnetic Ordering
23410	Ignace Jarrige	87 (2013) 115107	2010B4253	BL12XU	Jarrige Ignace	Unified Understanding of the Valence Transition in the Rare-Earth Monochalcogenides under Pressure
23414	Hitoshi Yamaoka	86 (2012) 085137	2011B4260	BL12XU	辻井 直人	Electronic Structure and the Valence State of Yb <sub>2</sub> Pd <sub>2</sub> Sn and YbPd <sub>2</sub> Sn Studied by Photoelectron and Resonant X-ray Emission Spectroscopies
23423	Hitoshi Yamaoka	86 (2012) 235131	2012A4259	BL12XU	山岡 人志	Electronic Transitions in CePd <sub>2</sub> Si <sub>2</sub> Studied by Resonant X-ray Emission Spectroscopy at High Pressures and Low Temperatures
23475	Shigemasa Suga	86 (2012) 035146	理研	BL19LXU		Recoil Effects for Valence and Core Photoelectrons in V <sub>3</sub> Si
			2006B1722	BL25SU	関山 明	
			2007A1005	BL25SU	菅 滋正	
23535	Kaustubh Priolkar	87 (2013) 144412	2010A1040	BL25SU	Priolkar Kaustubh	Antiferromagnetic Exchange Interactions in the Ni <sub>2</sub> Mn <sub>1.6</sub> In <sub>0.4</sub> Ferromagnetic Heusler Alloy
23537	Kazuya Teranishi	87 (2013) 060505 (R)	2011A1938	BL02B2	久保園 芳博	Observation of Zero Resistivity in K-doped Picene
23593	Yasuhiro Yoneda	86 (2012) 184112	2010A3608	BL14B1	米田 安宏	Electronic and Local Structures of Mn-Doped BiFeO <sub>3</sub> Crystals
			2010A3608	BL14B1	米田 安宏	
23611	Hiroyuki Fujishiro	87 (2013) 155153	2011A1060	BL01B1	藤代 博之	Simultaneous Valence Shift of Pr and Tb Ions at the Spin-State Transition in (Pr <sub>1-y</sub> Tb <sub>y</sub> ) <sub>0.7</sub> Ca <sub>0.3</sub> CoO <sub>3</sub>
			2011B1075	BL01B1	藤代 博之	
			2012A1118	BL01B1	藤代 博之	
23717	Takumi Yokobori	87 (2013) 195124	2011A1624	BL47XU	和達 大樹	Electronic Structure of the Hole-Doped Delafossite CuCr <sub>1-x</sub> Mg <sub>x</sub> O <sub>2</sub>
			2011B1710	BL47XU	和達 大樹	
			2012B1003	BL47XU	大川 万里生	
23755	Jin-Ming Chen	86 (2012) 045103	2011B4262	BL12XU	Chen Jin-Ming	Pressure-Dependent Electronic Structures and Orbital Hybridization of Mn 3d States in Multiferroic BiMnO <sub>3</sub> : A Combined X-ray Absorption, X-ray Emission, and Resonant X-ray Emission Study
			2012A4257	BL12XU	Chen Jin-Ming	
			2012B4257	BL12XU	Chen Jin-Ming	
23922	Makoto Minohara	85 (2012) 165108	2011A1669	BL47XU	組頭 広志	Depth Profiling the Potential in Perovskite Oxide Heterojunctions Using Photoemission Spectroscopy
			2010B1740	BL47XU	組頭 広志	
			2010A1677	BL47XU	組頭 広志	
			2009B1774	BL47XU	組頭 広志	
			2009A1679	BL47XU	組頭 広志	
			2008B1802	BL47XU	組頭 広志	
24313	Alexander X. Gray	83 (2011) 195112	2009B4804	BL15XU	小林 啓介	Hard X-ray Photoemission Study of Near-Heusler Fe <sub>x</sub> Si <sub>1-x</sub> Alloys
			2010A4902	BL15XU	Fadley Charles	
24314	Alexander X. Gray	84 (2011) 075104	2009A4906	BL15XU	Fadley Charles	Insulating State of Ultrathin Epitaxial LaNiO <sub>3</sub> Thin Films Detected by Hard X-ray Photoemission
24359	Shunsuke Tsuda	87 (2013) 241107 (R)	2011B4615	BL15XU	津田 俊輔	Mott Transition Extremely Sensitive to Impurities in Ca <sub>3</sub> Ru <sub>2</sub> O <sub>7</sub> Revealed by Hard X-ray Photoemission Studies

Applied Physics Letters -1-

22475	Shingo Ogawa	101 (2012) 201601	2010B1863	BL47XU	小川 慎吾	Interface Engineering between Metal Electrode and GeO <sub>2</sub> Dielectric for Future Ge-based Metal-Oxide-Semiconductor Technologies
23370	Keita Ito	98 (2011) 102507	2010A3877	BL23SU	木村 昭夫	Spin and Orbital Magnetic Moments of Molecular Beam Epitaxy γ'-Fe <sub>4</sub> N Films on LaAlO <sub>3</sub> (001) and MgO(001) Substrates by X-ray Magnetic Circular Dichroism
			2010B3876	BL23SU	木村 昭夫	
23371	Keita Ito	99 (2011) 252501	2011A3872	BL23SU	木村 昭夫	X-ray Magnetic Circular Dichroism of Ferromagnetic Co <sub>4</sub> N Epitaxial Films on SrTiO <sub>3</sub> (001) Substrates Grown by Molecular Beam Epitaxy

## Applied Physics Letters -2-

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
23491	P. Sheng	102 (2013) 032406	2011A1319	BL25SU	鈴木 義茂	Detailed Analysis of Spin-Dependent Quantum Interference Effects in Magnetic Tunnel Junctions with Fe Quantum Wells
			2011B1720	BL25SU	鈴木 義茂	
			2012A1671	BL25SU	鈴木 義茂	
23492	Frederic Bonell	102 (2013) 152401	2011A1319	BL25SU	鈴木 義茂	Reversible Change in the Oxidation State and Magnetic Circular Dichroism of Fe Driven by an Electric Field at the FeCo/MgO Interface
			2011B1720	BL25SU	鈴木 義茂	
			2012A1671	BL25SU	鈴木 義茂	
23546	Alpa Dashora	102 (2013) 142403	2009B1416	BL08W	Ahuja Babulal	Feasibility of Magnetic Compton Scattering in Measurement of Small Spin Moments: A Study on $\text{LaFe}_{1-x}\text{Ni}_x\text{O}_3$ ( $x=0.4$ and $0.5$ )
23615	Motoaki Matsuo	100 (2012) 044101	2008A3607	BL14B1	松村 大樹	Experimental Studied of Complex Hydride $\text{YMn}_2\text{H}_6$ on Formation Kinetics and X-ray Absorption Fine Structure Analysis
			2008B3619	BL14B1	松村 大樹	
			2009A3616	BL14B1	松村 大樹	
			2010B3610	BL14B1	松村 大樹	
23847	Kaye Morgan	100 (2012) 124102	2011A1590	BL20XU	Morgan Kaye	X-ray Phase Imaging with a Paper Analyzer
23862	Satoshi Toyoda	100 (2012) 112906	2010A1786	BL27SU	菅谷 英生	Determining Factor of Effective Work Function in Metal/bi-layer High- $k$ Gate Stack Structure Studied by Photoemission Spectroscopy
			2010B1816	BL27SU	菅谷 英生	
23914	Takayuki Harano	102 (2013) 222404	2012A3824	BL23SU	藤森 淳	Role of Doped Ru in Coercivity-Enhanced $\text{La}_{0.6}\text{Sr}_{0.4}\text{MnO}_3$ Thin Film Studied by X-ray Magnetic Circular Dichroism
			2011A3840	BL23SU	藤森 淳	
23918	Masato Kubota	91 (2007) 182503	2005B0551	BL25SU	組頭 広志	Magnetic Dopmain Structure of a Technically Patterned Ferromagnetic $\text{La}_{0.6}\text{Sr}_{0.4}\text{MnO}_3$ Thin Film
			2006A1660	BL25SU	組頭 広志	
			2006B1600	BL47XU	組頭 広志	
24028	Hosiyar Mund	102 (2013) 232403	2011B1069	BL08W	Ahuja Babulal	Study of Spin and Orbital Magnetization in Dy- and Gd-doped Co Ferrite using Magnetic Compton Scattering
24338	Jesse Williams	100 (2012) 051902	2010B4607	BL15XU	大橋 直樹	Polarity-Dependant Photoemission Spectra of Wurtzite-Type Zinc Oxide
			2010A4602	BL15XU	大橋 直樹	
			2009B4607	BL15XU	大橋 直樹	
			2009A4604	BL15XU	大橋 直樹	
			2008A4603	BL15XU	大橋 直樹	

## Chemical Communications -1-

16967	Takato Mitsudome	(2009) 5302-5304	2008B1485	BL01B1	金田 清臣	Supported Gold Nanoparticle Catalyst for the Selective Oxidation of Silanes to Silanols in Water
18127	Shoichiro Sueoka	46 (2010) 8243-8245	2010A1081	BL01B1	金田 清臣	Supported Monomeric Vanadium Catalyst for Dehydration of Amides to Form Nitriles
22590	Akifumi Noujima	48 (2012) 6723-6725	2012A1316	BL01B1	金田 清臣	Unique Catalysis of Gold Nanoparticles in the Chemoselective Hydrogenolysis with $\text{H}_2$ : Cooperative Effect between Small Gold Nanoparticles and a Basic Support
22592	Takato Mitsudome	48 (2012) 11733-11735	2012A1316	BL01B1	金田 清臣	Highly Efficient Double-Carbonylation of Amines to Oxamides Using Gold Nanoparticle Catalysts
23552	Govindachetty Saravanan	48 (2012) 7441-7443	2009B4608	BL15XU	阿部 英樹	Post-Synthesis Dispersion of Metal Nanoparticles by Poly(amidoamine) Dendrimers: Size-Selective Inclusion, Water Solubilization, and Improved Catalytic Performance
			2010A4609	BL15XU	阿部 英樹	
			2010B4609	BL15XU	阿部 英樹	
			2011A4600	BL15XU	阿部 英樹	
			2011B4606	BL15XU	阿部 英樹	
23575	Tomoki Nishimura	49 (2013) 3052-3054	2012A1177	BL40B2	櫻井 和朗	A Bimolecular Micelle Constructed from Amphiphilic Pillar[5]arene Molecules
23678	Pance Naumov	49 (2013) 1948-1950	2011B1181	BL40XU	安田 伸広	The Elusive Crystal Structure of the Neuraminidase Inhibitor Tamiflu (oseltamivir phosphate): Molecular Details of Action
23794	Takahiro Araki	49 (2013) 552-554	2011B1874	BL02B2	近藤 篤	The First Lanthanide Organophosphonate Nanosheet by Exfoliation of Layered Compounds
			2012A1207	BL02B2	近藤 篤	
23915	Shinsuke Ishihara	49 (2013) 3631-3633	2011B4504	BL15XU	石原 伸輔	Hydrogen-Bond Driven 'Homogeneous Intercalation' for Rapid, Reversible, and Ultra-Precise Actuation of Layered Clay Nanosheets

Chemical Communications -2-

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
23982	Yoshitaka Terashima	49 (2013) 2506-2508	2009B1593	BL40B2	前田 大光	Ion-Based Materials of Boron-Modified Dipyrrolyldiketones as Anion Receptors
			2011A1294	BL40B2	前田 大光	
			2011B1535	BL40B2	前田 大光	
			2012A1345	BL40B2	前田 大光	
23984	Hiromitsu Maeda	49 (2013) 5310-5312	2011A1294	BL40B2	前田 大光	Anion-Driven Structures of Radially Arranged Anion Receptor Oligomers
			2011B1535	BL40B2	前田 大光	
			2012A1345	BL40B2	前田 大光	
24256	Shih-Hong Chang	47 (2011) 3864-3866	2011B4133	BL12B2	Hwang Bing Joe	CO-assisted Synthesis of Finely Size-controlled Platinum Nanoparticles

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23452	Hitoshi Yamaoka	112 (2012) 124503	2011B4259	BL12XU	山岡 人志	Ruby Pressure Scale in a Low-Temperature Diamond Anvil Cell
			2011B4265	BL12XU	山岡 人志	
23501	Giuseppina Conti	113 (2013) 143704	2011A4606	BL15XU	小林 啓介	Band Offsets in Complex-Oxide Thin Films and Heterostructures of SrTiO <sub>3</sub> /LaNiO <sub>3</sub> and SrTiO <sub>3</sub> /GdTiO <sub>3</sub> by Soft and Hard X-ray Photoelectron Spectroscopy
23639	Yoshiyuki Yamashita	113 (2013) 163707	2010B4800	BL15XU	小林 啓介	Bias-voltage Application in a Hard X-ray Photoelectron Spectroscopic Study of the Interface States at Oxide/Si(100) Interfaces
			2009B4810	BL15XU	小林 啓介	
23767	Tomoko Hishida	113 (2013) 043710	2011B1622	BL19B2	野崎 彰子	Hidden Relationship between the Electrical Conductivity and the Mn 2p Core-Level Photoemission Spectra in La <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub>
			2011B1622	BL19B2	中西 裕紀	
23789	Ryoichi Shinoda	113 (2013) 17E307	2012A1175	BL08W	松井 利之	Magnetic Compton Scattering Studies of Magneto-Dielectric Ca(Co <sub>0.85</sub> Mn <sub>0.15</sub> )O <sub>3-δ</sub>
23955	Yasushi Kagoshima	113 (2013) 214314	2011A3200	BL24XU	籠島 靖	Constant-Pitch Microprism-Array Optical Device for Beam Condensers in Hard X-ray Synchrotron Radiation Beamlines
			2010B3200	BL24XU	籠島 靖	
24037	Yukiko Takahashi	113 (2013) 223901	2012B1213	BL46XU	高橋 有紀子	Structure and Magnetoresistance of Current-Perpendicular-to-Plane Pseudo Spin Valves Using Co <sub>2</sub> Mn(Ga <sub>0.25</sub> Ge <sub>0.75</sub> ) Heusler Alloy
24104	T. Hishida	113 (2013) 233702	2011A1420	BL47XU	池永 英司	Empirical Relationship between X-ray Photoemission Spectra and Electrical Conductivity in a Colossal Magnetoresistive Manganite La <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub>
			2011B1710	BL47XU	和達 大樹	
24339	Jesse Williams	111 (2012) 033525	2010B4607	BL15XU	大橋 直樹	Observation and Simulation of Hard X Ray Photoemission Diffraction to Determine Polarity of Polycrystalline Zinc Oxide Films with Rotation Domains
			2010A4602	BL15XU	大橋 直樹	
			2009B4607	BL15XU	大橋 直樹	
			2008A4603	BL15XU	大橋 直樹	

