

## 最近 SPring-8 もしくは SACLA から発表された成果リスト

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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 1 月～3 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 1 月～ 3 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	7	Acta Crystallographica Section D	4
Applied Physics Letters	6	Carbohydride Polymers	4
Physical Review Letters	6	Journal of Physics: Condensed Matter	4
Journal of the Physical Society of Japan	5	Journal of Physics: Conference Series	4
Polymer Journal	5	Key Engineering Materials	4
Proceedings of the National Academy of Sciences of the United States of America	5	Review of Scientific Instruments	4
		The Journal of Biochemistry	4

他全 151 誌、計 248 報

課題の成果として登録された論文

Applied Physics 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
21950	Yuuki Hosokawa	100 (2012) 203305	2010A1716	BL19B2	小金澤 智之	Molecular Orientation and Anisotropic Carrier Mobility in Poorly Soluble Polythiophene Thin Films
22837	Naoki Ohashi	101 (2012) 251911	2011B4610	BL15XU	大橋 直樹	Determination of Schottky Barrier Profile at Pt/SrTiO <sub>3</sub> /Nb Junction by X-ray Photoemission
22838	Anli Yang	102 (2013) 031914	2011B4508	BL15XU	坂田 修身	Investigation of the Near-Surface Structures of Polar InN Films by Chemical-State-Discriminated Hard X-ray Photoelectron Diffraction
23136	Masayoshi Itou	102 (2013) 082403	2007A1262	BL08W	伊藤 真義	Spin and Orbital Magnetization Loops Obtained Using Magnetic Compton Scattering
			2010A1923	BL08W	伊藤 真義	
23227	Ryutaro Sato	102 (2013) 091901	2012B3620	BL14B1	松尾 元彰	Formation Process of Perovskite-Type Hydride LiNiH <sub>3</sub> ; <i>In situ</i> Synchrotron Radiation X-ray Diffraction Study

Journal of the Physical Society of Japan

22790	Taiki Hoshino	82 (2013) 021014	2012A1025	BL19B2	高原 淳	Surface and Interface Analyses of Polymer Brushes by Synchrotron Radiation
			2010A7239	BL03XU	小池 淳一郎	
22828	Satoshi Tsutsui	82 (2013) 023707	2005B0127	BL01B1	水牧 仁一朗	Pressure-Temperature Phase Diagram of Sm Valence State in a Heavy Fermion Compound SmOs <sub>4</sub> Sb <sub>12</sub>
			2006A1204	BL39XU	水牧 仁一朗	
			2007B1108	BL39XU	筒井 智嗣	
			2008A1127	BL39XU	筒井 智嗣	
			2008A1972	BL39XU	河村 直己	
			2008B1464	BL39XU	筒井 智嗣	
			2008B2194	BL39XU	河村 直己	
22835	Masaichiro Mizumaki	82 (2013) 024709	2009B1641	BL27SU	米澤 進吾	Oxygen Hole State in A-site Ordered Perovskite ACu <sub>3</sub> Ru <sub>4</sub> O <sub>12</sub> (A = Na, Ca, and La) Probed by Resonant X-ray Emission Spectroscopy
			2008A1276	BL27SU	水牧 仁一朗	
22912	Tetsuya Nakamura	82 (2013) 021006	2011A1262	BL25SU	中村 哲也	Recent Progress of the X-ray Magnetic Circular Dichroism Technique for Element-Specific Magnetic Analysis
			2011B1428	BL25SU	中村 哲也	
			2011B2099	BL25SU	中村 哲也	
23135	Nobuyoshi Hosoi	82 (2013) 034711	装置技術	BL39XU		Direction and Size of Ir Magnetic Moment Induced in MnIr/Co <sub>1-x</sub> Fe <sub>x</sub> Exchange Bias Bilayers from Resonant X-ray Magnetic Scattering Experiments at the Ir L <sub>3</sub> Absorption Edge
			2007B1669	BL39XU	児玉 謙司	
			2008A1272	BL39XU	細糸 信好	
			2008B1250	BL39XU	細糸 信好	

Polymer 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
22672	Satoshi Katsuno	45 (2012) 87-93	2012A7221	BL03XU	北出 慎一	Crystallization Kinetics of Polypropylene Containing a Sorbitol Nucleating Agent
			2012A1817	BL03XU	増永 啓康	
			2012B7271	BL03XU	北出 慎一	
22804	Taiki Hoshino	45 (2013) 94-99	2012A1025	BL19B2	高原 淳	Thermal Gradient Effect on the Dynamical Behavior of Nanoparticles Observed Using X-ray Photon Correlation Spectroscopy
			理研	BL19LXU		
22841	Kiyoka Okada	45 (2013) 70-78	2006A1304	BL40B2	彦坂 正道	Temperature Dependence of Crystallization of Nano-Oriented Crystals of iPP and the Formation Mechanism
			2006B1185	BL40B2	彦坂 正道	
			2007A1567	BL40B2	彦坂 正道	
			2007B1173	BL40B2	彦坂 正道	
			2008B1611	BL40B2	彦坂 正道	
			2009A1331	BL40B2	彦坂 正道	
			2009B1385	BL40B2	彦坂 正道	
			2010A7228	BL03XU	彦坂 正道	
			2010B1302	BL40B2	彦坂 正道	
			2010B7262	BL03XU	田頭 克春	
			2010B7272	BL03XU	北村 祐二	
			2011A7208	BL03XU	下平 祥貴	
			2011A7218	BL03XU	北村 祐二	
			2011A7219	BL03XU	北村 祐二	
			2011B7258	BL03XU	田頭 克春	
			2011B7268	BL03XU	北村 祐二	
			2012A7208	BL03XU	田頭 克春	
			2012A7217	BL03XU	北村 祐二	
			2010A1107	BL40B2	彦坂 正道	
2010B1302	BL40B2	彦坂 正道				
2011A1026	BL40B2	彦坂 正道				
2011B1493	BL40B2	岡田 聖香				
2012A1308	BL40B2	岡田 聖香				
22853	Kazuyuki Okada	45 (2013) 50-56	2010A7223	BL03XU	岡田 一幸	Structural Analysis of Poly (ethylene terephthalate) during Uniaxial Drawing above the Glass Transition Temperature
			2010B7269	BL03XU	岡田 一幸	
22982	Ryo Mashita	45 (2013) 57-63	2010A1746	BL40B2	間下 亮	Small-Angle X-ray and Neutron Scattering Analyses of Highly Crosslinked Rubber with Unsaturated Carboxylic Acid
			2010B7264	BL03XU	岸本 浩通	
			2010B1932	BL19B2	間下 亮	

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
22794	Lawrie Skinner	87 (2013) 024201	2006A1200	BL04B2	小原 真司	Joint Diffraction and Modeling Approach to the Structure of Liquid Alumina
			2010B2015	BL04B2	小原 真司	
			2011A2051	BL04B2	小原 真司	
			2011A1103	BL04B2	小原 真司	
22797	David Ellis	86 (2012) 220301 (R)	2010B1527	BL35XU	Ellis David	Phonon Softening and Dispersion in EuTiO <sub>3</sub>
			2011A1271	BL35XU	Ellis David	
			2011B1590	BL35XU	Ellis David	
			2012A1362	BL35XU	Ellis David	
			2012A1818	BL35XU	内山 裕士	
	理研	BL44XU				
23076	Shuichi Wakimoto	87 (2013) 104511	2009A3502	BL11XU	石井 賢司	Resonant Inelastic X-ray Scattering Study of Intraband Charge Excitations in Hole-Doped High-T <sub>c</sub> Cuprates
			2009B3502	BL11XU	石井 賢司	
			2010A3502	BL11XU	石井 賢司	
			2011B3502	BL11XU	石井 賢司	
23131	Hajime Sagayama	87 (2013) 100403	2012A1009	BL02B1	有馬 孝尚	Determination of Long-Range All-in -All-out Ordering of Ir <sup>4+</sup> Moments in a Pyrochlore Iridate Eu <sub>4</sub> Ir <sub>2</sub> O <sub>7</sub> by Resonant X-ray Diffraction
			2012B1005	BL02B1	有馬 孝尚	
23228	Shigeyuki Takagi	87 (2013) 125134	2012B3620	BL14B1	松尾 元彰	Density-Functional Study of Perovskite-Type Hydride LiNiH <sub>3</sub> and Its Synthesis: Mechanism for Formation of Metallic Perovskite

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

研究成果番号	主著者	雑誌情報	課題番号	ピームライン	実験責任者	タイトル
21619	Umeharu Ohto	109 (2012) 7421-7426	2011A1912	BL41XU	大戸 梅治	Structural Basis of Species-Specific Endotoxin Sensing by Innate Immune Receptor TLR4/MD-2
			2011A1909	BL32XU	清水 敏之	
22065	Naoko Nomura	109 (2012) 3748-3753	2007A1063	BL41XU	姚 関	Archaeal Ribosomal Stalk Protein Interacts with Translation Factors in a Nucleotide-Independent Manner via its Conserved C Terminus
22099	Hiroshi Aoyama	106 (2009) 2165-2169	C00A0700	BL44XU	山下 栄樹	A Peroxide Bridge between Fe and Cu Ions in the O <sub>2</sub> Reduction Site of Fully Oxidized Cytochrome <i>c</i> Oxidase Could Suppress the Proton Pump
			C00B7000	BL44XU	山下 栄樹	
			C01A7000	BL44XU	山下 栄樹	
			C01B7000	BL44XU	山下 栄樹	
			C02A7000	BL44XU	山下 栄樹	
			C02B7000	BL44XU	山下 栄樹	
			C03A7000	BL44XU	山下 栄樹	
			C00A0701	BL44XU	吉川 信也	
			C00B7001	BL44XU	吉川 信也	
			C01A7001	BL44XU	吉川 信也	
			C01B7001	BL44XU	吉川 信也	
			C02A7001	BL44XU	吉川 信也	
C02B7001	BL44XU	吉川 信也				
C03A7001	BL44XU	吉川 信也				
22100	Kazumasa Muramoto	107 (2010) 7740-7745	C01A7001	BL44XU	吉川 信也	Bovine Cytochrome <i>c</i> Oxidase Structures Enable O <sub>2</sub> Reduction with Minimization of Reactive Oxygens and Provide a Proton-Pumping Gate
			C01B7001	BL44XU	吉川 信也	
			C02A7001	BL44XU	吉川 信也	
			C02B7001	BL44XU	吉川 信也	
			C03A7001	BL44XU	吉川 信也	
			C03B7001	BL44XU	吉川 信也	
			C04A7001	BL44XU	吉川 信也	
			C04B7001	BL44XU	吉川 信也	
			C01A7000	BL44XU	山下 栄樹	
			C01B7000	BL44XU	山下 栄樹	
			C02A7000	BL44XU	山下 栄樹	
			C02B7000	BL44XU	山下 栄樹	
			C03A7000	BL44XU	山下 栄樹	
			C03B7000	BL44XU	山下 栄樹	
			C04A7000	BL44XU	山下 栄樹	
			C04B7000	BL44XU	山下 栄樹	
2007A6500	BL44XU	山下 栄樹				
2007B6500	BL44XU	山下 栄樹				
23160	Tomohiko Ohwada	110 (2013) 4206-4211	2008B1981	BL38B1	梶 飛雄真	Stereochemical Evidence for Stabilization of a Nitrogen Cation by Neighboring Chlorine or Bromine
			2009B1923	BL38B1	梶 飛雄真	

