

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/

このデータベースに登録された原著論文の内、平成 30 年 10 月～12 月に登録されたものを以下に紹介します。論文の情報（著者、巻、発行年、ページ、タイトル）に加え、データベースの登録番号（研究成果番号）を掲載していますので、詳細は上記検索ページの検索結果画面でご覧いただくことができます。また実施された課題の情報（課題番号、ビームライン、実験責任者名）も掲載しています。課題番号は最初の 4 文字が「year」、次の 1 文字が「term」、後ろの 4 文字が「proposal no.」となっていますので、この情報から以下の URL で公表している、各課題の英文利用報告書 (SPring-8 User Experiment Report) を探してご覧いただくことができます。

http://www.spring8.or.jp/ja/news_publications/publications/user_exp_report/

今後も利用者情報には発行月の 2 ヶ月前の月末締めで、前号掲載分以降に登録された論文情報を掲載していく予定です。なお、データベースは毎日更新されていますので、最新情報は SPring-8 論文データベース検索ページでご確認ください。なお、実験責任者の方には、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 10 月～12 月に登録された論文が掲載された主な雑誌と掲載論文数

掲載雑誌	登録論文数	掲載雑誌	登録論文数
Journal of the American Chemical Society	10	Applied Physics Letters	4
Scientific Reports	10	Japanese Journal of Applied Physics	4
光学 (Japanese Journal of Optics)	6	The Journal of Physical Chemistry C	4
Angewandte Chemie International Edition	5	Journal of the Physical Society of Japan	4
Physical Review B	5	Surface and Interface Analysis	4

他全 149 誌、計 240 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

Journal of the American Chemical 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
36880	Tomohiro Sugahara	140 (2018) 11206-11209	2018A1405	BL40XU	箕浦 真生	2,5-Digermaselenophenes: Germanium Analogues of Selenophenes
			2018A1167	BL40XU	笹森 貴裕	
			2017B1179	BL40XU	笹森 貴裕	
			2017A1647	BL40XU	鈴木 裕子	
			2017A1668	BL40XU	行本 万里子	
			2016B1705	BL40XU	鈴木 裕子	
2015B1074	BL40XU	笹森 貴裕				
37037	Yogesh Kumar Maruya	140 (2018) 6883-6892	2016B1591	BL14B2	西堀 麻衣子	Ground-State Copper(III) Stabilized by N-Confused/N-Linked Corroles: Synthesis, Characterization, and Redox Reactivity
37047	Nobuo Maita	140 (2018) 13546-13549	2015A6537	BL44XU	真板 宣夫	Crystal Structure Determination of Ubiquitin by Fusion to a Protein That Forms a Highly Porous Crystal Lattice
			2015B6537	BL44XU	真板 宣夫	
			2016A6637	BL44XU	真板 宣夫	
			2016B6637	BL44XU	真板 宣夫	
37054	Edward J. Reijerse	139 (2017) 4306-4309	2013B0103	BL09XU	Cramer Stephen	Direct Observation of an Iron-Bound Terminal Hydride in [FeFe]-Hydrogenase by Nuclear Resonance Vibrational Spectroscopy
			2016A1154	BL09XU	Wang Hongxin	
			2016B1347	BL09XU	Wang Hongxin	
			2017A0141	BL09XU	Cramer Stephen	
37058	Vladimir Pelmenschikov	139 (2017) 16894-16902	2013B0103	BL09XU	Cramer Stephen	Reaction Coordinate Leading to H ₂ Production in [FeFe]-Hydrogenase Identified by Nuclear Resonance Vibrational Spectroscopy and Density Functional Theory
			2017A1115	BL19LXU	Wang Hongxin	
37098	Kohsuke Mori	140 (2018) 8902-8909	2017B1081	BL01B1	桑原 泰隆	Surface Engineering of a Supported PdAg Catalyst for Hydrogenation of CO ₂ to Formic Acid: Elucidating the Active Pd Atoms in Alloy Nanoparticles
			2017B1084	BL01B1	森 浩亮	
37162	Kyle D. Sutherlin	140 (2018) 5544-5559	2017A0137	BL09XU	Solomon Edward	NRVS Studies of the Peroxide Shunt Intermediate in a Rieske Dioxxygenase and Its Relation to the Native Fe ^{II} O ₂ Reaction
			2013B0105	BL09XU	Solomon Edward	
37163	Kyle D. Sutherlin	140 (2018) 16495-16513	2017A0137	BL09XU	Solomon Edward	Nuclear Resonance Vibrational Spectroscopy Definition of O ₂ Intermediates in an Extradiol Dioxxygenase: Correlation to Crystallography and Reactivity
			2013B0105	BL09XU	Solomon Edward	
37177	Suguru Yoshida	140 (2018) 15690-15700	2017B1423	BL02B2	藤田 晃司	Hybrid Improper Ferroelectricity in (Sr,Ca) ₃ Sn ₂ O ₇ and Beyond: Universal Relationship between Ferroelectric Transition Temperature and Tolerance Factor in n = 2 Ruddlesden-Popper Phases
			2018A1391	BL02B2	藤田 晃司	

Scientific Reports-1

36964	Hong-Hsiang Guan	8 (2018) 14935	2014B6600	BL44XU	Chen Chun Jung	Structural Insights into the Electron/Proton Transfer Pathways in the Quinol:Fumarate Reductase from <i>Desulfovibrio gigas</i>
			2014B6965	BL44XU	Chen Chun Jung	
			2015A6600	BL44XU	Chen Chun Jung	
			2015A4000	BL12B2	Chen Chun Jung	
			2015B6600	BL44XU	Chen Chun Jung	
			2015B4004	BL12B2	Chen Chun Jung	
			2015B4010	BL12B2	Chen Chun Jung	
			2016A6600	BL44XU	Chen Chun Jung	
			2016A6659	BL44XU	Chen Chun Jung	
			2016A4012	BL12B2	Chen Chun Jung	
			2016B6600	BL44XU	Chen Chun Jung	
			2016B4000	BL12B2	Chen Chun Jung	
			2017A4000	BL12B2	Chen Chun Jung	
			2017A6600	BL44XU	Chen Chun Jung	
			2017B4000	BL12B2	Chen Chun Jung	
			2017B6769	BL44XU	Chen Chun Jung	
2017B6600	BL44XU	Chen Chun Jung				