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23459	Sachiko Maki	135 (2012) 918-923	2005B0857	BL02B2	篠原 久典	A Structural Diagnostics Diagram for Metallofullerenes Encapsulating Metal Carbides and Nitrides
23574	Yusuke Sanada	135 (2013) 2574-2582	2010B1726	BL40B2	櫻井 和朗	Hydrophobic Molecules Infiltrating into the Poly(ethylene glycol) Domain of the Core/Shell Interface of a Polymeric Micelle: Evidence Obtained with Anomalous Small-Angle X-ray Scattering
			2011A1668	BL40B2	櫻井 和朗	
			2011B1735	BL40B2	櫻井 和朗	
			2010B2000	BL03XU	増永 啓康	
23595	Hidenobu Etani	135 (2013) 6100-6105	2010B1707	BL02B2	山田 幾也	Suppression of Intersite Charge Transfer in Charge-Disproportionated Perovskite YCu <sub>3</sub> Fe <sub>4</sub> O <sub>12</sub>
			2011A1047	BL02B2	山田 幾也	
			2012A1002	BL25SU	山田 幾也	
			2012B1171	BL02B2	山田 幾也	
23645	Hiroataka Okamoto	132 (2010) 2710-2718	2008B5070	BL16XU	野崎 洋	Silicon Nanosheets and Their Self-Assembled Regular Stacking Structure
23950	Shoubao Zhang	135 (2013) 6056-6060	2009A1100	BL02B2	齊藤 高志	Site-Selective Doping Effect in AMn <sub>3</sub> V <sub>4</sub> O <sub>12</sub> (A = Na <sup>+</sup> , Ca <sup>2+</sup> , and La <sup>3+</sup> )
			2009B1017	BL27SU	島川 祐一	
			2012B1033	BL02B2	齊藤 高志	
23981	Bin Dong	135 (2013) 1284-1287	2011A1294	BL40B2	前田 大光	Cation Modules as Building Blocks Forming Supramolecular Assemblies with Planar Receptor-Anion Complexes
			2011B1535	BL40B2	前田 大光	
			2012A1345	BL40B2	前田 大光	

## Journal of the American Chemical Society -2-

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
24003	Yuki Orikasa	135 (2013) 5497-5500	2012A7601	BL28XU	小久見 善八	Direct Observation of a Metastable Crystal Phase of $\text{Li}_x\text{FePO}_4$ under Electrochemical Phase Transition
			2011B1034	BL46XU	小久見 善八	
			2011B1908	BL01B1	折笠 有基	
			2011A1014	BL46XU	小久見 善八	
			2010B1896	BL46XU	小久見 善八	
24005	Xiaoming Wang	135 (2013) 5938-5941	2012A1020	BL37XU	内本 喜晴	Quantitating the Lattice Strain Dependence of Monolayer Pt Shell Activity toward Oxygen Reduction
			2012A1012	BL14B2	内本 喜晴	
			2011B1027	BL14B2	内本 喜晴	
			2011B1032	BL37XU	内本 喜晴	
24108	Gang Xu	135 (2013) 7438-7441	2012B1304	BL13XU	北川 宏	Superprotonic Conductivity in a Highly Oriented Crystalline Metal–Organic Framework Nanofilm
		2012B1570	BL13XU	大坪 主弥		

## Japanese Journal of Applied Physics

22677	Shinya Nakano	52 (2013) 035002	2010B1719	BL40B2	栗原 和枝	Structural Change in Smectic Liquid Crystal Nano-Film under Molecular-Scale Confinement Measured by Synchrotron X-ray Diffraction
			2010A1671	BL40B2	栗原 和枝	
			2009B1755	BL40B2	栗原 和枝	
			2008A1560	BL40B2	栗原 和枝	
23323	Hidekazu Takano	52 (2013) 040204	2011A3203	BL24XU	高野 秀和	Simple Scanning Phase-Contrast X-ray Tomography Using Intensity Detectors
			2010B3203	BL24XU	高野 秀和	
23373	Yoshio Suzuki	52 (2013) 036703	2010B1136	BL20XU	鈴木 芳生	Hard X-ray Microprobe and Scanning Microscopy with Spherical-Aberration-Corrected Grazing-Incident Spherical-Concave Mirror Optics
			2011B1190	BL20XU	竹内 晃久	
23722	Anli Yang	52 (2013) 08JD01	2011A4604	BL15XU	山下 良之	Investigation of the Effect of Oxygen on the Near-Surface Electron Accumulation in Nonpolar <i>m</i> -Plane (1010) InN Film by Hard X-ray Photoelectron Spectroscopy
			2012A4505	BL15XU	坂田 修身	
23832	Tomoyuki Suwa	52 (2013) 031302	2011B1717	BL27SU	寺本 章伸	Chemical Structure of Interfacial Transition Layer Formed on Si(100) and Its Dependence on Oxidation Temperature, Annealing in Forming Gas, and Difference in Oxidizing Species
			2011A1654	BL27SU	寺本 章伸	
			2010A1660	BL27SU	寺本 章伸	
24112	Shunji Yoshida	52 (2013) 071001	2012A1227	BL13XU	横川 俊哉	Microarea Strain Analysis in InGaN/GaN Multiple Quantum Wells on <i>m</i> -Plane Using High-Resolution Microbeam X-ray
24115	Masamitsu Takachi	52 (2013) 044301	2012A1094	BL02B2	守友 浩	Structural, Electronic, and Electrochemical Properties of $\text{Li}_x\text{Co}[\text{Fe}(\text{CN})_6]_{0.90}\cdot 2.9\text{H}_2\text{O}$
			2011B1066	BL02B2	守友 浩	
			2011A1418	BL02B2	守友 浩	
24227	Manabu Inukai	52 (2013) 065503	2009B1932	BL47XU	池永 英司	Spectroscopic Analysis of Graphitization and Grain Orientation of Carbon Films Grown by Photoemission-Assisted Plasma-Enhanced Chemical Vapor Deposition
			2010A1791	BL47XU	池永 英司	
			2010B1021	BL27SU	二瓶 瑞久	
			2010B1866	BL47XU	池永 英司	
			2011A1015	BL27SU	二瓶 瑞久	
			2011A1775	BL47XU	室 隆桂之	
			2011B1909	BL47XU	室 隆桂之	

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23297	Yi-Ching Chen	116 (2012) 5246-5254	2010B1788	BL02B2	伊藤 孝憲	Crystal Structure, Oxygen Deficiency, Oxygen Diffusion Path of Perovskite-Type Lanthanum Cobaltites $\text{La}_{0.4}\text{Ba}_{0.6}\text{CoO}_{3-\delta}$ and $\text{La}_{0.6}\text{Sr}_{0.4}\text{CoO}_{3-\delta}$
			2011B1995	BL02B2	八島 正知	
			2011A1442	BL02B2	八島 正知	
23361	Atsuko Tomita	117 (2013) 1268-1277	2010B1447	BL01B1	清水 研一	Mechanism of Low-Temperature CO Oxidation on Pt/Fe-Containing Alumina Catalysts Pretreated with Water
			2011B1137	BL01B1	多井 豊	
			2012B1922	BL01B1	加藤 和男	
23616	Momoko Harada	116 (2011) 2153-2158	2011A3614	BL14B1	福岡 宏	Structure and Chemical Bonding of Binary Ytterbium Germanides, $\text{Yb}_3\text{Ge}_5$ and $\text{YbGe}_3$ , Prepared by High-Pressure and High-Temperature Reactions
23745	Seiji Iwasaki	116 (2012) 24445-24448	2011B7416	BL07LSU	吉信 淳	Elucidation of Rh-Induced In-Gap States of Rh: SrTiO <sub>3</sub> Visible-Light-Driven Photocatalyst by Soft X-ray Spectroscopy and First-Principle Calculations
			2011A7413	BL07LSU	吉信 淳	

The Journal of Physical Chemistry C -2-

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
23803	Masafumi Fukano	117 (2013) 5752-5757	2011B1245	BL02B2	金子 克美	Vertically Oriented Propylene Carbonate Molecules and Tetraethyl Ammonium Ions in Carbon Slit Pores
			2010A1601	BL02B2	小嶋 夏子	
			2009B1480	BL02B2	金子 克美	
			2009A1417	BL02B2	金子 克美	
23804	Fitri Khoerunnisa	116 (2012) 11216-11222	2011B1505	BL02B2	金子 克美	Enhanced CO <sub>2</sub> Adsorptivity of Partially Charged Single Walled Carbon Nanotubes by Methylene Blue Encapsulation
24016	Clara Guglieri	117 (2013) 12199-12209	2012A0024	BL39XU	Chaboy Jesus	Relationship between the Magnetic Properties and the Formation of a ZnS/ZnO Interface in S-Capped ZnO Nanoparticles and ZnS-ZnO Thin Films
			2011B0024	BL39XU	Chaboy Jesus	
			2011A0024	BL39XU	Chaboy Jesus	
			2010B0024	BL39XU	Chaboy Jesus	
			2010A0024	BL39XU	Chaboy Jesus	
24097	Takuya Masuda	117 (2013) 12168-12171	2009B1307	BL13XU	魚崎 浩平	Structure of Pt(111)/Ionomer Membrane Interface and Its Bias-Induced Change in Membrane Electrode Assembly
			2009A1532	BL13XU	魚崎 浩平	
			2008B1499	BL13XU	魚崎 浩平	

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23336	Wen Hu	425 (2013) 202010	2011A3503	BL11XU	高橋 正光	X-ray Micro-Beam Focusing System for in situ Investigation of Single Nanowire during MBE Growth
			2011B3503	BL11XU	高橋 正光	
23388	Masaichiro Mizumaki	428 (2013) 012030	2008A1001	BL25SU	島川 祐一	Electronic Structure of Cu in Ferromagnetic CaCu <sub>2</sub> Sn <sub>4</sub> O <sub>12</sub>
23591	Ikuo Nakai	430 (2013) 012084	2007B1664	BL01B1	李 英杰	XAS Spectra of Mechanically Milled TiO <sub>2</sub>
23614	Daiju Matsumura	430 (2013) 012024	2008B1677	BL28B2	松村 大樹	200 Hz Observation of Hydrogenation Reaction of Pd Nanoparticles by Using Dispersive XAFS Optics
			2009A1387	BL28B2	松村 大樹	
			2009A3617	BL14B1	松村 大樹	
			2009B3606	BL14B1	松村 大樹	
			2009B3607	BL14B1	松村 大樹	
			2009B1268	BL28B2	松村 大樹	
			2010A1276	BL28B2	松村 大樹	
23617	Kenji Shiota	430 (2013) 012095	2009B1458	BL01B1	高岡 昌輝	Characterization of Lead, Chromium, and Cadmium in Dust Emitted from Municipal Solid Waste Incineration Plants
23753	Yong Cai	425 (2013) 202001	2012B4250	BL12XU	Cai Yong	The Ultrahigh Resolution IXS Beamline of NSLS-II: Recent Advances and Scientific Opportunities
			2011B1438	BL39XU	小山 貴久	
23781	Haruhiko Ohashi	425 (2013) 052018	2011B1475	BL37XU	小山 貴久	Stable Delivery of Nano-Beams for Advanced Nano-Scale Analysis
			2011B1393	BL01B1	穴戸 哲也	
23784	Tetsuya Shishido	430 (2013) 012060	2011B1403	BL28B2	穴戸 哲也	Study of Formation Process of Metal Nanoparticles on Metal Oxide by <i>in-situ</i> XAFS Technique
			2011A1173	BL01B1	穴戸 哲也	

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18132	Takato Mitsudome	49 (2010) 5545-5548	2010A1081	BL01B1	金田 清臣	Supported Gold and Silver Nanoparticles for Catalytic Deoxygenation of Epoxides into Alkenes
18135	Takato Mitsudome	49 (2010) 1238-1240	2010A1081	BL01B1	金田 清臣	Wacker-Type Oxidation of Internal Olefins Using a PdCl <sub>2</sub> /N,N-Dimethylacetamide Catalyst System under Copper-Free Reaction Conditions
22899	Saeed Kamali-Moghaddam	52 (2013) 724-728	2011A0032	BL09XU	Cramer Stephen	Observation of the Fe-CN and Fe-CO Vibrations in the Active Site of [NiFe] Hydrogenase by Nuclear Resonance Vibrational Spectroscopy
			2011B0032	BL09XU	Cramer Stephen	
23553	Satoshi Tominaka	50 (2011) 7418-7421	2010B4505	BL15XU	富中 悟史	Synthesis of Nanostructured Reduced Titanium Oxide: Crystal Structure Transformation Maintaining Nanomorphology
23669	Shunpei Nobusue	52 (2013) 4184-4188	2009B1969	BL38B1	久木 一朗	Oxidative Cyclodimerization After Tandem Cyclization of Dehydrobenzo[14]annulenes Induced by Alkyl lithium
			2010A1427	BL38B1	久木 一朗	

## Angewandte Chemie International Edition -2

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
23676	Jing Wu	51 (2012) 10820-10822	2011B1181	BL40XU	安田 伸広	Strophasterols A to D with an Unprecedented Steroid Skeleton: From the Mushroom <i>Stropharia rugosoannulata</i>
24007	Akihiro Shimizu	52 (2013) 6076-6079	2011A1341	BL38B1	久木 一朗	Indeno[2,1-b]fluorene: A 20- $\pi$ -Electron Hydrocarbon with Very Low-Energy Light Absorption

