

## 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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利用推進部

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 30 年 4 月～6 月に登録されたもの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、実験責任者の方には、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 2018 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	9	Angewandte Chemie International Edition	4
Scientific Reports	9	Applied Physics Express	4
Acta Crystallographica Section F	7	Chemical Communications	4
Japanese Journal of Applied Physics	6	Journal of the Ceramic Society of Japan	4
Physical Review Letters	6	Journal of the Physical Society of Japan	4
Inorganic Chemistry	5	Nature	4
Nature Communications	5	Physical Chemistry Chemical Physics	4

他全 170 誌、計 275 報

(注意) グループ課題として設定されている課題群については、その論文がグループ課題の中の複数の課題の成果である場合でも、代表課題となっている課題番号のみ表示しています。グループ課題に複数のビームラインの課題が含まれる場合、代表課題が複数のビームラインで実施されたように表示されています。

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
35870	Yuki Wakabayashi	96 (2017) 104410	2016A3831	BL23SU	藤森 淳	Electronic Structure and Magnetic Properties of Magnetically Dead Layers in Epitaxial CoFe <sub>2</sub> O <sub>4</sub> /Al <sub>2</sub> O <sub>3</sub> /Si(111) Films Studied by X-ray Magnetic Circular Dichroism
36024	A. Keqi	97 (2018) 155149	2009A4906	BL15XU	Fadley Charles	Electronic Structure of the Dilute Magnetic Semiconductor Ga <sub>1-x</sub> Mn <sub>x</sub> P from Hard X-ray Photoelectron Spectroscopy and Angle-Resolved Photoemission
			2010A4902	BL15XU	Fadley Charles	
			2010B4800	BL15XU	小林 啓介	
36044	Masanori Inui	97 (2018) 174203	2013B1269	BL35XU	乾 雅祝	Peculiar Atomic Dynamics in Liquid GeTe with Asymmetrical Bonding: Observation by Inelastic X-ray Scattering
			2013B1268	BL04B2	乾 雅祝	
			2012A1354	BL35XU	梶原 行夫	
36057	Yuya Kubota	96 (2017) 134432	2014A7401	BL07LSU	松田 巖	L-edge Resonant Magneto-Optical Kerr Effect of a Buried Fe Nanofilm
			2014B7401	BL07LSU	松田 巖	
			2014B7473	BL07LSU	松田 巖	
			2015A7401	BL07LSU	松田 巖	
36058	Yuya Kubota	96 (2017) 214417	2014A7401	BL07LSU	松田 巖	Determination of the Element-Specific Complex Permittivity using a Soft X-ray Phase Modulator
			2014B7401	BL07LSU	松田 巖	
			2014B7473	BL07LSU	松田 巖	
			2015A7401	BL07LSU	松田 巖	
			2015B7401	BL07LSU	松田 巖	
			2016A7403	BL07LSU	和達 大樹	
			2016A7504	BL07LSU	田久保 耕	
2016B7403	BL07LSU	和達 大樹				
36266	Akira Chikamatsu	97 (2018) 235101	2016A1221	BL47XU	近松 彰	Spectroscopic and Theoretical Investigation of the Electronic States of Layered Perovskite Oxyluoride Sr <sub>2</sub> RuO <sub>3</sub> F <sub>2</sub> Thin Films
			2015B1799	BL47XU	近松 彰	
36270	Naoya Emi	97 (2018) 161116(R)	2014B1564	BL39XU	水戸 毅	Kondo-like Behavior Near the Magnetic Instability in SmB <sub>6</sub> : Temperature and Pressure Dependences of the Sm Valence
			2014A1233	BL39XU	水戸 毅	
			2014B2041	BL39XU	河村 直己	
36391	Masato Goto	97 (2018) 224421	2017A1081	BL02B1	小林 慎太郎	In-Plane Spin Canting and 1/3-Magnetization-Plateau-like Behavior in S = 3/2 Cr <sup>3+</sup> Kagome Lattice Antiferromagnets Cs <sub>2</sub> KCr <sub>3</sub> F <sub>12</sub> and Cs <sub>2</sub> NaCr <sub>3</sub> F <sub>12</sub>
36395	Yukiharu Takeda	97 (2018) 184414	2011B3825	BL23SU	竹田 幸治	Element-Specific Observation of the Ferromagnetic Ordering Process in UCoAl via Soft X-ray Magnetic Circular Dichroism
			2014A3821	BL23SU	竹田 幸治	
			2014B3821	BL23SU	竹田 幸治	
			2015A3820	BL23SU	藤森 伸一	
			2015B3820	BL23SU	藤森 伸一	
2017A3811	BL23SU	藤森 伸一				

Scientific Reports-1

35874	Yoshitake Sakae	7 (2017) 13780	2015B6511	BL44XU	加藤 晃一	Conformational Effects of N-glycan Core Fucosylation of Immunoglobulin G Fc Region on Its Interaction with Fcγ Receptor IIIa
35875	Tadashi Satoh	7 (2017) 12142	2017A6712	BL44XU	加藤 晃一	Visualisation of a Flexible Modular Structure of the ER Folding-Sensor Enzyme UGGT
35887	Kohei Yoshimatsu	7 (2017) 12544	2015B4700	BL15XU	吉松 公平	Superconductivity in Ti <sub>4</sub> O <sub>7</sub> and γ-Ti <sub>2</sub> O <sub>5</sub> Films
			2016A4700	BL15XU	吉松 公平	
35992	Takayuki Ishii	8 (2018) 6358	2003A0087	BL04B1	桂 智男	Complete Agreement of the Post-Spinel Transition with the 660-km Seismic Discontinuity
			2003B0638	BL04B1	桂 智男	
			2004A0368	BL04B1	桂 智男	
			2004B0497	BL04B1	桂 智男	
			2015A1359	BL04B1	桂 智男	
			2015B1196	BL04B1	桂 智男	
			2016A1172	BL04B1	石井 貴之	
			2016A1274	BL04B1	桂 智男	
			2016A1434	BL04B1	劉 兆東	
			2016B1094	BL04B1	劉 兆東	
2017A1150	BL04B1	桂 智男				

Scientific Reports-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
35993	Sho Goto	7 (2017) 13216	2013A1637	BL46XU	水口 将輝	Synthesis of Single-Phase $L1_0$ -FeNi Magnet Powder by Nitrogen Insertion and Topotactic Extraction
			2013A1832	BL46XU	水口 将輝	
			2013A4903	BL15XU	水口 将輝	
			2013B1590	BL46XU	水口 将輝	
			2014A1568	BL46XU	水口 将輝	
			2014A1809	BL46XU	水口 将輝	
			2014A4906	BL15XU	水口 将輝	
			2015A1976	BL46XU	水口 将輝	
			2015B1625	BL46XU	水口 将輝	
			2016A1544	BL46XU	水口 将輝	
			2016A1771	BL46XU	水口 将輝	
			2016B1596	BL46XU	水口 将輝	
			2017A1600	BL46XU	水口 将輝	
2017A1784	BL46XU	水口 将輝				
2015B0901	BL13XU	千葉 大地				
36177	Yoshitaka Ebara	7 (2017) 9641	2012B4904	BL15XU	舟窪 浩	<i>In-situ</i> Observation of Ultrafast 90° Domain Switching under Application of an Electric Field in (100)/(001)-oriented Tetragonal Epitaxial $Pb(Zr_{0.4}Ti_{0.6})O_3$ Thin Films
			2014B4909	BL15XU	舟窪 浩	
			2012B1034	BL13XU	Valanoor Nagarajan	
			2012B1656	BL13XU	江原 祥隆	
			2013A4713	BL15XU	大橋 直樹	
36402	Seiji Negoro	8 (2018) 9725	2012A6721	BL44XU	柴田 直樹	Structural Basis of the Correct Subunit Assembly, Aggregation, and Intracellular Degradation of Nylon Hydrolase
			2012B6721	BL44XU	柴田 直樹	
			2014A6925	BL44XU	柴田 直樹	
			2014B6925	BL44XU	柴田 直樹	

Acta Crystallographica Section F

35913	Ratana Charoenwattanasatien	74 (2018) 86-91	2017A6500	BL44XU	山下 栄樹	X-ray Crystallographic and High-Speed AFM Studies of Peroxiredoxin 1 from <i>Chlamydomonas reinhardtii</i>
			2016B6500	BL44XU	山下 栄樹	
35918	Kanako Shinmura	68 (2012) 324-327	2011B6500	BL44XU	山下 栄樹	Crystallization and Preliminary X-ray Studies of an Electron-Transfer Complex of Ferredoxin and Ferredoxin-Dependent Glutamate Synthase from the Cyanobacterium <i>Leptolyngbya boyana</i>
35931	Saehae Choi	69 (2013) 1049-1051	2011A6500	BL44XU	山下 栄樹	Crystallization and Preliminary X-ray Diffraction Analysis of Human Importin $\beta$ -Snail Zinc Finger Domain Complex
			2011B6500	BL44XU	山下 栄樹	
			2012A6500	BL44XU	山下 栄樹	
			2012B6500	BL44XU	山下 栄樹	
35984	Masato Tsuyuguchi	74 (2018) 288-293	2015A6518	BL44XU	木下 誉富	Crystal Structures of Human CK2 $\alpha$ 2 in New Crystal Forms Arising from a Subtle Difference in Salt Concentration
			2015B6518	BL44XU	木下 誉富	
			理研	BL32XU		
36267	Fangjia Luo	74 (2018) 92-98	2014A6500	BL44XU	山下 栄樹	Structure of Bovine Cytochrome <i>c</i> Oxidase in the Ligand-Free Reduced State at Neutral pH
			2014B6500	BL44XU	山下 栄樹	
			2015A6500	BL44XU	山下 栄樹	
			2015B6500	BL44XU	山下 栄樹	
			2014A1860	BL26B2	島田 敦広	
36268	Fangjia Luo	73 (2017) 416-422	2014A6500	BL44XU	山下 栄樹	Structure of Bovine Cytochrome <i>c</i> Oxidase Crystallized at a Neutral pH using a Fluorinated Detergent
			2014B6500	BL44XU	山下 栄樹	
			2015A6500	BL44XU	山下 栄樹	
			2015B6500	BL44XU	山下 栄樹	
			2014A1860	BL26B2	島田 敦広	

Physical Review Letters-1

35977	Kihiro Yamada	120 (2018) 157203	2015B0901	BL39XU	千葉 大地	Microscopic Investigation into the Electric Field Effect on Proximity-Induced Magnetism in Pt
			2015A0117	BL39XU	小野 輝男	
36061	Yuichi Yokoyama	120 (2018) 206402	2016A7501	BL07LSU	山崎 裕一	Tensile-Strain-Dependent Spin States in Epitaxial $LaCoO_3$ Thin Films
			2016B7515	BL07LSU	山崎 裕一	
36227	Yoshiaki Kumagai	120 (2018) 223201	2014A8040	BL3	上田 潔	Radiation-Induced Chemical Dynamics in Ar Clusters Exposed to Strong X-Ray Pulses
36315	Hiroshi Uchiyama	120 (2018) 235901	2015A2030	BL35XU	内山 裕士	Phonon Lifetime Observation in Epitaxial ScN Film with Inelastic X-Ray Scattering Spectroscopy
			2015B1980	BL35XU	内山 裕士	
			2016B1495	BL35XU	内山 裕士	

Physical Review 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
36334	Shingo Yamamoto	120 (2018) 223902	2016B8078	BL1	松田 巖	Element Selectivity in Second-Harmonic Generation of GaFeO <sub>3</sub> by a Soft-X-Ray Free-Electron Laser
36389	Masafumi Horio	120 (2018) 257001	2015B1699	BL47XU	堀尾 眞史	Electronic Structure of Ce-Doped and -Undoped Nd <sub>2</sub> CuO <sub>4</sub> Superconducting Thin Films Studied by Hard X-Ray Photoemission and Soft X-Ray Absorption Spectroscopy
			2015B1793	BL47XU	和達 大樹	
			2015B7401	BL07LSU	松田 巖	