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
36965	Li-Ying Chen	8 (2018) 287	2014B6600	BL44XU	Chen Chun Jung	Domain Swapping and SMYD1 Interactions with the PWWP Domain of Human Hepatoma-Derived Growth Factor
			2014B6965	BL44XU	Chen Chun Jung	
			2015B6600	BL44XU	Chen Chun Jung	
			2015B4004	BL12B2	Chen Chun Jung	
			2015B4010	BL12B2	Chen Chun Jung	
			2016A6600	BL44XU	Chen Chun Jung	
			2016A6659	BL44XU	Chen Chun Jung	
			2016A4012	BL12B2	Chen Chun Jung	
			2016B6600	BL44XU	Chen Chun Jung	
			2016B4000	BL12B2	Chen Chun Jung	
			2017A4000	BL12B2	Chen Chun Jung	
2017B6600	BL44XU	Chen Chun Jung				
2017A6600	BL44XU	Chen Chun Jung				
37107	Takahiro Moriyama	8 (2018) 14167	2013B1667	BL17SU	吉村 瑠子	Spin Torque Control of Antiferromagnetic Moments in NiO
			2014A1677	BL17SU	吉村 瑠子	
			2014B1774	BL17SU	吉村 瑠子	
			2015B1748	BL17SU	吉村 瑠子	
			2015B0901	BL17SU	千葉 大地	
2017B0921	BL17SU	壬生 攻				
37158	Go Kasuya	7 (2017) 45208	2015B2019	BL41XU	服部 素之	Structural Insights into the Nucleotide Base Specificity of P2X Receptors
			2013A1123	BL41XU	石谷 隆一郎	
37218	Asako Yamaguchi	6 (2016) 21833	2015A0114	BL02B1	高谷 光	Discovery of 12-mer Peptides that Bind to Wood Lignin
			2015A0114	BL40XU	高谷 光	
37222	Satoshi Matsuyama	8 (2018) 17440	2015B8013	BL3	山内 和人	Nanofocusing of X-ray Free-Electron Laser using Wavefront-Corrected Multilayer Focusing Mirrors
			2016A8010	BL3	山内 和人	
			2016B8017	BL3	山内 和人	
			2017A8033	BL3	山内 和人	
2018A8060	BL3	山内 和人				
37226	Hiroshi Sekiguchi	8 (2018) 17090	2012B1379	BL40XU	佐々木 裕次	Diffracted X-ray Blinking Tracks Single Protein Motions
			2013A1494	BL20XU	関口 博史	
			2014B1205	BL40XU	関口 博史	
			2014B1470	BL40XU	池崎 圭吾	
			2014B1954	BL40XU	関口 博史	
			2015B1200	BL40XU	関口 博史	
			2015A1229	BL40XU	関口 博史	
			2016B1901	BL40B2	関口 博史	
			2016B1130	BL40XU	関口 博史	
2017A1286	BL40XU	関口 博史				
37243	Yosuke Goto	8 (2018) 12852	2017B1283	BL02B2	後藤 陽介	Na _{1-x} Sn ₂ P ₂ as a New Member of van der Waals-Type Layered Tin Pnictide Superconductors
37267	Anatoly Y. Faenov	8 (2018) 16407	2017A8062	BL3	尾崎 典雅	Advanced High Resolution X-ray Diagnostic for HEDP Experiments

Angewandte Chemie International Edition

36990	Masayuki Nihei	56 (2017) 591-594	2015A4131	BL12B2	Hsu I Jui	A Hydrogen-Bonded Cyanide-Bridged [Co ₂ Fe ₂] Square Complex Exhibiting a Three-Step Spin Transition
37073	Cindy C. Pham	57 (2018) 10605-10609	2013B0103	BL09XU	Cramer Stephen	Terminal Hydride Species in [FeFe]-Hydrogenases Are Vibrationally Coupled to the Active Site Environment
			2017A0141	BL09XU	Cramer Stephen	
			2015B1134	BL09XU	Wang Hongxin	
			2016A1154	BL09XU	Wang Hongxin	
			2016B1347	BL09XU	Wang Hongxin	
			2017A1115	BL19LXU	Wang Hongxin	
2017B1331	BL19LXU	Wang Hongxin				
37074	Vladimir Pelmenschikov	57 (2018) 9367-9371	2013B0103	BL09XU	Cramer Stephen	High-Frequency Fe-H Vibrations in a Bridging Hydride Complex Characterized by NRVS and DFT
			2016A1154	BL09XU	Wang Hongxin	
			2016B1347	BL09XU	Wang Hongxin	
37200	Hiroki Miura	57 (2018) 6136-6140	2016B1224	BL01B1	三浦 大樹	Concerted Catalysis by Adjacent Palladium and Gold in Alloy Nanoparticles for the Versatile and Practical [2+2+2] Cycloaddition of Alkynes
37232	Hajime Yamamoto	57 (2018) 8170-8173	2017B1697	BL02B2	山本 孟	Colossal Negative Thermal Expansion in Electron-Doped PbVO ₃ Perovskites

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
36976	Daichi Ichinose	113 (2018) 132905	2016B1717	BL13XU	一ノ瀬 大地	Domain Structure Transition from Two to Three Dimensions in Tensile Strained (100)/(001)-oriented Epitaxial Tetragonal PZT Film
			2014B4909	BL15XU	舟窪 浩	
			2017B4900	BL15XU	清水 荘雄	
			2018A4905	BL15XU	舟窪 浩	
37050	Tatsunori Shibuya	113 (2018) 171902	2017B8004	BL1	錦野 将元	Deep-Hole Drilling of Amorphous Silica Glass by Extreme Ultraviolet Femtosecond Pulses
			2018A8024	BL1	錦野 将元	
37175	Takao Shimizu	113 (2018) 212901	2015A4702	BL15XU	舟窪 浩	Ferroelectricity Mediated by Ferroelastic Domain Switching in HfO ₂ -based Epitaxial Thin Films
			2015B4702	BL15XU	清水 荘雄	
			2016A4702	BL15XU	舟窪 浩	
			2017B4701	BL15XU	清水 荘雄	
37268	Toshitaka Oka	113 (2018) 243701	2010B3811	BL23SU	横谷 明德	Substituent Effect on the Yield of Unpaired Electrons in DNA Bases Studied by Electron Paramagnetic Resonance
			2011A3815	BL23SU	岡 壽崇	
			2011B3815	BL23SU	岡 壽崇	
			2012B3812	BL23SU	藤井 健太郎	
			2013A3812	BL23SU	藤井 健太郎	
			2013B3812	BL23SU	藤井 健太郎	
			2014A3812	BL23SU	藤井 健太郎	
			2014B3812	BL23SU	藤井 健太郎	
			2015A3812	BL23SU	藤井 健太郎	
2015B3812	BL23SU	藤井 健太郎				