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23536	Akio Kotani	82 (2013) 044710	2010B1421	BL25SU	中村 哲也	Theoretical Analysis of Experimental Valence and Magnetization Data around the Field- and Temperature-Induced Valence Transitions of $\text{EuNi}_2(\text{Si}_{0.18}\text{Ge}_{0.82})_2$ : Unified Interpretation for the Results from Soft X-ray Absorption, Its Magnetic Circular Dichroism, and Magnetostatic Measurements
			2011A1262	BL25SU	中村 哲也	
			2011B1428	BL25SU	中村 哲也	
			2011B2099	BL25SU	中村 哲也	
23656	Shin-ichi Kimura	82 (2013) 021004	2005B0621	BL43IR	松波 雅治	Infrared and Terahertz Spectroscopy of Strongly Correlated Electron Systems under Extreme Conditions
			2006A1186	BL43IR	松波 雅治	
			2007B1314	BL43IR	岡村 英一	
			2009A0089	BL43IR	岡村 英一	
			2009B0089	BL43IR	岡村 英一	
			2010A0089	BL43IR	岡村 英一	
			2010B0089	BL43IR	岡村 英一	
2011A0089	BL43IR	岡村 英一				
23694	Kazutaka Kudo	82 (2013) 063704	2012B1037	BL02B2	野原 実	Superconductivity Induced by Breaking $\text{Te}_2$ Dimers of $\text{AuTe}_2$
			2012B1055	BL02B2	野原 実	
23796	Toshiyuki Nakamura	81 (2012) 114702	2011B1090	BL39XU	松田 康弘	High-Magnetic-Field X-ray Absorption and Magnetic Circular Dichroism Spectroscopy in the Mixed-Valent Compound $\text{YbAgCu}_4$
			2010A1384	BL39XU	松田 康弘	
23819	Shogo Kawaguchi	82 (2013) 064603	2010B0084	BL02B2	久保田 佳基	Structural Properties in Incommensurately Modulated Spinel Compound $\text{CuV}_2\text{S}_4$
			2011A0084	BL02B2	久保田 佳基	
24029	Chikako Moriyoshi	81 (2012) 014706	2009A0084	BL02B2	黒岩 芳弘	Site-selective Calcium Substitution in $\text{BaTi}_2\text{O}_5$ : Effect on the Crystal Structure and the Ferroelectric Phase Transition
			2009B0084	BL02B2	黒岩 芳弘	
			2009B1067	BL02B2	余野 建定	
			2010A1220	BL02B2	増野 敦信	
24385	Takahiro Ishikawa	81 (2012) 124601	2012A0038	BL10XU	清水 克哉	First-Principles Molecular Dynamics Simulation for Calcium under High-Pressure: Thermodynamic Effect on Simple Cubic Structure
			2009A1893	BL10XU	清水 克哉	

## Polymer

22671	Shinichi Kitade	54 (2013) 246-257	2012A1817	BL03XU	増永 啓康	Shear-Induced Pre-Crystallization Structures of Long Chain Branched Polypropylene under Steady Shear Flow Near the Melting Temperature
			2010A7231	BL03XU	北出 慎一	
23375	Masaru Kotera	54 (2013) 2435-3439	2009B2025	BL19B2	馬路 哲	Microstructures of BPDA-PPD Polyimide Thin Films with Different Thicknesses
			2010B1810	BL19B2	馬路 哲	
23562	Yuji Hatanaka	54 (2013) 1538-1542	2012B1452	BL40B2	中村 洋	Dilute Solution Properties of Polymacromonomer Consisting of Polybutadiene Backbone and Polystyrene Side Chain
23630	Kazuhiro Shikinaka	54 (2013) 2489-2492	2011A1116	BL40B2	敷中 一洋	Strain-Induced Reversible Isotropic-Anisotropic Structural Transition of Imogolite Hydrogels
23762	Kenji Nakamura	54 (2013) 3306-3313	2011B1469	BL40B2	深尾 浩次	Dielectric Relaxation Behavior of Polymerized Ionic Liquids with Various Charge Densities
			2012A1185	BL40B2	深尾 浩次	
			2012A1223	BL40B2	中村 健二	
			2012B1376	BL40B2	中村 健二	
23799	Inga A. Polec	53 (2012) 3540-3547	2011B1998	BL40B2	金谷 利治	Simultaneous SAXS/WAXS Experiments on Shear Induced iPP Crystallization Near Nominal Melting Temperature
23898	Kyoung-Hou Kim	53 (2012) 4272-4279	2008A1445	BL40B2	大越 豊	Effect of Drawing Stress on Mesophase Structure Formation of Poly(ethylene 2,6-naphthalene dicarboxylate) Fiber just after the Neck-Drawing Point

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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
23309	Yuko Murayama	69 (2013) 174-177	2008A1244	BL41XU	関根 俊一	Crystallization and Preliminary X-ray Crystallographic Analyses of <i>Thermus thermophilus</i> Backtracked RNA Polymerase
			2008B1193	BL41XU	関根 俊一	
			2009A1118	BL41XU	関根 俊一	
			2009B1354	BL41XU	関根 俊一	
			2010B1465	BL41XU	関根 俊一	
			2011A1264	BL32XU	関根 俊一	
			2011B1382	BL41XU	関根 俊一	
			2012A1334	BL41XU	関根 俊一	
2012B1392	BL41XU	関根 俊一				
23486	Hideyuki Matsunami	68 (2012) 310-313	2007B1500	BL41XU	今田 勝巳	Crystallization and Preliminary X-ray Analysis of FlgA, a Periplasmic Protein Essential for Flagellar P-ring Assembly
23590	Muhammad Tayyab	69 (2013) 355-357	2009B6915	BL44XU	金谷 茂則	Crystallization and X-ray Structure Determination of a Thermoalkalophilic Lopase from <i>Geobacillus</i> SBS-S
			2010A1158	BL38B1	金谷 茂則	
23598	Yumiko Saijo-Hamano	69 (2013) 547-550	2011B1604	BL41XU	今田 勝巳	Expression, Purification, Crystallization and Preliminary X-ray Diffraction Analysis of a Core Fragment of FlgG, a Bacterial Flagellar Rod Protein
23638	Akito Kawai	68 (2012) 1102-1105	2007B6927	BL44XU	宮本 秀一	Purification, Crystallization and Preliminary X-ray Analysis of Uracil-DNA Glycosylase from <i>Sulfolobus tokodaii</i> Strain 7
23928	Taiga Tominaga	68 (2012) 1153-1157	2011A1288	BL41XU	三木 邦夫	Structure of the [NiFe]-hydrogenase Maturation Protein HypF from <i>Thermococcus kodakarensis</i> KOD1
			2011A1589	BL38B1	富永 大河	
			2010B1229	BL41XU	三木 邦夫	
			2010A1210	BL41XU	三木 邦夫	
2009B1250	BL41XU	三木 邦夫				

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23499	Yusuke Tamenori	20 (2013) 419-425	2010A1104	BL27SU	為則 雄祐	Electron Yield Soft X-ray Photoabsorption Spectroscopy under Normal Ambient-Pressure Conditions
			2010B1198	BL27SU	為則 雄祐	
			2011B1993	BL27SU	為則 雄祐	
			2012A1847	BL27SU	為則 雄祐	
23627	Mikiyasu Shirai	20 (2013) 441-448	2010B1200	BL28B2	Schwenke Daryl	Impaired Pulmonary Blood Flow Distribution in Congestive Heart Failure Assessed Using Synchrotron Radiation Microangiography
			2009B1328	BL28B2	Schwenke Daryl	
23754	Nozomu Hiraoka	20 (2013) 266-271	2010A4258	BL12XU	平岡 望	An X-ray Raman Spectrometer for EXAFS Studies on Minerals: Bent Laue Spectrometer with 20 keV X-rays
23943	Richard Carnibella	19 (2012) 954-959	2010B0022	BL20B2	Lewis Rob	Single-Exposure, Dual Energy Subtraction X-ray Imaging Using a Synchrotron Source
			2011A1165	BL20B2	Kitchen Marcus	
24021	Takuo Ohkouchi	20 (2013) 620-625	2010B1746	BL17SU	堀場 弘司	Capability of Insulator Study by Photoemission Electron Microscopy at SPring-8
			2010B1767	BL17SU	大竹 健二	
			2011B1289	BL17SU	北島 富美雄	
			2011B1898	BL17SU	堀場 弘司	
24023	Ryuta Mizutani	20 (2013) 581-586	2011A0034	BL20XU	水谷 隆太	X-ray Microtomographic Visualization of <i>Escherichia coli</i> by Metalloprotein Overexpression
			2011B0034	BL20XU	水谷 隆太	
			2012A0034	BL20XU	水谷 隆太	
			2011B0041	BL47XU	水谷 隆太	

Chemistry Letters -1-

16970	Norifumi Hashimoto	39 (2010) 49-51	2009A1860	BL14B2	金田 清臣	Complete Hydrodechlorination of DDT and Its Derivatives Using a Hydroxyapatite-Supported Pd Nanoparticle Catalyst
16971	Yusuke Mikami	39 (2010) 223-225	2008B1485	BL01B1	金田 清臣	Highly Chemoselective Reduction of Nitroaromatic Compounds Using a Hydroxalcite-supported Silver Nanoparticle Catalyst under a CO Atmosphere
18131	Norifumi Hashimoto	39 (2010) 832-834	2009B1506	BL01B1	金田 清臣	Fine Tuning of Pd <sup>0</sup> Nanoparticle on Hydroxyapatite and Its Application for Quinoline Hydrogenation
			2009A1860	BL14B2	金田 清臣	
			2008B1485	BL01B1	金田 清臣	
22591	Zen Maeno	41 (2012) 801-803	2012A1316	BL01B1	金田 清臣	Novel Catalysis in Internal Nanocavity of Polyamine Dendrimer for Intramolecular Michael Reaction

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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
23382	Seiji Yamazoe	42 (2013) 380-382	2011B1330	BL28B2	山添 誠司	Needle-like NaNbO <sub>3</sub> Synthesis via Nb <sub>6</sub> O <sub>19</sub> <sup>8-</sup> Cluster Using Na <sub>3</sub> NbO <sub>4</sub> Precursor by Dissolution-Precipitation Method
			2010A1499	BL28B2	山添 誠司	
			2009A1401	BL28B2	山添 誠司	
			2008B1101	BL01B1	山添 誠司	

## Macromolecules

23465	Hanako Asai	46 (2013) 2369-2375	2012A1561	BL04B2	浅井 華子	Solvation Structure of Poly(ethylene glycol) in Ionic Liquids Studied by High-energy X-ray Diffraction and Molecular Dynamics Simulations
23596	Toshiji Kanaya	46 (2013) 3031-3036	2010A1259	BL40XU	金谷 利治	Precursor of Shish-Kebab above the Melting Temperature by Microbeam X-ray Scattering
			2011A1076	BL40XU	金谷 利治	
23969	Keiko Oyamada	46 (2013) 4589-4595	2010A1587	BL40B2	中村 泰子	Lyotropic Liquid Crystallinity of Amylose Tris(alkylcarbamates): Cholesteric and Smectic Phase Formation in Different Solvents
			2011A1049	BL40B2	寺尾 憲	
			2011A1925	BL40B2	寺尾 憲	
			2011B1068	BL40B2	寺尾 憲	
24001	Kazuya Matsui	46 (2013) 4438-4446	2011A1960	BL45XU	篠原 佑也	Influence of Branch Incorporation into the Lamella Crystal on the Crystallization Behavior of Polyethylene with Precisely Spaced Branches
24036	Tatsuya Ishikawa	46 (2013) 4081-4088	2010B1007	BL40B2	高原 淳	Chain Conformation of Poly[2-(methacryloyloxy)ethyltrimethylammonium chloride] in Aqueous Sodium Chloride Solutions
			2011A1001	BL40B2	高原 淳	

## Dalton Transactions

23563	Minori Taguchi	42 (2013) 7167-7176	2011B4505	BL15XU	名嘉 節	Reaction Temperature Variations on the Crystallographic State of Spinel Cobalt Aluminate
23677	Keiichi Katoh	41 (2012) 13543-13766	2011A1218	BL40XU	安田 伸広	Multiple-Decker Phthalocyaninato Dinuclear Lanthanoid(III) Single-Molecule Magnets with Dual-Magnetic Relaxation Processes
			2011A1219	BL02B1	安田 伸広	
			2011B1181	BL40XU	安田 伸広	
23948	Wei-Tin Chen	42 (2013) 10116-10120	2011B1664	BL02B2	遠山 武範	Frustration Relieved Ferrimagnetism in Novel A- and B-Site-Ordered Quadruple Perovskite
			2012A1006	BL25SU	島川 祐一	
24070	H. Isobe	41 (2012) 13727-13740	2010B1249	BL41XU	沈 建仁	Theoretical Illumination of Water-Inserted Structures of the CaMn <sub>4</sub> O <sub>5</sub> Cluster in the S <sub>2</sub> and S <sub>3</sub> States of Oxygen-Evolving Complex of Photosystem II: Full Geometry Optimizations by B3LYP Hybrid Density Functional
			2011A1130	BL41XU	沈 建仁	
			2011B1329	BL41XU	沈 建仁	
			2012A1245	BL41XU	沈 建仁	

## Journal of Molecular Biology

23695	Qing Chang	425 (2013) 1869-1880	2011B1070	BL41XU	仁田 亮	Structural Basis for the ATP-Induced Isomerization of Kinesin
			2012A1143	BL41XU	仁田 亮	
23736	Junya Kobayashi	425 (2013) 1852-1868	2011B1083	BL41XU	松浦 能行	Structural Basis for Cell-Cycle-Dependent Nuclear Import Mediated by the Karyopherin Kap121p
			2011A1093	BL41XU	松浦 能行	
			2010B1072	BL41XU	松浦 能行	
23833	Yuya Hanazono	422 (2012) 100-108	2010A1290	BL41XU	竹田 一旗	Structural Studies on the Oligomeric Transition of a Small Heat Shock Protein, StHsp14.0
			2010B1204	BL41XU	竹田 一旗	
			2011A1255	BL41XU	竹田 一旗	
23933	Daisuke Sasaki	425 (2013) 1627-1640	2012A1346	BL41XU	三木 邦夫	Identification and Structure of a Novel Archaeal hypB for [NiFe] Hydrogenase Maturation
			2011A1288	BL41XU	三木 邦夫	
			2010B1229	BL41XU	三木 邦夫	
			2010A1210	BL41XU	三木 邦夫	

## Journal of the Electrochemical Society -1-

23817	Naoaki Yabuuchi	160 (2013) A3131-A3137	2012A1672	BL02B2	駒場 慎一	Synthesis and Electrode Performance of O3-Type NaFeO <sub>2</sub> -NaNi <sub>1/2</sub> Mn <sub>1/2</sub> O <sub>2</sub> Solid Solution for Rechargeable Sodium Batteries
23818	Naoaki Yabuuchi	160 (2013) A39-A45	2010B1727	BL02B2	駒場 慎一	Structural and Electrochemical Characterizations on Li <sub>2</sub> MnO <sub>3</sub> -LiCoO <sub>2</sub> -LiCrO <sub>2</sub> System as Positive Electrode Materials for Rechargeable Lithium Batteries