Inorganic Chemistry

36020	Hamdi Ben Yahia	53 (2014) 365-374	2012B1598	BL19B2	奥村 豊旗	Synthesis and Characterization of the Crystal and Magnetic Structures and Properties of the Hydroxyfluorides Fe(OH)F and Co(OH)F
36040	Yu Su	57 (2018) 5615-5623	2016B4504	BL15XU	山浦 一成	Synthesis, Crystal Structure, and Optical Properties of Layered Perovskite Scandium Oxychlorides: Sr <sub>2</sub> ScO <sub>3</sub> Cl, Sr <sub>3</sub> Sc <sub>2</sub> O <sub>5</sub> Cl <sub>2</sub> , and Ba <sub>3</sub> Sc <sub>2</sub> O <sub>5</sub> Cl <sub>2</sub>
			2017A4503	BL15XU	Belik Alexei	
36099	Alexei Belik	56 (2017) 12272-12281	2016B4504	BL15XU	山浦 一成	Complex Structural Behavior of BiMn <sub>7</sub> O <sub>12</sub> Quadruple Perovskite
			2017A4503	BL15XU	Belik Alexei	
36101	Lei Zhang	57 (2018) 5987-5998	2016B4504	BL15XU	山浦 一成	High-Pressure Synthesis, Structures, and Properties of Trivalent A-Site-Ordered Quadruple Perovskites RMn <sub>7</sub> O <sub>12</sub> (R = Sm, Eu, Gd, and Tb)
36132	Akira Miura	57 (2018) 5364-5370	2017B1211	BL02B2	三浦 章	Crystal Structure and Superconductivity of Tetragonal and Monoclinic Ce <sub>1-x</sub> Pr <sub>x</sub> OBiS <sub>2</sub>
			2017B1283	BL02B2	後藤 陽介	

Japanese Journal of Applied Physics

35939	Masamitsu Takahashi	57 (2018) 050101	2008B3503	BL11XU	高橋 正光	In situ Synchrotron X-ray Diffraction Study on Epitaxial-Growth Dynamics of III-V Semiconductors
			2010B3503	BL11XU	高橋 正光	
			2010B3574	BL11XU	大下 祥雄	
			2011A3503	BL11XU	高橋 正光	
			2011B3503	BL11XU	高橋 正光	
			2012A3503	BL11XU	高橋 正光	
			2012B3503	BL11XU	高橋 正光	
			2014A3503	BL11XU	佐々木 拓生	
			2014B3503	BL11XU	佐々木 拓生	
2015A3503	BL11XU	佐々木 拓生				
35966	Masahiro Nagano	52 (2013) 04CP09	2015A3321	BL08B2	鎌田 功穂	Plan-View and Cross-Sectional Photoluminescence Imaging Analyses of Threading Dislocations in 4H-SiC Epilayers
35980	Naohisa Happo	57 (2018) 058006	2014B1189	BL13XU	八方 直久	Improvement of Graphite Crystal Analyzer for Light Elements on X-ray Fluorescence Holography Measurement
36378	Hidekazu Okamura	56 (2017) 05FA11	2009A0089	BL43IR	岡村 英一	Infrared Spectroscopy Techniques for Studying the Electronic Structures of Materials under High Pressure
36380	Yusaku Yoshiike	57 (2018) 075701	2015A1191	BL13XU	平山 博之	X-ray Structural Analysis of an Epitaxially Grown Ag Film/Si(111) <sub>√3</sub> × <sub>√3</sub> -B Substrate Interface
			2014A1297	BL13XU	平山 博之	

Applied Physics Express

35884	Hikaru Nomura	10 (2017) 123004	2016B1018	BL25SU	野村 光	Controlling Operation Timing and Data Flow Direction between Nanomagnet Logic Elements with Spatially Uniform Clock Fields
			2017A1014	BL25SU	野村 光	
35968	Norihiro Hoshino	7 (2014) 065502	2016A3321	BL08B2	鎌田 功穂	High-Speed, High-Quality Crystal Growth of 4H-SiC by High-Temperature Gas Source Method
36023	Takumi Nishikubo	11 (2018) 061102	2014B1731	BL02B2	中野 紀穂	Optimized Negative Thermal Expansion Induced by Gradual Intermetallic Charge Transfer in Bi <sub>1-x</sub> Sb <sub>x</sub> NiO <sub>3</sub>
			2015B4905	BL15XU	東 正樹	
			2016A3753	BL22XU	町田 晃彦	
			2016A1641	BL02B2	西久保 匠	
36358	Shinya Hosokawa	11 (2018) 071402	2016B1192	BL13XU	細川 伸也	Seeds of L <sub>12</sub> Clusters in Amorphous Mg <sub>95</sub> Zn <sub>5</sub> Y <sub>9</sub> Alloy Observed via Anomalous X-ray Scattering
			2017B1201	BL13XU	細川 伸也	

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
35823	Yoshihiro Goto	54 (2018) 3528-3531	2017A7001	BL33XU	高木 秀樹	Enhanced Oxygen Storage Capacity of Cation-Ordered Cerium-Zirconium Oxide Induced by Titanium Substitution
36007	Hashiru Negishi	54 (2018) 1988-1991	2015B1044	BL32XU	上野 隆史	Supramolecular Protein Cages Constructed from a Crystalline Protein Matrix
			2016A2551	BL32XU	上野 隆史	
36122	Kenichiro Omoto	54 (2018) 7290-7293	2016B1264	BL45XU	細野 暢彦	Paraffinic Metal-Organic Polyhedrons: Solution-Processable Porous Modules Exhibiting Three-Dimensional Molecular Order
36242	Zhanning Liu	54 (2018) 5712-5715	2017A1174	BL44B2	Lin Kun	3D Negative Thermal Expansion in Orthorhombic MIL-68(In)

Journal of the Ceramic Society of Japan

35821	Toyoki Okumura	125 (2017) 276-280	2013A1509	BL19B2	奥村 豊旗	Enhancement of Lithium-Ion Conductivity for $\text{Li}_{22}\text{Co}_8\text{B}_{20}\text{O}_{73}$ by Spark Plasma Sintering
			2015B1873	BL19B2	小林 弘典	
			2016A1409	BL47XU	奥村 豊旗	
35991	Keigo Nakamura	126 (2018) 292-299	2015B1596	BL19B2	藤井 孝太郎	Crystal Structure and Electrical Conductivity of $\text{BaRZnO}_5$ ( $R = \text{Sm, Gd, Dy, Ho, and Er}$ )-A New Structure Family of Oxide-Ion Conductors
			2016A1616	BL02B2	日比野 圭佑	
36106	Yuya Hattori	126 (2018) 306-310	2017B1516	BL02B2	上野 慎太郎	Synthesis of $\text{LaNiO}_3$ - $(\text{Bi}_{1/2}\text{K}_{1/2})\text{TiO}_3$ Core-Shell Nanoparticles with Epitaxial Interfaces by the Hydrothermal Method for Use in Boundary Layer Capacitors
36246	Sangwook Kim	126 (2018) 316-320	2017A1660	BL02B2	Kim Sangwook	In-situ Electric Field Induced Lattice Strain Response Observation in $\text{BiFeO}_3$ - $\text{BaTiO}_3$ Lead-Free Piezoelectric Ceramics
			2016B1537	BL02B2	和田 智志	
			2016A1401	BL02B2	和田 智志	

Journal of the Physical Society of Japan

35922	Yoshikazu Mizuguchi	87 (2018) 023704	2017B1211	BL02B2	三浦 章	Evolution of Anisotropic Displacement Parameters and Superconductivity with Chemical Pressure in $\text{BiS}_2$ -Based $\text{REO}_{0.5}\text{F}_{0.5}\text{BiS}_2$ ( $\text{RE} = \text{La, Ce, Pr, and Nd}$ )
35957	Ayana Sato-Tornita	87 (2018) 061015	2012B1546	BL20XU	関口 博史	Progression of 3D Protein Structure and Dynamics Measurements
			2012A1469	BL20XU	関口 博史	
			2012B1377	BL40XU	佐々木 裕次	
			2013A1306	BL40XU	佐々木 裕次	
			2012A1464	BL40XU	関口 博史	
			2012A1399	BL40XU	佐々木 裕次	
			2011B1910	BL40XU	八木 直人	
			2011B1368	BL40XU	養王田 正文	
			2011A1776	BL40XU	八木 直人	
			2010B1865	BL40XU	八木 直人	
			2010B1130	BL40XU	養王田 正文	
			2009B1934	BL40XU	八木 直人	
2008B1999	BL40XU	八木 直人				
2008A1857	BL40XU	佐々木 裕次				
36019	Akihisa Koizumi	87 (2018) 064703	2011A1499	BL08W	本山 岳	How the Electronic Structure in $\text{URu}_2\text{Si}_2$ Changes with Temperature: A High-Resolution Compton Scattering Study
			2012A1373	BL08W	小泉 昭久	
			2012B1422	BL08W	小泉 昭久	
36126	Yusuke Wakabayashi	87 (2018) 061010	2010B1739	BL13XU	若林 裕助	Observation of Structure of Surfaces and Interfaces by Synchrotron X-ray Diffraction: Atomic-Scale Imaging and Time-Resolved Measurements
			2011A1625	BL13XU	若林 裕助	
			2011B1726	BL13XU	若林 裕助	

Nature-1

35837	Haonan Zhang	546 (2017) 259-264	2016A2518	BL41XU	Wu Beili	Structure of the Full-Length Glucagon Class B G-protein-coupled Receptor
			2016A2517	BL41XU	Zhao Qiang	
35838	Haonan Zhang	553 (2018) 106-110	2016A2518	BL41XU	Wu Beili	Structure of the Glucagon Receptor in Complex with a Glucagon Analogue
			2016A2517	BL41XU	Zhao Qiang	
			2017A2506	BL41XU	Wu Beili	
			2017A2505	BL41XU	Zhao Qiang	
35886	Kazuhiro Abe	556 (2018) 214-218	2011B1240	BL41XU	入江 克雅	Crystal Structures of the Gastric Proton Pump
			2014A1248	BL41XU	入江 克雅	
			2014B1165	BL41XU	入江 克雅	
			2015B1042	BL41XU	入江 克雅	
			2016B2721	BL32XU	入江 克雅	
			2017B2701	BL41XU	阿部 一啓	
2016B1001	BL41XU	山本 雅貴				

**Nature-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
36355	Zhenlin Yang	556 (2018) 520-524	2015A1026	BL41XU	Wu Beili	Structural Basis of Ligand Binding Modes at the Neuropeptide Y Y <sub>1</sub> Receptor
			2015A1027	BL41XU	Zhao Qiang	
			2016A2518	BL41XU	Wu Beili	
			2016A2517	BL41XU	Zhao Qiang	

**Nature Communications**

35914	Ana Karina Hochmal	7 (2016) 11847	2015B6500	BL44XU	山下 栄樹	Calredoxin Represents a Novel Type of Calcium-Dependent Sensor-Responder Connected to Redox Regulation in the Chloroplast
35990	Atsushi Yamagata	9 (2018) 1546	2015A1107	BL41XU	深井 周也	Structural Basis of Epilepsy-Related Ligand-Receptor Complex LG11-ADAM22
			2016A2556	BL41XU	深井 周也	
			2017A2582	BL41XU	深井 周也	
36238	Sanghoon Kim	9 (2018) 1648	2015A0117	BL25SU	小野 輝男	Correlation of the Dzyaloshinskii-Moriya Interaction with Heisenberg Exchange and Orbital Asphericity
36328	Ryuhei Nagata	9 (2018) 1765	2016A2743	BL38B1	藤橋 雅宏	Identification of a Pyrophosphate-Dependent Kinase and Its Donor Selectivity Determinants
			2016B2723	BL26B1	藤橋 雅宏	

**Physical Chemistry Chemical Physics**

35822	Toyoki Okumura	18 (2016) 17827-17830	2012B1935	BL14B2	小林 弘典	X-ray Absorption Near-Edge Structures of LiMn <sub>2</sub> O <sub>4</sub> and LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> Spinel Oxides for Lithium-Ion Batteries: the First-Principles Calculation Study
			2014B1238	BL01B1	奥村 豊旗	
36006	Satoshi Abe	20 (2018) 2986-2989	2015B1044	BL32XU	上野 隆史	Structure of in Cell Protein Crystals Containing Organometallic Complexes
			2016A2551	BL32XU	上野 隆史	
36011	Shunsuke Sato	20 (2018) 11342-11346	2013A1014	BL47XU	森川 健志	Band Bending and Dipole Effect at Interface of Metal-Nanoparticles and TiO <sub>2</sub> Directly Observed by Angular-Resolved Hard X-ray Photoemission Spectroscopy
36290	Chulho Song	20 (2018) 15183-15191	2013A4908	BL15XU	北川 宏	Size Effects on Rhodium Nanoparticles Related to Hydrogen-Storage Capability
			2016A1292	BL04B2	坂田 修身	
			2016B1033	BL01B1	坂田 修身	