Japanese Journal of Applied Physics

37035	Yasuhiro Yoneda	57 (2018) 11UB07	2017A1069	BL04B2	米田 安宏	Local Structure and Phase Transitions of KNbO ₃
			2017A3607	BL14B1	米田 安宏	
			2017B1118	BL04B2	米田 安宏	
			2018A3607	BL14B1	米田 安宏	
37146	Shunji Kishimoto	58 (2019) 016501	2015B3501	BL11XU	三井 隆也	Nuclear Bragg Reflection of ⁵⁷ FeBO ₃ in Radio-Frequency Magnetic Field Observed with Si-APD Linear Array Detector
37173	Chan Wook Kim	57 (2018) 118001	2017A1064	BL08W	Kim Chanwook	Magnetic Compton Scattering Study of Grain-Oriented Silicon Steels
37231	Wensheng Wang	58 (2019) 016503	2017B5110	BL16XU	淡路 直樹	Ferroelectric Random Access Memory with High Electric Properties and High Production Yield Realized by Employing an AlO _x Underlying Layer of Pt Bottom Electrode for a La-doped Lead Zirconate Titanate Capacitor
			2018A5110	BL16XU	淡路 直樹	

The Journal of Physical Chemistry C

36887	Wataru Kurashige	122 (2018) 13669-13681	2017A1492	BL01B1	山添 誠司	Au ₂₅ -Loaded BaLa ₄ Ti ₄ O ₁₅ Water-Splitting Photocatalyst with Enhanced Activity and Durability Produced Using New Chromium Oxide Shell Formation Method
			2016B0908	BL01B1	若林 裕助	
			2016A1436	BL01B1	山添 誠司	
			2016B1493	BL01B1	山添 誠司	
36889	Tsubasa Omoda	122 (2018) 13199-13204	2018A1342	BL04B2	山添 誠司	An Au ₂₅ (SR) ₁₈ Cluster with a Face-Centered Cubic Core
			2016A1436	BL01B1	山添 誠司	
			2016B0908	BL01B1	若林 裕助	
37151	Akira Yoko	122 (2018) 24350-24358	2016A1634	BL01B1	横 哲	Impact of Surface Energy on the Formation of Composite Metal Oxide Nanoparticles
			2015B1705	BL02B2	横 哲	
37264	Ikuya Yamada	122 (2018) 27885-27892	2017B1077	BL02B2	山田 幾也	Systematic Study of Descriptors for Oxygen Evolution Reaction Catalysis in Perovskite Oxides
			2017B1900	BL14B2	山田 幾也	
			2018A1077	BL02B2	山田 幾也	

Physical Review B-1

36936	Shugo Ikeda	98 (2018) 100502(R)	2011A1951	BL09XU	小林 寿夫	New Antiferromagnetic Order with Pressure-Induced Superconductivity in EuFe ₂ As ₂
			2010A1119	BL09XU	池田 修悟	
			2009B1442	BL09XU	池田 修悟	
			2009A1364	BL10XU	小林 寿夫	
37008	Takeshi Kawabe	96 (2017) 220412(R)	2014A0079	BL25SU	白土 優	Electric-Field-Induced Changes of Magnetic Moments and Magnetocrystalline Anisotropy in Ultrathin Cobalt Films
			2016B1016	BL25SU	鈴木 義茂	
			2017A1012	BL25SU	鈴木 義茂	
			2017A1201	BL25SU	三輪 真嗣	
37136	Ryuji Okazaki	98 (2018) 205131	2014B1116	BL43IR	岡崎 竜二	Spectroscopic Signature of Trimer Mott Insulator and Charge Disproportionation in BaIrO ₃
			2015A1189	BL43IR	寺崎 一郎	

Physical Review B-2

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
37174	Yiu Wing Cheung	98 (2018) 161103(R)	2013B1095	BL35XU	Goh Swee	Evidence of a Structural Quantum Critical Point in $(\text{Ca}_x\text{Sr}_{1-x})_3\text{Rh}_4\text{Sn}_{13}$ from a Lattice Dynamics Study
			2015B1294	BL35XU	Goh Swee	
			2016A1160	BL35XU	Goh Swee	
			2017A1130	BL35XU	Goh Swee	
			2017B1228	BL35XU	Goh Swee	
2018A1399	BL35XU	Goh Swee				

Surface and Interface Analysis

36937	Chie Tsukada	51 (2019) 85-88	2016A3801	BL23SU	吉越 章隆	Surface Chemical States of Gold Nanoparticles Prepared using the Solution-Plasma Method in a CsCl Aqueous Solution
			2016B3801	BL23SU	吉越 章隆	
37140	Jens Rüdiger Stellhorn	51 (2019) 70-73	2015A0116	BL13XU	林 好一	Application of X-ray Fluorescence Holography to the Analysis of the Interior and Surface of an Yttrium Oxide Thin Film
37186	Koji Kimura	51 (2019) 51-55	2015A0116	BL13XU	林 好一	Local Structural Analysis of In-Doped Bi_2Se_3 Topological Insulator using X-ray Fluorescence Holography
37263	Yoshiki Fujita	51 (2019) 74-78	2014B1454	BL25SU	松井 文彦	Mapping Nanometer and Micrometer-Scale Structures at Graphite Surface by Photoelectron Diffraction
			2015A0116	BL25SU	林 好一	