Journal of the Electrochemical Society -2-

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
24004	Yuki Orikasa	160 (2013) A3061-A3065	2011B1021	BL40XU	小久見 善八	Phase Transition Analysis between LiFePO <sub>4</sub> and FePO <sub>4</sub> by In-Situ Time-Resolved X-ray Absorption and X-ray Diffraction
			2011B1034	BL46XU	小久見 善八	
			2011B1908	BL01B1	折笠 有基	
			2012A7601	BL28XU	小久見 善八	
			2012B7601	BL28XU	小久見 善八	
			2012A1678	BL01B1	折笠 有基	
24006	Daiko Takamatsu	160 (2013) A3054-A3060	2011B1037	BL01B1	小久見 善八	Effects of ZrO <sub>2</sub> Coating on LiCoO <sub>2</sub> Thin-Film Electrodes Studied by In Situ X-ray Absorption Spectroscopy
			2011B1023	BL37XU	小久見 善八	
			2011B1022	BL37XU	小久見 善八	
			2011A1012	BL37XU	小久見 善八	
			2010B1029	BL37XU	小久見 善八	
			2010A1016	BL01B1	小久見 善八	
			2010A1015	BL37XU	小久見 善八	
2009B1027	BL01B1	小久見 善八				

Nature Communications

23564	Masaaki Miyahara	4 (2013) 1737	2011A0028	BL10XU	大谷 栄治	Discovery of Seifertite in a Shocked Lunar Meteorite
			2012A0028	BL10XU	大谷 栄治	
23620	Toshiyuki Sasaki	4 (2013) 1787	2012A1570	BL38B1	佐々木 俊之	Linkage Control between Molecular and Supramolecular Chirality in 2 <sub>1</sub> -helical Hydrogen-Bonded Networks Using Achiral Components
			2012B1324	BL38B1	久木 一朗	
23701	Hiroyuki Sasanuma	4 (2013) 1676	2008A6500	BL44XU	山下 栄樹	A New Protein Complex Promoting the Assembly of Rad51 Filaments
			2008B6500	BL44XU	山下 栄樹	
			2009B6500	BL44XU	山下 栄樹	
24079	Yuki Ishiguro	4 (2013) 2022	2011B1408	BL35XU	若林 裕助	Dynamical Spin-Orbital Correlation in the Frustrated Magnet Ba <sub>3</sub> CuSb <sub>2</sub> O <sub>9</sub>

Biochemistry

23936	Kuchenreuther Jon	52 (2013) 818-826	2011A0032	BL09XU	Cramer Stephen	Nuclear Resonance Vibrational Spectroscopy and Electron Paramagnetic Resonance Spectroscopy of <sup>57</sup> Fe-Enriched [FeFe] Hydrogenase Indicate Stepwise Assembly of the H-Cluster
			2012A0032	BL09XU	Cramer Stephen	
24067	Sandra Lubner	50 (2011) 6308-6311	2010B1249	BL41XU	沈 建仁	S <sub>1</sub> -State Model of the O <sub>2</sub> -Evolving Complex of Photosystem II
			2011A1130	BL41XU	沈 建仁	
24069	Keisuke Saito	51 (2012) 4290-4299	2010B1249	BL41XU	沈 建仁	Deformation of Chlorin Rings in the Photosystem II Crystal Structure
			2011A1130	BL41XU	沈 建仁	

Chemical Physics Letters

22323	Takuya Hosokai	544 (2012) 34-38	2011A0036	BL19B2	吉本 則之	<i>In-situ</i> Structural Characterization of Picene Thin Films by X-ray Scattering: Vacuum versus O <sub>2</sub> Atmosphere
			2011A1843	BL19B2	小金澤 智之	
23934	Ayako Shinozaki	574 (2013) 66-70	2012B1104	BL43IR	篠崎 彩子	<i>In-situ</i> Spectroscopic Observations of Pressure-Induced Condensation of Trimethylsilanol and Behavior of Dehydrated Molecular Water
24068	S. Yamanaka	511 (2011) 138-145	2010A1139	BL41XU	沈 建仁	Possible Mechanisms for the O-O Bond Formation in Oxygen Evolution Reaction at the CaMn <sub>4</sub> O <sub>5</sub> (H <sub>2</sub> O) <sub>4</sub> Cluster of PSII Refined to 1.9 Å X-ray Resolution
			2010B1249	BL41XU	沈 建仁	
			2011A1130	BL41XU	沈 建仁	

Chemistry - A European Journal

18129	Takato Mitsudome	16 (2010) 11818-11821	2010A1081	BL01B1	金田 清臣	Room-Temperature Deoxygenation of Epoxides with CO Catalyzed by Hydrotalcite-Supported Gold Nanoparticles in Water
23983	Harunobu Komatsu	19 (2013) 5956-5960	2012A1345	BL40B2	前田 大光	Formation of Cyclic and Polymeric Structures from Zwitterions
24257	Fadlilatul Taufany	19 (2013) 905-915	2012A4130	BL12B2	Hwang Bing Joe	Relating the Composition of Pt <sub>x</sub> Ru <sub>100-x</sub> /C Nanoparticles to Their Structural Aspects and Electrocatalytic Activities in the Methanol Oxidation Reaction

## Earth and Planetary Science Letters

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
22826	Satoshi Okumura	362 (2013) 163-170	2010B1001	BL20B2	奥村 聡	Coupled Effect of Magma Degassing and Rheology on Silicic Volcanism
			2011A1080	BL20B2	奥村 聡	
			2011B1003	BL20B2	奥村 聡	
24042	Seiji Kamada	359-360 (2012) 26-33	2011A0028	BL10XU	大谷 栄治	Melting Relationships in the Fe-Fe <sub>3</sub> S System up to the Outer Core Conditions
			2010B0028	BL10XU	大谷 栄治	
			2010A0028	BL10XU	大谷 栄治	
			2009B0028	BL10XU	大谷 栄治	
			2012A0028	BL10XU	大谷 栄治	
24146	Hidetoshi Asanuma	310 (2011) 113-118	2008A1144	BL10XU	大谷 栄治	Static Compression of Fe <sub>0.83</sub> Ni <sub>0.09</sub> Si <sub>0.08</sub> Alloy to 374 GPa and Fe <sub>0.93</sub> Si <sub>0.07</sub> Alloy to 252 GPa: Implications for the Earth's Inner Core
			2008B1582	BL10XU	大谷 栄治	

## Electrochemistry

23444	Kyungsu Kim	80 (2012) 800-803	2007B3672	BL14B1	菅野 了次	Characterization of Nano-Sized Epitaxial Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> (110) Film Electrode for Lithium Batteries
23800	Naoaki Yabuuchi	80 (2012) 716-719	2011B1729	BL02B2	駒場 慎一	Crystal Structures and Electrode Performance of Alpha-NaFeO <sub>2</sub> for Rechargeable Sodium Batteries
23916	Keita Naito	79 (2011) 256-260	2008B1207	BL13XU	星 永宏	Surface X-ray Scattering of Pd(111) and Pd(100) Electrodes during the Oxygen Reduction Reaction
			2009A1291	BL13XU	星 永宏	
			2009B1290	BL13XU	星 永宏	

## Geochimica et Cosmochimica Acta

22476	Yuka Yokoyama	91 (2012) 202-219	2009B1205	BL01B1	高橋 嘉夫	Differences in the Immobilization of Arsenite and Arsenate by Calcite
			2010B1347	BL01B1	高橋 嘉夫	
			2011A1151	BL27SU	高橋 嘉夫	
			2011A1611	BL01B1	横山 由佳	
23519	Ryoichi Nakada	103 (2013) 49-62	2011B1279	BL01B1	高橋 嘉夫	Isotopic and Speciation Study on Cerium during Its Solid-Water Distribution with Implication for Ce Stable Isotope as a Paleo-Redox Proxy
			2010B1347	BL01B1	高橋 嘉夫	
			2010B1295	BL01B1	高橋 嘉夫	
23520	Masato Tanaka	105 (2013) 360-371	2011B1569	BL01B1	高橋 嘉夫	The Difference of Diffusion Coefficients in Water for Arsenic Compounds at Various pH and Its Dominant Factors Implied by Molecular Simulations

## Inorganic Chemistry

23298	Mikiko Ochi	52 (2013) 3985-3989	2010B1707	BL02B2	山田 幾也	<i>B</i> -Site Deficiencies in <i>A</i> -Site-Ordered Perovskite LaCu <sub>3</sub> Pt <sub>3.75</sub> O <sub>12</sub>
			2011B1009	BL47XU	山田 幾也	
			2011B1094	BL02B2	山田 幾也	
			2012A1660	BL27SU	山田 幾也	
23971	Takashi Saito	51 (2012) 5095-5098	2011A1532	BL02B2	島川 祐一	Magnetic Interactions in <i>A</i> -Site-Ordered Perovskites LnCu <sub>3</sub> (Ge <sub>3/4</sub> Ga <sub>1/4</sub> ) <sub>4</sub> O <sub>12</sub> (Ln = La, Dy)
24327	Tatsunori Sakaguchi	51 (2012) 11371-11376	2009B4910	BL15XU	陰山 洋	Oxyhydrates of (Ca,Sr,Ba)TiO <sub>3</sub> Perovskite Solid Solutions
			2010A4900	BL15XU	陰山 洋	
			2010B4904	BL15XU	小林 洋治	
			2011A4902	BL15XU	Tassel Cedric	

## The Journal of Biological Chemistry

23565	Yasuhito Shomura	287 (2012) 28409-28419	2011B6623	BL44XU	庄村 康人	Structural Basis for the Reaction Mechanism of S-Carbamoylation of HypE by HypF in the Maturation of [NiFe]-Hydrogenases
23625	Tasuku Ito	288 (2013) 11795-11806	2011A1908	BL26B1	伏信 進矢	Crystal Structures of a Glycoside Hydrolase Family 20 Lacto- <i>N</i> -biosidase from <i>Bifidobacterium bifidum</i>
23932	Masahiro Fujihashi	288 (2013) 9011-9016	2006B1212	BL41XU	藤橋 雅宏	Atomic Resolution Structure of the Orotidine 5'-Monophosphate Decarboxylase Product Complex Combined with Surface Plasmon Resonance Analysis <i>Implications for the Catalytic Mechanism</i>

**The Journal of Chemical Physics**

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
23525	Kenta Fujii	138 (2013) 151101	2009B1423	BL35XU	藤井 健太	Collective Dynamics of Room-Temperature Ionic Liquids and Their Li Ion Solutions Studied by High-Resolution Inelastic X-ray Scattering
			2009B1468	BL04B2	藤井 健太	
			2011A1373	BL35XU	梅林 泰宏	
23758	Jin-Ming Chen	137 (2012) 244702	2011B4262	BL12XU	Chen Jin-Ming	Electric Structure and Characteristics of Fe 3d Valence States of Fe <sub>1.01</sub> Se Superconductors under Pressure Probed by X-ray Absorption Spectroscopy and Resonant X-ray Emission Spectroscopy
			2012A4257	BL12XU	Chen Jin-Ming	
			2012B4257	BL12XU	Chen Jin-Ming	
23953	An-Pang Tsai	138 (2013) 144701	2010A4601	BL15XU	下田 正彦	Effect of Electronic Structures on Catalytic Properties of CuNi Alloy and Pd in MeOH-Related Reactions
			2011B4607	BL15XU	下田 正彦	

**Materials Research Society Symposia Proceedings**

23779	Takeshi Harada	1528 (2013) V10-10	2011B1056	BL04B2	水野 章敏	Influence of Oxygen Impurity on Containerless Solidification of Quasicrystalline-forming Zr <sub>80</sub> Pt <sub>20</sub> Alloy
23783	Akitoshi Mizuno	1528 (2013) V10-05	2012B1183	BL04B2	小原 真司	Density and Structure of Liquid Si-M (M=Fe, Ni, and Ge) Alloys
24345	Katsushi Tanaka	1528 (2013) VV4.05	2011B1406	BL35XU	田中 克志	Difference in Elastic Properties of CrB <sub>2</sub> Determined by Microscopic and Macroscopic Measurements
			2012A1390	BL35XU	田中 克志	

**Physics and Chemistry of Minerals**

23816	Lidong Dai	40 (2013) 195-201	2011B0087	BL10XU	廣瀬 敬	Sound Velocities of Na <sub>0.4</sub> Mg <sub>0.6</sub> Al <sub>1.6</sub> Si <sub>0.4</sub> O <sub>4</sub> NAL and CF Phases to 73 GPa Determined by Brillouin Scattering Method
			2012A0087	BL10XU	廣瀬 敬	
23822	Masanao Noguchi	40 (2013) 81-91	2011A0087	BL10XU	廣瀬 敬	High-Temperature Compression Experiments of CaSiO <sub>3</sub> Perovskite to Lowermost Mantle Conditions and Its Thermal Equation of State
			2011B0087	BL10XU	廣瀬 敬	
23907	Xianyu Liu	40 (2013) 467-478	2011B1990	BL19B2	神崎 正美	Crystal Structures of Zn <sub>2</sub> SiO <sub>4</sub> III and IV Synthesized at 6.5-8 GPa and 1,273 K

**Polymer Journal**

22669	Goshu Tamura	44 (2012) 240-244	2009B1202	BL45XU	秋葉 勇	Dependence of the Swelling of a pH-responsive PEG-Modified Nanogel on the Cross-Link Density
			2009B7200	BL03XU	北古賀 秀敏	
23200	Kazuki Mita	45 (2013) 79-86	2010A7229	BL03XU	三田 一樹	Simultaneous Small- and Wide-Angle X-ray Scattering Studies on the Crystallization Dynamics of Poly(4-methylpentene-1) from Melt
			2010B7274	BL03XU	三田 一樹	
			2011A7220	BL03XU	三田 一樹	
			2011B7270	BL03XU	三田 一樹	
23897	Kyoung-Hou Kim	44 (2012) 1030-1035	2008B1264	BL40B2	大越 豊	<i>In situ</i> Study of Fiber Structure Development of Poly(butylene terephthalate) in a Continuous Laser-Heated Drawing Process

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

23485	Hiroyuki Terashima	110 (2013) 6133-6138	2007B1888	BL38B1	今田 勝巳	Insight into the Assembly Mechanism in the Supramolecular Rings of the Sodium-Driven <i>Vibrio</i> Flagellar Motor from the Structure of FlgT
			2009A1012	BL41XU	山本 雅貴	
			理研	BL32XU		
			2009A1351	BL41XU	今田 勝巳	
24071	Faisal Hammad Mekky Koua	110 (2013) 3889-3894	2011A1130	BL41XU	沈 建仁	Structure of Sr-Substituted Photosystem II at 2.1 Å Resolution and its Implications in the Mechanism of Water Oxidation
			2011B1329	BL41XU	沈 建仁	
			2012A1245	BL41XU	沈 建仁	
			2012B1399	BL41XU	沈 建仁	
24145	Jaakko Akola	110 (2013) 10129-10134	2006B1461	BL04B2	小原 真司	Network Topology for the Formation of Solvated Electron in Binary CaO-Al <sub>2</sub> O <sub>3</sub> Composition Glasses
			2008B1166	BL01B1	中平 敦	