Carbohydrate Polymers

22927	Kayoko Kobayashi	80 (2010) 492-498	2009A1360	BL38B1	和田 昌久	Crystal Transition of Paramylon with Dehydration and Hydration
22928	Kayoko Kobayashi	83 (2011) 483-488	2009A1360	BL38B1	和田 昌久	Crystal Transition from Na-Cellulose IV to Cellulose II Monitored Using Synchrotron X-ray Diffraction
22929	Kayoko Kobayashi	86 (2011) 975-981	2009A1360	BL38B1	和田 昌久	Crystal Transition from Cellulose II Hydrate to Cellulose II
			2009B1216	BL40B2	和田 昌久	
22930	Kayoko Kobayashi	91 (2013) 543-548	2010B1247	BL02B2	和田 昌久	Thermal Expansion Behavior of Hydrate Paramylon in the Low-Temperature Region

## 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
22880	Shinya Hosokawa	25 (2013) 112101	2010B1353	BL35XU	細川 伸也	Transverse Excitations in Liquid Sn
22883	Michihiro Hashinokuchi	24 (2012) 395007	2012A3805	BL23SU	岡田 美智雄	Temperature Dependence of Cu <sub>2</sub> O Formation on Cu (110) Surface with Energetic O <sub>2</sub> Molecular Beams
			2011B3805	BL23SU	岡田 美智雄	
			2011A3805	BL23SU	岡田 美智雄	
			2010A3872	BL23SU	岡田 美智雄	
			2009B3873	BL23SU	岡田 美智雄	
			2009A3874	BL23SU	岡田 美智雄	
			2007A3807	BL23SU	寺岡 有殿	
			2007B3808	BL23SU	岡田 美智雄	
2006B1625	BL23SU	岡田 美智雄				
2006A1609	BL23SU	岡田 美智雄				
22956	Clara Guglieri	23 (2011) 206006	2009B0024	BL39XU	Chaboy Jesus	X-ray Absorption Study of the Local Order around Mn in Mn:ZnO Thin Films: the Role of Vacancies and Structural Distortions
23067	Saeed Kamali-Moghaddam	25 (2013) 135302	2011B1272	BL09XU	Kamali-Moghaddam Saeed	Oxidation States and the Quality of Lower Interfaces in Magnetic Tunnel Junctions: Oxygen Effect on Crystallization of Interfaces

## Acta Crystallographica Section D

22070	Takashi Matsui	68 (2012) 1175-1188	2011B1385	BL41XU	姚 閔	Structural Reorganization of the Bacterial Cell Division Protein FtsZ from <i>Staphylococcus aureus</i>
22127	Hiroshi Ito	57 (2001) 1174-1176	2001A0318	BL41XU	田中 勲	Expression, Purification, Crystallization, and Preliminary X-ray Diffraction Analysis of Human Calcium-Binding Protein MRP14 (S100A9)
			1999B0280	BL41XU	田中 勲	
22778	Tatsuo Yanagisawa	69 (2013) 5-15	2005A0392	BL41XU	関根 俊一	A Novel Crystal Form of Pyrrolysyl-tRNA Synthetase Reveals the Pre- and Post-aminoacyl-tRNA Synthesis Conformational States of the Adenylate and Aminoacyl Moieties and an Asparagine Residue in the Catalytic Site
			2005A0733	BL41XU	仙石 徹	
			2005B0529	BL41XU	関根 俊一	
			2005B0083	BL41XU	伊藤 拓宏	

## Acta Crystallographica Section F

22101	Kazuhiro Ohta	66 (2010) 251-253	2009B6500	BL44XU	山下 栄樹	X-ray Structure of the NO-bound Cu <sub>B</sub> in Bovine Cytochrome <i>c</i> Oxidase
22802	Dongqing Pan	68 (2012) 386-392	2010A1043	BL41XU	松浦 能行	Structures of the Pleckstrin Homology Domain of <i>Saccharomyces cerevisiae</i> Avo1 and Its Human Orthologue Sin1, an Essential Subunit of TOR Complex 2
22932	Yukari Koga	69 (2013) 45-48	2008B6840	BL44XU	山縣 ゆり子	Crystallization and Preliminary X-ray Analysis of Human MTH1 with a Homogeneous N-Terminus
			2009A6929	BL44XU	中村 照也	
			2009B1588	BL41XU	山縣 ゆり子	
			2010A1509	BL41XU	山縣 ゆり子	

## AIP Conference Proceedings

17162	Tetsuo Honma	1234 (2010) 13-16	2007B1950	BL14B2	平山 明香	Full-Automatic XAFS Measurement System of the Engineering Science Research II Beamline BL14B2 at Spring-8
			2008A1832	BL14B2	平山 明香	
			2009B2132	BL14B2	陰地 宏	
			2009B2134	BL14B2	谷口 陽介	
22975	Marc Fourmentin	1518 (2013) 745-749	2011B1565	BL04B2	Bytchkov Alex	Zero-Dimensional Cryogenic Glasses and Supercooled Liquids in the Se-Cl System
23049	Shinya Hosokawa	1518 (2013) 695-702	2012A1102	BL35XU	細川 伸也	Transverse Excitations in Liquid Metals
			2011B1213	BL35XU	細川 伸也	
			2010B1353	BL35XU	細川 伸也	
			2009B1074	BL35XU	細川 伸也	
			2008A1064	BL35XU	細川 伸也	

Biochemistry

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
14449	Sarin Chimnaronk	48 (2009) 5057-5065	2007A1083	BL41XU	姚 閔	Snapshots of Dynamics in Synthesizing N <sup>6</sup> -Isopentenyladenosine at the tRNA Anticodon
21203	Hsin-Hui Wu	51 (2012) 575-577	2010A4011	BL12B2	Tsai MingDaw	Structural Delineation of MDC1-FHA Domain Binding with CHK2-pThr68
			2010B4002	BL12B2	Tsai MingDaw	
			2011A4006	BL12B2	Tsai MingDaw	
			2011A4009	BL12B2	Tsai MingDaw	
21802	Ryo Uehara	51 (2012) 5369-5378	2008A1106	BL38B1	金谷 茂則	Requirement of Ca <sup>2+</sup> Ions for the Hyperthermostability of Tk-Subtilisin from <i>Thermococcus kodakarensis</i>
			2008A6909	BL44XU	金谷 茂則	

Crystal Growth & Design

16755	Toshiyuki Chatake	10 (2010) 1090-1095	2007A1348	BL38B1	茶竹 俊行	An Approach to DNA Crystallization Using the Thermal Reversible Process of DNA Duplexes
			2007B1503	BL38B1	茶竹 俊行	
22877	Masatomo Yashima	13 (2013) 829-837	2010B1788	BL02B2	伊藤 孝憲	Crystal Structure and Oxide-Ion Diffusion of Nanocrystalline, Compositionally Homogeneous Ceria-Zirconia Ce <sub>0.5</sub> Zr <sub>0.5</sub> O <sub>2</sub> up to 1176K
			2011B1995	BL02B2	八島 正知	
			2012A1415	BL02B2	八島 正知	
22923	Kunihisa Sugimoto	12 (2013) 433-436	2011B1345	BL02B1	杉本 邦久	Air-Stable Cyclohexasulfur as Cocrystal
			2011B1337	BL02B1	杉本 邦久	
			2011B1882	BL02B1	上町 裕史	
			2012A1652	BL02B1	上町 裕史	

The FEBS Journal

22064	Clement Angkawidjaja	279 (2012) 3071-3084	2009B1159	BL38B1	高野 和文	Structure and Stability of a Thermostable Carboxylesterase from the Thermoacidophilic Archaeon <i>Sulfolobus tokodaii</i>
			2010A1158	BL38B1	金谷 茂則	
			2009B6915	BL44XU	金谷 茂則	
22187	Nujarin Jongruja	279 (2012) 2737-2753	2011B6612	BL44XU	金谷 茂則	Structure and Characterization of RNase H3 from <i>Aquifex aeolicus</i>
22935	Ryo Uehara	280 (2013) 994-1006	2011A6612	BL44XU	金谷 茂則	Accelerated Maturation of Tk-subtilisin by a Leu → Pro Mutation at the C-Terminus of Propeptide which Reduces the Binding of Propeptide to Tk-subtilisin

Inorganic Chemistry

20229	Biao Zhou	48 (2009) 10151-10157	2009A0084	BL02B2	久保田 佳基	Structural Anomalies Associated with Antiferromagnetic Transition of Single-Component Molecular Metal [Au(tmdt) <sub>2</sub> ]
20452	Takafumi Yamamoto	50 (2011) 11787-11794	2011A1944	BL10XU	陰山 洋	B1-to-B2 Structural Transitions in Rock Salt Intergrowth Structures
22868	Kentarō Shiro	52 (2013) 1604-1609	2009B1322	BL02B2	山田 幾也	Pd <sup>2+</sup> -Incorporated Perovskite CaPd <sub>3</sub> B <sub>4</sub> O <sub>12</sub> (B = Ti, V)
			2011B1009	BL47XU	山田 幾也	
			2012A1660	BL27SU	山田 幾也	