ACS Catalysis

37068	Hajime Suzuki	7 (2017) 4336-4343	2014B1371	BL01B1	細川 三郎	Highly Dispersed RuO_2 Hydrates Prepared via Simple Adsorption as Efficient Cocatalysts for Visible-Light-Driven Z-Scheme Water Splitting with an IO_3^-/I^- Redox Mediator
37095	Shinya Masuda	8 (2018) 2277-2285	2017B1084	BL01B1	森 浩亮	PdAg Nanoparticles Supported on Functionalized Mesoporous Carbon: Promotional Effect of Surface Amine Groups in Reversible Hydrogen Delivery/Storage Mediated by Formic Acid/ CO_2
			2017B1081	BL01B1	桑原 泰隆	
37217	Masafumi Hirano	8 (2018) 5827-5841	2015A0114	BL27SU	高谷 光	Mechanistic Insights on Pd/Cu-Catalyzed Dehydrogenative Coupling of Dimethyl Phthalate
			2015A0114	BL14B2	高谷 光	

ACS Omega

36897	Satoshi Tominaka	3 (2018) 8874-8881	2017A1207	BL08W	富中 悟史	Lepidocrocite-Type Titanate Formation from Isostructural Prestructures under Hydrothermal Reactions: Observation by Synchrotron X-ray Total Scattering Analyses
			2016B1954	BL04B2	河口 沙織	
37135	Hideshi Yokoyama	3 (2018) 12284-12294	2014B1991	BL26B1	横山 英志	Structural and Thermodynamic Basis of the Enhanced Interaction between Kinesin Spindle Protein Eg5 and STLC-type Inhibitors
			2015A1059	BL41XU	横山 英志	
			2015A1059	BL26B1	横山 英志	
37216	Katsuhiro Isozaki	3 (2018) 7483-7493	2015A0114	BL02B1	高谷 光	Rebust Surface Plasmon Resonance Chips for Repetitive and Accurate Analysis of Lignin-Peptide Interactions
			2015A0114	BL40XU	高谷 光	

Acta Crystallographica Section F

37084	Nobuo Okazaki	74 (2018) 741-746	2001A0546	BL41XU	黒木 良太	Crystal Structure of Glycosyltrehalose Synthase from <i>Sulfolobus shibatae</i> DSM5389
			2001B0255	BL41XU	黒木 良太	
37132	Atsushi Ichiyanagi	69 (2013) 130-133	2011B1487	BL38B1	中津 亨	Crystallization and Preliminary Crystallographic Analysis of Two Eukaryotic Fructosyl Peptide Oxidases
			2012A1509	BL38B1	中津 亨	
37241	Asako Yamaguchi	74 (2018) 774-780	2011A1880	BL41XU	多田 俊治	Structures of Endo-1,5- α -L-arabinanase Mutants from <i>Bacillus thermodenitrificans</i> TS-3 in Complex with Arabino-Oligosaccharides
			2011A2035	BL38B1	多田 俊治	
			2012B1031	BL38B1	多田 俊治	
			2013A1272	BL38B1	多田 俊治	
			2015B2060	BL38B1	多田 俊治	

Chemistry of Materials

37184	Masato Goto	30 (2018) 8702-8706	2017B1557	BL02B2	齊藤 高志	Unusual Ferromagnetic Metal: A-Site-Layer-Ordered Double Perovskite YBaCo_2O_6 with Unusually High Valence $\text{Co}^{3.5+}$
37228	Naohisa Okita	30 (2018) 6675-6683	2017A1516	BL01B1	直井 勝彦	Stabilizing the Structure of LiCoPO_4 Nanocrystals via Addition of Fe^{3+} : Formation of Fe^{3+} Surface Layer, Creation of Diffusion-Enhancing Vacancies, and Enabling High-Voltage Battery Operation
37233	Hajime Yamamoto	30 (2018) 6728-6736	2017B1697	BL02B2	山本 孟	$\text{Na}_{1/2}\text{Bi}_{1/2}\text{VO}_3$ and $\text{K}_{1/2}\text{Bi}_{1/2}\text{VO}_3$: New Lead-Free Tetragonal Perovskites with Moderate c/a Ratios

e-Journal of Surface Science and Nanotechnology

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
36960	Yoshimu Iwanami	16 (2018) 396-399	2017A1591	BL46XU	岩波 睦修	HAXPES Study on the Chemical States of Reaction Films Formed on Metal Surfaces by Zinc Dialkyl Dithiophosphate
			2017A1562	BL46XU	安野 聡	
37017	Yuki Koda	16 (2018) 36-40	2017A3231	BL24XU	住田 弘祐	Characterization by Synchrotron-Radiation X-Ray Photoelectron Spectroscopy of NO Adsorption on Rh
			2017B3231	BL24XU	住田 弘祐	
37103	Natee Sirisit	16 (2018) 387-390	2016A7903	BL36XU	朝倉 清高	Evidence for Multi-Atom Resonance X-ray Raman Spectroscopy — An <i>in situ</i> Low Z-element and Bond-specific X-ray Spectroscopy
			2016B7903	BL36XU	朝倉 清高	

The Journal of Biological Chemistry

37104	Masaki Kohno	293 (2018) 16874-16888	2014B2015	BL26B1	伏信 進矢	Structural Features of a Bacterial Cyclic α -maltosyl-(1 \rightarrow 6)-maltose (CMM) Hydrolase Critical for CMM Recognition and Hydrolysis
			2016B2714	BL26B1	伏信 進矢	
			2017A2540	BL26B1	伏信 進矢	
37105	Masayuki Sugiura	293 (2018) 17375-17386	2014B2015	BL26B1	伏信 進矢	Identification, Functional Characterization, and Crystal Structure Determination of Bacterial Levoglucosan Dehydrogenase
			2016B2714	BL26B1	伏信 進矢	
			2017A2540	BL26B1	伏信 進矢	
37236	Atsuhiko Shimada	293 (2018) 14868-14879	2013A6500	BL44XU	山下 栄樹	X-ray Structural Analyses of Azide-Bound Cytochrome <i>c</i> Oxidases Reveal that the H-Pathway is Critically Important for the Proton-Pumping Activity
			2013B6500	BL44XU	山下 栄樹	
			2014A6500	BL44XU	山下 栄樹	
			2014B6500	BL44XU	山下 栄樹	
			2015A6500	BL44XU	山下 栄樹	
			2015B6500	BL44XU	山下 栄樹	
			2016A6500	BL44XU	山下 栄樹	
2016B6500	BL44XU	山下 栄樹				