**Acta Crystallographica Section D**

23312	Vladimir A. Meshcheryakov	67 (2011) 822-825	2009A1987	BL41XU	Samatey Fadel	Structure of a Tropomyosin N-terminal Fragment at 0.98 Å Resolution
23910	Sebastian Veit	68 (2012) 1400-1408	2010B1321	BL41XU	竹田 一旗	Structure of a Thermophilic Cyanobacterial b <sub>6</sub> f-type Rieske Protein
			2011B2068	BL26B1	竹田 一旗	

## Analytical Sciences

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
23464	Masaru Matsugami	29 (2013) 311-314	2009B1468	BL04B2	藤井 健太	Specific Solvation of Benzyl Methacrylate in 1-Ethyl-3-methylimidazolium Bis(trifluoromethanesulfonyl)amide Ionic Liquid
23521	Yoshio Takahashi	28 (2012) 985-992	2011A1702	BL14B2	高橋 嘉夫	Recovery and Separation of Rare Earth Elements Using Columns Loaded with DNA-filter Hybrid
			2011B1517	BL17SU	高橋 嘉夫	
			2012A1766	BL14B2	高橋 嘉夫	

## Applied Catalysis A: General

23773	Ryo Watanabe	457 (2013) 1-11	2011A1799	BL14B2	関根 泰	Role of Alkali Metal in a Highly Active Pd/alkali/Fe <sub>2</sub> O <sub>3</sub> Catalyst for Water Gas Shift Reaction
			2011B1913	BL14B2	関根 泰	
			2012A1717	BL14B2	関根 泰	
			2012B1826	BL14B2	関根 泰	
23774	Daiki Mukai	458 (2013) 71-81	2011A1799	BL14B2	関根 泰	Highly and Stably Dispersed Pt Catalysts Supported over La <sub>1-x</sub> Sr <sub>x</sub> AlO <sub>3-0.5x</sub> Perovskite for Oxidative Methane Activation and Their Structures
			2011B1913	BL14B2	関根 泰	
			2012A1717	BL14B2	関根 泰	
			2012B1826	BL14B2	関根 泰	

## Bulletin of the Chemical Society of Japan

23949	Takashi Saito	84 (2011) 802-806	2009B1360	BL02B2	齊藤 高志	Material Design and High-Pressure Synthesis of Novel A-Site-Ordered Perovskite AM <sub>3</sub> Al <sub>4</sub> O <sub>12</sub> (A = Y, Yb, and Dy) with Squre-Planar-Coordinated Mn <sup>3+</sup>
			2009B1017	BL27SU	島川 祐一	
			2009A1003	BL13XU	島川 祐一	
23960	Yuichi Shimakawa	86 (2013) 299-311	2009A1006	BL27SU	島川 祐一	Reduction and Oxidation of Transition-Metal Oxide Thin Films: Solid-State Chemistry with Epitaxially Grown Thin Films
			2008B1005	BL13XU	島川 祐一	

## Chemical Geology

23522	Satoshi Asaoka	334 (2012) 1-8	2011B1742	BL37XU	高橋 嘉夫	Comparison of Antimony and Arsenic Behavior in an Ichinokawa River Water-Sediment System
			2012A1299	BL01B1	高橋 嘉夫	
23523	Andrew G. Gault	281 (2011) 41-51	2008A1261	BL01B1	高橋 嘉夫	Microbial and Geochemical Features Suggest Iron Redox Cycling within Bacteriogenic Iron Oxide-rich Sediments
			2008B1528	BL01B1	高橋 嘉夫	

## Chemistry of Materials

23970	Youwen Long	24 (2012) 2235-2239	2009B1297	BL39XU	川上 隆輝	Pressure Effect on Intersite Charge Transfer in A-site-Ordered Double-Perovskite-Structure Oxide
24002	Yuki Orikasa	15 (2013) 1032-1039	2011B1908	BL01B1	折笠 有基	Transient Phase Change in Two Phase Reaction between LiFePO <sub>4</sub> and FePO <sub>4</sub> under Battery Operation
			2010B1028	BL01B1	小久見 善八	
			2010B1896	BL46XU	小久見 善八	
			2011A1009	BL01B1	小久見 善八	
			2011A1014	BL46XU	小久見 善八	

## CrystEngComm

22311	Toshiyuki Sasaki	14 (2012) 5749-5752	2012A1570	BL38B1	佐々木 俊之	Halogen Bond Effect on Bundling of Hydrogen Bonded 2-fold Helical Columns
23751	Hirohito Tsue	15 (2013) 1536-1544	2011B1303	BL02B2	津江 広人	Solid-Gas Sorption Behavior of a New Polymorph of Azacalix[5]arene Pentamethyl Ether as Controlled by Crystal Architecture
			2010B1496	BL02B2	津江 広人	

## FEBS Letters

23589	Tri-Nhan Nguyen	587 (2013) 1418-1423	2012A6612	BL44XU	金谷 茂則	Crystal Structure of Metagenome-Derived LC9-RNase H1 with Atypical DEDN Active Site Motif
23956	Asami Yamaoka	585 (2011) 1299-1302	2011B6647	BL44XU	森本 幸生	Cyanidioschyzon melorae Ferredoxin: A High Resolution Crystal Structure Analysis and Its Thermal Stability

## Geophysical Research Letters -1-

23517	Daisuke Yamazaki	39 (2012) L20308	2011B1452	BL04B1	山崎 大輔	P-V-T Equation of State for ε-iron up to 80 GPa and 1900 K Using the Kawai-Type High Pressure Apparatus Equipped with Sintered Diamond Anvils
			2012A1702	BL04B1	山崎 大輔	

**Geophysical Research Letters -2-**

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
23964	Li Wei Deng	40 (2013) 33-37	2011B1550	BL04B1	Seagle Christopher	High Pressure and Temperature Electrical Resistivity of Iron and Implications for Planetary Cores

**Green Chemistry**

16965	Takato Mitsudome	11 (2009) 793-797	2007B1529	BL01B1	金田 清臣	Supported Gold Nanoparticles as a Reusable Catalyst for Synthesis of Lactones from Diols Using Molecular Oxygen as an Oxidant under Mild Conditions
18128	Kohji Nagashima	12 (2010) 2142-2144	2010A1081	BL01B1	金田 清臣	Creation of High-Valent Manganese Species on Hydrotalcite and Its Application to Catalytic Aerobic Oxidation of Alcohols

**Heterocycles**

18134	Yusuke Mikami	80 (2010) 855-861	2010A1081	BL01B1	金田 清臣	Oxidant-free Lactonization of Diols Using a Hydrotalcite-Supported Copper Catalyst
19560	Yusuke Mikami	82 (2011) 1371-1377	2009A1535	BL01B1	金田 清臣	Reversible Dehydrogenation-Hydrogenation of Tetrahydroquinoline Quinoline Using a Supported Copper Nanoparticle Catalyst

**Journal of Physics B: Atomic, Molecular and Optical Physics**

23299	Isao H. Suzuki	46 (2013) 075101	2011A1079	BL27SU	長岡 伸一	A Variety of Characteristic Behaviour of Resonant $KL_{23}L_{23}$ Auger Decays Following Si K-Shell Photoexcitation of $SiCl_4$
24054	Tatsuo Gejo	46 (2013) 075102	2007A2022	BL27SU	下條 竜夫	Fluorescence Decay Processes Following Resonant 2p Photoexcitation of Ar Atoms and Clusters Studied Using a Time-Resolved Fluorescence and Photoion Coincidence Technique
			2007B1718	BL27SU	下條 竜夫	
			2009B1394	BL27SU	下條 竜夫	
			2009B1734	BL27SU	下條 竜夫	

**Journal of Structural Biology**

23588	Tri-Nhan Nguyen	182 (2013) 144-154	2011B6612	BL44XU	金谷 茂則	Crystal Structure of Metagenome-Derived LC11-RNase H1 in Complex with RNA/DNA Hybrid
23903	Hiroyuki Iwamoto	183 (2013) 33-39	2011B1341	BL45XU	岩本 裕之	Flight Muscle-Specific Pro-Ala-rich Extension of Troponin is Important for Maintaining the Insect-Type Myofilament Lattice Integrity
			2011B2081	BL40XU	岩本 裕之	
			2012A1272	BL45XU	岩本 裕之	

**Molecular Crystals and Liquid Crystals**

22320	Ryousuke Kamiya	568 (2012) 134-138	2011A0036	BL19B2	吉本 則之	Two Dimensional Grazing Incidence X-ray Diffraction of TIPS-Pentacene Thin Films
			2009B2070	BL19B2	吉本 則之	
			2010A1875	BL19B2	吉本 則之	
			2011A1843	BL19B2	小金澤 智之	
22321	Takeshi Watanabe	566 (2012) 18-21	2009B2070	BL19B2	吉本 則之	<i>In situ</i> Real-Time X-ray Diffraction during Thin Film Growth of Pentacene
			2010A1875	BL19B2	吉本 則之	
			2011A0036	BL19B2	吉本 則之	
			2011A1843	BL19B2	小金澤 智之	

**Nature**

23895	Linfeng Sun	490 (2012) 361-366	2011B0040	BL41XU	Yan Nieng	Crystal Structure of a Bacterial Homologue of Glucose Transporters GLUT1-4
24024	Shunsuke Tagami	468 (2010) 978-982	2009B1354	BL41XU	関根 俊一	Crystal Structure of Bacterial RNA Polymerase Bound with a Transcription Inhibitor Protein
			2009A1118	BL41XU	関根 俊一	
			2008B1193	BL41XU	関根 俊一	
			2008A1244	BL41XU	関根 俊一	
			2007B1138	BL41XU	関根 俊一	
			2006B1165	BL41XU	関根 俊一	
			2006A1362	BL41XU	関根 俊一	
2007A1152	BL41XU	関根 俊一				

**Physica Status Solidi B -1-**

22676	Paul Fons	249 (2012) 1919-1924	2011A1630	BL39XU	Fons Paul	Disorder in Order: A Study of Local and Global Order in Ge-rich Ge-Sb-Te Alloys
			2009B1206	BL01B1	Kolobov Alexander	

## Physica Status Solidi B -2-

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
23972	Yuichi Shimakawa	249 (2012) 423-434	2009A1003	BL13XU	島川 祐一	A-Site Magnetism in A-Site-Ordered Perovskite-Structure Oxides

## Physical Review Letters

23374	Junichi Yamaura	108 (2012) 247205	理研	BL19LXU		Tetrahedral Magnetic Order and the Metal-Insulator Transition in the Pyrochlore Lattice of Cd <sub>2</sub> Os <sub>2</sub> O <sub>7</sub>
			2009B1200	BL02B1	大串 研也	
23726	Ken-ichi Sakai	110 (2013) 096603	2011B1030	BL10XU	竹谷 純一	Anomalous Pressure Effect in Heteroacene Organic Field-effect Transistors

## PLoS One

23846	Kaye Morgan	8 (2013) e55822	2011A1590	BL20XU	Morgan Kaye	Measuring Airway Surface Liquid Depth in <i>Ex Vivo</i> Mouse Airways by X-ray Imaging for the Assessment of Cystic Fibrosis Airway Therapies
			2011A1306	BL20B2	Donnelley Martin	
24022	Hiroshi Sekiguchi	8 (2013) e64176	2010B1130	BL40XU	養王田 正文	ATP Dependent Rotation Motion of Group II Chaperonin Observed by X-ray Single Molecule Tracking
			2011B1368	BL40XU	養王田 正文	

## Review of Scientific Instruments

23877	Nobuhiro Yasuda	84 (2013) 063902	2009B1931	BL40XU	木村 滋	System of Laser Pump and Synchrotron Radiation Probe Microdiffraction to Investigate Optical Recording Process
			2009B1991	BL40XU	木村 滋	
			2010A0030	BL40XU	山田 昇	
			2010B0030	BL40XU	山田 昇	
			2011A0030	BL40XU	山田 昇	
			2011B0030	BL40XU	山田 昇	
			2012A0030	BL40XU	山田 昇	
24380	Zhenhua Chi	82 (2011) 105109	2009A1434	BL10XU	松岡 岳洋	Cryogenic Implementation of Charging Diamond Anvil Cells with H <sub>2</sub> and D <sub>2</sub>

## Structure

23929	Satoshi Watanabe	20 (2012) 2124-2137	2012A1346	BL41XU	三木 邦夫	Crystal Structures of the HypCD Complex and the HypCDE Ternary Complex: Transient Intermediate Complexes during [NiFe] Hydrogenase Maturation
			2011B1292	BL41XU	三木 邦夫	
			2011A1288	BL41XU	三木 邦夫	
			2010B1229	BL41XU	三木 邦夫	
			2010A1210	BL41XU	三木 邦夫	
			2009B1250	BL41XU	三木 邦夫	
			2009A1544	BL41XU	三木 邦夫	
			2008B1503	BL41XU	三木 邦夫	
			2008A1478	BL41XU	三木 邦夫	
23930	Yuya Hanazono	21 (2013) 220-228	2010A1290	BL41XU	竹田 一旗	Nonequivalence Observed for the 16-Meric Structure of a Small Heat Shock Protein, SpHsp16.0, from <i>Schizosaccharomyces Pombe</i>
			2007B1671	BL38B1	秋山 信彦	
			2012A1301	BL45XU	岡 俊彦	
			2011B1373	BL45XU	岡 俊彦	
			2009B1921	BL40B2	岡 俊彦	
2009A1874	BL40B2	岡 俊彦				

## Transactions of Materials Research Society of Japan

23592	Yasuhiro Yoneda	38 (2013) 109-112	2007B1181	BL08W	米田 安宏	Local Structure Analysis of SmFe <sub>2</sub> and TbFe <sub>2</sub>
			2010A1065	BL08W	阿部 浩之	
23594	Yasuhiro Yoneda	37 (2012) 579-582	2011A3608	BL14B1	米田 安宏	X-ray Emission Spectroscopy of Ta-Related Oxides
			2011B3607	BL14B1	米田 安宏	
			2012A3608	BL14B1	米田 安宏	