Japanese Journal of Applied Physics

22915	Yutaro Kurihara	52 (2013) 017301	2012A1094	BL02B2	守友 浩	Structural Properties of Manganese Hexacyanoferrates against Li Concentration
23028	Shunsuke Yagi	52 (2013) 025501	2012A1619	BL02B2	山田 幾也	Synthesis of Binary Magnesium-Transition Metal Oxide via Inverse Coprecipitation
23232	Satoshi Yasuno	52 (2013) 03BA01	2011A1732	BL47XU	安野 聡	Physical Properties of Amorphous In-Ga-Zn-O Films Deposited at Different Sputtering Pressures

## Journal of Applied 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
22779	Christopher Rumble	113 (2013) 013907	2011A1078	BL08W	Deb Aniruddha	Competition of 3d/4f Orbitals Due to Competing Conductivity and Ferromagnetism in Fe/CoAs Layers in $\text{Eu}(\text{Fe}_{0.89}\text{Co}_{0.11})_2\text{As}_2$
22867	Kazuhiko Mukai	113 (2013) 053904	2007A1917	BL19B2	向 和彦	Pressure Dependence of Magnetic Transition Temperature in $\text{Li}[\text{Li}_x\text{Mn}_{2-x}]\text{O}_4$ ( $0 \leq x \leq 1/3$ ) Studied by Muon-Spin Rotation and Relaxation
22972	Koichiro Suekuni	113 (2013) 043712	2012B1285	BL02B2	末國 晃一郎	High-performance Thermoelectric Mineral $\text{Cu}_{12-x}\text{Ni}_x\text{Sb}_4\text{S}_{13}$ Tetrahedride
			2012B0084	BL02B2	久保田 佳基	

## Journal of Physics: Conference Series

22881	Shogo Kawaguchi	391 (2012) 012095	2010B0084	BL02B2	久保田 佳基	Structural Analysis of Spinel Compound $\text{CuV}_2\text{S}_4$ with Incommensurate Charge-Density Wave
			2011A0084	BL02B2	久保田 佳基	
23154	Yuden Teraoka	417 (2013) 012031	2011A3803	BL23SU	寺岡 有殿	Al (111) Nitridation Below 473 K Induced by Supersonic $\text{N}_2$ Molecular Beam as Observed by Synchrotron Radiation Photoemission Spectroscopy
			2008B3802	BL23SU	寺岡 有殿	
			2008A3802	BL23SU	寺岡 有殿	
			2007A3802	BL23SU	寺岡 有殿	
			2006B3801	BL23SU	寺岡 有殿	
23155	Keisuke Inoue	417 (2013) 012034	2011A3802	BL23SU	寺岡 有殿	Time-Evolution of Oxidation States at the Ni (111) Surface: $\text{O}_2$ Incident Translational Energy Dependence
			2010B3802	BL23SU	寺岡 有殿	
			2010A3802	BL23SU	寺岡 有殿	
			2008B3803	BL23SU	寺岡 有殿	
			2008A3803	BL23SU	寺岡 有殿	
			2007A3801	BL23SU	寺岡 有殿	
2006B3802	BL23SU	寺岡 有殿				

## Materials Science Forum

15605	Yoshiharu Waku	683-642 (2010) 997-1002	2006A1673	BL47XU	安田 秀幸	High Temperature Characteristics of Unidirectionally Solidified Eutectic Ceramic Composites and Some Potential Applications
17070	Hideyuki Yasuda	649 (2010) 131-136	2007B1496	BL20XU	安田 秀幸	Regular Structure Formation of Hypermonotectic Al-In Alloys
			2007A0014	BL20B2	安田 秀幸	
			2007B0014	BL20B2	安田 秀幸	
			2008A0014	BL20B2	安田 秀幸	
			2008B0014	BL20B2	安田 秀幸	
18745	BongHwan Kim	654-656 (2010) 974-977	2009B1531	BL20XU	安田 秀幸	Morphological Variation of Fe/Cr-rich Intermetallic Phase in Recycled Al-Si Alloy as a Function of Solidification Rate: Time-Resolved Radiography
			2008A1552	BL20XU	安田 秀幸	
			2007A0014	BL20B2	安田 秀幸	
			2007B0014	BL20B2	安田 秀幸	
			2008A0014	BL20B2	安田 秀幸	
			2008B0014	BL20B2	安田 秀幸	



Physical Review 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
21924	Thomas Willers	109 (2012) 046401	2011A4254	BL12XU	Tjeng Liu	Determining the In-Plane Orientation of the Ground-State Orbital of CeCu <sub>2</sub> Si <sub>2</sub>
22063	Shih Chang Weng	108 (2012) 146404	2006B4001	BL12B2	Chang Shih Lin	Direct Observation of Charge-Ordering in Magnetite Using Resonant Multi-Wave X-Ray Diffraction
			2007A4125	BL12B2	Chang Shih Lin	
			2007A4129	BL12B2	Chang Shih Lin	
			2007B4127	BL12B2	Chang Shih Lin	
			2007B4137	BL12B2	Chang Shih Lin	
			2008A4129	BL12B2	Chang Shih Lin	
			2008B4126	BL12B2	Chang Shih Lin	
2011B4129	BL12B2	Chang Shih Lin				
22807	Sean Giblin	109 (2012) 137005	2008B1607	BL25SU	Duffy Jonathan	Measurement of Magnetic Exchange in Ferromagnet-Superconductor La <sub>2/3</sub> Ca <sub>1/3</sub> MnO <sub>3</sub> /YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> Bilayers

Protein Science

19110	Eriko Matsuoka	20 (2011) 406-416	2008B1484	BL41XU	姚 閔	Crystal Structure of the Functional Region of Uro-adherence Factor A (UafA) from <i>Staphylococcus saprophyticus</i> Reveals Participation of the B Domain in Ligand Binding
			2009A1116	BL41XU	姚 閔	
21268	Nhan Nguyen	21 (2012) 553-561	2009A1357	BL38B1	金谷 茂則	Activity, Stability, and Structure of Metagenome-Derived LC11-RNase H1, a Homolog of <i>Sulfolobus tokodaii</i> RNase H1
			2010A6915	BL44XU	金谷 茂則	
21434	Yasuhito Shomura	21 (2012) 707-716	2011B6623	BL44XU	庄村 康人	Structural and Enzymatic Characterization of BacD, an L-amino Acid Dipeptide Ligase from <i>Bacillus subtilis</i>

American Mineralogist

14570	Junichi Fukuda	94 (2009) 981-985	2006A1768	BL43IR	篠田 圭司	Polarized Infrared Spectroscopic Study of Diffusion of Water Molecules along Structure Channels in Beryl
19569	Eiji Ito	94 (2009) 205-209	2005A0303	BL04B1	伊藤 英司	Determination of High-Pressure Phase Equilibria of Fe <sub>2</sub> O <sub>3</sub> Using the Kwai-type Apparatus Equipped with Sintered Diamond Anvils
			2004B0574	BL04B1	伊藤 英司	

Biophysical Journal

21204	Masaaki Sugiyama	101 (2011) 2037-2042	2008A1035	BL40B2	平井 光博	Kinetic Asymmetry of Subunit Exchange of Homooligomeric Protein as Revealed by Deuteration-Assisted Small-Angle Neutron Scattering
23234	Mathew Jenkins	104 (2013) 1065-1072	2008A1865	BL40XU	Pearson James	Myosin Heads Are Displaced from Actin Filaments in the In Situ Beating Rat Heart in Early Diabetes
			2009A1467	BL40XU	Pearson James	

Bioscience, Biotechnology, and Biochemistry

23005	Akihiro Doi	74 (2010) 1901-1907	2007B6808	BL44XU	内海 龍太郎	X-Ray Crystal Structure of the DNA-Binding Domain of Response Regulator WalR Essential to the Cell Viability of <i>Staphylococcus aureus</i> and Interaction with Target DNA
23047	Mitsuki Fukumoto	76 (2012) 1275-1284	2010A6532	BL44XU	原田 繁春	The Role of Amino Acid Residues in the Active Site of L-Methionine $\gamma$ -lyase from <i>Pseudomonas putida</i>
			2010B6532	BL44XU	原田 繁春	

Carbon

23252	Takayuki Kobayashi	53 (2013) 29-37	2010B1771	BL47XU	田代 孝二	Stress Concentration in Carbon Fiber Revealed by the Quantitative Analysis of X-ray Crystallite Modules and Raman Peak Shift Evaluated for the Various-Treated Monofilaments under Constant Tensile Forces
			2009A1802	BL47XU	田代 孝二	
23265	Yoshiki Sugimoto	57 (2013) 416-424	2011A7224	BL03XU	小林 貴幸	Structure Change of Carbon Fibers during Axial Compression

## Chemical Communications

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
22593	Takayuki Kibata	49 (2013) 167-169	2012A1316	BL01B1	金田 清臣	Investigation of Size-dependent Properties of Sub-nanometer Palladium Clusters Encapsulated within a Polyamine Dendrimer
22916	Tomoyuki Matsuda	49 (2013) 2750-2752	2012A1094	BL02B2	守友 浩	A Sodium Manganese Ferrocyanide Thin Film for Na-ion Batteries

## Chemistry Letters

22608	Tomoo Mizugaki	41 (2012) 1720-1722	2011A1763	BL14B2	金田 清臣	Selective Hydrogenolysis of Glycerol to 1,3-Propanediol Catalyzed by Pt Nanoparticles $\text{AlO}_x/\text{WO}_3$
			2012A1757	BL14B2	金田 清臣	
228709	Teruhiko Kashiwabara	37 (2008) 757-757	2005A0628	BL01B1	高橋 嘉夫	Oxidation States of Antimony and Arsenic in Marine Ferromanganese Oxides Related to Their Fractionation in Oxidic Marine Environment
			2007A1804	BL01B1	板井 啓明	

## The Journal of Biochemistry

14208	Takae Yamauchi	145 (2009) 421-424	2004B0864	BL41XU	後藤 勝	Serine Racemase with Catalytically Active Lysinoalanyl Residue
23030	Hironari Shimizu	151 (2012) 589-592	2008A6822	BL44XU	原田 繁春	Crystal Structure of Mitochondrial Quinol-Fumarate Reductase from the Parasite Nematode
			2008B6822	BL44XU	原田 繁春	
			2009A6932	BL44XU	原田 繁春	
			2009B6932	BL44XU	原田 繁春	
			2010A6532	BL44XU	原田 繁春	
			2010B6532	BL44XU	原田 繁春	
			2011A6636	BL44XU	原田 繁春	
2011B6636	BL44XU	原田 繁春				