**Angewandte Chemie International Edition**

35852	Fenglong Wang	57 (2018) 4505-4509	2015A1319	BL02B2	北川 宏	Solid-Solution Alloy Nanoparticles of the Immiscible Iridium-Copper System with a Wide Composition Range for Enhanced Electrocatalytic Applications
			2015B1339	BL02B2	北川 宏	
35926	Noriaki Ozaki	56 (2017) 11196-11202	2016A1036	BL02B2	坂本 裕俊	Electrically Activated Conductivity and White Light Emission of a Hydrocarbon Nanoring-Iodine Assembly
			2016B1220	BL02B2	坂本 裕俊	
			2015A1490	BL02B2	坂本 裕俊	
			2016B1272	BL02B2	尾崎 仁亮	
36401	Naoki Shibata	57 (2018) 7830-7835	2009B6920	BL44XU	柴田 直樹	Direct Participation of a Peripheral Side Chain of a Corrin Ring in Coenzyme B <sub>12</sub> Catalysis
			2011B1060	BL38B1	柴田 直樹	
			2012A6721	BL44XU	柴田 直樹	
			2012B6721	BL44XU	柴田 直樹	
			2014A6925	BL44XU	柴田 直樹	
			2014B6925	BL44XU	柴田 直樹	
			2017A2538	BL26B1	柴田 直樹	
2017A2538	BL41XU	柴田 直樹				

**Journal of Alloys and Compounds**

35921	Natsuomi Takahashi	750 (2018) 409-413	2017B1211	BL02B2	三浦 章	Synthesis, Crystal Structure and Optical Absorption of NaInS <sub>2-x</sub> Se <sub>x</sub>
35951	Kouji Sakaki	750 (2018) 33-41	2014A3785	BL22XU	Kim Hyunjeong	Interstitial-Atom-Induced Phase Transformation upon Hydrogenation in Vanadium
35994	Takayuki Tashiro	750 (2018) 164-170	2015A1976	BL46XU	水口 将輝	Fabrication of L1 <sub>0</sub> -FeNi Phase by Sputtering with Rapid Thermal Annealing
			2015B1625	BL46XU	水口 将輝	
			2016A1544	BL46XU	水口 将輝	
			2016A1771	BL46XU	水口 将輝	
			2016B1596	BL46XU	水口 将輝	
			2017A1600	BL46XU	水口 将輝	
			2017A1784	BL46XU	水口 将輝	
2015B0901	BL13XU	千葉 大地				

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
35888	Hikaru Kurokawa	122 (2017) 055302	2015B4700	BL15XU	吉松 公平	Effects of Phase Fraction on Superconductivity of Low-Valence Eutectic Titanate Films
			2016A4700	BL15XU	吉松 公平	
			2016B4700	BL15XU	吉松 公平	
36123	Takashi Hanada	123 (2018) 205305	2014B1463	BL13XU	花田 貴	Characterization of the ScAlMgO <sub>4</sub> Cleaving Layer by X-ray Crystal Truncation Rod Scattering
36245	Sangwook Kim	122 (2017) 164105	2017A1660	BL02B2	Kim Sangwook	Structural and Electrical Characteristics of Potential Candidate Lead-Free BiFeO <sub>3</sub> -BaTiO <sub>3</sub> Piezoelectric Ceramics
			2016B1537	BL02B2	和田 智志	
			2016B0074	BL02B2	森吉 千佳子	
			2016A1401	BL02B2	和田 智志	

The Journal of Biochemistry

35847	Hiroyuki Uchida	163 (2018) 321-328	2014B1321	BL26B1	三上 文三	Crystal Structure of an Aldehyde Oxidase from <i>Methylobacillus</i> sp. KY4400
			2014B6948	BL44XU	三上 文三	
			2015A6539	BL44XU	三上 文三	
			2015B6539	BL44XU	三上 文三	
			2004B0851	BL38B1	三上 文三	
35919	Yukiko Sakakibara	151 (2012) 483-492	2011B6500	BL44XU	山下 栄樹	A New Structural Insight into Differential Interaction of Cyanobacterial and Plant Ferredoxins with Nitrite Reductase as Revealed by NMR and X-ray Crystallographic Studies
35936	Jinsue Song	158 (2015) 181-188	2013A6500	BL44XU	山下 栄樹	Low pH-Driven Folding of WW45-SARAH Domain Leads to Stabilization of the WW45-Mst2 Complex
			2013B6500	BL44XU	山下 栄樹	

Journal of Materials Chemistry A

35816	Shinichi Nishimura	5 (2017) 25025-25030	2014A1196	BL02B2	西村 真一	The Crystal Structure and Sodium Disorder of High-Temperature Polymorph $\beta$ -Na <sub>3</sub> PS <sub>4</sub>
36107	Atsushi Kondo	6 (2018) 5910-5918	2013B1240	BL02B2	近藤 篤	Selective Molecular-Gating Adsorption in a Novel Copper-Based Metal-Organic Framework
			2014A1317	BL02B2	近藤 篤	
			2014B1110	BL02B2	近藤 篤	
			2016A1181	BL02B2	近藤 篤	
36360	Soo Won Heo	5 (2017) 10347-10354	2016B1875	BL46XU	尾坂 格	Cumulative Gain in Organic Solar Cells by using Multiple Optical Nanopatterns

Journal of Physics: Condensed Matter

36060	Yuya Kubota	29 (2017) 055002	2014B7473	BL07LSU	松田 巖	Interface Electronic Structure at the Topological Insulator-Ferromagnetic Insulator Junction
			2015B7401	BL07LSU	松田 巖	
			2015A7401	BL07LSU	松田 巖	
			2014B7401	BL07LSU	松田 巖	
			2014A7401	BL07LSU	松田 巖	
36100	Lei Zhang	30 (2018) 074003	2016B4504	BL15XU	山浦 一成	Charge and Orbital Orders and Structural Instability in High-Pressure Quadruple Perovskite CeCuMn <sub>5</sub> O <sub>12</sub>
36390	Masanori Inui	30 (2018) 28LT02	2012A1156	BL35XU	乾 雅祝	Viscoelastic Anomaly Accompanying Anti-Crossing Behaviour in Liquid As <sub>2</sub> Se <sub>3</sub>
			2012A1155	BL28B2	乾 雅祝	
			2012A1154	BL04B2	乾 雅祝	
			2009B1286	BL35XU	乾 雅祝	
			2005B0414	BL04B2	乾 雅祝	

Physica B

35865	Satoshi Ajito	(2018) Available online 23 Mar. 2018	2015A1557	BL40B2	平井 光博	Protective Action of Trehalose and Glucose on Protein Hydration Shell Clarified by using X-ray and Neutron Scattering
			2017A1435	BL40B2	平井 光博	
35975	Momoko Oura	536 (2018) 162-164	2015B1301	BL10XU	小林 寿夫	Valence Fluctuating Compound $\alpha$ -YbAlB <sub>4</sub> Studied by <sup>174</sup> Yb Mössbauer Spectroscopy and X-ray Diffraction using Synchrotron Radiation
			2015A1458	BL09XU	小林 寿夫	
			2016A1363	BL09XU	小林 寿夫	
35978	Takayuki Tajiri	536 (2018) 111-114	2014B1117	BL02B2	田尻 恭之	Magnetic Properties of GdMnO <sub>3</sub> Nanoparticles Embedded in Mesoporous Silica

### 2015 IEEE 65th Electronic Components and Technology Conference (ECTC)

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
36280	Yuka Ito	(2015) 336-341	2014B1446	BL13XU	Mariappan Murugesan	Development of Highly-Reliable Microbump Bonding Technology using Self-Assembly of NCF-Covered KGDs and Multi-Layer 3D Stacking Challenges
36293	Makoto Motoyoshi	(2015) 1365-1370	2014B1467	BL20XU	Mariappan Murugesan	Three-dimensional Integration Technology for Sensor Application using 5- $\mu$ m-pitch Au Cone Bump Connections

### ACS Applied Energy Materials

36243	Masaru Kato	1 (2018) 2358-2364	2016B3631	BL14B1	加藤 優	Incorporation of Multinuclear Copper Active Sites into Nitrogen-Doped Graphene for Electrochemical Oxygen Reduction
			2017A3631	BL14B1	加藤 優	
36264	Kazuhiko Maeda	1 (2018) 1734-1741	2017B1265	BL02B2	藤井 孝太郎	New Precursor Route Using a Compositionally Flexible Layered Oxide and Nanosheets for Improved Nitrogen Doping and Photocatalytic Activity

### Acta Crystallographica Section D

35932	Saehae Choi	70 (2014) 1050-1060	2011A6500	BL44XU	山下 栄樹	Structural Basis for the Selective Nuclear Import of the C2H2 Zinc-Finger Protein Snail by Importin $\beta$
			2011B6500	BL44XU	山下 栄樹	
			2012A6500	BL44XU	山下 栄樹	
			2012B6500	BL44XU	山下 栄樹	
35934	Jinsue Song	71 (2015) 473-483	2012B6500	BL44XU	山下 栄樹	Structural and Functional Analysis of Hikeshi, a New Nuclear Transport Receptor of Hsp70s
			2013A6500	BL44XU	山下 栄樹	
			2013B6500	BL44XU	山下 栄樹	

### Acta Materialia

36216	Naruki Tsuji	154 (2018) 25-32	2011B1333	BL02B2	辻 成希	Temperature Dependence of the Crystal Structures and Phase Fractions of Secondary Phases in a Nd-Fe-B Sintered Magnet
			2013A1011	BL02B2	廣澤 哲	
			2013A1894	BL02B2	辻 成希	
			2013B1012	BL02B2	廣澤 哲	
			2014A1017	BL02B2	廣澤 哲	
			2014B1009	BL02B2	廣澤 哲	
			2015A1225	BL04B2	中村 哲也	
36278	Songtian Li	142 (2018) 49-57	2015B0901	BL13XU	千葉 大地	Enhancement of Current-Perpendicular-to-Plane Giant Magnetoresistive Outputs by Improving B2-order in Polycrystalline $\text{Co}_2(\text{Mn}_{0.6}\text{Fe}_{0.4})\text{Ge}$ Heusler Alloy Films with the Insertion of Amorphous $\text{CoFeBTa}$ Underlayer
			2016A1158	BL13XU	桜庭 裕弥	

### Applied Physics Letters

35861	Makoto Takayanagi	112 (2018) 133106	2013A4605	BL15XU	土屋 敬志	Unexpected Metal-Insulator Transition in Thick $\text{Ca}_{1-x}\text{Sr}_x\text{VO}_3$ Film on $\text{SrTiO}_3$ (100) Single Crystal
			2012A4600	BL15XU	寺部 一弥	
			2013B4605	BL15XU	土屋 敬志	
			2016B4605	BL15XU	土屋 敬志	
36263	Daisuke Mori	112 (2018) 131603	2016A1578	BL25SU	森 大輔	Atomic Characterization of Nano-Facet Nitridation at $\text{SiC}(1\bar{1}00)$ Surface
			2016B1652	BL25SU	森 大輔	
			2017A1631	BL25SU	森 大輔	

### Bioorganic and Medicinal Chemistry

35933	Yasuhiro Shimamoto	23 (2015) 876-890	2012B6700	BL44XU	大野 美恵	Fused-Ring Structure of Decahydroisoquinolin as a Novel Scaffold for SARS 3CL Protease Inhibitors
			2013A6700	BL44XU	大野 美恵	
			2013B6700	BL44XU	大野 美恵	
			2012A6500	BL44XU	山下 栄樹	
35937	Yasunao Hattori	23 (2015) 5626-5640	2012B6700	BL44XU	大野 美恵	Evaluation of Transition-State Mimics in a Superior BACE1 Cleavage Sequence as Peptide-Mimetic BACE1 Inhibitors
			2013A6700	BL44XU	大野 美恵	
			2013B6700	BL44XU	大野 美恵	