## 日本結晶学会誌 (Journal of the Crystallographic Society of Japan) -1-

23752	Hirohito Tsue	55 (2013) 37-41	2011B1303	BL02B2	津江 広人	Nonporous but yet Gas-Sorbing Molecular Crystals Formed by Macrocyclic Compounds with Nitrogen-Bridges
			2010B1496	BL02B2	津江 広人	
			2010A1346	BL02B2	津江 広人	
			2009A1425	BL02B2	津江 広人	

日本結晶学会誌 (Journal of the Crystallographic Society of Japan) -2-

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
24091	Takasada Shibauchi	55 (2013) 128-134	2011A1200	BL02B1	芝内 孝禎	Electronic Nematic Transition and Orthorhombic Distortion in Iron-Based Superconductors
			2011B1897	BL02B1	芝内 孝禎	
			2012A1182	BL02B1	芝内 孝禎	

ACS Marco Letters

23619	Hui Wu	2 (2013) 414-418	2012A1291	BL40XU	高原 淳	Confinement-Induced Crystal Growth in One- Dimensional Isotactic Polystyrene Nanorod Arrays
			2012B1231	BL40XU	高原 淳	

Acta Crystallographica Section B

21672	Kouichi Kifune	67 (2011) 381-385	2006A1649	BL02B2	木船 弘一	Crystallization of the Chalcogenide Compound $Sb_3Te_3$
			2006B1574	BL02B2	木船 弘一	
			2008A0096	BL02B2	西堀 英治	
			2008A1315	BL02B2	木船 弘一	
			2009B0084	BL02B2	久保田 佳基	

Acta Dermato Venereologica

23396	Ichiro Iwai	93 (2013) 138-143	2007B1808	BL40B2	國澤 直美	Stratum Corneum Drying Drives Vertical Compression and Lipid Organization and Improves Barrier Function <i>In vitro</i>
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Acta Materialia

23325	Xinghua Yu	61 (2013) 2194-2206	2011B1968	BL46XU	寺崎 秀紀	Correlation of Precipitate Stability to Increased Creep Resistance of Cr-Mo Steel Welds
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Advanced in Experimental Medicine and Biology

23581	Shinya Yoshikawa	748 (2012) 215-236	2010A6500	BL44XU	山下 栄樹	Reaction Mechanism of Mammalian Mitochondrial Cytochrome <i>c</i> Oxidase
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Advanced Materials

24056	Tomoya Taguchi	24 (2012) 6462-6467	2009B1471	BL40B2	磯崎 勝弘	Enhanced Catalytic Activity of Self-Assembled- Monolayer-Capped Gold Nanoparticles
			2010B1744	BL40B2	磯崎 勝弘	
			2012A1575	BL40B2	田口 知弥	

Advanced Synthesis and Catalysis

16968	Takato Mitsudome	351 (2009) 1890-1896	2008B1485	BL01B1	金田 清臣	Efficient Aerobic Oxidation of Alcohols using a Hydrotalcite-Supported Gold Nanoparticle Catalyst
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AIP Advances

23451	Hiroo Omi	3 (2013) 042107	2011B3102	BL24XU	尾身 博雄	Mixture Formation of $Er_xYb_{2-x}Si_2O_7$ and $Er_xYb_{2-x}O_3$ on Si for Broadening the C-band in an Optical Amplifier
			2012A3102	BL24XU	尾身 博雄	

AIP Conference Proceedings

24083	Daisuke Yamauchi	1466 (2012) 237-242	2008A1211	BL20B2	山内 大輔	Extracting Tissue and Cell Outlines of Arabidopsis Seeds using Refraction Contrast X-ray CT at the SPring-8 Facility
			2009B1453	BL20B2	山内 大輔	
			2010B1473	BL20XU	峰雪 芳宣	
			2011A1414	BL20XU	峰雪 芳宣	
			2011A1430	BL20B2	唐原 一郎	

American Mineralogist

23824	Jinya Kato	98 (2013) 335-339	2009B0087	BL10XU	廣瀬 敬	High-Pressure Experiments on Phase Transition Boundaries between Corundum, $Rh_2O_3(II)$ - and $CaIrO_3$ - Type Structure in $Al_2O_3$
			2010A0087	BL10XU	廣瀬 敬	

Annals of Botany

24085	Ichirou Karahara	110 (2012) 503-509	2009A1304	BL20B2	唐原 一郎	Demonstration of Osmotically Dependent Promotion of Aerenchyma Formation at Different Levels in the Primary Roots of Rice using a 'Sandwich' Method and X-ray Computed Tomography
			2010B1043	BL20B2	唐原 一郎	
			2011A1430	BL20B2	唐原 一郎	

## Annual Review of Earth and Planetary Sciences

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
23905	Kei Hirose	41 (2013) 657-691	2012A0087	BL10XU	廣瀬 敬	Composition and State of the Core

## Biochimica et Biophysica Acta - Bioenergetics

23583	Shinya Yoshikawa	1817 (2012) 579-589	2010A6500	BL44XU	山下 栄樹	Structural Studies on Bovine Heart Cytochrome c Oxidase
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## Biochimica et Biophysica Acta - General Subjects

23487	Koji Yamamoto	1830 (2013) 3711-3718	2012A6756	BL44XU	山本 幸治	Crystal Structure of a <i>Bombyx mori</i> Sigma-Class
			2011B6651	BL44XU	山本 幸治	Glutathione Transferase Exhibiting Prostaglandin E
			2011A6651	BL44XU	山本 幸治	Synthase Activity

## Biomedical Optics Express

24059	Nobuhito Nango	4 (2013) 917-923	2005B0976	BL20XU	鈴木 芳生	Raibot-Defocus Multiscan Tomography Using the Synchrotron X-ray Microscope to Study the Lacuno-Canalicular Network in Mouse Bone
			2006A1377	BL20XU	百生 敦	
			2006B1141	BL20XU	百生 敦	
			2007A1137	BL20XU	百生 敦	
			2007A1848	BL20XU	松尾 光一	
			2007B1130	BL20XU	百生 敦	
			2007B1787	BL20XU	松尾 光一	
			2008A1279	BL20XU	松尾 光一	
			2008B1508	BL20XU	松尾 光一	
			2009A1195	BL20XU	松尾 光一	
			2009A1871	BL20XU	南郷 脩史	
2010B1438	BL20XU	南郷 脩史				

## Biophysical Journal

23778	Taichi Nakanishi	104 (2013) 377-385	2011B1114	BL38B1	神山 勉	Large Deformation of Helix F during the Photoreaction Cycle of Pharaonis Halorhodopsin in Complex with Azide
			2011A1481	BL26B2	神山 勉	

## Carbon

23729	Akira Kubota	56 (2013) 50-55	2009A1124	BL04B2	坪田 雅己	Synthesis and Characterization of Magnesium-Carbon Compounds for Hydrogen Storage
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## Catalysis Letters

23775	Keisuke Yamamuro	143 (2013) 339-344	2011A1799	BL14B2	関根 泰	Hydrogen Production by Water Gas Shift Reaction Over Pd-K Impregnated Co Oxide Catalyst
			2011B1913	BL14B2	関根 泰	
			2012A1717	BL14B2	関根 泰	
			2012B1826	BL14B2	関根 泰	

## Catalysis Today

23786	Tomoyuki Kitano	192 (2012) 189-196	2009B1398	BL01B1	穴戸 哲也	Generation of Brønsted Acid Sites on Al <sub>2</sub> O <sub>3</sub> -supported Ta <sub>2</sub> O <sub>5</sub> Calcined at High Temperature
			2010B1184	BL01B1	穴戸 哲也	

## Chemistry - An Asian Journal

23748	Michiyasu Sakagami	8 (2013) 690-693	2011B1545	BL40XU	高谷 光	1,2-Bis(ferrocenyl)-Substituted Distibene and Dibismuthene: Sb=Sb and Bi=Bi Units as $\pi$ Spacers between Two Ferrocenyl Units
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## Crystal Growth &amp; Design

23618	Hidehiro Uekusa	13 (2013) 2060-2066	2011A1935	BL02B2	植草 秀裕	Solid-State Hydration/Dehydration of Erythromycin A Investigated by ab Initio Powder X-ray Diffraction Analysis: Stoichiometric and Nonstoichiometric Dehydrated Hydrate
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**Crystals**

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
24032	Takahiko Sasaki	2 (2012) 374-392	2011B1287	BL43IR	佐々木 孝彦	Mott-Anderson Transition in Molecular Conductors: Influence of Randomness on Strongly Correlated Electrons in the $\kappa$ -(BEDT-TTF) <sub>2</sub> X System
			2011A1170	BL43IR	佐々木 孝彦	

**Ferroelectrics**

23985	Yuuki Kitanaka	443 (2013) 1-7	2011B1386	BL02B1	野口 祐二	Synchrotron Radiation Analyses of Domain Switching and Lattice Strain Behaviors for Ferroelectric (Bi <sub>0.5</sub> Na <sub>0.5</sub> )TiO <sub>3</sub> Single Crystals under Electric Fields
			2012A1359	BL02B1	野口 祐二	
			2012B1243	BL02B1	野口 祐二	

**Frontiers in Chemistry**

24317	Seiki Wada	1 (2013) Article 8	2011A1977	BL01B1	泉 康雄	Catalytic Conversion of Carbon Dioxide into Dimethyl Carbonate Using Reduced Copper-Cerium Oxide Catalysts as Low as 353 K and 1.3 MPa and the Reaction Mechanism
			2011A1978	BL01B1	泉 康雄	

**High Pressure Research**

23597	Shuangmeng Zhai	33 (2013) 1-7	2011A1072	BL04B1	Zhai Shuangmeng	Compressibility of Pyrochlore-Type MgZrSi <sub>2</sub> O <sub>7</sub> Determined by <i>in situ</i> X-ray Diffraction in a Large-Volume High Pressure Apparatus
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**Hyperfine Interactions**

22900	Yisong Guo	(2012) Online published 04 Oct. 2012	2006B1215	BL09XU	Cramer Stephen	Nuclear Resonance Vibrational Spectroscopy (NRVS) of Rubredoxin and MoFe Protein Crystals
			2010B0032	BL09XU	Cramer Stephen	
			2011A0032	BL09XU	Cramer Stephen	
			2011B0032	BL09XU	Cramer Stephen	
			2012A0032	BL09XU	Cramer Stephen	

**IEEE Transactions on Applied Superconductivity**

23727	Hidetoshi Oguro	23 (2013) 8400304	2011B1977	BL46XU	菅野 未知央	Relation Between the Crystal Axis and the Strain Dependence of Critical Current Under Tensile Strain for GdBCO Coated Conductors
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**International Journal of Hydrogen Energy**

23721	Naruki Endo	38 (2013) 6726-6729	2012A3602	BL14B1	遠藤 成輝	Formation of BCC TiFe Hydride under High Hydrogen Pressure
			2012B3603	BL14B1	遠藤 成輝	
			2012B3602	BL14B1	齋藤 寛之	

**Journal of Applied Crystallography**

23711	Hiroyasu Masunaga	46 (2013) 577-579	2007B1970	BL40B2	増永 啓康	Accurate Measurements of Intrinsic Scattering from Window Materials by Use of a Vacuum Camera
			2010B2000	BL03XU	増永 啓康	
			2011A2045	BL03XU	増永 啓康	

**Journal of Applied Glycoscience**

23798	Yoshiaki Yuguchi	60 (2013) 131-135	2011B1277	BL40B2	湯口 宜明	Extension of Branched Chain of Amylopectin by Enzymatic Reaction and its Structural Characterization
			2012A1261	BL40B2	湯口 宜明	

**Journal of Biomolecular NMR**

23379	Yoshikazu Hattori	55 (2013) 19-31	2012B6708	BL44XU	大木 出	Utilization of Lysine <sup>13</sup> C-methylation NMR for Protein-Protein Interaction Studies
			2012B1544	BL41XU	大木 出	

**Journal of Bioscience and Bioengineering**

24088	Tsutomu Nakamura	114 (2012) 150-154	2011A1986	BL38B1	中村 努	Characterization and Crystal Structure of the Thermophilic ROK Hexokinase from <i>Thermus thermophilus</i>
			2011A6605	BL44XU	上垣 浩一	
			2011B6605	BL44XU	上垣 浩一	

**Journal of Catalysis**

23814	Keita Taniya	288 (2012) 84-91	2009B1477	BL01B1	谷屋 啓太	Preparation of Sn-Modified Silica-Coated Pt Catalysis: A New Pt-Sn Bimetallic Model Catalyst for Selective Hydrogenation of Crotonaldehyde
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**Journal of Condensed Matter Nuclear 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
23844	Yasuhiro Iwamura	4 (2011) 132-144	2008A1371	BL37XU	岩村 康弘	Observation of Low Energy Nuclear Transmutation Reactions Induced by Deuterium Permeation through Multilayer Pd and CaO Thin Film

**Journal of Crystal Growth**

23931	Nobutaka Numoto	367 (2013) 53-56	2011B2070	BL26B2	藤橋 雅宏	Observation of the Orientation of Membrane Protein Crystals Grown in High Magnetic Force Fields
			2011A1996	BL38B1	三木 邦夫	

**Journal of Inorganic Biochemistry**

23428	Toshiyuki Chatake	124 (2013) 15-25	2007B1503	BL38B1	茶竹 俊行	Direct Interactions between Z-DNA and Alkaline Earth Cations, Discovered in the Presence of High Concentrations of MgCl <sub>2</sub> and CaCl <sub>2</sub>
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**Journal of Instrumentation**

23979	Masato Hoshino	8 (2013) C05002	2011A1423	BL20B2	星野 真人	Development of X-ray Triscopic Imaging System towards Three-Dimensional Measurements of Dynamical Samples
			2011B1046	BL20B2	上杉 健太郎	
			2011B1420	BL20B2	星野 真人	
			2012A1369	BL20B2	星野 真人	

**Journal of Materials Chemistry**

23977	Wei-Tin Chen	20 (2010) 7282-7286	2007B1004	BL02B2	島川 祐一	Charge Transfer and Antiferromagnetic Order in the A-Site-Ordered Perovskite LaCu <sub>3</sub> Fe <sub>4</sub> O <sub>12</sub>
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**Journal of Materials Chemistry A**

23610	Yuka Kobayashi	1 (2013) 5089-5096	2012A4615	BL15XU	小林 由佳	Room-Temperature Proton Transport and its Effect on Thermopower in a Solid Ionic Semiconductor, TTFCOONH <sub>4</sub>
			2010B0084	BL02B2	久保田 佳基	