## The Journal of Chemical Physics

22859	Isao H. Suzuki	138 (2013) 024302	2010A1157	BL27SU	長岡 伸一	Cascade Auger Decays Following Si $KL_{23}L_{23}$ Auger Transitions in $\text{SiF}_4$
			2010B1106	BL27SU	長岡 伸一	
22926	Yudai Izumi	138 (2013) 074305	2009A1491	BL25SU	中川 和道	X-ray Characteristic Oxygen $K$ -edge Circular Dichroism Spectra of Amino Acid Films by Improved Measurement Technique
			2009B1649	BL25SU	中川 和道	

## Journal of Crystal Growth

21813	Robert Dwiliński	310 (2008) 3911-3916	2007A3222	BL24XU	向井 孝志	Excellent Crystallinity of Truly Bulk Ammonothermal GaN
21814	Robert Dwiliński	311 (2009) 3015-3018	2008A3222	BL24XU	向井 孝志	Bulk Ammonothermal GaN

## Journal of Molecular Biology

22037	Takashi Nakamura	422 (2012) 33-44	2009A6928	BL44XU	中村 卓	Structural Analysis of the Substrate Recognition Mechanism in $O$ -phosphoserine Sulfhydrylase from the Hyperthermophilic Archaeon <i>Aeropyrum pernix K1</i>
			2009A1958	BL41XU	中村 卓	
22801	Natsumi Saito	425 (2013) 350-364	2009A1062	BL41XU	松浦 能行	A 2.1-Å-resolution Crystal Structure of Unliganded CRM1 Reveals the Mechanism of Autoinhibition
			2009A2000	BL41XU	松浦 能行	
			2009B1076	BL41XU	松浦 能行	
			2010A1043	BL41XU	松浦 能行	
			2010B1072	BL41XU	松浦 能行	
			2011A1093	BL41XU	松浦 能行	
2011B1083	BL41XU	松浦 能行				

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
19453	Kohei Uosaki	115 (2011) 12471-12482	2005A0729	BL14B1	魚崎 浩平	In Situ Electrochemical, Electrochemical Quartz Crystal Microbalance, Scanning Tunneling Microscopy, and Surface X-ray Scattering Studies on Ag/AgCl Reaction at the Underpotentially Deposited Ag Bilayer on the Au (111) Electrode Surface
			2004A0279	BL14B1	魚崎 浩平	
22966	Takahiro Ikeda	117 (2013) 2467-2473	2011A1601	BL01B1	熊 諳珂	Polyol SYNthesis of Size-Controlled Rh Nanoparticles and Their Application to Photocatalytic Overall Water Splitting under Visible Light

Journal of the Ceramic Society of Japan

22983	Hiroki Maeda	121 (2013) 265-267	2011A3786	BL22XU	若林 裕助	Structural Investigation of Magnetocapacitive SmMnO <sub>3</sub>
23061	Yoshihito Tanaka	121 (2013) 283-286	2012A8052	BL3	田中 義人	Time-Resolved Bragg Coherent X-ray Diffraction Revealing Ultrafast Lattice Dynamics in Nano-Thickness Crystal Layer Using X-ray Free Electron Laser

Key Engineering Materials

19070	Tetsuji Kato	470 (2011) 158-163	2008B1839	BL13XU	酒井 朗	Structural Change during the Formation of Directly Bonded Silicon Substrates
19081	Tetsuji Kato	470 (2011) 164-170	2007B1005	BL13XU	財満 鎮明	Microscopic Structure of Directly Bonded Silicon Substrates

Macromolecules

15504	Takashi Konishi	41 (2008) 3157-3161	2005A0217	BL40B2	金谷 利治	Mesomorphic Phase of Poly (butylene-2, 6-naphthalate)
			2004B0290	BL45XU	金谷 利治	
15507	Nelly Rahman	42 (2009) 4739-4745	2004B0290	BL45XU	金谷 利治	Effect of Polylactide Stereocomplex on the Crystallization Behavior of Poly (L-lactic Acid)

Physical Review E

21502	Daisuke Yamaguchi	85 (2012) 011403	2009A1572	BL40XU	王 偉亮	Aspect-Ratio-Dependent Phase Transitions and Concentration Fluctuations in Aqueous Colloidal Dispersions of Charged Platelike Particles
22984	Tomotaka Oroguchi	87 (2013) 022712	2012A8006	BL3	荻口 友隆	Three-Dimensional Structure Determination Protocol for Noncrystalline Biomolecules Using X-ray Free-Electron Laser Diffraction Imaging

Advanced Materials

20230	Biao Zhou	21 (2009) 3596-3600	2009A0084	BL02B2	久保田 佳基	Single-Component Molecular Conductor [Pt(tmdt) <sub>2</sub> ] (tmdt = trimethylenetetraethiafulvalenedithiolate) - An Advanced Molecular Metal Exhibiting High Metallicity
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Advanced Materials Research

22834	Kazuhiro Nogita	626 (2013) 200-204	2011B1048	BL20XU	野北 和宏	Real Time Synchrotron X-ray Imaging for Nucleation and Growth of Cu <sub>6</sub> Sn <sub>5</sub> in Sn-7Cu-0.05Ni High Temperature Lead-Free Solder Alloys
			2012A1192	BL20B2	野北 和宏	

Applied Catalysis A: General

23105	Sandip Mandal	452 (2013) 94-104	2011A1968	BL01B1	Chowdhury Biswajit	Sm-CeO <sub>2</sub> Supported Gold Nanoparticle Catalyst for Benzyl Alcohol Oxidation Using Molecular O <sub>2</sub>
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## Applied Surface 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
22979	Kenichi Ozawa	268 (2013) 117-123	2011A1770	BL27SU	鹿久保 隆志	High-Resolution Photoelectron Spectroscopy Study of Degradation of Rubber-to-Brass Adhesion by Thermal Aging

## Archives of Oral Biology

22896	Tomoko Tanaka	58 (2013) 174-180	2007A2095	BL40XU	田中 智子	Optimization of Calcium Concentration of Saliva with Phosphoryl Oligosaccharides of Calcium (POs-Ca) for Enamel Remineralization <i>in vitro</i>
			2009A1885	BL40XU	田中 智子	
			2009A1851	BL40XU	田中 智子	

## Biochemical and Biophysical Research Communications

22031	Zuoqi Gai	423 (2012) 515-519	2011A1064	BL45XU	姚 閔	The Binding Mechanism of eIF2 $\beta$ with its Partner Proteins, eIF5 and eIF2B $\epsilon$
			2010A1045	BL45XU	姚 閔	

## Biochimica et Biophysica Acta - Biomembranes

23158	Hiromitsu Nakazawa	1828 (2013) 1424-1431	2009A1163	BL40B2	中沢 寛光	Low-Flux Electron Diffraction Study for the Intercellular Lipid Organization on a Human Corneocyte
			2010B1240	BL40B2	中沢 寛光	
			2010A7203	BL03XU	加藤 知	
			2010B7252	BL03XU	加藤 知	
			2011A7202	BL03XU	加藤 知	
			2011B7253	BL03XU	加藤 知	

## Bulletin of the Chemical Society of Japan

22829	Yasuo Kameda	86 (2013) 99-103	2010B1255	BL04B2	出口 博史	High-Energy X-ray Diffraction Study on the Intramolecular Structure of 2-Aminoethanol in the Liquid State
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## Catalysis Science &amp; Technology

22816	Shun Nishimura	3 (2013) 351-359	2011A1607	BL01B1	西村 俊	The Role of Negatively Charged Au States in Aerobic Oxidation of Alcohols over Hydrotalcite Supported AuPd Nanoclusters
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## Catalysis Today

22825	Maiko Nishibori	201 (2013) 85-91	2010A1837	BL14B2	西堀 麻衣子	CO Oxidation Performance of Au/Co <sub>3</sub> O <sub>4</sub> Catalyst on the Micro Gas Sensor Device
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## ChemCatChem

22830	Jun Maruyama	5 (2013) 130-133	2010B1927	BL14B2	丸山 純	Hydrogen Evolution by Carbonaceous Nanoparticle Aggregates that were Derived from Cobalt Phthalocyanine
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## Chemical Science

19691	Ryotaro Matsuda	1 (2010) 315-321	2007B1760	BL02B2	松田 亮太郎	Temperature Responsive Channel Uniformity Impacts on Highly Guest-Selective Adsorption in a Porous Coordination Polymer
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## Chemistry - A European Journal

16840	Masataka Ohashi	15 (2009) 13041-13046	2008A5371	BL16B2	野中 敬正	A Periodic Mesoporous Organosilica-Based Donor-Acceptor System for Photocatalytic Hydrogen Evolution
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## Chemistry of Materials

20499	Toyoki Okumura	23 (2011) 3636-3644	2009A1507	BL01B1	内本 喜晴	Nanosized Effect on Electronic/Local Structures and Specific Lithium-Ion Insertion Property in TiO <sub>2</sub> -B Nanowires Analyzed by X-ray Absorption Spectroscopy
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ChemPhysChem

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
16000	Kazu Okumura	10 (2009) 3265-3272	2008B1237	BL01B1	奥村 和	Highly Dispersed Pd Species Active in the Suzuki-Miyaura Reactions
			2009A1055	BL01B1	奥村 和	
			2008A1832	BL14B2	平山 明香	
			2007B1950	BL14B2	平山 明香	

Circulation Research

22777	Mikiyasu Shirai	112 (2013) 209-221	2006A1486	BL40XU	Pearson James	Synchrotron Radiation Imaging for Advancing Our Understanding of Cardiovascular Function
			2008A1259	BL28B2	Schwenke Daryl	
			2008A1875	BL28B2	Pearson James	
			2008B1978	BL28B2	Pearson James	
			2009A1200	BL28B2	Schwenke Daryl	
			2009B1328	BL28B2	Schwenke Daryl	
			2010B1372	BL40XU	Pearson James	
			2010B0022	BL20B2	Lewis Rob	

Colloids and Surfaces B: Biointerfaces

22800	Kyuya Nakagawa	103 (2013) 366-374	2011B1366	BL40B2	中川 究也	Characterization of Casein-Based Nanoparticles Formed upon Freezing by in Situ SAXS Measurement
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Contributions to Mineralogy and Petrology