### Chemical Science-1

36327	Masahiro Fujihashi	9 (2018) 3754-3758	2016A2743	BL38B1	藤橋 雅宏	Crystal Structure and Functional Analysis of Large-Terpene Synthases Belonging to a Newly Found Subclass
			2016B2723	BL26B1	藤橋 雅宏	



### Chemical Science-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
35974	Panpan Su	9 (2018) 3941-3947	2017B1171	BL01B1	神谷 和秀	Covalent Triazine Framework Modified with Coordinatively-Unsaturated Co or Ni Atoms for CO <sub>2</sub> Electrochemical Reduction
			2016B1098	BL01B1	神谷 和秀	
			2017A1790	BL14B2	岩瀬 和至	
			2016B1696	BL01B1	岩瀬 和至	
			2016A1464	BL01B1	神谷 和秀	
2016A1120	BL01B1	神谷 和秀				

### Chemistry - A European Journal

36045	Minoru Waki	24 (2018) 3846-3853	2015A1717	BL14B2	前川 佳史	Re(bpy)(CO) <sub>3</sub> Cl Immobilized on Bipyridine-Periodic Mesoporous Organosilica for Photocatalytic CO <sub>2</sub> Reduction
			2015B1636	BL14B2	前川 佳史	
			2016B1617	BL14B2	脇 稔	
36387	Hong Li	24 (2018) 8875-8882	2017B1309	BL02B2	Sun Hong-Tao	Transformation of Perovskite BaBiO <sub>3</sub> into Layered BaBiO <sub>2.5</sub> Crystals Featuring Unusual Chemical Bonding and Luminescence

### Chemistry Letters

35839	Kazuki Maeda	47 (2018) 532-535	2016A1549	BL14B2	倉橋 拓也	Ligand-Controlled Behavior of Ag(I)-π Complex as $\sigma$ -Lewis Acid
			2015B1770	BL14B2	黒田 大樹	
			2016A1680	BL14B2	前田 和輝	
			2016B1766	BL14B2	高橋 俊文	
			2017A1700	BL14B2	前田 和輝	
35950	Lisa Ito	47 (2018) 566-569	2017B1748	BL14B2	富藤 玲	Influence of Acidification on Carbonate Sediments of Majuro Atoll, Marshall Islands
			2015A0118	BL01B1	高橋 嘉夫	
			2015A0118	BL27SU	高橋 嘉夫	
			2015A0118	BL37XU	高橋 嘉夫	

### CrystEngComm

35964	Fumiko Kimura	20 (2018) 861-872	2014A1640	BL38B1	津久井 秀	Magnetically Textured Powders—an Alternative to Single-Crystal and Powder X-ray Diffraction Methods
			2014B1735	BL38B1	津久井 秀	
			2015A1651	BL38B1	木村 恒久	
			2014B1992	BL26B2	木村 恒久	
			2017B4001	BL12B2	木村 恒久	
36074	Yanfang Lou	20 (2018) 2861-2867	2017B4140	BL12B2	木村 恒久	Synchrotron X-ray Diffraction Characterization of the Inheritance of GaN Homoepitaxial Thin Films Grown on Selective Growth Substrates
			2016B4502	BL15XU	坂田 修身	
			2017A4504	BL15XU	Lou Yanfang	
			2016B1027	BL28B2	坂田 修身	
			2016B1028	BL20B2	坂田 修身	
			2016B1031	BL13XU	坂田 修身	
			2017A1030	BL20B2	坂田 修身	
2017A1033	BL13XU	坂田 修身				
2017B1029	BL20B2	坂田 修身				

### Environmental Pollution

36050	Haibo Qin	225 (2017) 361-369	2014A1416	BL37XU	高橋 嘉夫	Selenium Speciation in Seleniferous Agricultural Soils under Different Cropping Systems using Sequential Extraction and X-ray Absorption Spectroscopy
36239	Yohey Hashimoto	238 (2018) 617-623	2016B1181	BL01B1	橋本 洋平	Redox Changes in Speciation and Solubility of Arsenic in Paddy Soils as Affected by Sulfur Concentrations

### Gels

36069	Norio Murase	4 (2018) 44	2015A1852	BL46XU	村勢 則郎	Frozen State of Sephadex® Gels of Different Crosslink Density Analyzed by X-ray Computed Tomography and X-ray Diffraction
			2015B1924	BL46XU	村勢 則郎	
			2016A1784	BL46XU	村勢 則郎	
			2015B1782	BL19B2	入江 謙太郎	
			2016A1811	BL19B2	入江 謙太郎	
36396	Kyoko Yamamoto	4 (2018) 57	2015B1489	BL40B2	平井 光博	Gelation and Structural Formation of Amylose by In Situ Neutralization as Observed by Small-Angle X-ray Scattering
			2011A1159	BL40B2	湯口 宣明	
			2011B1277	BL40B2	湯口 宣明	
			2012A1236	BL40B2	湯口 宣明	
2017B1249	BL40B2	湯口 宣明				

Journal of Archaeological Science: Reports

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
35842	Yoshinari Abe	17 (2018) 212-219	2013A1864	BL08W	八木 直人	Ancient Glassware Travelled the Silk Road: Nondestructive X-ray Fluorescence Analysis of Tiny Glass Fragments Believed to be Sampled from Glassware Excavated from Niizawa Senzuka Tumulus No. 126, Japan
			2013B1865	BL08W	八木 直人	
			2014B1493	BL08W	中井 泉	
			2015A1898	BL08W	中井 泉	
36151	Yoshinari Abe	20 (2018) 362-368	2016A1708	BL08W	阿部 善也	Ancient Glassware Travelled the Silk Road: Nondestructive X-ray Fluorescence Analysis of a Fragment of a Facet-Cut Glass Vessel Collected at Kamigamo Shrine in Kyoto, Japan
			2014B1493	BL08W	中井 泉	
			2016B1810	BL08W	阿部 善也	
			2017A1727	BL08W	阿部 善也	
			2017B1766	BL08W	阿部 善也	

Journal of Molecular Biology

35915	Yosuke Nishikawa	428 (2016) 1886-1896	2015B6500	BL44XU	山下 栄樹	Structural Change in the Dynein Stalk Region Associated with Two Different Affinities for the Microtubule
35917	Yosuke Nishikawa	426 (2014) 3232-3245	2014A6500	BL44XU	山下 栄樹	Structure of the Entire Stalk Region of the Dynein Motor Domain

The Journal of Physical Chemistry C

35910	Ryota Hayashi	122 (2018) 7795-7800	2015A4911	BL15XU	中村 将志	Potential Dependence of the Buckling Structure of the Interfacial Water Bilayer on a Graphene Electrode
			2015B4903	BL15XU	中村 将志	
36000	Kenichi Ozawa	122 (2018) 9562-9569	2012A7426	BL07LSU	小澤 健一	Correlation between Photocatalytic Activity and Carrier Lifetime: Acetic Acid on Single-Crystal Surfaces of Anatase and Rutile TiO <sub>2</sub>
			2012B7433	BL07LSU	小澤 健一	
			2013A7444	BL07LSU	小澤 健一	
			2014A7463	BL07LSU	小澤 健一	
			2015A7487	BL07LSU	小澤 健一	

Journal of Solid State Chemistry

35930	Hiroaki Konishi	262 (2018) 294-300	2014A3622	BL14B1	平野 辰巳	Electrochemical Reaction Mechanisms under Various Charge-Discharge Operating Conditions for Li <sub>1.2</sub> Ni <sub>0.13</sub> Mn <sub>0.54</sub> Co <sub>0.13</sub> O <sub>2</sub> in a Lithium-Ion Battery
36398	Yui Ishii	265 (2018) 314-318	2016B1366	BL02B2	河口 彰吾	Incommensurate Phase of the Stuffed Tridymite Derivative BaSrFe <sub>4</sub> O <sub>8</sub>
			2017A1277	BL02B2	河口 彰吾	

Journal of the American Chemical Society

35820	Tsunetomo Yamada	140 (2018) 3838-3841	2017B4907	BL15XU	亀岡 聡	Probing Single Pt Atoms in Complex Intermetallic Al <sub>13</sub> Fe <sub>4</sub>
			2016B4907	BL15XU	亀岡 聡	
36262	Ryo Takahata	140 (2018) 6640-6647	2013B1659	BL01B1	高畑 遼	Gold Ultrathin Nanorods with Controlled Aspect Ratios and Surface Modifications: Formation Mechanism and Localized Surface Plasmon Resonance
			2012B1527	BL28B2	山添 誠司	
			2013A1411	BL04B2	山添 誠司	
			2016B0908	BL01B1	若林 裕助	

Journal of the Electrochemical Society

36039	Taisei Kobayashi	165 (2018) F342-F349	2017B1288	BL01B1	青木 芳尚	Analysis of the Anode Reaction of Solid Oxide Electrolyzer Cells with BaZr <sub>0.4</sub> Ce <sub>0.4</sub> Y <sub>0.2</sub> O <sub>3-δ</sub> Electrolytes and Sm <sub>0.5</sub> Sr <sub>0.5</sub> CoO <sub>3-δ</sub> Anodes
36108	WenWen Zhao	165 (2018) A1357-A1362	2017B1218	BL02B2	藪内 直明	Li <sub>43</sub> Ni <sub>13</sub> Mo <sub>13</sub> O <sub>2</sub> - LiNi <sub>12</sub> Mn <sub>12</sub> O <sub>2</sub> Binary System as High Capacity Positive Electrode Materials for Rechargeable Lithium Batteries

Molecular Cell

35935	Hidekazu Tsutsui	58 (2015) 186-193	2011B6500	BL44XU	山下 栄樹	A Diffraction-Quality Protein Crystal Processed as an Autophagic Cargo
36051	Mari Yamada	65 (2017) 1109-1121	2015A0119	BL41XU	濡木 理	Crystal Structure of the Minimal Cas9 from <i>Campylobacter jejuni</i> Reveals the Molecular Diversity in the CRISPR-Cas9 Systems
			理研	BL32XU		

放射光 (Journal of the Japanese Society for Synchrotron Radiation Research)

35956	Yusuke Tamenori	31 (2018) 93-101	2010A1104	BL27SU	為則 雄祐	Expanding the Frontier of Soft X-ray Science by Diversified Sample Environment
			2010B1198	BL27SU	為則 雄祐	
			2011A1780	BL27SU	為則 雄祐	
36164	Hiroyuki Ohsumi	29 (2016) 143-149	2009A1607	BL39XU	大隅 寛幸	Multiscale Structural Study using Scanning X-ray Microscope
			2009B1586	BL39XU	大隅 寛幸	
			理研	BL19LXU		

### 2014 IEEE International Electron Devices Meeting

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
36281	K. W. Lee	(2015) 28.6.1-28.6.4	2014B1467	BL20XU	Mariappan Murugesan	Highly Dependable 3-D Stacked Multicore Processor System Module Fabricated using Reconfigured Multichip-on-Wafer 3-D Integration Technology

### 2014 International 3D Systems Integration Conference (3DIC)

36296	Murugesan Mariappan	(2014) 1-4	2013B1763	BL13XU	Mariappan Murugesan	Micro-XRD Investigation of Fine-Pitch Cu-TSV Induced Thermo-Mechanical Stress in High-Density 3D-LSI
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### 2016 27th Annual SEMI Advanced Semiconductor Manufacturing Conference (ASME)

36294	Murugesan Mariappan	(2016) 466-471	2014B1446	BL13XU	Mariappan Murugesan	Non-Conductive Film Underfill for 3D Integration of 20 μm-Thick LSI Wafers with Fine Cu-TSVs
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### ACS Applied Materials and Interfaces

36221	Ya-Meng Chen	10 (2018) 15905-15912	2016B1205	BL02B2	Sun Hong-Tao	Cs <sub>4</sub> PbBr <sub>8</sub> /CsPbBr <sub>3</sub> Perovskite Composites with Near-Unity Luminescence Quantum Yield: Large-Scale Synthesis, Luminescence and Formation Mechanism, and White Light-Emitting Diode Application
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### ACS Catalysis

36046	Satoshi Ishikawa	8 (2018) 4160-4169	2017A1822	BL14B2	前川 佳史	Immobilization of a Molybdenum Complex on Bipyridine-Based Periodic Mesoporous Organosilica and Its Catalytic Activity for Epoxidation of Olefins
			2017B1633	BL14B2	前川 佳史	