**Journal of Molecular Catalysis A: Chemical**

23788	Tomoyuki Kitano	371 (2013) 21-28	2009A1606	BL01B1	穴戸 哲也	Brønsted Acid Generation of Alumina-Supported Molybdenum Oxide Calcined at High Temperatures: Characterization by Acid-Catalyzed Reactions and Spectroscopic Method
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**Journal of Muscle Research and Cell Motility**

23864	Julien Ochala	(2013) Online published	2008B1972	BL45XU	Ochala Julien	Myofilament Lattice Structure in Presence of a Skeletal Myopathy-related Tropomyosin Mutation
			2009B1918	BL45XU	Ochala Julien	

**Journal of Non-Crystalline Solids**

24030	Atsunobu Masuno	358 (2012) 3505-3509	2008B1040	BL02B2	増野 敦信	Giant Dielectric Response with Metastable Phase Crystallization from Ba <sub>1-x</sub> Ca <sub>x</sub> Ti <sub>2</sub> O <sub>5</sub> Glasses
			2010A1220	BL02B2	増野 敦信	

**The Journal of Physical Chemistry B**

24354	Hiroyuki Inoue	117 (2013) 6823-6829	2010A1316	BL04B2	増野 敦信	The Local Structure and Vibrational Properties of BaTi <sub>2</sub> O <sub>5</sub> Glass Revealed by Molecular Dynamics Simulation
			2011B1233	BL04B2	増野 敦信	

**The Journal of Physical Chemistry Letters**

23368	Tomonori Ohba	4 (2013) 1211-1215	2012A1152	BL02B2	大場 友則	Mechanism of Sequential Water Transportation by Water Loading and Release in Single-Walled Carbon Nanotubes
			2012B1070	BL04B2	大場 友則	

**Journal of Physics: Condensed Matter**

23703	Mao Ye	25 (2013) 232201	2011B3840	BL23SU	木村 昭夫	Perpendicular Magnetic Anisotropy with enhanced Orbital Moments of Fe Adatoms on a Topological Surface of Bi <sub>2</sub> Se <sub>3</sub>
			2012A3840	BL23SU	木村 昭夫	

**Journal of Porphyrins and Phthalocyanines**

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
23980	Hiromitsu Maeda	17 (2013) 86-91	2011A1294	BL40B2	前田 大光	Meso-meso Directly Linked Dipyrrolyl Ligand Dimer that Shows the Formation of Metal-Coordination Polymers

**Journal of Radioanalytical and Nuclear Chemistry**

23518	Kazuya Tanaka	295 (2013) 1927-1937	2011B1569	BL01B1	高橋 嘉夫	Heterogeneous Distribution of Radiocesium in Aerosols, Soil and Particulate Matters Emitted by the Fukushima Daiichi Nuclear Power Plant Accident: Retention of Micro-Scale Heterogeneity during the Migration of Radiocesium from the Air into Ground and River Systems
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**Journal of the American Ceramic Society**

22469	Tomonori Ohba	134 (2012) 17850-17853	2012A1152	BL02B2	大場 友則	Significant Hydration Shell Formation Instead of Hydrogen Bonds in Nanoconfined Aqueous Electrolyte Solutions
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**Langmuir**

23917	Nagahiro Hoshi	27 (2011) 4236-4242	2007A1258	BL13XU	星 永宏	Surface X-ray Scattering of Stepped Surfaces of Platinum in an Electrochemical Environment: Pt(331) = 3(111)-(111) and Pt(511) - 3(100)-(111)
			2007B1227	BL13XU	星 永宏	

**Materials**

23974	Yuichi Shimakawa	4 (2011) 153-168	2008B1005	BL13XU	島川 祐一	Multiferroic Compounds with Double-Perovskite Structure
			2008A1002	BL13XU	島川 祐一	
			2007B1001	BL13XU	島川 祐一	
			2007A1969	BL13XU	島川 祐一	

**Materials Science and Engineering A**

24344	Satoshi Ohhashi	528 (2011) 5871-5874	2010B4500	BL15XU	許 垂	Textures and Mechanical Properties in Rare-Earth Free Quasicrystal Reinforced Mg-Zn-Zr Alloys Prepared by Extrusion
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**Medical Molecular Morphology**

19502	Hisoka Kinoshita	43 (2010) 19-25	2007A1843	BL47XU	林 祥剛	Novel Assessment of Hepatic Iron Distribution by Synchrotron Radiation X-ray Fluorescence Microscopy
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**Medical Physics**

23946	Andrew Leong	40 (2013) 041909	2011A0022	BL20B2	Lewis Rob	High Spatiotemporal Resolution Measurement of Regional Lung Air Volumes from 2D Phase Contrast X-ray Images
			2011A1165	BL20B2	Kitchen Marcus	

**Metallurgical and Materials Transactions A**

24124	Hiroshi Okuda	44A (2013) Online published 30 April	2012A1186	BL04B2	奥田 浩司	Development of Microstructures of Long-Period Stacking Ordered Structures in Mg <sub>85</sub> Y <sub>9</sub> Zn <sub>6</sub> Alloys Annealed at 673 K (400 °C) Examined by Small-Angle X-Ray Scattering
			2012B1434	BL04B2	奥田 浩司	

**Microelectronic Engineering**

24269	Takuji Hosoi	109 (2013) 137-141	2011A3875	BL23SU	渡部 平司	Ge Diffusion and Bonding State Change in Metal/high-k/Ge Gate Stacks and its Impact on Electrical Properties
			2012B3809	BL23SU	渡部 平司	

**Microscopy**

24084	Daisuke Yamauchi	62 (2013) 353-361	2008A1211	BL20B2	山内 大輔	Micro-CT Observations of the 3D Distribution of Calcium Oxalate Crystals in Cotyledons during Maturation and Germination in <i>Lotus miyajokimae</i> Seeds
			2009B1453	BL20B2	山内 大輔	
			2012B1158	BL20B2	山内 大輔	

**Nanoscale**

23538	Francesco Borgatti	5 (2013) 3954-3960	2011A4900	BL15XU	Offi Francesco	Chemical Insight into Electroforming of Resistive Switching Manganite Heterostructure
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## Nature 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
20608	Alexander Kolobov	3 (2011) 311-316	2008B1249	BL01B1	Kolobov Alexander	Distortion-triggered Loss of Long-range Order in Solids with Bonding Energy Hierarchy
			2009A1462	BL01B1	Kolobov Alexander	
			2009B1206	BL01B1	Kolobov Alexander	
			2008B1204	BL01B1	Fons Paul	
			2010A1162	BL01B1	Krbal Milos	

## New Journal of Physics

23975	Youwen Long	12 (2010) 063029	2007B1004	BL02B2	島川 祐一	Intermetallic Charge Transfer between A-Site Cu and B-Site Fe in A-Site-Ordered Double Perovskites
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## Nuclear Instruments and Methods in Physics Research B

23791	Atsushi Tohki	302 (2013) 51-54	2010B1708	BL25SU	松井 利之	X-ray Magnetic Circular Dichroism Photoemission Electron Microscopy of Focused Ion Beam-Induced Magnetic Patterns on Iron-Rhodium Surfaces
			2012A1174	BL25SU	松井 利之	

## Optics Express

23942	Richard Carnibella	20 (2012) 15962-15968	2011B0022	BL20B2	Lewis Rob	Determining Particle Size Distributions from a Single Projection Image
			2011A1165	BL20B2	Kitchen Marcus	

## Pediatric Research

23945	Kevin Wheeler	73 (2013) 734-741	2010B0022	BL20B2	Lewis Rob	Establishing Lung Gas Volumes at Birth: The Interaction between Positive End Expiratory Pressures and Tidal Volumes in Preterm Rabbits
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## Physica C

23556	Y. F. Guo	470 (2010) S438-S439	2009A4800	BL15XU	小林 啓介	Tight Relation between the Oxygen Deficiency and $T_c$ in $\text{LaFeAsO}_{1-\delta}$
			2009B4810	BL15XU	小林 啓介	

## Physica Status Solidi A

23986	Ken Yanai	210 (2013) 791-795	2011B1386	BL02B1	野口 祐二	Enhanced Polarization Switching in Ferroelectric $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3$ Single Crystals by Defect Control
			2012A1359	BL02B1	野口 祐二	
			2012B1243	BL02B1	野口 祐二	

## Physical Chemistry Chemical Physics

23704	Yasutaka Nagai	15 (2013) 8443-8846	2011B7001	BL33XU	長井 康貴	<i>Operando</i> XAFS Study of Catalytic NO Reduction over $\text{Cu/CeO}_2$ : the Effect of Copper-Ceria Interaction under Periodic Operation
			2012A7001	BL33XU	長井 康貴	
			2012B7001	BL33XU	長井 康貴	

## Physics of the Earth and Planetary Interiors

22190	Hidenori Terasaki	202-203 (2012) 1-6	2007B1481	BL04B1	寺崎 英紀	Interfacial Tension of Fe-Si Liquid at High Pressure: Implications for Liquid Fe-alloy Droplet Size in Magma Oceans
			2010A1530	BL04B1	寺崎 英紀	

## Polymer Chemistry

23940	Yoshihiko Oniki	4 (2013) 3735-3743	2011A1001	BL40B2	高原 淳	Molecular Design of Environmentally Benign Segmented Polyurethane(urea)s: Effect of the Hard Segment Component on the Molecular Aggregation State and Biodegradation Behavior
			2012A1328	BL40B2	高原 淳	

## Proceedings of the 2012 Powder Metallurgy World Congress

23966	Yuichi Shimakawa	(2012) 16F-T14-14	2011B1917	BL19B2	島川 祐一	New A-Site-Ordered Perovskite-Structure Oxide with Intriguing Functional Properties
			2011A1002	BL47XU	島川 祐一	
			2010A1002	BL47XU	島川 祐一	
			2009B1018	BL47XU	島川 祐一	
			2009B3781	BL22XU	島川 祐一	
			2011B1664	BL02B2	遠山 武範	
			2011A1532	BL02B2	齊藤 高志	
			2009B1210	BL27SU	水牧 仁一朗	
			2009B1297	BL39XU	川上 隆輝	

**Proceedings of the 4th International Conference on CRACK PATHS (CP 2012)**

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
23516	Taizo Makino	(2012) 579-586	2011B1955	BL19B2	牧野 泰三	Evaluation of Rolling Contact Fatigue Crack Path of High Strength Steel with Artificial Defects

**Proceedings of the IEEE**

24041	Hirokazu Fukidome	101 (2013) 1557-1566	2009B1735	BL17SU	吹留 博一	Site-Selective Epitaxy of Graphene on Si Wafers
			2010A1674	BL17SU	吹留 博一	
			2010B1712	BL17SU	吹留 博一	

**Proteins: Structure Function and Bioinformatics**

23503	Jin Zhang	80 (2012) 2384-2396	2009B1510	BL38B1	神山 勉	Crystal Structure of the O Intermediate of the Leu93 → Ala Mutant of Bacteriorhodopsin
			理研	BL26B2		

**Science**

23896	Dong Deng	335 (2012) 720-723	2011B0040	BL41XU	Yan Nieng	Structural Basis for Sequence-Specific Recognition of DNA by TAL Effectors
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**Science and Technology of Advanced Materials**

24240	Zoë Schnepf	13 (2012) 035001	2011B4503	BL15XU	Schnepf Zoe	One-Step Route to a Hybrid TiO <sub>2</sub> /Ti <sub>x</sub> W <sub>1-x</sub> N Nanocomposite by <i>in situ</i> Selective Carbothermal Nitridation
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**Science and Technology of Welding and Joining**

13283	Tadafumi Hashimoto	13 (2008) 409-414	2007A1577	BL46XU	寺崎 秀紀	Effect of Solidification Velocity on Weld Solidification Process of Alloy Tool Steel
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**Scientific Reports**

23947	Wei-Tin Chen	2 (2012) 449	2011A1532	BL02B2	齊藤 高志	Ligand-Hole Localization in Oxides with Unusual Valence Fe
			2011A1002	BL47XU	島川 祐一	
			2010A1002	BL27SU	島川 祐一	
			2009B1210	BL27SU	水牧 仁一朗	
			2009B1018	BL47XU	島川 祐一	

**Soft Matter**

23317	Atsushi Izumi	9 (2013) 4188-4197	2012A7211	BL03XU	権藤 聡	Gelation and Cross-Link Inhomogeneity of Phenolic Resins Studied by <sup>13</sup> C-NMR Spectroscopy and Small-Angle X-ray Scattering
			2012B7262	BL03XU	権藤 聡	

**Solid State Ionics**

22613	Yoshinori Arachi	177 (2006) 1861-1864	2004A0549	BL19B2	荒田 吉明	Structural Analysis of Nano-Sized-Pd/ZrO <sub>2</sub> Composite after H(D) Absorption
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**Synchrotron Radiation News**

23515	Yasuo Narumi	25 (2012) 12-17	2011B1242	BL25SU	野尻 浩之	X-ray Spectroscopies in Pulsed High Magnetic Fields: New Frontier with Flying Magnets and Rolling Capacitor Banks
			2011B1428	BL25SU	中村 哲也	
			2011B1707	BL25SU	白土 優	
			2012A1231	BL25SU	中村 哲也	
			2012A1848	BL25SU	中村 哲也	

**Trends in Plant Science**

23780	Ken-ichiro Taoka	18 (2013) 287-294	2012B1544	BL41XU	大木 出	Structure and Function of Florigen and the Receptor Complex
			2012B6708	BL44XU	大木 出	
			2012A1248	BL41XU	大木 出	
			2011B2016	BL41XU	大木 出	

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

23455	Shinya Matsuno	44 (2013) 89-95	2009B2015	BL19B2	松野 信也	Structural Variation of C-S-H Gel during Tobermorite Formation Process
			2010A1694	BL19B2	松野 信也	
			2010A1831	BL19B2	松野 信也	
			2012A1047	BL19B2	松野 信也	

## エレクトロニクス実装学会誌 (Journal of the Japan Institute of Electronics Packing)

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
23724	Hisashi Tanie	15 (2012) 541-549	2010B1772	BL20XU	谷江 尚史	Void Growth Analysis of Flip-Chip Solder Joint by Using Electromigration Failure Simulation and Synchrotron Radiation X-Ray Microtomography

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

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
24384	Takahiro Matsuoka	21 (2011) 190-196	2008A1505	BL10XU	武田 圭生	Electrical Resistance Measurement Technique for Metal Hydrides under High-Pressure H <sub>2</sub> Conditions & Electrical Transport and Structural Properties of FeH <sub>x</sub>
			2008B1501	BL10XU	清水 克哉	