Journal of Materials Chemistry A

36963	Keiji Shimoda	5 (2017) 6695-6707	2015B1014	BL02B2	小久見 善八	Direct Observation of Layered-to-Spinel Phase Transformation in Li_2MnO_3 and the Spinel Structure Stabilised after the Activation Process
			2016A7601	BL28XU	小久見 善八	
37080	Hiroto Nishihara	6 (2018) 12523-12531	2015A1666	BL14B2	丸山 純	Enhanced Hydrogen Chemisorption and Spillover on Non-Metallic Nickel Subnanoclusters
37145	Lirong Song	6 (2018) 4079-4087	2015A0074	BL02B2	森吉 千佳子	Enhanced Thermoelectric Performance and High-Temperature Thermal Stability of P-type Ag-doped β - Zn_4Sb_3
			理研	BL44B2		

Journal of the Physical Society of Japan

36992	Kotohiro Nomura	87 (2018) 061014	2017A1512	BL01B1	野村 琴広	Solution XAS Analysis for Exploring the Active Species in Homogeneous Vanadium Complex Catalysis
			2016B1509	BL01B1	野村 琴広	
			2016A1455	BL01B1	野村 琴広	
			2015B1308	BL01B1	山添 誠司	
37202	Yojiro Oba	87 (2018) 094004	2016B1790	BL19B2	佐々木 宏和	Imaging Measurement of Neutron Attenuation by Small-Angle Neutron Scattering Using Soler Collimator
37281	Satoshi Tsutsui	88 (2019) 023701	2016B1057	BL09XU	筒井 智嗣	Direct Observation of Sm Valence Fluctuation in a Heavy Fermion Compound $\text{SmOs}_4\text{Sb}_{12}$ via ^{149}Sm Synchrotron-Radiation-Based Mössbauer Spectroscopy
			2017B1275	BL09XU	筒井 智嗣	

Nature Communications

37083	Tomoaki Kumeda	9 (2018) 4378	2016A1287	BL13XU	中村 将志	Effect of Hydrophobic Cations on the Oxygen Reduction Reaction on Single-Crystal Platinum Electrodes
			2017B1293	BL13XU	中村 将志	
37089	Takero Miyagawa	9 (2018) 4635	2015A1062	BL38B1	小手石 泰康	Structural Basis of Gip1 for Cytosolic Sequestration of G Protein in Wide-Range Chemotaxis
			2017A2503	BL26B1	小手石 泰康	
			2017A2553	BL26B1	竹下 浩平	
37133	Fatin Hajaj	9 (2018) 4431	2014B1255	BL45XU	梶谷 孝	Rewriting the Phase Diagram of a Diamagnetic Liquid Crystal by a Magnetic Field
			理研	BL19LXU		
			理研	BL44B2		

Physica Status Solidi B-1

37010	Masakazu Kobayashi	(2018) Online published 18 Oct. 2018	2016B1243	BL47XU	小林 正和	Localized Photoluminescence Imaging of Bi-Layered Cuprous/Cupric Oxide Semiconductor Films by Synchrotron Radiation
			2017A1326	BL20XU	小林 正和	

Physica Status Solidi B-2

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
37138	Shinya Hosokawa	255 (2018) 1800089	2011B4125	BL12B2	細川 伸也	Applications of a L ₁ -Regularized Linear Regression to X-Ray Fluorescence Holography Data of Functional Materials
			2013B4125	BL12B2	細川 伸也	
			2013B1275	BL09XU	細川 伸也	
			2014A1065	BL09XU	細川 伸也	
			2014B1187	BL39XU	細川 伸也	
			2014B4125	BL12B2	細川 伸也	
			2015A4134	BL12B2	細川 伸也	
			2015B1183	BL39XU	細川 伸也	
			2015B4129	BL12B2	細川 伸也	
			2016A1136	BL39XU	細川 伸也	
			2016A4141	BL12B2	細川 伸也	
37139	Jens Rüdiger Stellhorn	255 (2018) 1800093	2014B1187	BL39XU	細川 伸也	Local Structure of FeSe _{0.4} Te _{0.6} by Low-Temperature X-Ray Fluorescence Holography
			2015B1183	BL39XU	細川 伸也	
			2016A1136	BL39XU	細川 伸也	

Physical Review Materials

36928	Takashi Korishi	2 (2018) 105602	2016A1340	BL40B2	小西 隆士	Origin of SAXS Intensity in the Low- <i>q</i> Region during the Early Stage of Polymer Crystallization from Both the Melt and Glassy State
			2017A1497	BL40B2	小西 隆士	
			2015B1192	BL40B2	深尾 浩次	
37038	David Billington	2 (2018) 104413	2014B1008	BL25SU	廣澤 哲	Unmasking the Interior Magnetic Domain Structure and Evolution in Nd-Fe-B Sintered Magnets through High-Field Magnetic Imaging of the Fractured Surface
			2015A1009	BL25SU	廣澤 哲	
			2015B1016	BL25SU	廣澤 哲	
			2016A1008	BL25SU	廣澤 哲	
			2016B1009	BL25SU	廣澤 哲	
37070	Yuki Wakabayashi	2 (2018) 104416	2016B3841	BL23SU	藤森 淳	Cation Distribution and Magnetic Properties in Ultrathin (Ni _{1-x} Co _x)Fe ₂ O ₄ (<i>x</i> = 0-1) Layers on Si(111) Studied by Soft X-ray Magnetic Circular Dichroism

Acta Materialia

37122	Hang Su	159 (2018) 332-343	2016A1199	BL37XU	戸田 裕之	Influence of Hydrogen on Strain Localization and Fracture Behavior in Al-Zn-Mg-Cu Aluminum Alloys
			2016B1081	BL37XU	清水 一行	
37154	KaiKin Wong	155 (2018) 35-42	2015B1066	BL04B2	Chathoth Suresh	Universal Aging Characteristics of Macroscopically and Microscopically Dissimilar Metallic Glasses

Advanced Energy Materials

37182	Ya Tang	8 (2018) 1801772	2015B1123	BL27SU	小林 洋治	Metal-Dependent Support Effects of Oxyhydride-Supported Ru, Fe, Co Catalysts for Ammonia Synthesis
37234	Kei Kubota	8 (2018) 1703415	2016B1876	BL19B2	駒場 慎一	Electrochemistry and Solid-State Chemistry of NaMeO ₂ (Me = 3d Transition Metals)
			2016B1877	BL14B2	駒場 慎一	