### ACS Chemical Biology

36326	Ryuhei Nagata	12 (2017) 1514-1523	2016A2743	BL38B1	藤橋 雅宏	Structural Study on the Reaction Mechanism of a Free Serine Kinase Involved in Cysteine Biosynthesis
			2016B2723	BL26B1	藤橋 雅宏	

### ACS Combinatorial Science

35818	Mohammed Naimuddin	18 (2016) 117-129	2014B1344	BL40XU	久保 泰	A High Performance Platform Based on cDNA Display for Efficient Synthesis of Protein Fusions and Accelerated Directed Evolution
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### Advanced Biosystems

36056	Marieh B. Al-Handawi	2 (2018) 1700176	2017A4912	BL15XU	Commins Patrick	Encapsulation of Plant Viral Particles in Calcite Crystals
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### Advanced Functional Materials

36240	Suguru Yoshida	28 (2018) 1801856	2016A1308	BL02B2	藤田 晃司	Ferroelectric Sr <sub>3</sub> Zr <sub>2</sub> O <sub>7</sub> : Competition between Hybrid Improper Ferroelectric and Antiferroelectric Mechanisms
			2016B1269	BL02B2	藤田 晃司	
			2017A1357	BL02B2	藤田 晃司	

### Advanced Materials

36275	Xiaobo Shang	29 (2017) 1605828	2015B1241	BL02B2	吉成 信人	Supramolecular Nanostructures of Chiral Perylene Diimides with Amplified Chirality for High-Performance Chiroptical Sensing
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### Advanced Materials Interfaces

35958	Yasuo Nakayama	5 (2018) 1800084	2015A1685	BL46XU	中山 泰生	Temperature Dependent Epitaxial Growth of C <sub>60</sub> Overlayers on Single Crystal Pentacene
			2015B1624	BL46XU	中山 泰生	

### Advances in Bioscience and Biotechnology

36222	Kengo Kitadokoro	09 (2018) 84925	2016B6615	BL44XU	北所 健悟	Expression, Purification and Crystallization of Thermostable Mutant of Cutinase Est1 from <i>Thermobifida alba</i>
			2016A6615	BL44XU	北所 健悟	
			2015A6516	BL44XU	北所 健悟	
			2015B6516	BL44XU	北所 健悟	
			2017A6716	BL44XU	北所 健悟	

### AIP Advances

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
36241	Osamu Takahashi	8 (2018) 025107	2013A1466	BL04B2	土山 明	XANES Spectra of Forsterite in Crystal, Surface, and Amorphous States
			2014B2055	BL27SU	為則 雄祐	
			2015A2039	BL27SU	為則 雄祐	
			2015B1984	BL27SU	為則 雄祐	
			2016B1133	BL27SU	為則 雄祐	
2017B1140	BL27SU	為則 雄祐				

### AIP Conference Proceedings

36152	Masahiko Tanaka	1741 (2016) 050019	2013A4500	BL15XU	田中 雅彦	Rietveld Analysis using Powder Diffraction Data with Anomalous Scattering Effect Obtained by Focused Beam Flat Sample Method
			2012B4504	BL15XU	田中 雅彦	

### Biochemistry

35916	Risa Mutoh	54 (2015) 6052-6061	2015A6500	BL44XU	山下 栄樹	X-ray Structure and Nuclear Magnetic Resonance Analysis of the Interaction Sites of the Ga-Substituted Cyanobacterial Ferredoxin
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### Biochimica et Biophysica Acta

35848	Masayuki Oda	1866 (2018) 415-425	2004A0715	BL41XU	三上 文三	Structural and Thermodynamic Characterization of Endo-1,3-β-glucanase: Insights into the Substrate Recognition Mechanism
			2004B0285	BL38B1	三上 文三	

### Biophysical Reviews

35912	Akiyuki Toda	10 (2018) 677-686	2017A6500	BL44XU	山下 栄樹	Structural Atlas of Dynein Motors at Atomic Resolution
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### Biophysics and Physicobiology

35986	Hiroyuki Iwamoto	15 (2018) 111-120	2004A0583	BL45XU	岩本 裕之	Effects of Myosin Inhibitors on the X-ray Diffraction Patterns of Relaxed and Calcium-Activated Rabbit Skeletal Muscle Fibers
			2005B0267	BL45XU	岩本 裕之	
			2006A1427	BL45XU	岩本 裕之	
			2013A1431	BL45XU	岩本 裕之	
			2013B1333	BL45XU	岩本 裕之	
			2017A1214	BL45XU	岩本 裕之	
			2017B1212	BL45XU	岩本 裕之	

### Carbohydrate Polymers

35873	Paavo Penttila	190 (2018) 95-102	2015B1096	BL40B2	Penttila Paavo	Enzymatic Hydrolysis of Biomimetic Bacterial Cellulose-Hemicellulose Composites
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### Catalysis Letters

36125	Nozomu Ishiguro	148 (2018) 1597-1609	2005A0451	BL01B1	唯 美津木	Structural Kinetics of Cathode Events on Polymer Electrolyte Fuel Cell Catalysis Studied by <i>Operando</i> Time-Resolved XAFS
			2010B1014	BL01B1	岩澤 康裕	
			2010B1017	BL40XU	岩澤 康裕	
			2011A1031	BL01B1	岩澤 康裕	
			2011A1033	BL40XU	岩澤 康裕	
			2011B1015	BL01B1	横山 利彦	
			2011B1017	BL40XU	横山 利彦	
			2012A1013	BL40XU	横山 利彦	
			2012A1014	BL01B1	横山 利彦	
			2013A7820	BL36XU	唯 美津木	
			2013B7820	BL36XU	唯 美津木	
			2013B7821	BL36XU	唯 美津木	
			2014A7820	BL36XU	唯 美津木	
			2014B7820	BL36XU	唯 美津木	
			2015A7820	BL36XU	唯 美津木	
2015B7820	BL36XU	唯 美津木				

### Catalysis Science & Technology

35889	Yasutaka Kuwahara	8 (2018) 1905-1914	2017B1081	BL01B1	桑原 泰隆	Catalytic Combustion of Diesel Soot over Fe and Ag-doped Manganese Oxides: Role of Heteroatoms in the Catalytic Performances
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### Catalysts

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
36038	Yuki Wakisaka	8 (2018) 204	2016B7902	BL36XU	朝倉 清高	A Demonstration of Pt L <sub>3</sub> -Edge EXAFS Free from Au L <sub>3</sub> -Edge Using Log-Spiral Bent Crystal Laue Analyzers
			2016A7902	BL36XU	朝倉 清高	

### Cell Reports

36104	Hiroaki Fujita	23 (2018) 1192-1204	2015A1072	BL41XU	大木 出	Cooperative Domain Formation by Homologous Motifs in HOIL-1L and SHARPIN Plays A Crucial Role in LUBAC Stabilization
			2017A6707	BL44XU	大木 出	
			2017B6707	BL44XU	大木 出	

### Ceramics International

35876	Shao-Chieh Weng	43 (2017) 4873-4879	2014B4141	BL12B2	Chang Chia-Chin	Synthesis of MnOx/Reduced Graphene Oxide Nanocomposite as an Anode Electrode for Lithium-Ion Batteries
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### Chemistry - An Asian Journal

35969	Akiya Oda	13 (2018) 964-967	2015B1030	BL38B1	長尾 聡	Construction of a Triangle-Shaped Trimer and a Tetrahedron Using an $\alpha$ -Helix-Inserted Circular Permutant of Cytochrome C <sub>555</sub>
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### Chemosphere

35853	Lisa Ito	202 (2018) 65-75	2015A1809	BL27SU	坂田 昂平	Origin and Migration of Trace Elements in the Surface Sediments of Majuro Atoll, Marshall Islands
			2016A1642	BL27SU	坂田 昂平	
			2015A0118	BL01B1	高橋 嘉夫	

### ChemPhysChem

35953	Daisuke Asakura	19 (2018) 988-992	2015B1503	BL27SU	朝倉 大輔	Large Charge-Transfer Energy in LiFePO <sub>4</sub> Revealed by Full-Multiplet Calculation for the Fe L <sub>3</sub> -edge Soft X-ray Emission Spectra
			2015A1365	BL27SU	朝倉 大輔	
			2014B1353	BL27SU	朝倉 大輔	

### Comptes Rendus Geoscience

36331	Yusaku Takubo	(2018) Available online 18 May 2018	2016A3787	BL22XU	寺崎 英紀	Development of Density Measurement for Metals at High Pressures and High Temperatures using X-ray Absorption Imaging Combined with Externally Heated Diamond Anvil Cell
			2017B3782	BL22XU	寺崎 英紀	

### Crystals

36072	Shigesaburo Ogawa	7 (2017) 356	2015B7254	BL03XU	高橋 功	Structural Characterization of Perpendicularly Aligned Submicrometer-Thick Synthetic Glycolipid Polycrystalline Films Using Conventional X-ray Diffraction
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### Dalton Transactions

36399	Misaki Shiga	47 (2018) 7656-7662	2017A1856	BL02B2	河口 彰吾	Chemo-Chromism in an Orthogonal Dabco-Based Co(II) Network Assembled by Methanol-Coordination and Hydrogen Bond Formation
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### e-Journal of Surface Science and Nanotechnology

35890	Hiromasa Fujii	16 (2018) 76-78	2015A1167	BL13XU	若林 裕助	Structural Switching of Self-Assembled Monolayer by External Electric Field
			2014B1091	BL13XU	若林 裕助	

### ECS Transactions

36166	Asami Omachi	75 (2017) 67-72	2016A4505	BL15XU	近藤 敏啓	Structural Study of Electrochemically Lithiated Si
			2016B4503	BL15XU	野口 秀典	

### Electrochimica Acta

36211	Hiroshi Uemachi	281 (2018) 99-108	2012A1653	BL27SU	上町 裕史	X-ray Absorption Near Edge Structure Analysis of the Charge-Discharge Mechanisms of Dithiobiuret Polymer Used as a High-Capacity Cathode Material for Lithium-Ion Batteries
			2012B1811	BL27SU	上町 裕史	

**eLife**

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
35940	Saori Maki-Yonekura	7 (2018) e35419	2016A2530	BL41XU	米倉 功治	Hexameric and Pentameric Complexes of the ExbBD Energizer in the Ton System
			2012B1061	BL41XU	米倉 功治	
			2013B1085	BL32XU	米倉 功治	
			2014B1045	BL32XU	米倉 功治	
			2015A1021	BL32XU	米倉 功治	
			2016A2530	BL32XU	米倉 功治	
			2015A1021	BL41XU	米倉 功治	

**Endocrinology**

35985	James T. Pearson	159 (2018) 1763-1773	2015A1136	BL28B2	Schwenke Daryl	Ghrelin Preserves Ischemia-Induced Vasodilation of Male Rat Coronary Vessels Following $\beta$ -Adrenergic Receptor Blockade
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**Environmental Science & Technology**

35871	Paul Clarence M. Francisco	52 (2018) 4817-4826	2016A3504	BL11XU	塩飽 秀啓	Mechanisms of Se(IV) Co-precipitation with Ferrihydrite at Acidic and Alkaline Conditions and Its Behavior during Aging
			2015B3504	BL11XU	塩飽 秀啓	

**EPJ Web of Conferences**

36393	Yukio Kajihara	151 (2017) 06003	2015B1178	BL35XU	乾 雅祝	Inelastic X-ray Scattering Measurements of Liquid Water/glycerol Mixtures
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**FEBS Letters**

36330	Yuika Kunishige	592 (2018) 1378-1388	2014B1763	BL38B1	掃部 正浩	Crystal Structure of Exo-Phannogalacturonan Lyase from <i>Penicillium chrysogenum</i> as a Member of Polysaccharide Lyase Family 26
			2014B1085	BL38B1	西村 重徳	
			2015A1099	BL38B1	西村 重徳	
			2015B1099	BL40B2	小幡 誉子	
			2016A2516	BL26B2	阪本 龍司	
			2016A2516	BL38B1	阪本 龍司	
			2016A2561	BL38B1	炭谷 順一	
			2016A2699	BL38B1	大谷 拓也	
			2017A2504	BL38B1	炭谷 順一	
2017A2696	BL38B1	近藤 辰哉				

**Frontiers in Physiology**

36277	Rajesh Katare	9 (2018) 696	2015B1388	BL28B2	Katara Rajesh	Progressive Decrease in Coronary Vascular Function Associated With Type 2 Diabetic Heart Disease
			2015B1366	BL28B2	Schwenke Daryl	