## 繊維学会誌 (Sen'i Gakkaishi)

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
24118	Young-Ah Kang	69 (2013) 107-117	2009B1226	BL40B2	大越 豊	Structure and Mechanical Properties of Poly(trimethylene terephthalate) Fibers Obtained by CO <sub>2</sub> Laser Drawing and a Secondary Contact Heater Drawing

## 日本機械学会論文集 B 集 (Transactions of the Japan Society of Mechanical Engineers, Series 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
22634	Ryo Koresawa	77 (2011) 2019-2027	2011A1760	BL20B2	宇高 義郎	Simultaneous Measurement of Oxygen Diffusivity and Visualization of Moisture Distribution in Gas Diffusion Layer with Wettability Distribution for Improvement of Polymer Electrolyte Fuel Cell Performance
			2010A1487	BL20XU	荒木 拓人	

## 博士論文 (東京大学)

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
21457	Daishi Fujita	(2012)	2010B1423	BL38B1	佐藤 宗太	Protein Encapsulation within Synthetic Molecular Hosts
			2011A1802	BL38B1	佐藤 宗太	
			2011B0042	BL41XU	藤田 誠	
			2011A1102	BL38B1	佐藤 宗太	
			2011A1992	BL38B1	佐藤 宗太	
			2011B0039	BL38B1	藤田 誠	
21458	Junji Iwasa	(2012)	2009B1967	BL38B1	佐藤 宗太	Synthesis and Functionalization of M24L48 Spherical Complexes
			2010B1423	BL38B1	佐藤 宗太	
			2011A1102	BL38B1	佐藤 宗太	
			2011B0039	BL38B1	藤田 誠	
			2011B0042	BL41XU	藤田 誠	
22251	Toshihiro Yoshimura	(2012)	2011B1993	BL27SU	為則 雄祐	Geochemical Significance of Magnesium Isotope Fractionations in Coral Skeletons and Marine Sediments
			2011B1202	BL27SU	為則 雄祐	
			2012A1556	BL27SU	吉村 寿紘	
23321	Atsushi Izumi	(2013)	2010B7266	BL03XU	妹尾 政宣	Cross-link Inhomogeneity of Phenolic Resins
			2011A7212	BL03XU	榎藤 聡	
			2011B7261	BL03XU	榎藤 聡	
			2012A7211	BL03XU	榎藤 聡	
23539	Nozomu Ishiguro	(2013)	2010A1408	BL37XU	唯 美津木	Advanced Characterization of Practical Heterogeneous Catalysts Using Time-Resolved/Space-Resolved XAFS
			2010B1017	BL40XU	岩澤 康裕	
			2011A1031	BL01B1	岩澤 康裕	
			2011A1033	BL40XU	岩澤 康裕	
			2010B1014	BL01B1	岩澤 康裕	
			2011B1015	BL01B1	横山 利彦	
			2011B1017	BL40XU	横山 利彦	
			2011B1040	BL01B1	岩澤 康裕	
23747	Hideharu Niwa	(2012)	2010B7403	BL07LSU	原田 慈久	Electronic Structure of Carbon-Based Pxygen Reduction Catalysts Studied by Soft X-ray Spectroscopy
			2011A7403	BL07LSU	原田 慈久	
			2011B7403	BL07LSU	原田 慈久	
			2012A7403	BL07LSU	原田 慈久	
			2012B7403	BL07LSU	原田 慈久	

博士論文 (東北大学)

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
23567	Takayuki Kojima	(2013)	2009A1935	BL46XU	水口 将輝	Structure and Magnetic Anisotropy of L <sub>10</sub> -Ordered FeNi Films Prepared by Atomic Layer Controlled Deposition
			2010A1776	BL46XU	水口 将輝	
			2010B1942	BL46XU	水口 将輝	
			2011B1752	BL46XU	水口 将輝	
			2011B1959	BL46XU	水口 将輝	
			2012A1579	BL46XU	小嶋 隆幸	
			2012B1667	BL46XU	小嶋 隆幸	
			2007B1258	BL25SU	小嗣 真人	
2009B1039	BL25SU	高梨 弘毅				
23927	Hirokazu Takahashi	(2013)	2007A1976	BL25SU	角田 匡清	A Study of in-Plane and Perpendicular Exchange Anisotropy of $\gamma$ -Mn-Ir Based Antiferromagnetic/Ferromagnetic Bilayers
			2007B1741	BL25SU	角田 匡清	
			2008A1672	BL25SU	角田 匡清	
			2008B1158	BL17SU	角田 匡清	
24283	Takumi Ono	(2012)	2010B1481	BL08W	中原 光一	Macro- and Micro-solvent Properties and Solution structure of Water-Methanol Mixtures under High Temperatures and Pressures
			2011B1258	BL08W	中原 光一	

博士論文 (National Hsinchu University of Education)

23963	Yen Hui Lee	(2012)	2011B4131	BL12B2	Lin Chih Ming	Properties of Silver Nanocrystals Under High Pressure
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博士論文 (大阪大学)

23809	Yugo Okada	(2012)	2011B1030	BL10XU	竹谷 純一	Effects of External Environment on Transport in Organic Two-Dimensional $\pi$ -electron Systems
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博士論文 (首都大学東京)

23441	Ryoichi Miyazaki	(2013)	2010B1575	BL35XU	青木 勇二	Novel f-electron States Realized in Unique Crystal Structure
			2011A1366	BL35XU	青木 勇二	

博士論文 (千葉大学)

21287	Naveed Ahmed	(2012)	2011A1977	BL01B1	泉 康雄	Photocatalytic Conversion of Carbon Dioxide into Methanol over Layered Double Hydroxide Catalysis
			2011A1978	BL01B1	泉 康雄	

博士論文 (東京工業大学)

10867	Shigehiko Tateno	(2007)	2004A3013	BL10XU	巽 好幸	Phase Transition and Melting in the Deep Lower Mantle
			2004B4013	BL10XU	巽 好幸	
			2005B0010	BL10XU	巽 好幸	
			2006A0099	BL10XU	廣瀬 敬	

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	課題番号	ビームライン	タイトル
23161	Ashish Atma Chainani	87 (2013) 045108	理研	BL29XU	Quantifying Covalency and Metallicity in Correlated Compounds Undergoing Metal-Insulator Transitions
23222	M. Sakano	86 (2012) 085204	理研	BL17SU	Three-Dimensional Bulk Band Dispersion in Polar BiTeI with Giant Rashba-Type Spin Splitting
23223	J. Braun	85 (2012) 165105	理研	BL17SU	Correlation Effects, Circular Dichroism, and Fermi Surfaces of Bulk Nickel from Soft X-ray Angle-Resolved Photoemission
23757	Xu-Guang Zheng	87 (2013) 174102	理研	BL44B2	Strong Magnetic-Dielectric-Lattice Coupling in Transition Metal Hydroxyhalides and Ferroelectric Response in Rhombohedral Co <sub>2</sub> (OD) <sub>3</sub> X (X = Cl, Br)

Optics Express -1-

23239	Taito Osaka	21 (2013) 2823-2831	理研	BL29XU	A Bragg Beam Splitter for Hard X-ray Free-Electron Lasers
			フロントエンド	BL3	

## Optics Express -2-

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	タイトル
23389	Satoshi Matsuyama	20 (2012) 10310-10319	理研	BL29XU	Hard-X-ray Imaging Optics Based on Four Aspherical Mirrors with 50 nm Resolution
23390	Satoshi Matsuyama	20 (2012) 24977-24986	理研	BL29XU	Wavefront Measurement for a Hard-X-ray Nanobeam Using Single-Grating Interferometry

## Physical Review Letters

23366	Shigeki Fujiyama	108 (2012) 247212	理研	BL19LXU	Two-Dimensional Heisenberg Behavior of $J_{\text{eff}}=1/2$ Isospins in the Paramagnetic State of the Spin-Orbital Mott Insulator $\text{Sr}_2\text{IrO}_4$
23454	Yoshito Shimosaki	110 (2013) 154802		加速器	Control of Damping Partition Numbers in a Ring Accelerator with rf Electromagnetic Fields
23674	K. Takayama	110 (2013) 196405	理研	BL44B2	Electronic Phase Transition and an Anomalous Ordered Phase in $\text{Ba}_2\text{Ti}_{13}\text{O}_{22}$ with $3d^1$ Ions on a Triangle-Based Lattice

## Angewandte Chemie International Edition

23190	Ming-Che Yeh	52 (2013) 1031-1034	理研	BL45XU	Amphiphilic Design of a Discotic Liquid-Crystalline Molecule for Dipole Manipulation: Hierarchical Columnar Assemblies with a 2D Superlattice Structure
23733	Masakazu Higuchi	51 (2012) 8369-8372	理研	BL44B2	Design of Flexible Lewis Acidic Sites in Porous Coordination Polymers by using the Viologen Moiety

## Nature Photonics

23244	Hirokatsu Yumoto	7 (2013) 43-47	装置技術	BL3	Focusing of X-ray Free-Electron Laser Pulses with Reflective Optics
23260	Tetsuya Ishikawa	6 (2012) 540-544	装置技術	BL3	A Compact X-ray Free-Electron Laser Emitting in the Sub-ångström Region

## ACS Symposium Series

23168	Taizo Kabe	1105 (2012) 63-75	理研	BL45XU	Processing, Mechanical Properties and Structure Analysis of Melt-Spun Fibers of P(3HB)/UHMW-P(3HB) Identical Blend
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## Acta Crystallographica Section F

23570	Mallappa Manjula	68 (2012) 1406-1408	理研	BL26B1	Purification, Crystallization and Preliminary X-ray Diffraction Studies of the ATP-binding Subunit of an ABC Transporter from <i>Geobacillus kaustophilus</i>
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## Applied Physics Letters

23820	Masahiro Kato	101 (2012) 023503		XFEL	Pulse Energy Measurement at the Hard X-ray Laser in Japan
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## Chemical Communications

23189	Chou Fu Sheu	48 (2012) 5715-5717	理研	BL45XU	A Long-Lived Photo-Induced Metastable State of Linkage Isomerization Accompanied with a Spin Transition
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## Chemistry - An Asian Journal

23497	Takashi Fujishiro	7 (2012) 2286-2293	理研	BL26B1	Chiral-Substrate-Assisted Stereoselective Epoxidation Catalyzed by $\text{H}_2\text{O}_2$ -Dependent Cytochrome P450 <sub>SPa</sub>
			理研	BL26B2	

## Current Applied Physics

23442	Akira Saito	12 (2012) S52-S56	理研	BL19LXU	Verification of Thermal Effect Produced by Irradiation for Scanning Tunneling Microscope Combined with Brilliant Hard X-rays from Synchrotron Radiation
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## Current Opinion in Structural Biology

22511	Janet L. Smith	22 (2012) 602-612	理研	BL32XU	Micro-crystallography Comes of Age
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## Journal of Applied Crystallography

23561	Michihiro Sugahara	45 (2012) 362-366	理研	BL26B1	A Fibre-Based Crystal Mounting Technique for Protein Cryocrystallography
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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	タイトル
23571	Tomoyuki Tanaka	287 (2012) 10394-10402	理研	BL26B1	Crystal Structure of Archaeal Chromatin Protein Alba2-Double-stranded DNA Complex from <i>Aeropyrum pernix</i> K1*

**Journal of Molecular Biology**

23508	Tsuyoshi Konuma	405 (2011) 1284-1294	理研	BL45XU	Time-Resolved Small-Angle X-ray Scattering Study of the Folding Dynamics of Barnase
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**Journal of Physics: Conference Series**

23613	Yoshihito Tanaka	425 (2013) 052017	理研	BL19LXU	X-ray Beam Deflection Control with a Flexible Capillary
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**Journal of the Physical Society of Japan**

23221	Masaharu Matsunami	81 (2012) 073702	理研	BL29XU	Photoemission Evidence for Valence Fluctuations and Kondo Resonance in YbAl <sub>2</sub>
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**Key Engineering Materials**

23274	Taito Osaka	523-524 (2012) 40-45	理研	BL29XU	Fabrication of Ultrathin Bragg Beam Splitter by Plasma Chemical Vaporization Machining
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**Macromolecules**

23176	Taizo Kabe	45 (2012) 1858-1865	理研	BL45XU	Physical and Structural Effects of Adding Ultrahigh-Molecular-Weight Poly[(R)-3-hydroxybutyrate] to Wild-Type Poly[(R)-3-hydroxybutyrate]
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**Nucleus**

23650	Yasumasa Joti	3 (2012) 404-410	理研	BL45XU	Chromosomes without a 30-nm Chromatin Fiber
			理研	BL29XU	

**Nuclear Instruments and Methods in Physics Research A**

24261	Xavier-M. Marechal	673 (2012) 32-45		XFEL	Design, Development, and Operation of a Fiber-Based Cherenkov Beam Loss Monitor at the SPring-8 Angstrom Compact Free Electron Laser
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**Physical Chemistry Chemical Physics**

23709	Alex Bytchkov	15 (2013) 8487-8494	装置技術	BL04B2	Unraveling the Atomic Structure of Ge-rich Sulfide Glasses
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**PLoS One**

23558	Michihiro Sugahara	8 (2013) e57432	理研	BL26B1	Effect of Heavy Atoms on the Thermal Stability of $\alpha$ -Amylase from <i>Aspergillus oryzae</i>
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**Polymer Journal**

23196	Hiroki Ogawa	45 (2013) 109-116	装置技術	BL03XU	Experimental Station for Multiscale Surface Structural Analyses of Soft-Material Films at SPring-8 via a GISWAX/GIXD/XR-integrated System
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**Proceedings of the National Academy of Sciences of the United States of America**

23509	Hidemasa Kondo	109 (2012) 9360-9365	理研	BL44B2	Ice-binding Site of Snow Mold Fungus Antifreeze Protein Deviates from Structural Regularity and High Conservation
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**加速器 (Journal of the Particle Accelerator Society of Japan)**

23337	Hitoshi Tanaka	9 (2012) 60-71		XFEL	Commissioning of Japanese X-ray Free Electron Laser, SACLA and Achieved Laser Performance
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**表面科学 (Journal of the Surface Science Society of Japan)**

23348	Kensuke Tono	32 (2011) 433-438		XFEL	Radiation Properties of SPring-8 XFEL (SACLA) and Developments in User-Experiment Facilities
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**レーザー研究 (The Review of Laser Engineering)**

23836	Hitoshi Tanaka	40 (2012) 666-674		XFEL	X-Ray Free-Electron Laser(XFEL) in the World —Japanese XFEL Facility, SACLA was Developed in What Way and for What Aim—
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