19420	Tahar Hammouda	161 (2011) 439-450	2007A1570	BL04B1	Hammouda Tahar	Ordering in Double Carbonates and Implications for Processes at Subduction Zones
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Disease Models and Mechanisms

23066	Johan Lindqvist	(2013) Online published January 18, 2013	2011A1042	BL45XU	Ochala Julien	The Fraction of Strongly Bound Cross-Bridges is Favored in Mice Carrying the Myopathy-Linked Myosin Heavy Chain Mutation, MYH4 <sup>L342Q</sup>
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Earth and Planetary Science Letters

22860	Keisuke Nishida	362 (2013) 182-186	2009B1075	BL04B1	河野 義生	Sound Velocity Measurements in Liquid Fe-S at High Pressure: Implications for Earth's and Lunar Cores
			2010A1793	BL04B1	河野 義生	

Electrochemical and Solid-State Letters

18035	Tomihisa Tachibana	13 (2010) B79-B82	2007A1712	BL37XU	新船 幸二	Structural Change by Annealing Process at Σ9 Grain Boundaries in Multicrystalline Silicon Substrate for Solar Cells
			2007B1260	BL37XU	新船 幸二	
			2008A1360	BL37XU	新船 幸二	

Electrochemistry

15630	Masanori Morishita	76 (2008) 802-807	2007B1031	BL19B2	境 哲男	Phase Transformation in the Charge-Discharge Process and the Structural Analysis by Synchrotron XAFS and XRD for Nickel Hydroxide Electrode
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Electrochimica Acta

22831	Jun Maruyama	90 (2013) 366-374	2010B1927	BL14B2	丸山 純	Carbonaceous Thin Film Coated Nanoparticle as Fuel Catalyst Formed by One-Pot Hybrid Physical-Chemical Vapor Deposition of Iron Phthalocyanine
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The EMBO 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
23054	Tatsuya Nishino	32 (2013) 424-436	2012A1104	BL38B1	西野 達哉	CENP-T Provides a Structural Platform for Outer Kinetochore Assembly
			2011A1211	BL38B1	西野 達哉	
			2010B1060	BL38B1	西野 達哉	
			2010B1059	BL38B1	西野 達哉	
			2011A6633	BL44XU	西野 達哉	

Environmental Science & Technology

23051	Takashi Fujimori	47 (2013) 2169-2176	2000B0309	BL01B1	高岡 昌輝	Thermochemical Behavior of Lead Adjusting Formation of Chlorinated Aromatics in MSW Fly Ash
			2001A0367	BL01B1	高岡 昌輝	
			2004A0039	BL01B1	高岡 昌輝	

European Journal of Inorganic Chemistry

20231	Emiko Fujiwara	12 (2009) 1585-1591	2009A0084	BL02B2	久保田 佳基	Structures and Physical Properties of Highly Conducting Single-Component Molecular Conductors Containing Se Atoms
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The FASEB Journal

22968	Qiong Tong	26 (2012) 3811-3821	2009B1276	BL41XU	Jiang Tao	Structural and Functional Insights into Lipid-Bound Nerve Growth Factors
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Genes to Cells

22892	Megumi Kagiya	18 (2013) 147-160	2010B1601	BL41XU	平野 良憲	Structures of D14 and D14L in the Strigolactone and Karrinkin Signaling Pathway
			2011A1222	BL41XU	平野 良憲	
			2011B6637	BL44XU	平野 良憲	

Geochimica et Cosmochimica Acta

22878	Teruhiko Kashiwabara	106 (2013) 364-378	2009B1720	BL37XU	柏原 輝彦	Tungsten Species in Natural Ferromanganese Oxides Related to Its Different Behavior from Molybdenum in Oxidic Ocean
			2010A1612	BL01B1	柏原 輝彦	
			2011B1279	BL01B1	高橋 嘉夫	
			2011B1400	BL01B1	東郷 洋子	
			2012A1767	BL14B2	柏原 輝彦	

Holzforschung

17863	Hitomi Hidaka	64 (2010) 167-171	2009A1360	BL38B1	和田 昌久	Synchrotron X-ray Fiber Diffraction Study on the Thermal Expansion Behavior of Cellulose Crystals in Tension Wood of Japanese Poplar in the Low-Temperature Region
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IEEE Journal of Photovoltaics

22897	Dominic Gerlach	3 (2013) 483-487	2011A4609	BL15XU	角谷 正友	p-Type a-Si:H/ZnO:Al and $\mu$ c-Si:H/ZnO:Al Thin-Film Solar Cell Structures — A Comparative Hard X-Ray Photoelectron Spectroscopy Study
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IEEE Transactions on Dielectrics and Electrical Insulation

22806	Hisakatsu Kawarai	19 (2012) 1884-1890	2007B5430	BL16B2	上原 康	Influences of Oxygen and 2,6-di-tert-butyl-p-cresol on Copper Sulfide Deposition on Insulating Paper in Oil-immersed Transformer Insulation
			2008B5431	BL16B2	上原 康	
			2009B5430	BL16B2	上原 康	

International Journal of Cast Metals Research

15608	Hideyuki Yasuda	22 (2009) 15-21	2008A0014	BL20B2	安田 秀幸	<i>In-situ</i> Observation of Solidification Phenomena in Al-Cu Alloy and Fe-Si-Al Alloy
			2007B0014	BL20B2	安田 秀幸	
			2007A0014	BL20B2	安田 秀幸	

International Journal of Pharmaceutics

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
22971	Shuji Noguchi	445 (2013) 93-98	2012A1670	BL37XU	板井 茂	Investigation of Internal Structure of Fine Granules by Microtomography Using Synchrotron X-ray Radiation

IOP Conference Series: Materials Science and Engineering

21743	Hideyuki Yasuda	33 (2012) 012036	2011A1370	BL28B2	安田 秀幸	Massive Transformation from $\delta$ Phase to $\gamma$ Phase in Fe-C Alloys and Strain Induced in Solidifying Shell
			2011B1435	BL20XU	安田 秀幸	
			2010B1478	BL28B2	安田 秀幸	
			2010A1352	BL28B2	安田 秀幸	
			2009B0014	BL20B2	安田 秀幸	

ISIJ International

22914	Nobuo Otsuka	53 (2013) 286-293	2009A1785	BL19B2	大塚 伸夫	In-situ Measurements of Isothermal Wüstite Transformation of Thermally Grown FeO Scale Formed on 0.048 mass% Fe by Synchrotron Radiation in Air
			2009B1790	BL19B2	大塚 伸夫	
			2010A1754	BL19B2	大塚 伸夫	

Journal of Alloys and Compounds

23186	Naruki Endo	546 (2013) 270-274	2011A3602	BL14B1	齋藤 寛之	Phase Diagram and Equation of State of TiH <sub>2</sub> at High Pressures and High Temperatures
			2011B3602	BL14B1	齋藤 寛之	

Journal of Analytical Atomic Spectrometry

22898	Hisashi Hayashi	28 (2013) 373-378	2012A1327	BL39XU	林 久史	New Method for Determining the Valence of Lanthanide Compounds: L <sub>γ</sub> Emission Spectroscopy
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The Journal of Biological Chemistry

22092	Makoto Matsuda	286 (2011) 23368-23377	2008B6500	BL44XU	山下 栄樹	Crystal Structure of the Cytoplasmic Phosphatase and Tensin Homolog (PTEN) -like Region of <i>Ciona intestinalis</i> Voltage-sensing Phosphatase provides Insight into Substrate Specificity and Redox Regulation of the Phosphoinositide Phosphatase Activity
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Journal of Controlled Release

22836	Ayano Fukuhara	159 (2012) 143-150	2006A1059	BL40B2	乾隆	Drug Delivery System for Poorly Water-Soluble Compounds Using Lipocalin-Type Prostaglandin D Synthase
			2007A1972	BL40B2	乾隆	
			2007A1887	BL40B2	乾隆	
			2007B1812	BL40B2	乾隆	
			2008A1657	BL40B2	乾隆	

Journal of Electron Spectroscopy and Related Phenomena

23280	Kazuo Soda	186 (2013) 54-57	2011A1617	BL47XU	曾田 一雄	Characterization of Nb Hydrides Synthesized in High-Pressure Supercritical Water by Micro-Beam Hard X-ray Photoelectron Spectroscopy
			2012A1001	BL47XU	曾田 一雄	
			2012A1042	BL47XU	曾田 一雄	

Journal of Electronic Materials

22833	Stuart McDonald	42 (2013) 256-262	2011B1048	BL20XU	野北 和宏	Influence of Composition on the Morphology of Primary Cu <sub>6</sub> Sn <sub>5</sub> in Sn-4Cu Alloys
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Journal of Geophysical 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
23281	Takashi Yoshino	117 (2012) B08205	2009A1369	BL04B1	芳野 極	Effect of Temperature, Pressure and Iron Content on the Electrical Conductivity of Olivine and Its High-Pressure Polymorphs
			2009B1175	BL04B1	芳野 極	
			2010A1205	BL04B1	芳野 極	
			2010B1311	BL04B1	芳野 極	
			2011A1161	BL04B1	芳野 極	

Journal of Magnetism and Magnetic Materials

22842	Masafumi Matsushita	333 (2013) 13-17	2010B1404	BL01B1	松下 正史	Effect of 50-keV Proton Irradiation on the Magnetism of a Fe <sub>66</sub> Ni <sub>34</sub> Invar Alloy
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Journal of Non-Crystalline Solids

22920	Masanori Inui	366 (2013) 22-29	2012A1155	BL28B2	乾 雅祝	Chemical Order in Liquid As <sub>2</sub> Se <sub>3</sub> at High Temperatures Obtained by X-ray Scattering and Reverse Monte Carlo Modeling
			2005B0412	BL28B2	乾 雅祝	