**High Pressure Research**

35970	Haruka Ozawa	38 (2018) 120-135	2016A1228	BL10XU	小澤 春香	Boron-Doped Diamond as a New Heating Element for Internal-Resistive Heated Diamond-Anvil Cell
			2016A1411	BL10XU	館野 繁彦	

**IEEE Transactions on Magnetics**

36357	Yoshiyuki Nakagawa	(2018) online publication 12 June 2018	2010B1982	BL39XU	加藤 龍太郎	Large Improvement in Magnetic Properties of Hot-Deformed HREE-Free Nd-Fe-B Magnets Using the Rapid Heating Technique of the Powder
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**International Journal of Fatigue**

36008	Rong Jiang	114 (2018) 22-33	2016A1278	BL20XU	Sinclair Ian	Strain Accumulation and Fatigue Crack Initiation at Pores and Carbides in a SX Superalloy at Room Temperature
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**International Journal of Molecular Sciences**

35891	Norifumi Muraki	17 (2016) 829	2015A6548	BL44XU	村木 則文	Structural Characterization of Heme Environmental Mutants of CgHmuT that Shuttles Heme Molecules to Heme Transporters
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**International Journal of Pharmaceutics**

36349	Masataka Ito	547 (2018) 258-264	2016B1421	BL02B1	伊藤 雅隆	Phase Transitions of Antibiotic Clarithromycin Forms I, IV and New Form VII Crystals
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### Journal of Analytical Atomic Spectrometry

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
35845	Takashi Yamamoto	33 (2018) 585-592	2013A1732	BL01B1	山本 孝	Discrepancy in the Quantitative Oxidation-State Analysis of Eu Species in Sulfide Phosphors by K-, L1- and L3-edge XANES Spectrometry: Choice of Absorption Edge and Measurement Mode

### Journal of Biological Chemistry

36269	Naomine Yano	291 (2016) 23882-23894	2006B6500	BL44XU	山下 栄樹	The Mg <sup>2+</sup> -containing Water Cluster of Mammalian Cytochrome c Oxidase Collects Four Pumping Proton Equivalents in Each Catalytic Cycle
			2008A6500	BL44XU	山下 栄樹	
			2008B6500	BL44XU	山下 栄樹	
			2009A6500	BL44XU	山下 栄樹	
			2009B6500	BL44XU	山下 栄樹	
			2010A6500	BL44XU	山下 栄樹	
			2008B1001	BL41XU	山本 雅貴	
			2008B1015	BL41XU	山本 雅貴	
			2009A1013	BL41XU	山本 雅貴	
			2009B1001	BL41XU	山本 雅貴	
2009B1031	BL41XU	山本 雅貴				

### Journal of Catalysis

35824	Masaaki Iwasaki	359 (2018) 55-67	2011B7001	BL33XU	長井 康貴	Experimental Assessment of the Bifunctional NH <sub>3</sub> -SCR Pathway and the Structural and Acid-Base Properties of WO <sub>3</sub> Dispersed on CeO <sub>2</sub> Catalysts
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### The Journal of Chemical Physics

36003	Yohei Nakanishi	148 (2018) 124902	2014B1469	BL40B2	石毛 亮平	USAXS Analysis of Concentration-Dependent Self-Assembling of Polymer-Brush-Modified Nanoparticles in Ionic Liquid: [I] Concentrated-Brush Regime
			2014B1648	BL19B2	石毛 亮平	
			2015A1718	BL19B2	石毛 亮平	
			2017A1845	BL03XU	小川 紘樹	
			2017A7213	BL03XU	宮崎 司	

### Journal of Cosmetic Science

36345	Maki Fukuda	69 (2018) 121-130	2012B1388	BL40XU	丸橋 佑基	Structural Analysis of Macrofibrils in a Human Permanent Waved Hair by Scanning Microbeam Small-Angle X-ray Scattering Measurements
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### Journal of Crystal Growth

35967	Hidekazu Tsuchida	402 (2014) 260-266	2015B3321	BL08B2	鎌田 功穂	Deflection of Threading Dislocations in Patterned 4H-SiC Epitaxial Growth
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### Journal of Fertilization

36015	Upekha Basnayaka	4 (2016) 1000169	2012B1353	BL20B2	星野 真人	Synchrotron Imaging of Ovaries <i>Ex Vivo</i>
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### Journal of Fluorine Chemistry

35947	Tetsuhiro Katsumata	209 (2018) 65-72	2014B1077	BL02B2	勝又 哲裕	Phase Transitions and Dielectric Properties of Perovskite-type Oxyfluorides (1-x)KNbO <sub>3</sub> -xKMgF <sub>3</sub>
			2016B3636	BL14B1	勝又 哲裕	

### Journal of Instrumentation

36291	Takayoshi Katsuragawa	12 (2017) T04002	2013A1391	BL37XU	中 竜大	New Readout System for Submicron Tracks with Nuclear Emulsion
			2013B1461	BL37XU	中 竜大	
			2014A1352	BL37XU	中 竜大	
			2014B1415	BL37XU	中 竜大	

### Journal of Molecular Liquids

36002	Tatsuya Tsurumura	261 (2018) 468-472	2016A1684	BL19B2	鶴村 達也	Local Structures of Titanium-Ion Complexes in Redox Flow Battery Electrolytes as Revealed by X-ray Scattering with Difference Analysis
			2016B1897	BL19B2	鶴村 達也	
			2017A1704	BL19B2	鶴村 達也	
			2017A1786	BL19B2	鶴村 達也	

### Journal of Physics D: 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
35867	Akihiro Kirihiro	51 (2018) 154002	2015A1670	BL14B2	桐原 明宏	Annealing-Temperature-Dependent Voltage-Sign Reversal in All-Oxide Spin Seebeck Devices using RuO <sub>2</sub>

### Journal of Polymer Science Part A: Polymer Chemistry

36047	Kazuya Matsui	55 (2017) 3090-3096	2016A7208	BL03XU	濱松 浩	A Study of ADMET Polyethylene with 21-carbon Branches on Every 15th Compared to Every 19th Carbon: What a Difference Four Extra Backbone Methylenes Make
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### Journal of Power Sources

36022	Hamdi Ben Yahia	244 (2013) 87-93	2011A1795	BL19B2	辰巳 国昭	New Fluorophosphate Li <sub>2-x</sub> Na <sub>x</sub> Fe[PO <sub>4</sub> ]F as Cathode Material for Lithium Ion Battery
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### Journal of Research Updates in Polymer Science

36010	Takuya Tanaka	7 (2018) 1-6	2015A1560	BL40B2	大越 研人	Effect of Side Chain Length on Segregation of Squalane between Smectic Layers Formed by Rod-Like Polysilanes
			2015B1233	BL40B2	大越 研人	
			2017B1220	BL40B2	大越 研人	

### Journal of the American Ceramic Society

36043	Sungchul Bae	101 (2018) 408-418	2017A3782	BL22XU	裴 晟哲	Pair Distribution Function Analysis of Nanostructural Deformation of Calcium Silicate Hydrate under Compressive Stress
			2015B3784	BL22XU	裴 晟哲	

### Journal of the American Oil Chemists' Society

35909	Shimpei Watanabe	95 (2018) 447-460	2015B1926	BL19B2	吉川 真一	Polymorphism and Mixing Phase Behavior in Ternary Mixture Systems of SOS-SSO-OSO: Formation of Molecular Compound Crystals
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### Journal of Synchrotron Radiation

36404	Yuki Takayama	25 (2018) 1229-1237	2016A3200	BL24XU	籠島 靖	Atmospheric Coherent X-ray Diffraction Imaging for <i>in situ</i> Structural Analysis at SPring-8 Hyogo Beamline BL24XU
			2016B3201	BL24XU	高山 裕貴	

### KEK Proceedings

36030	Shigenori Ueda	5 (2017) 490-511	2008A4906	BL15XU	Fadley Charles	Hard X-ray Photoelectron Spectroscopy: ARPES, MCD, XSW
			2008B4800	BL15XU	小林 啓介	
			2009A4906	BL15XU	Fadley Charles	
			2016B4606	BL15XU	上田 茂典	

### Lunar and Planetary Science XLVI

35996	Toru Yada	(2015) 1850	2015A1643	BL47XU	矢田 達	Three Dimensional Structures and Detail Morphologies of Aggregate-Type Itokawa Particles Analyzed by Dual-Energy Synchrotron Radiation Computed Tomography and Field Emission Secondary Electron Microscope
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### MATEC Web of Conferences

36397	Yoshikazu Nakai	165 (2018) 11002	2017A1581	BL46XU	牧野 泰三	Observation of Flaking Process in Rolling Contact Fatigue by Laminography Using Ultra-Bright Synchrotron Radiation
			2017B1610	BL46XU	牧野 泰三	
			2017B1908	BL46XU	牧野 泰三	

### Materials Research Bulletin

36102	Bogdan I. Lazoryak	104 (2018) 20-26	2015A4502	BL15XU	Belik Alexei	Luminescence, Structure and Antiferroelectric-Type Phase Transition in Ca <sub>8</sub> ZnEu(PO <sub>4</sub> ) <sub>7</sub>
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### Materials Research Proceedings

35959	Mutsumi Sano	4 (2018) 37-42	2016A1335	BL02B1	佐野 睦	Dislocation Density of Oxygen Free Copper with Compressive Strain Applied at High Temperature
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### Materials Science Forum

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
36371	Hideyuki Yasuda	925 (2018) 104-109	2016B1409	BL20B2	安田 秀幸	X-Ray Imaging of Formation and Growth of Spheroidal Graphite in Ductile Cast Iron
			2017B1466	BL20B2	杉山 明	
			2015A1524	BL20B2	杉山 明	
			2015B1465	BL20B2	杉山 明	

### Microporous and Mesoporous Materials

36105	Kazu Okumura	268 (2018) 285-292	2017A1106	BL01B1	奥村 和	Direct Inclusion of Phosphine Derivatives in the Pores of Zeolite $\beta$
			2017B1158	BL01B1	奥村 和	

### Minerals

36273	Billy C. Nzogang	8 (2018) 153	2010A0082	BL04B1	入船 徹男	Application of Scanning Precession Electron Diffraction in the Transmission Electron Microscope to the Characterization of Deformation in Wadsleyite and Ringwoodite
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### MRS Advances

36329	Litian Chew	(2018) Published online 08 June 2018	2014A1244	BL01B1	Simpson Robert	Electric Field Effects in Chalcogenides
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### Nano Energy

36049	Yuan Huang	41 (2017) 426-433	2016A1039	BL27SU	Chen Yongsheng	Revisiting the Origin of Cycling Enhanced Capacity of $\text{Fe}_3\text{O}_4$ Based Nanostructured Electrode for Lithium Ion Batteries
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### Nature Chemical Biology

35976	Toru Sengoku	14 (2018) 368-374	2017A2587	BL41XU	横山 茂之	Structural Basis of Protein Arginine Rhamnosylation by Glycosyltransferase EarP
			理研	BL32XU		
			理研	BL26B2		

### Nature Plants

35911	Hisako Kubota-Kawai	4 (2018) 218-224	2012A6500	BL44XU	山下 栄樹	X-ray Structure of an Asymmetrical Trimeric Ferredoxin-Photosystem I Complex
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### Nature Structural & Molecular Biology

36356	Can Cao	25 (2018) 488-495	2014B1057	BL41XU	Zhao Qiang	Structural Basis for Signal Recognition and Transduction by Platelet-Activating-Factor Receptor
			2015A1026	BL41XU	Wu Beili	
			2015A1027	BL41XU	Zhao Qiang	

### New Journal of Chemistry

36350	Shuhei Ogata	41 (2017) 6385-6394	2017A1648	BL02B2	尾形 周平	Water-Soluble Lanthanide Complexes with a Helical Ligand Modified for Strong Luminescence in a Wide pH Region
			2016B1342	BL02B2	石井 あゆみ	
			2016B1706	BL02B2	尾形 周平	
			2016A1336	BL02B2	長谷川 美貴	
			2016A1333	BL02B2	石井 あゆみ	
			2014B1316	BL02B2	長谷川 美貴	
			2013B1776	BL02B2	長谷川 美貴	
			2013B1679	BL02B2	土屋垣内 絢子	
2013A1020	BL02B2	長谷川 美貴				