Applied Physics Express

36917	Yuki Wakabayashi	11 (2018) 112401	2016A3831	BL23SU	藤森 淳	Improved Adaptive Sampling Method Utilizing Gaussian Process Regression for Prediction of Spectral Peak Structures
37093	Wataru Yashiro	11 (2018) 122501	2015A1525	BL28B2	矢代 航	Millisecond-Order X-ray Phase Tomography with a Fringe-Scanning Method
			2017B1278	BL28B2	矢代 航	
			2015B1263	BL28B2	矢代 航	
			2016A1258	BL28B2	矢代 航	
			2016B1229	BL28B2	矢代 航	

ChemCatChem

37099	Shinya Masuda	10 (2018) 3526-3531	2017A1057	BL01B1	森 浩亮	Simple Route for the Synthesis of Highly Active Bimetallic Nanoparticle Catalysts with Immiscible Ru and Ni Combination by Utilizing a TiO ₂ Support
			2017B1084	BL01B1	森 浩亮	
37239	Shin Yanatake	10 (2018) 4172-4181	2017B1842	BL14B2	中路 洋輔	Selective C-C Hydrogenolysis of Alkylbenzenes to Methylbenzenes with Suppression of Ring Hydrogenation

Chemistry - A European Journal

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
37094	Kazuki Nakatsuka	24 (2018) 898-905	2016A1057	BL01B1	桑原 泰隆	Controlled Pyrolysis of Ni-MOF-74 as a Promising Precursor for the Creation of Highly Active Ni Nanocatalysts in Size-Selective Hydrogenation
			2016A1095	BL01B1	森 浩亮	
			2016B1104	BL01B1	森 浩亮	
37276	David Chukwuma Izuogu	24 (2018) 9285-9294	2017A1872	BL01B1	伊奈 稔哲	Slow Magnetic Relaxation in a Palladium-Gadolinium Complex Induced by Electron Density Donation from the Palladium Ion

Chemistry Letters

37018	Daichi Kato	46 (2017) 1083-1085	2016A1050	BL02B2	陰山 洋	Valence Band Engineering by a Layer Insertion to Sillén-Aurivillius Perovskite Oxyhalides
37219	Sho Nakajima	46 (2017) 711-714	2015A0114	BL27SU	高谷 光	Iron-Catalyzed Methylation of Arylboron Compounds with Iodomethane
			2015A0114	BL14B2	高谷 光	
			2015A0114	BL02B1	高谷 光	
			2015A0114	BL40XU	高谷 光	

Hyperfine Interactions

36934	Ryo Masuda	237 (2016) 43	2011B3501	BL11XU	三井 隆也	Synchrotron Radiation Based Mössbauer Absorption Spectroscopy of Various Nuclides
			2012A3501	BL11XU	三井 隆也	
37114	Satoshi Tsutsui	239 (2018) 50	2015A2036	BL35XU	筒井 智嗣	Precise Determination of Hyperfine Interactions and Second-Order Doppler Shift in ¹⁴⁹ Sm Mössbauer Transition
			2015B1947	BL09XU	筒井 智嗣	
			2016A1281	BL35XU	筒井 智嗣	
			2016B1057	BL09XU	筒井 智嗣	
			2017A1060	BL09XU	筒井 智嗣	
			2017B1275	BL09XU	筒井 智嗣	

IUCrJ

37077	Manuel Maestre-Reyna	5 (2018) 608-618	2016A2507	BL41XU	別所 義隆	Twist and Turn: a Revised Structural View on the Unpaired Bubble of Class II CPD Photolyase in Complex with Damaged DNA
			2017A2576	BL32XU	別所 義隆	
37049	Felix Lehmkuehler	5 (2018) 801-807	2015B8015	BL2	Lehmkuehler Felix	Dynamics of Soft Nanoparticle Suspensions at Hard X-ray FEL Sources Below the Radiation-Damage Threshold

Journal of Astronomical Telescopes, Instruments, and Systems

37155	Hideyuki Mori	4 (2018) 011210	2015B1392	BL20B2	粟木 久光	On-ground Calibration of the Hitomi Hard X-ray Telescopes
			2009A0088	BL20B2	國枝 秀世	
37156	Hironori Matsumoto	4 (2018) 011212	2015B1392	BL20B2	粟木 久光	Inorbit Performance of the Hard X-ray Telescope (HXT) on Board the Hitomi (ASTRO-H) Satellite
			2009A0088	BL20B2	國枝 秀世	

The Journal of Physical Chemistry B

37003	Mitsuhiro Hirai	122 (2018) 9482-9489	2014A1062	BL40B2	平井 光博	Preferential Intercalation of Human Amyloid-β Peptide into Interbilayer Region of Lipid-Raft Membrane in Macromolecular Crowding Environment
			2015A1557	BL40B2	平井 光博	
37273	Mitsuhiro Hirai	122 (2018) 11962-11968	2017A1435	BL40B2	平井 光博	Restoration of Myoglobin Native Fold from Its Initial State of Amyloid Formation by Trehalose

Journal of Power Sources

37116	Yasushi Idemoto	410-411 (2019) 38-44	2014A1278	BL02B2	井手本 康	Average, Electronic, and Local Structures of LiMn _{2-x} Al _x O ₄ in Charge-Discharge Process by Neutron and Synchrotron X-ray
			2014B1457	BL02B2	井手本 康	
			2013B1120	BL02B2	井手本 康	
			2014B1932	BL14B2	井手本 康	
			2013A1631	BL14B2	井手本 康	
			2013B1549	BL14B2	井手本 康	
37245	Mozaffar Abdollahifar	412 (2019) 545-551	2017B4141	BL12B2	Wu Nae-Lih	Tetragonal LiMn ₂ O ₄ as Dual-Functional Pseudocapacitor-Battery Electrode in Aqueous Li-Ion Electrolytes
			2018A4129	BL12B2	Wu Nae-Lih	
			2018B4125	BL12B2	Wu Nae-Lih	