Journal of Nuclear Materials

22894	Masashi Watanabe	434 (2013) 189-197	2011B3771	BL22XU	米澤 利夫	Measurement Methods for Surface Oxides on SUS 316L in Simulated Light Water Reactor Coolant Environments Using Synchrotron XRD and XRF
			2011B1025	BL13XU	米澤 利夫	
			2011A3783	BL22XU	米澤 利夫	
			2011A1022	BL13XU	米澤 利夫	
			2010B3783	BL22XU	米澤 利夫	
			2010A3784	BL22XU	葛蒲 敬久	
			2009B3785	BL22XU	葛蒲 敬久	
			2009B1022	BL13XU	庄子 哲雄	
			2009A3787	BL22XU	葛蒲 敬久	
			2009A1004	BL13XU	庄子 哲雄	
			2008B3772	BL22XU	米澤 利夫	
			2008B1333	BL13XU	米澤 利夫	
			2008B2090	BL46XU	米澤 利夫	
			2008A3771	BL22XU	米澤 利夫	
2007A3772	BL22XU	葛蒲 敬久				

Journal of Power Sources

22978	Tomokazu Sakamoto	234 (2013) 252-259	2010B2046	BL14B2	坂本 友和	Electrooxidation of Hydrazine Hydrate Using Ni-La Catalyst for Anion Exchange Membrane Fuel Cells
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Journal of Solid State Chemistry

22975	Ryo Sasai	198 (2013) 452-458	2010A1287	BL02B2	笹井 亮	Preparation and Optical Characteristics of Layered Perovskite-Type Lead-Bromide-Incorporated Azobenzene Chromophores
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Journal of Structural Biology

22969	Hongjun Yu	181 (2013) 252-263	2011A1177	BL41XU	Jiang Tao	Crystal Structures of MBOgg1 in Complex with Two Abasic DNA Ligands
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Journal of the American Ceramic Society

18180	Tsunenori Watanabe	93 (2010) 3908-3915	2007B1937	BL14B2	岩本 伸司	Synthesis of Gallium-Aluminum Dawsonites and Their Crystal Structures
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Journal of the American Chemical Society

22819	Yu Fang	135 (2013) 613-615	2012A0042	BL41XU	藤田 誠	Noncovalent Tailoring of the Binding Pocket of Self-Assembled Cages by Remote Bulky Ancillary Groups
			2012A0039	BL38B1	藤田 誠	



Journal of the Electrochemical 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
22957	Yashiro Ohgi	160 (2013) F162-F167	2009B1824	BL19B2	今井 英人	Factors for Improvements of Catalytic Activity of Zirconium Oxide-Based Oxygen-Reduction Electrocatalysts
			2010A1750	BL19B2	石原 顕光	
			2010B1793	BL19B2	今井 英人	
			2010B1887	BL19B2	今井 英人	

Langmuir

22865	Daiki Murakami	29 (2013) 1148-1151	2012A1292	BL43IR	高原 淳	Spreading and Structuring of Water on Superhydrophilic Polyelectrolyte Brush Surfaces
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Materials Science & Engineering A

23027	Eui Pyo Kwon	570 (2013) 43-50	2011B1780	BL28B2	鈴木 茂	Microscopic Residual Stress Evolution during Deformation Process of an Fe-Mn-Si-Cr Shape Memory Alloy Investigated Using White X-ray Microbeam Diffraction
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Materials Transactions

21738	BongHwan Kim	53 (2012) 374-379	2009B1531	BL20XU	安田 秀幸	Real-Time Radiographic Observation of Solidification Behavior of Al-Si-Cu Casting Alloys with the Variation of Iron Content
			2008B1560	BL20XU	安田 秀幸	
			2009B1532	BL20XU	安田 秀幸	
			2009B0014	BL20B2	安田 秀幸	

Methods in Cell Biology

15544	Kazuhiro Oiwa	91 (2009) 89-109	2005B0331	BL45XU	大岩 和弘	X-ray Fiber Diffraction Studies on Flagellar Axonemes
			2006A1329	BL45XU	大岩 和弘	
			2006B1418	BL45XU	榊原 斉	
			2007A1187	BL45XU	榊原 斉	
			2007B1448	BL45XU	鳥羽 菜	
			2008A1544	BL45XU	鳥羽 菜	
			2007B1294	BL40XU	大岩 和弘	
			2008A1123	BL40XU	大岩 和弘	
			2008B1143	BL40XU	大岩 和弘	
2005A0741	BL45XU	上村 慎治				

Microscopy and Microanalysis

20232	Kenta Yoshida	17 (2011) 264-273	2009B0084	BL02B2	久保田 佳基	Specific Surface Area and Three-Dimensional Nanostructure and Specific Surface Area Measurements of Porous Titania Photocatalysts by Electron Tomography and Their Relation to Photocatalytic Activity
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Nanoscale

22908	Masayasu Nishi	5 (2013) 2080-2088	2011A1387	BL02B2	大久保 貴広	Highly Compressed Nanosolution Restricted in Cylindrical Carbon Nanospaces
			2011B1885	BL02B2	大久保 貴広	

Nature

21852	Shigeru Kasahara	486 (2012) 382-385	2011A1200	BL02B1	芝内 孝禎	Electronic Nematicity above the Structural and Superconducting Transition in BaFe <sub>2</sub> (As <sub>1-x</sub> P <sub>x</sub> ) <sub>2</sub>
			2011B1897	BL02B1	芝内 孝禎	

Nature Communications

21829	Soshi Iimura	3 (2012) 943	2011A1142	BL02B2	金 廷恩	Two-Dome Structure in Electron-Doped Iron Arsenide Superconductors
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Nature Structural and Molecular Biology

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
18138	Lin Tang	17 (2010) 492-496	2007B1382	BL41XU	Jiang Tao	Crystal Structure of the Carnitine Transporter and Insights into the Antiport Mechanism

Physica Status Solidi A

16354	Kentarou Kajiwara	206 (2009) 1838-1841	2007A2057	BL28B2	梶原 堅太郎	Development of Visualization Method of Grain Boundaries in Stainless Steel by using White X-ray Micro-Beam and Image Detector
			2006B0161	BL28B2	有岡 孝司	
			2006B0220	BL28B2	有岡 孝司	
			2007B1518	BL28B2	梶原 堅太郎	

Physical Chemistry Chemical Physics

20702	Fanica Cimpoesu	13 (2011) 9609-9615	2005A0683	BL02B2	澤 博	Vibrational Properties of Noble Gas Endohedral Fullerenes
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PLoS ONE

21841	Ken Okada	7 (2012) e40307	2010A1158	BL38B1	金谷 茂則	Characteristic Features of Kynurenine Aminotransferase Allosterically Regulated by (Alpha)-Ketoglutarate in Cooperation with Kynurenine
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Polymer

22815	Shinichi Kitade	54 (2013) 246-257	2010A7231	BL03XU	北出 慎一	Shear-Induced Pre-Crystallization Structures of Long Chain Branched Polypropylene under Steady Shear Floe Near the Melting Temperature
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Polymer Bulletin

22783	Sudu Siqing	70 (2013) 105-115	2011A1485	BL13XU	高原 淳	Grazing-Incidence Wide-Angle X-ray Diffraction Study on Molecular Aggregation State of Imprinted Polyimide Film before and after Hard Baking
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Polymer Degradation and Stability

22931	Masahisa Wada	95 (2010) 1330-1334	2005B0937	BL40B2	佐々木 園	X-ray Diffraction Study on the Thermal Expansion Behavior of Cellulose I $\beta$ and Its High-Temperature Phase
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Proceeding of the Modeling of Casting, Welding and Advanced Solidification Processes X

4780	Itsuo Ohnaka	(2003) 403-414	2002B0136	BL20B2	大中 逸雄	Recent Development of Numerical Modeling of Casting and Solidification
			2002A0231	BL20B2	大中 逸雄	

Respiratory Physiology & Neurobiology

22793	Toshihiro Sera	185 (2013) 639-646	2008B1384	BL20B2	世良 俊博	Airway Distension during Lung Inflation in Healthy and Allergic-Sensitized Mice <i>in vivo</i>
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Review of Scientific Instruments

22974	Ken-ichi Funakoshi	83 (2012) 103908	2004B0698	BL04B1	野澤 暁史	Development of a Method for Measuring the Density of Liquid Sulfur at High Pressures Using the Falling-Sphere Technique
			2005B0364	BL04B1	野澤 暁史	
			2011B2105	BL04B1	舟越 賢一	

Science

23195	Hiromi Tanji	339 (2013) 1426-1429	2012A1829	BL41XU	大戸 梅治	Structural Reorganization of the Toll-Like Receptor 8 Dimer Induced by Agonistic Ligands
			2012B1179	BL41XU	大戸 梅治	

Science and Technology of Advanced Materials

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
23041	Mickael Lozac'h	14 (2013) 015007	2009A4603	BL15XU	角谷 正友	Determination of the Surface Band Bending in $\text{In}_x\text{Ga}_{1-x}\text{N}$ Films by Hard X-ray Photoemission Spectroscopy

Scripta Materialia

22906	Hiroshi Okuda	68 (2013) 575-578	2012A1186	BL04B2	奥田 浩司	Evolution of Long-Period Stacking Order Structures on Annealing as-cast $\text{Mg}_{85}\text{Y}_9\text{Zn}_6$ Alloy Ingot Observed by Synchrotron Radiation Small-Angle Scattering
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Soft Matter

22864	Hang Xu	9 (2013) 1967-1974	2011B1008	BL40B2	高原 淳	Structural Effects of Catechol-Containing Polystyrene Gels Based on a Dual Cross-Linking Approach
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Structure

22882	James Nyirenda	21 (2013) 32-41	2011A1904	BL26B2	神田 大輔	Crystallographic and NMR Evidence for Flexibility in Oligosaccharyltransferases and its Catalytic Significance
			2011A6619	BL44XU	神田 大輔	
			2011B6619	BL44XU	神田 大輔	

Topics in Catalysis

16481	TaeYeon Kim	53 (2010) 116-122	2008A1848	BL14B2	杉村 高志	Enantioselective Hydrogenation of Olefins using Commercially Available Pd/C. Chiral Heterogeneous Catalyst Applicable for High-Throughput Screening
			2007B1963	BL14B2	杉村 高志	

Transactions of the Materials Research Society of Japan

18362	Muneyuki Imafuku	33 (2009) 381-384	2007A3772	BL22XU	菟浦 敬久	State of the Art X-ray Diffraction Methods for Measuring Stress State in a Single Crystal
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オステオポロシス・ジャパン (日本骨粗鬆症学会雑誌, Osteoporosis Japan)