### NPG Asia Materials

36001	Ken-ichi Sakai	8 (2016) e252	2015A1375	BL02B1	竹谷 純一	The Emergence of Charge Coherence in Soft Molecular Organic Semiconductors via the Suppression of Thermal Fluctuations
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### Physical Review A

35920	Long Quan Xu	97 (2018) 032503	2016B4253	BL12XU	Zhu LinFan	Comparative Study of Inelastic Squared Form Factors of the Vibronic States of $B^1\Sigma_u^+$ , $C^1\Pi_u$ , and $E^1\Sigma_g^+$ for Molecular Hydrogen: Inelastic X-ray and Electron Scattering
			2012A4256	BL12XU	Zhu LinFan	

### Physical Review 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
35997	Shintaro Kobayashi	2 (2018) 054402	2016A1620	BL02B2	中埜 彰俊	Anomalous Double-Stripe Charge Ordering in $\beta$ - $\text{NaFe}_2\text{O}_3$ with Double Triangular Layers Consisting of Almost Perfect Regular $\text{Fe}_4$ Tetrahedra
			2016B1437	BL02B2	澤 博	

### Physics and Chemistry of Minerals

36400	Eleonora Kulik	(2018) Online publication 2 May 2018	2015A2058	BL02B2	河口 彰吾	Thermal Expansion of Coesite Determined by Synchrotron Powder X-ray Diffraction
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### Polymer International

35855	Kazuhiro Shikinaka	67 (2018) 495-499	2015A1280	BL40B2	敷中 一洋	Stiff and Hierarchical Chain Nature of Atactic and Stereoregular Poly(substituted methylene)s
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### Polymer Journal

35836	Chih-Chien Hung	48 (2016) 439-449	2014B4260	BL12XU	Hsu I Jui	Novel Highly Sensitive and Reversible Electrospun Nanofibrous Chemosensor-Filters Composed of Poly(HEMA-co-MNA) and bpy-F-bpy with Metal-Ion-Modulated Multicolor Fluorescence Emission
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### Powder Diffraction

36307	Kunihisa Sugimoto	32 (2017) S19-S26	2014A1908	BL02B2	杉本 邦久	Structural Characterization of Caffeine-Oxalic Acid Co-Crystals from the Powder Diffraction Pattern at the SPring-8 BL02B2 Beamline
			2015A2058	BL02B2	河口 彰吾	
			2015B1988	BL02B2	河口 彰吾	

### Proceedings of SPIE

35869	Kentaro Uesugi	10391 (2017) 103911D	2015A2040	BL20B2	上杉 健太郎	Development of High Energy Micro-Tomography System at SPring-8
			2015A2041	BL20XU	上杉 健太郎	
			2015A1421	BL20B2	星野 真人	
			2013A1441	BL20B2	上杉 健太郎	

### Proceedings of the 5th International Symposium on Steel Science (ISSS 2017)

36369	Yojiro Oba	(2018) 151-154	2016A1688	BL46XU	大場 洋次郎	Characterization of Microstructure using Bragg Edge and Energy-Resolved Small-Angle Neutron Scattering
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### QST Takasaki Annual Report

36376	Kenta Kakitani	QST-M-8 (2017) 36	2017B3654	BL14B1	八巻 徹也	How Does Ion-Beam-Irradiated Carbon Support Improve the Activity of Platinum Nanoparticle Catalysts?
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### Rare Metals

36368	Atsuko Kosuga	37 (2018) 360-368	2014B1334	BL02B2	小菅 厚子	High-Temperature Formation Phases and Crystal Structure of Hot-Pressed Thermoelectric Compounds with Chalcopyrite-Type Structure
			2015A1363	BL02B2	小菅 厚子	
			2015B1377	BL02B2	小菅 厚子	

### Review of Scientific Instruments

36218	Takato Inoue	89 (2018) 043106	2016A8010	BL3	山内 和人	Systematic-Error-Free Wavefront Measurement using an X-ray Single-Grating Interferometer
			2016B8017	BL3	山内 和人	
			2017A8033	BL3	山内 和人	
			理研	BL29XU		

### RSC Advances

36359	Wasusate Soontomchaiyakul	7 (2017) 21790-21795	2014B1744	BL02B2	Soontomchaiyakul Wasusate	Effects of Rh-doping on the Photooxidative Degradation Activity of Titanate Nanosheets
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### Skin Research Science and Technology

35987	Tomonori Suzuki	(2018) Online published 29 Apr. 2018	2015A1387	BL40B2	内野 智信	Evaluation of the Molecular Lipid Organization in Millimeter-Sized Stratum Corneum by Synchrotron X-ray Diffraction
			2015B1197	BL40B2	内野 智信	

### Small Methods

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
36109	WenWen Zhao	(2018) First published 2 May 2018	2017B1218	BL02B2	藪内 直明	Influence of Synthesis Conditions on Electrochemical Properties of P2-Type $\text{Na}_{23}\text{Fe}_{23}\text{Mn}_{13}\text{O}_2$ for Rechargeable Na Batteries

### Solid State Ionics

36379	Kazuki Ise	320 (2018) 7-15	2016B5360	BL16B2	吉木 昌彦	Large Lithium Storage in Highly Crystalline $\text{TiNb}_2\text{O}_7$ Nanoparticles Synthesized by a Hydrothermal Method as Anodes for Lithium-Ion Batteries
			2017A5360	BL16B2	吉木 昌彦	

### Structure

35885	Arata Furukawa	26 (2018) 485-489	2016A2532	BL32XU	塚崎 智也	Remote Coupled Drastic $\beta$ -Barrel to $\beta$ -Sheet Transition of the Protein Translocation Motor
			2015A1061	BL32XU	塚崎 智也	

### Surface and Interface Analysis

36042	Satoshi Yasuno	ECASIA Special Issue Paper (2018) Version of Record online: 23 Mar. 2018	2016A1762	BL46XU	安野 聡	Relative Sensitivity Factors in Hard X-ray Photoelectron Spectroscopy
			2016B1555	BL46XU	安野 聡	
			2016B1870	BL46XU	安野 聡	
			2017A1562	BL46XU	安野 聡	
			2017A1768	BL46XU	安野 聡	
			2017B1600	BL46XU	安野 聡	

### Thin Solid Films

36067	Tomoya Fujiwara	658 (2018) 66-72	2016B1107	BL13XU	大西 洋	Heteroepitaxial Barium-Doped $\text{NaTaO}_3$ Films on $\text{SrTiO}_3(001)$ Substrate
			2015A0116	BL13XU	林 好一	

### Toxin and Drug Discovery

35817	Tai Kubo	(2016) 1-24	2014B1344	BL40XU	久保 泰	Random Peptide Library for Ligand and Drug Discovery
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### Transactions of the Magnetics Society of Japan

35863	Tomohiko Ikeda	1 (2017) 10-13	2015A1867	BL25SU	劉 小晰	Domain Configuration in Magnetic Wire with Transversal Magnetic Anisotropy
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### X-Ray Spectrometry

35843	Kenji Terada	47 (2018) 137-143	2015B1834	BL37XU	中井 泉	Investigation of Cadmium Accumulation Mechanism in Hepatopancreas of <i>Patinopecten yessoensis</i> by Synchrotron Radiation X-ray Absorption Fine Structure and Synchrotron Radiation X-ray Fluorescence Analyses
			2015B1832	BL01B1	中井 泉	

### X-ray Spectroscopy

36388	Kyoko Okada	(2018) Online published 21 June 2018	2012A1238	BL09XU	長嶋 廉仁	Vibrations and Chemical States of Iron Ions in Soda-Lime Glasses Determined by Element-Specific X-ray Analysis
			2012B1602	BL09XU	岡田 京子	
			2014A1581	BL09XU	岡田 京子	
			2014B1663	BL09XU	岡田 京子	
			2015A2054	BL09XU	岡田 京子	
			2013A1640	BL14B2	白木 康一	

### Zeitschrift für Kristallographie - Crystalline Materials

36021	Hamdi Ben Yahia	232 (2017) 349-356	2011A1795	BL19B2	辰巳 国昭	The Novel Stairs-Like Layered Compound $\text{Co}_3(\text{OH})_8(\text{H}_2\text{O})_2[\text{SO}_3]_2$
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### 材料 (Journal of the Society of Materials Science, Japan)

36070	Hitoshi Yusa	67 (2018) 527-532	2012A4264	BL12XU	遊佐 斉	High-Pressure Structural Research using DAC: XRD and XES Measurements of Transition Metal Difluorides under High Pressure
			2012B4258	BL12XU	遊佐 斉	
			2013B4262	BL12XU	遊佐 斉	
			2012B1186	BL10XU	遊佐 斉	
			2014B1232	BL10XU	遊佐 斉	

成形加工 (Journal of the Japan Society of Polymer Processing)

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
35893	Aya Tanimura	30 (2018) 81-86	2013B7262	BL03XU	船城 健一	Structural Characterization of PET Film by X-ray Scattering by Near Melting Point Stretching

日本金属学会誌 (The Journal of the Japan Institute of Metals and Materials)

36274	Hifumi Nagai	81 (2017) 178-185	2013B3518	BL11XU	成田 弘一	Recovery of Ruthenium from a Solution Containing Platinum Group Metals
			2015B3514	BL11XU	成田 弘一	

非破壊検査 (Journal of JSNDI)

36071	Manako Tanaka	67 (2018) 233-240	2015A1606	BL08W	田中 真奈子	Non-Destructive Study of Iron Artifacts using Synchrotron X-ray and Neutron to Clarify their Material Characteristics and Manufacturing Techniques
			2012B1493	BL08W	田中 真奈子	
			2015B1826	BL08W	田中 真奈子	
			2016B1798	BL28B2	田中 真奈子	
			2016B1799	BL20B2	田中 真奈子	
			2017B1760	BL28B2	田中 真奈子	

分析化学 (Bunseki Kagaku)

36161	Hiroki Uehara	67 (2018) 145-151	2017A1613	BL40XU	上原 宏樹	Combination of DSC and <i>in-situ</i> XRD for Analysis of Melting Behavior of Polymeric Materials
			2017B1202	BL40B2	上原 宏樹	

粉体および粉末冶金 (Journal of the Japan Society of Powder and Powder Metallurgy)

36332	Peng Xiong	65 (2018) 269-273	2016A1353	BL47XU	島川 祐一	High Pressure Synthesis and Physical Properties of $\text{Sr}_{0.5-x}\text{Ca}_x\text{Bi}_{0.5}\text{FeO}_3$
			2015A1647	BL02B2	齊藤 高志	
			2016A1622	BL02B2	保坂 祥輝	
			2016A1650	BL02B2	熊 鵬	
			2017B1736	BL02B2	熊 鵬	

まてりあ (Materia Japan)

35862	Norihiro Okamoto	57 (2018) 169-175	2014B1228	BL02B1	乾 晴行	Crystal Structures and Mechanical Properties of the Intermetallic Compounds in the Fe-Zn System Comprising the Coating of Galvannealed Steel Sheets
			2015A1468	BL02B1	乾 晴行	
			2016B1096	BL02B1	岡本 範彦	
			2017A1243	BL02B1	岡本 範彦	

博士論文 (大阪大学)

35835	Hirokazu Hasegawa	(2018)	2014B1087	BL40B2	寺尾 憲	Solution Properties of Linear and Star Poly(quinoxaline-2,3-diyl) Derivatives with Rigid Helical Backbones
			2015A1179	BL40B2	寺尾 憲	
			2015B1100	BL40B2	寺尾 憲	
			2016B1088	BL40B2	寺尾 憲	
35954	Yasuhiro Nakatani	(2018)	2013B3882	BL23SU	関山 明	Strongly Correlated Electronic Structures of Ce-based Heavy Fermion Systems Probed by Polarization-Dependent X-ray Electron Spectroscopy
			2014B3882	BL23SU	関山 明	
			2012A3834	BL23SU	斎藤 祐児	
			2012B3834	BL23SU	斎藤 祐児	
			2014A1023	BL27SU	関山 明	
35955	Kohei Yamagami	(2018)	2014A1023	BL27SU	関山 明	Local 3d Electronic States of Strongly Correlated Transition-Metal Oxides and Complexes Probed by High-energy Electron Spectroscopy
			2014B1299	BL27SU	関山 明	