Journal of Synchrotron Radiation

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
37075	Koji Ohara	25 (2018) 1627-1633	2016A1841	BL04B2	尾原 幸治	Time-Resolved Pair Distribution Function Analysis of Disordered Materials on Beamlines BL04B2 and BL08W at SPring-8
			2017A1217	BL08W	尾原 幸治	
			2017A1855	BL04B2	尾原 幸治	
			2017B1847	BL08W	尾原 幸治	
37076	Amane Kobayashi	25 (2018) 1803-1818	2016B3201	BL24XU	高山 裕貴	Diffraction Apparatus and Procedure in Tomography X-ray Diffraction Imaging for Biological Cells at Cryogenic Temperature using Synchrotron X-ray Radiation
			理研	BL29XU		

Langmuir

37142	Mina Sakuragi	34 (2018) 12635-12641	2017B1216	BL40B2	櫻木 美菜	Deep Eutectic Solvent-Induced Structural Transition of Microemulsions Explored with Small-Angle X-ray Scattering
37262	Kouki Tokumasu	32 (2016) 527-533	2015B1292	BL37XU	原田 誠	X-ray Fluorescence Imaging of Frozen Aqueous NaCl Solutions

Microscopy

37090	Tomofumi Kurogane	67 (2018) i34	2015B1556	BL20B2	唐原 一郎	Observation of Arabidopsis Roots Using X-ray Micro Computed Tomography
			2014A1265	BL20XU	峰雪 芳宣	
			2014B1225	BL20B2	唐原 一郎	
			2016A1390	BL47XU	峰雪 芳宣	
37091	Kimitaka Sasaki	67 (2018) i34	2015B1556	BL20B2	唐原 一郎	Three-Dimensional Morphological Analysis of Supporting Tissues in the Dried Peduncle of Arabidopsis by X-ray Micro-CT
			2014A1265	BL20XU	峰雪 芳宣	
			2014B1225	BL20B2	唐原 一郎	
			2016A1390	BL47XU	峰雪 芳宣	
			2017B1225	BL20B2	山内 大輔	

Microscopy and Microanalysis

37183	Yanlin Wu	24 (2018) 224-225	2016B1147	BL20XU	高野 秀和	X-Ray Phase Nano-tomography by FZP-based X-Ray Microscopy Combined with Talbot Interferometry
			2017A1288	BL37XU	高野 秀和	
			2017B1361	BL37XU	高野 秀和	
37191	Masato Hoshino	24 (2018) 130-131	2015B1508	BL20B2	築部 卓郎	Improvement of Scanning Procedure for 4D-X-ray Phase Tomography
			2016A1165	BL20B2	築部 卓郎	
			2016B1293	BL20B2	星野 真人	
			2017A1371	BL20B2	星野 真人	
			2017B1344	BL20B2	星野 真人	
			2017B1163	BL20B2	築部 卓郎	

Organohalogen Compounds

37029	Kota Mukai	79 (2017) 114-117	2015B1256	BL01B1	藤森 崇	Quantification of Total Organohalogens (TOX) in Environmental Solid Samples by Using Combustion-Ion Chromatography
			2016B1207	BL01B1	藤森 崇	
37030	Asako Toda	78 (2016) 664-667	2015B1256	BL01B1	藤森 崇	Chlorine and Copper Analyses to the Effect of the Molecular Structure of Carbon on the Mechanism of Chlorination

RSC Advances

36989	Wei-Kai Huang	7 (2017) 4912-4920	2015A4255	BL12XU	Hsu I Jui	Cross C-S Coupling Reaction Catalyzed by Copper(I) N-heterocyclic Carbene Complexes
37240	Noboru Osaka	8 (2018) 40570-40580	2017A1153	BL40B2	大坂 昇	Influence of Lithium Salt-Induced Phase Separation on Thermal Behaviors of Poly(vinylidene fluoride)/Ionic Liquid Gels and Pore/Void Formation by Competition with Crystallization

Topics in Catalysis

36885	Shun Hayashi	61 (2018) 136-141	2016B0908	BL01B1	若林 裕助	Doping a Single Palladium Atom into Gold Superatoms Stabilized by PVP: Emergence of Hydrogenation Catalysis
			2017A1492	BL01B1	山添 誠司	
37106	Takuya Masuda	61 (2018) 2103-2113	2013B3601	BL14B1	増田 卓也	Various Spectroelectrochemical Cells for in situ Observation of Electrochemical Processes at Solid-Liquid Interfaces
			2013B4601	BL15XU	増田 卓也	
			2012B4605	BL15XU	増田 卓也	
			2012A4611	BL15XU	増田 卓也	
			2011B4609	BL15XU	増田 卓也	

ACS Applied Materials & Interfaces

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
37223	Yugo Kubo	10 (2018) 44589-44602	2017A5030	BL16XU	久保 優吾	Fabrication of a Bilayer Structure of Cu and Polyimide to Realize Circuit Microminiaturization and High Interfacial Adhesion in Flexible Electronic Devices
			2017B1801	BL46XU	久保 優吾	
			2017B1928	BL46XU	久保 優吾	
			2017B5030	BL16XU	久保 優吾	
			2018A5030	BL16XU	久保 優吾	

ACS Nano

37111	Shingo Maruyama	12 (2018) 10509-10517	2016A1672	BL46XU	鳥屋部 果穂	Ionic Conductivity in Ionic Liquid Nano Thin Films
			2015A1705	BL46XU	小金澤 智之	
			2015A1845	BL46XU	渡邊 光	
			2016B1784	BL46XU	鳥屋部 果穂	
			2017A0136	BL46XU	宮寺 哲彦	

Acta Crystallographica Section A

37055	Yoshinori Ohmasa	74 (2018) 681-698	2008B1426	BL40B2	千葉 文野	Intensity Distribution Profile of Double Bragg Scattering in the Small-Angle Region from Highly Oriented Pyrolytic Graphite
			2009B1229	BL40B2	千葉 文野	

Advanced Materials

37027	Tetsuya Asano	30 (2018) 1803075	2017A5120	BL16XU	山田 周吾	Solid Halide Electrolytes with High Lithium-Ion Conductivity for Application in 4 V Class Bulk-Type All-Solid-State Batteries
			2017B5120	BL16XU	山田 周吾	
			2018A5120	BL16XU	山田 周吾	

Advanced Sustainable Systems

36876	Juyoung Kim	2 (2018) 1800067	2016A3621	BL14B1	金 允護	Electrical and Crystallographic Study of an Electrothermodynamic Cycle for a Waste Heat Recovery
			2017A3640	BL14B1	金 允護	
			2017B3612	BL14B1	福田 竜生	