19043	Takeshi Matsumoto	19 (2011) 210-213	2008A1078	BL20B2	松本 健志	K-edge Subtraction 3D Imaging of Cortical Bone Repair and Angiogenesis by Synchrotron Radiation CT with a Zirconia-Based Contrast Agent in a Rat Tibial Defect Model
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月刊地球 (The Earth Monthly)

15116	Hiroshi Hasegawa	31 (2009) 625-632	2008B1849	BL19B2	長谷川 浩	Study on Origin of Calcareous Skeleton Color in Precious Corals
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考古学と自然科学 (Archaeology and Natural Science)

18275	Suyako Mizuno	63 (2011) 85-95	2007B1544	BL20XU	杉山 淳司	Synchrotron X-ray Microtomography - Wood Identification for National Heritages -
			2008B1563	BL20XU	杉山 淳司	
			2009B1093	BL20XU	杉山 淳司	
			2009B1981	BL20XU	杉山 淳司	

铸造工学 (Journal of Japanese Foundry Engineering 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
18682	Akira Sugiyama	83 (2011) 131-136	2007A0014	BL20B2	安田 秀幸	Direct Observation of Solidification of Cast Iron by Time-resolved X-ray Imaging
			2007B0014	BL20B2	安田 秀幸	
			2008A0014	BL20B2	安田 秀幸	
			2008B0014	BL20B2	安田 秀幸	
			2009A0014	BL20B2	安田 秀幸	
			2009B0014	BL20B2	安田 秀幸	
			2008B1560	BL20XU	安田 秀幸	
			2009B1532	BL20XU	安田 秀幸	
2010A1352	BL28B2	安田 秀幸				

鉄と鋼 (Tetsu to Hagane)

22863	Tomoya Nagira	99 (2013) 141-148	2008A0014	BL20B2	安田 秀幸	Characterization of Shear Deformation Based on in-situ Observation of Deformation in Semi-Solid Al-Cu Alloys and Water-Particle Mixture
			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	
			2008B1560	BL20XU	安田 秀幸	

日本応用磁気学会誌 (Journal of the Magnetics Society of Japan)

20893	Yuji Kondo	34 (2010) 484-488	2005B0785	BL39XU	近藤 祐治	Fabrication of Co-Pt Dot Array with 1 Tdot/in <sup>2</sup> for Bit Patterned Media by Low Energy Ion Etching
			2006B0123	BL39XU	近藤 祐治	
			2007B1727	BL39XU	近藤 祐治	
			2008B1819	BL39XU	近藤 祐治	

分析化学 (Bunseki Kagaku)

19761	Atsushi Funatsuki	59 (2010) 801-810	2002A0223	BL01B1	高岡 昌輝	Speciation Analysis for Cadmium in Fly Ash
			2004A0039	BL01B1	高岡 昌輝	
			2009A1538	BL01B1	高岡 昌輝	

レーザー研究 (The Review of Laser Engineering)

22987	Masayoshi Nakasako	40 (2013) 680-686	2012A8001	BL3	高橋 幸生	Coherent X-Ray Diffraction Imaging of Non-Crystalline Particles
			2012A8005	BL3	中迫 雅由	
			2012A8022	BL3	山本 雅貴	
			理研	BL29XU		

博士論文 (京都大学)

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
19009	Suyako Mizuno	(2011)	2009B1093	BL20XU	杉山 淳司	Wood Identification of Cultural Artifacts -A Combined Use of Synchrotron X-ray Microtomography and Optical Microscopy Techniques-
19727	Yifei Sun	(2006)	2005A0730	BL28B2	高岡 昌輝	Decomposition of Polychlorinated Biphenyls with Activated Carbon-Supported Iron
20149	Tsunenori Watanabe	(2011)	2010A5351	BL16B2	出口 博史	$\gamma$ -Gallia-Alumina Catalysts for Selective Catalytic Reduction of NO with Methane
			2008B5351	BL16B2	出口 博史	
			2006B5350	BL16B2	出口 博史	
			C05A4050	BL16B2	出口 博史	
			2007B1937	BL14B2	岩本 伸司	
20813	Kengo Oka	(2010)	2007B1674	BL02B2	岡 研吾	The Structures and Physical Properties of Pb or Bi Containing Perovskite Oxides
			2008B1750	BL02B2	岡 研吾	
			2009B1698	BL02B2	岡 研吾	
20898	Masayuki Niiyama	(2008)	C01A6001	BL33LEP	中野 貴志	Photoproduction of $\Lambda$ (1405) and $\Sigma^0$ (1385) Hyperons on the Proton at $E_\gamma = 1.5 - 2.4$ GeV
			C01B6001	BL33LEP	中野 貴志	
			C02A6001	BL33LEP	中野 貴志	
			C02B6001	BL33LEP	中野 貴志	
			C03A6001	BL33LEP	中野 貴志	
			C03B6001	BL33LEP	中野 貴志	
			C05A6001	BL33LEP	中野 貴志	
			2005B6001	BL33LEP	堀田 智明	
			2006A6001	BL33LEP	堀田 智明	
			2006B6001	BL33LEP	堀田 智明	
			2007A6001	BL33LEP	堀田 智明	
2007B6001	BL33LEP	堀田 智明				
21232	Eiko Mieda	(2011)	2011A1409	BL38B1	笹森 貴裕	Studies on the Synthesis of Kinetically Stabilized Silyne

博士論文 (群馬大学)

10577	Hiroki Iwase	(2002)	2001A0001	BL40B2	平井 光博	Study of Glycolipids/Globular Proteins Systems Using X-ray and Neutron Solution Scattering Methods
10578	Masaharu Koizumi	(2006)	2002B0527	BL40B2	平井 光博	Structural Study of Protein Folding and Amyloid Formation
22980	Teruaki Onai	(2010)	2008A1035	BL40B2	平井 光博	Structural Study of Effect of Alcohol and Osmotic Pressure on Ganglioside Micelle and Vesicle of Lipid Mixture
			2009B1730	BL40B2	平井 光博	
			2008A1035	BL40B2	平井 光博	
			2006B1036	BL40B2	平井 光博	
22981	Tomohiro Hayakawa	(2004)	2002A0256	BL40B2	平井 光博	Study of Functional Structures of Ganglioside-Cholesterol Mixtures As an Model of Glycolipid Micro-domains

博士論文 (National Sun Yat-Sen University)

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
20900	Chen Jia-Ye	(2009)	C01A6001	BL33LEP	中野 貴志	Near-Threshold Photoproduction of $\Lambda$ (1520) from Protons and Deuterons at SPring-8/LEPS
			C01B6001	BL33LEP	中野 貴志	
			C02A6001	BL33LEP	中野 貴志	
			C02B6001	BL33LEP	中野 貴志	
			C03A6001	BL33LEP	中野 貴志	
			C03B6001	BL33LEP	中野 貴志	
			C05A6001	BL33LEP	中野 貴志	
			2005B6001	BL33LEP	堀田 智明	
			2006A6001	BL33LEP	堀田 智明	
			2006B6001	BL33LEP	堀田 智明	
			2007A6001	BL33LEP	堀田 智明	
			2007B6001	BL33LEP	堀田 智明	
			2008A6001	BL33LEP	堀田 智明	
2008B6001	BL33LEP	堀田 智明				

博士論文 (Pusan National University)

20901	Sanghoon Hwang	(2011)	2007B6001	BL33LEP	堀田 智明	Forward-Angle Exclusive $K^{*0} \Sigma^{+}$ Photoproduction from the Proton at $E_{\gamma}=1.85-3.0$ GeV
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博士論文 (大阪大学)

20899	Manabu Miyabe	(2010)	C01A6001	BL33LEP	中野 貴志	Incoherent $\phi$ Photo-Production from Deuteron at SPring-8/LEPS
			C01B6001	BL33LEP	中野 貴志	
			C02A6001	BL33LEP	中野 貴志	
			C02B6001	BL33LEP	中野 貴志	
			C03A6001	BL33LEP	中野 貴志	
			C03B6001	BL33LEP	中野 貴志	
			C05A6001	BL33LEP	中野 貴志	
			2005B6001	BL33LEP	堀田 智明	
			2006A6001	BL33LEP	堀田 智明	
			2006B6001	BL33LEP	堀田 智明	
			2007A6001	BL33LEP	堀田 智明	
			2007B6001	BL33LEP	堀田 智明	
			2008A6001	BL33LEP	堀田 智明	
2008B6001	BL33LEP	堀田 智明				
2009A6001	BL33LEP	堀田 智明				
2009B6001	BL33LEP	堀田 智明				

博士論文 (岡山大学)

19782	Hiroyuki Okazaki	(2011)	2008A1565	BL25SU	横谷 尚睦	Photoemission Study on Electronic Structure of Carbon Based Materials with Superconductivity Induced by Doping
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博士論文 (九州大学)

23063	Hiroki Takumi	(2013)	2012A1559	BL37XU	宅見 洋輝	Studies on Effect of Ion Pair Formation on Structure and Miscibility in the Adsorbed Films at the Air/Water Interface
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博士論文 (近畿大学)

23006	Akihiro Doi	(2011)	2010B6507	BL44XU	内海 龍太郎	Studies of the Domain Structures of WalR, a Response Regulator Essential for Gram-Positive Bacterial Growth, and Its Inhibitors
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博士論文 (神戸大学)

研究成果番号	主著者	雑誌情報	課題番号	ピームライン	実験責任者	タイトル
23065	Kenichi Sasaki	(2013)	2012A1748	BL46XU	小金澤 智之	Optimization Study of Bulk Heterojunction Photovoltaic Devices
			2012A1241	BL19B2	小金澤 智之	
			2012A1593	BL19B2	吉田 郵司	
			2012B1739	BL19B2	吉田 郵司	

博士論文 (静岡県立大学)

23053	Takeaki Uchimoto	(2013)	2012A1670	BL37XU	板井 茂	Evaluation of Triglycerin Behenate as a Novel Excipient for Highly-Functional Oral Solid Dosage Forms
			2012B1807	BL37XU	板井 茂	

博士論文 (千葉大学)

21774	Ryosuke Matsubara	(2011)	2008A1813	BL46XU	中村 雅一	Limiting Factors of Carrier Transport in Pentacene Polycrystalline Films
			2009A1827	BL46XU	中村 雅一	
			2010A1874	BL46XU	中村 雅一	

博士論文 (筑波大学)