博士論文 (京都大学)

35819	Takayuki Uchida	(2018)	2014B4903	BL15XU	金子 健太郎	Study of Corundum-Structured Gallium Oxides for Device Applications
36004	Yohei Nakanishi	(2018)	2014B1648	BL19B2	石毛 亮平	Fundamental and Applied Studies on Self-Assembling of Polymer-Brush-Modified Nanoparticles in Ionic Liquid
			2015A1718	BL19B2	石毛 亮平	
			2014B1469	BL40B2	石毛 亮平	
36048	Atsushi Funatsuki	(2017)	2005B0439	BL01B1	高岡 昌輝	Development of Forensic Identification Method with X-Ray Absorption Fine Structure Analysis
			2010A1372	BL01B1	高岡 昌輝	
			2011A1205	BL01B1	高岡 昌輝	
			2012B1108	BL14B2	船附 淳志	
			2013A1733	BL01B1	船附 淳志	
			2014A1133	BL27SU	船附 淳志	

博士論文 (筑波大学)

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
35965	Keita Ito	(2014)	2010B3877	BL23SU	木村 昭夫	Magnetic Properties of Anti-Perovskite Type Transition Metal Ferromagnetic Nitrides
			2011A3872	BL23SU	木村 昭夫	
			2012B3840	BL23SU	木村 昭夫	
			2010A3877	BL23SU	木村 昭夫	
			2013B3880	BL23SU	木村 昭夫	
			2011B4804	BL15XU	木村 昭夫	
			2012A4806	BL15XU	木村 昭夫	
2013A3880	BL23SU	木村 昭夫				
36353	Ryota Takabe	(2018)	2014A4902	BL15XU	木村 昭夫	Surface Passivation and Epitaxial Growth of High-Quality BaSi <sub>2</sub> Films
			2015A4907	BL15XU	木村 昭夫	
			2015B4906	BL15XU	木村 昭夫	
36354	Masakazu Baba	(2016)	2012B4908	BL15XU	木村 昭夫	Study of Grain Boundaries in BaSi <sub>2</sub> Epitaxial Films

博士論文 (東京大学)

35973	Tohma Watanabe	(2018)	2012A1693	BL13XU	杉山 正和	Selective Area Growth of InGaAs on Si for Integrated Infrared Photodiodes
			2013A1025	BL13XU	杉山 正和	
36059	Yuya Kubota	(2017)	2014B7473	BL07LSU	松田 巖	Magnetism of Buried Layers Studied by Soft X-ray Resonant Magneto-Optical Effect using Polarization Modulation
			2015B7401	BL07LSU	松田 巖	
			2015A7401	BL07LSU	松田 巖	
			2014B7401	BL07LSU	松田 巖	
			2014A7401	BL07LSU	松田 巖	
			2016A7403	BL07LSU	和達 大樹	
			2016A7504	BL07LSU	田久保 耕	
2016B7403	BL07LSU	和達 大樹				

博士論文 (Monash University)

36036	Yi Ching Chen	(2016)	2014B1800	BL28B2	Pearson James	Application of Synchrotron Microangiography to Functional Imaging of Coronary Vessels in vivo
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博士論文 (大阪府立大学)

35952	Katsuya Ichiki	(2018)	2012A4801	BL15XU	佐藤 仁	硬 X 線光電子分光による価数転移系 Eu 化合物の電子状態の研究
			2012B4802	BL15XU	佐藤 仁	
			2013A4801	BL15XU	佐藤 仁	
			2013A4802	BL15XU	佐藤 仁	
			2013B4800	BL15XU	佐藤 仁	
			2013B4904	BL15XU	三村 功次郎	
			2015A4800	BL15XU	佐藤 仁	
			2015A4906	BL15XU	三村 功次郎	
			2015B4801	BL15XU	佐藤 仁	
			2015B4908	BL15XU	三村 功次郎	
			2017B4800	BL15XU	佐藤 仁	
			2017B4906	BL15XU	三村 功次郎	
2014B1848	BL39XU	三村 功次郎				

博士論文 (岡山大学)

36009	Fang Xu	(2017)	2014B1778	BL04B1	徐 放	Experimental Study on Rheology of Deep Mantle Minerals
			2015B1761	BL04B1	徐 放	
			2016A1629	BL04B1	徐 放	

博士論文 (千歳科学技術大学)

36066	Takuya Tanaka	(2018)	2015A1560	BL40B2	大越 研人	Study on Smectic LC Phases Formed in Polysilane and Their Application for Metal Nanopatterning
			2015B1233	BL40B2	大越 研人	
			2017B1220	BL40B2	大越 研人	

博士論文 (東京工業大学)

35868	Yusaku Yoshiike	(2018)	2015A1191	BL13XU	平山 博之	X-ray Diffraction Study on the Ag/Si(111) $\sqrt{3}\times\sqrt{3}$ -B Interface Structure
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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
35979	Satoshi Shindo	(2018)	2016B1240	BL27SU	Fons Paul	Contact Resistance of Metal/Cu <sub>2</sub> GeTe <sub>3</sub> and its Influence on Electrical Conduction of Phase-Change Memory Device
			2017A1383	BL01B1	Fons Paul	
			2015B1204	BL47XU	須藤 祐司	
			2017B1462	BL27SU	Fons Paul	

博士論文 (広島大学)

36131	Rousuli Awabaikeli	(2017)	2014B4800	BL15XU	佐藤 仁	Electronic Structure of Kondo Insulator Yb <sub>1-x</sub> Zr <sub>x</sub> B <sub>12</sub> and Kondo Lattice Yb <sub>2</sub> Pt <sub>6</sub> X <sub>15</sub> (X=Al, Ga) Studied by Photoemission Spectroscopy
			2014B4902	BL15XU	三村 功次郎	
			2015A4800	BL15XU	佐藤 仁	
			2015A4906	BL15XU	三村 功次郎	
			2015B4801	BL15XU	佐藤 仁	
			2015B4908	BL15XU	三村 功次郎	
			2016A4802	BL15XU	佐藤 仁	
			2016A4906	BL15XU	三村 功次郎	
			2016B4801	BL15XU	佐藤 仁	
			2016B4908	BL15XU	三村 功次郎	
			2017A4800	BL15XU	佐藤 仁	
2017A4907	BL15XU	三村 功次郎				

博士論文 (北陸先端科学技術大学院大学)

36103	Yuuki Yoshimoto	(2018)	2016B1398	BL04B2	李 金望	Solid Conversion Behaviors of Indium Oxide Gel Comprising of Hybrid Clusters with Thermal- and/or Ultraviolet-Treatments for Low Temperature Processing
			2017A1409	BL04B2	李 金望	

課題以外の成果として登録された論文

Nuclear Instruments and Methods in Physics Research Section A

研究成果番号	主著者	雑誌情報		ビームライン	タイトル
35846	Takahiro Tanaka	894 (2018) 107-110	装置&技術	BL1	Absolute Laser-Intensity Measurement and Online Monitor Calibration using a Calorimeter at a Soft X-ray Free-Electron Laser Beamline in SACLA
36217	Hironobu Fukuzawa	(2018) Available online 16 Mar. 2018	XFEL		Advances in Instrumentation for Gas-Phase Spectroscopy and Diffraction with Short-Wavelength Free Electron Lasers
			装置&技術	SACLA	

Physical Review Special Topics - Accelerators and Beams

36219	Toru Hara	21 (2018) 040701	加速器	SACLA	High Peak Current Operation of X-ray Free-Electron Laser Multiple Beam Lines by Suppressing Coherent Synchrotron Radiation Effects
36337	Hirokazu Maesaka	21 (2018) 050703	加速器	SACLA	Brightness Analysis of an Electron Beam with a Complex Profile

Scientific Reports

36139	Eriko Nango	6 (2016) 25745	理研	BL45XU	Taste Substance Binding Elicits Conformational Change of Taste Receptor T1r Heterodimer Extracellular Domains
36336	Nikita Medvedev	8 (2018) 5284	装置&技術	SACLA	Multistep Transition of Diamond to Warm Dense Matter State Revealed by Femtosecond X-ray Diffraction

Acta Crystallographica Section F

35942	K. J. Pampa	73 (2017) 706-712	理研	BL26B1	Crystal Structure of SAM-dependent Methyltransferase from <i>Pyrococcus horikoshii</i>
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Angewandte Chemie International Edition

35941	Makoto Hirose	130 (2018) 1490-1495	理研	BL29XU	Visualization of Heterogeneous Oxygen Storage Behavior in Platinum-Supported Cerium-Zirconium Oxide Three-Way Catalyst Particles by Hard X-ray Spectro-Ptychography
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Biochemical and Biophysical Research Communications

36055	Young Jin Lee	486 (2017) 470-475	理研	BL26B1	Crystal Structure of the Catalytic Domain of <i>Clostridium perfringens</i> Neuraminidase in Complex with a Non-Carbohydrate-Based Inhibitor, 2-(cyclohexylamino)ethanesulfonic Acid
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### ChemCatChem

研究成果番号	主著者	雑誌情報		ビームライン	タイトル
35943	Jon del Arco	10 (2018) 439-448	理研	BL26B1	Enzymatic Production of Non-Natural Nucleoside-5'-Monophosphates by a Thermostable Uracil Phosphoribosyltransferase

### Crystallography Reports

36289	V. Kh. Akparov	62 (2017) 249-253		BL41XU	Three-Dimensional Structure of Porcine Pancreatic Carboxypeptidase B with an Acetate Ion and Two Zinc Atoms in the Active Site
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### eLife

35983	Yosuke Yoneyama	7 (2018) e32893	理研	BL26B2	IRS-1 Acts as an Endocytic Regulator of IGF-1 Receptor to Facilitate Sustained IGF Signaling
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### Japanese Journal of Applied Physics

36283	Choong Shik Yoo	56 (2017) 05FA04		BL10XU	Phase Diagram of Carbonyl Sulfide: An Analogy to Carbon Dioxide and Carbon Disulfide
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### Journal of the American Chemical Society

36121	Bo Huang	139 (2017) 4643-4646		BL02B2	Solid-Solution Alloying of Immiscible Ru and Cu with Enhanced CO Oxidation Activity
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### Nature Communications

36335	Wojciech Roseker	9 (2018) 1704	装置&技術	SACLA	Towards Ultrafast Dynamics with Split-Pulse X-ray Photon Correlation Spectroscopy at Free Electron Laser Sources
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### Physical Review A

36265	Aviad Schori	97 (2018) 063804	理研	BL19LXU	Ghost Imaging with Paired X-ray Photons
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### PLoS One

36276	Noriko Inoguchi	12 (2017) e0174921		BL41XU	Alteration of the $\alpha_1\beta_2/\alpha_2\beta_1$ Subunit Interface Contributes to the Increased Hemoglobin-Oxygen Affinity of High-Altitude Deer Mice
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### Proceedings of the National Academy of Sciences of the United States of America

36333	Kozo Hamada	114 (2017) 4661-4666	理研	BL26B1	IP <sub>3</sub> -Mediated Gating Mechanism of the IP <sub>3</sub> Receptor Revealed by Mutagenesis and X-ray Crystallography
			理研	BL32XU	
			理研	BL26B2	

### Review of Scientific Instruments

36403	Chikara Kondo	89 (2018) 064704	XFEL		A Stable Pulsed Power Supply for Multi-Beamline XFEL Operations
			装置&技術	BL2 / BL3	

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

35989	Hiroki Wadati	49 (2018)	装置&技術	SACLA	4f 系化合物の X 線吸収分光と時間分解測定への道
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### 生物物理 (Biophysics)

36220	So Iwata	58 (2018) 017-021	装置&技術	SACLA	Time Resolved Crystallography Using X-ray Free Electron Laser on Photoreactive Membrane Proteins
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### ナノ学会会報 (The Bulletin of the Nano Science and Technology)

36160	Kenichi Kato	14 (2016) 77-81		BL02B2	Visualizing Electrostatic Interactions in Nano Space by Synchrotron X-ray Diffraction
			理研	BL44B2	

### 放射光 (Journal of the Japanese Society for Synchrotron Radiation Research)

36163	Kenichi Kato	30 (2017) 13-20	理研	BL44B2	Explorations into Superionic Conduction in a Layered Oxide by a Gas-Flow Capillary for High-Energy Powder Diffraction
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