16869	Fengxia Geng	(2009)	2007B4800	BL15XU	小林 啓介	Synthesis and Characterization of a New Anion-Exchangeable Layered Family Based on Rare-Earth Phosphors
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博士論文 (東京大学)

3038	Kouji Inoue	(2002)	2001A0151	BL08W	兵頭 俊夫	Positron Annihilation in Single Crystalline Insulators
			2001B0231	BL08W	兵頭 俊夫	

博士論文 (東京工業大学)

19717	Suntharee Busbongthong	(2009)	2005B0539	BL04B2	尾関 智二	Hydrogen Bonds in the Crystals of Keggin-type Polyoxometalates with a Series of Alkylammonium Cations
			2006A1287	BL04B2	尾関 智二	
			2006B1281	BL04B2	尾関 智二	
			2007A1421	BL04B2	尾関 智二	
			2007B1137	BL04B2	尾関 智二	
			2008A1340	BL04B2	尾関 智二	
			2009A1184	BL02B1	尾関 智二	

博士論文 (東北大学)

20978	Yoichi Nii	(2012)	2009B1242	BL02B1	有馬 孝尚	Spin-Orbital-Lattice Coupling and Related Physical Properties in Spinel-Type Oxide Compounds with Orbital Degeneracy
			2010A1397	BL02B1	有馬 孝尚	

博士論文 (姫路工業大学)

2939	Nozomi Hiraoka	(2001)	1999A0112	BL08W	櫻井 吉晴	Development and Application of a High Energy X-Ray Spectrometer for High Resolution Compton-Profile Measurements
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博士論文 (広島大学)

22970	Norifumi Yamada	(2005)	2000A0203	BL40B2	武田 隆義	二分子膜の積層構造における膜の揺らぎと構造の相関
			2000B0469	BL40B2	武田 隆義	
			2001A0547	BL40B2	武田 隆義	

博士論文 (北海道大学)

20082	Hitoshi Fukumitsu	(2011)	2006B3611	BL14B1	魚崎 浩平	Structure and Functions of Pt Nanoclusters Incorporated to Organic Molecular Layers and CeO <sub>2</sub>
			2007A3629	BL14B1	魚崎 浩平	

課題以外の成果として登録された論文

Physical Review Letters

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
22186	Akiyoshi Hishikawa	107 (2011) 243003	XFEL		Enhanced Nonlinear Double Excitation of He in Intense Extreme Ultraviolet Laser Fields
22209	R. Bachelard	106 (2011) 234801	XFEL		Wavefront Analysis of Nonlinear Self-Amplified Spontaneous-Emission Free-Electron Laser Harmonics in the Single-Shot Regime
23089	Yoshiki Kohmura	110 (2013) 057402	理研	BL29XU	Controlling the Propagation of X-ray Waves Inside a Heteroepitaxial Crystal Containing Quantum Dots Using Berry's Phase

Review of Scientific Instruments

22871	Hiroki Nakamori	83 (2012) 053701	光学系	BL29XU	Experiment and Simulation Study of Undesirable Short-Period Deformation in Piezoelectric Deformable X-ray Mirrors
23082	J. W. Jung	83 (2012) 093704	理研	BL29XU	Fast Microtomography Using Bright Monochromatic X-rays
23107	Yuki Takayama	83 (2012) 054301	理研	BL29XU	Humidity-Controlled Preparation of Frozen-Hydrated Biological Samples for Cryogenic Coherent X-ray Diffraction Microscopy

The Journal of Biochemistry

20868	Eriko Nango	150 (2011) 607-614	理研	BL26B1	Structure of <i>Thermus thermophilus</i> Homoisocitrate Dehydrogenase in Complex with a Designed Inhibitor
21367	Takeshi Murakawa	151 (2012) 167-178	理研	BL44XU	Structural Insights into the Substrate Specificity of Bacterial Copper Amine Oxidase Obtained by Using Irreversible Inhibitors

Journal of Applied Crystallography

20918	Shuji Akiyama	44 (2011) 1294-1296	理研	BL45XU	Octuple Cuvette for Small-Angle X-ray Solution Scattering
23129	Masahiro Fujihashi	45 (2012) 1156-1161	理研	BL26B1	Crystal Sample Pins and a Storage Cassette System Compatible with the Protein Crystallography Beamlines at Both the Photon Factory and SPring-8

Key Engineering Materials

22870	Hiroki Nakamori	523-524 (2012) 50-53	光学系	BL29XU	Development of an Ultraprecise Piezoelectric Deformable Mirror for Adaptive X-ray Optics
22874	Jangwoo Kim	523-524 (2012) 1076-1079	光学系	BL29XU	Improvement of Interface Roughness in Platinum/Carbon Multilayers for X-ray Mirrors

Optics Express

22872	Satoshi Matsuyama	20 (2012) 10311	光学系	BL29XU	Hard-X-ray Imaging Optics Based on Four Aspherical Mirrors with 50 nm Resolution
22875	Satoshi Matsuyama	20 (2012) 24977	光学系	BL29XU	Wavefront Measurement for a Hard-X-ray Nanobeam Using Single-Grating Interferometry

Physical Review B

23048	Masaharu Matsunami	84 (2011) 193101	理研	BL17SU	Kondo Resonance in PrTi <sub>2</sub> Al <sub>20</sub> : Photoemission Spectroscopy and Single-Impurity Anderson Model Calculations
23078	Yukio Takahashi	87 (2013) 121201 (R)	理研	BL29XU	Bragg X-ray Ptychography of a Silicon Crystal: Visualization of the Dislocation Strain Field and Production of a Vortex Beam

Scientific Reports

23084	Soeun Chang	3 (2013) 1304	理研	BL29XU	Tracking X-ray Microscopy for Alveolar Dynamics in Live Intact Mice
23092	Jin Kyung Kim	2 (2012) 468	理研	BL29XU	Defective Folliculogenesis in Female Mice Lacking Vaccinia-related Kinase 1



Acta Crystallographica Section D

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
23128	Anita R. Chacko	68 (2012) 57-61	理研	BL26B2	A New Pentameric Structure of Rotavirus NSP4 Revealed by Molecular Replacement

Applied Physics Express

22183	Toshihiko Shimizu	4 (2011) 062701	XFEL		Response Time-Shortened Zinc Oxide Scintillator for Accurate Single-Shot Synchronization of Extreme Ultraviolet Free-Electron Laser and Short-Pulse Laser
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Applied Physics Letters

23077	Yukio Takahashi	102 (2013) 094102	理研	BL29XU	High-Resolution and High-Sensitivity Phase-Contrast Imaging by Focused Hard X-ray Ptychography with a Spatial Filter
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Chemical Communications

23173	Wataru Kosaka	49 (2013) 1594-1596	理研	BL44B2	CO[ <sub>2</sub> ] Superabsorption in a Paddlewheel-Type Ru Dimer Chain Compound: Gate-Open Performance Dependent on Inter-Chain Interactions
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Current Applied Physics

22873	Jangwoo Kim	12 (2012) S20-S23	光学系	BL29XU	Improved Reflectivity of Platinum/Carbon Multilayers for X-ray Mirrors by Carbon Doping into Platinum Layer
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European Journal of Inorganic Chemistry

23208	Ryo Ohtani	2013 (2013) 738-744	理研	BL44B2	Modulation of the Interlayer Structures and Magnetic Behavior of 2D Spin-Crossover Coordination Polymers [Fe <sup>II</sup> (L) <sub>2</sub> Pt <sup>II</sup> (CN) <sub>4</sub> ]
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The Journal of Biological Chemistry

21273	Shuhei Nakane	286 (2011) 41636-41646	理研	BL26B2	<i>In Vivo</i> , <i>in Vitro</i> , and X-ray Crystallographic Analyses Suggest the Involvement of an Uncharacterized Triose-phosphate Isomerase (TIM) Barrel Protein in Protection against Oxidative Stress
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Journal of Inorganic and Organometallic Polymers and Materials

23188	Ryo Ohtani	23 (2013) 104-110	理研	BL44B2	Modulation of Spin-Crossover Behavior in an Elongated and Flexible Hofmann-Type Porous Coordination Polymer
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Journal of Physics B: Atomic, Molecular and Optical Physics

22181	N. Miyauchi	44 (2011) 071001	XFEL		Three-Photon Double Ionization of Ar studied by Photoelectron Spectroscopy Using an Extreme Ultraviolet Free-Electron Laser: Manifestation of Resonance States of an Intermediate Ar <sup>+</sup> Ion
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Journal of Physics: Conference Series

23218	Kazuhiro Tamura	425 (2013) 212005	加速器	BL05SS	Development of a High-Heat-Load Compact Photon Absorber for SPring-8 Diagnostics Beamline II
			挿入光源	BL05SS	

Journal of Synchrotron Radiation

23115	Atsushi Nisawa	20 (2013) 219-225	理研	BL26B1	Sagittal Focusing of Synchrotron Radiation X-rays Using a Winged Crystal
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Molecular Microbiology

21373	Tohru Minamino	83 (2012) 168-178	理研	BL32XU	Interaction between FliI ATPase and a Flagellar Chaperone FliT during Bacterial Flagellar Protein Export
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Nanoscale

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
22893	Fairolniza Mohd Shariff	5 (2013) 1489-1493	理研	BL44B2	Enhanced Magnetization in Highly Crystalline and Atomically Mixed bcc Fe-Co Nanoalloys Prepared by Hydrogen Reduction of Oxide Composites

Optics Letters

18028	Satoshi Matsuyama	35 (2010) 3583-3585	光学系	BL29XU	One-dimensional Wolter Optics with a Sub-50-nm Spatial Resolution
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X-Ray Spectrometry

18027	Satoshi Matsuyama	39 (2010) 260-266	理研	BL29XU	Elemental Mapping of Frozen Hydrated Cells with Cryo-scanning X-ray Fluorescence Microscopy
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アンサンブル (Ensemble)

23104	Masayoshi Nakasako	15 (2013) 7-18	理研	BL26B2	蛋白質水和構造の実験研究
			理研	BL44B2	
			理研	BL45XU	

化学工学 (Chemical Engineering)

23096	Takashi Tokushima	63 (2012) 8-15	理研	BL17SU	X-ray Emission Spectroscopy of Liquids - Fine Liquid Structure of Water, Hydration, and Hydrogen Bond -
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