AIP Advances

36961	Haruhiro Hiraka	8 (2018) 101424	2011B3618	BL14B1	平賀 晴弘	Effects of Fe Doping on Anomalous Specific Heat and XAFS Oscillation in Antiferromagnetic Metal Mn ₃ Si
			2012A3616	BL14B1	平賀 晴弘	
			2012B3624	BL14B1	平賀 晴弘	

American Mineralogist

37203	Seiji Kamada	103 (2018) 1959-1965	2013A1496	BL10XU	大谷 栄治	Electronic Properties and Compressional Behavior of Fe-Si Alloys at High Pressure
			2013A3513	BL11XU	大谷 栄治	
			2013B0104	BL10XU	大谷 栄治	
			2013B3517	BL11XU	大谷 栄治	
			2014A1910	BL10XU	平尾 直久	
			2014A3516	BL11XU	大谷 栄治	
			2014B3519	BL11XU	大谷 栄治	

Applied Catalysis B

36927	Luong Xuan Dien	241 (2019) 539-547	2016A1521	BL14B2	村山 美乃	Supported Gold Cluster Catalysts Prepared by Solid Grinding using a Non-Volatile Organogold Complex for Low-Temperature CO Oxidation and the Effect of Potassium on Gold Particle Size
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Applied Surface Science

37278	Shoji Yamajo	473 (2019) 627-632	2016A1219	BL47XU	重川 直輝	Hard X-ray Photoelectron Spectroscopy Investigation of Annealing Effects on Buried Oxide in GaAs/Si Junctions by Surface-Activated Bonding
			2017A1005	BL47XU	重川 直輝	

Biochemical and Biophysical Research Communications

37110	Yoshiki Tanaka	505 (2018) 141-145	2016A2532	BL32XU	塚崎 智也	2.8-Å Crystal Structure of <i>Escherichia coli</i> YidC Revealing All Core Regions, Including Flexible C2 Loop
			2017A2557	BL32XU	塚崎 智也	

Biochimie

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
37176	Tetsuya Masuda	157 (2019) 57-63	2009A1096	BL38B1	梶田 哲哉	Subatomic Structure of Hyper-Sweet Thaumatin D21N Mutant Reveals the Importance of Flexible Conformations for Enhanced Sweetness
			2009B1379	BL26B1	梶田 哲哉	
			2011B1073	BL26B1	梶田 哲哉	
			2012A1048	BL26B1	梶田 哲哉	
			2012B1067	BL26B1	梶田 哲哉	
			2013A1053	BL26B1	梶田 哲哉	
			2013A1175	BL26B1	三上 文三	
			2013B1069	BL26B1	梶田 哲哉	
			2013B1223	BL26B1	三上 文三	
			2013B1373	BL26B1	三上 文三	
			2014A1063	BL26B1	梶田 哲哉	
			2014B1181	BL26B1	梶田 哲哉	
			2014B2020	BL26B2	梶田 哲哉	
			2015A1037	BL26B1	梶田 哲哉	
			2016A2548	BL26B1	梶田 哲哉	
2016A2552	BL38B1	梶田 哲哉				
2017A2511	BL26B1	梶田 哲哉				
2017A2526	BL38B1	梶田 哲哉				

Bioconjugate Chemistry

37164	Noriko Miyamoto	28 (2017) 565-573	2015B1290	BL40B2	櫻井 和朗	Adjuvant Activity Enhanced by Cross-Linked CpG-Oligonucleotides in β -Glucan Nanogel and Its Antitumor Effect
			2016A1242	BL40B2	櫻井 和朗	

Biomaterialization

37161	Takenori Sasaki	(2018) 83-93	2015B1833	BL20B2	佐々木 猛智	3D Visualization of Calcified and Non-calcified Molluscan Tissues Using Computed Tomography
			2016A1706	BL20B2	佐々木 猛智	
			2017A1720	BL20B2	佐々木 猛智	
			2017B1767	BL20B2	佐々木 猛智	

Carbohydrate Polymers

36980	Akane Kageyama	204 (2019) 104-110	2014A1816	BL19B2	湯口 宣明	Structural Characterization of Enzymatically Synthesized Glucan Dendrimers
			2015A1848	BL19B2	湯口 宣明	
			2016A1787	BL19B2	湯口 宣明	

Carbon

37100	Hua-Shu Hsu	140 (2018) 10-16	2017A4135	BL12B2	Hsu Hua-Shu	Manipulation of the Magneto-Optical Properties of a Co/C Heterostructure under an Applied Voltage
			2017B4134	BL12B2	Hsu Hua-Shu	
			2018A4138	BL12B2	Hsu Hua-Shu	

Cell Reports

37157	Go Kasuya	14 (2016) 932-944	2015B2019	BL41XU	服部 素之	Structural Insights into Divalent Cation Modulations of ATP-Gated P2X Receptor Channels
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ChemBioChem

37057	Bing O' Dowd	18 (2017) 914-920	2015B1134	BL09XU	Wang Hongxin	Spectroscopic and Computational Investigations of Ligand Binding to IspH: Discovery of Non-diphosphate Inhibitors
			2017A1115	BL19LXU	Wang Hongxin	
			2013B0103	BL09XU	Cramer Stephen	

Chemical Communications

36888	Shingo Hasegawa	54 (2018) 5915-5918	2016B0908	BL01B1	若林 裕助	Prominent Hydrogenation Catalysis of a PVP-Stabilized Au ₃₄ Superatom Provided by Doping a Single Rh Atom
			2016B0908	BL37XU	若林 裕助	

Chemical Physics Letters

36877	Elahe K. Astani	672 (2017) 80-88	2015A4000	BL12B2	Chen Chun Jung	Molecular Interactions Investigated with DFT Calculations of QTAIM and NBO Analyses: An Application to Dimeric Structures of Rice α -amylase/subtilisin Inhibitor
			2015A4012	BL12B2	Chen Chun Jung	

The Chemical Record

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
37204	Hirosuke Matsui	(2018) Online published 30 Oct. 2018	2011A1537	BL47XU	唯 美津木	<i>Operando</i> XAFS Imaging of Distribution of Pt Cathode Catalysts in PEFC MEA
			2011B1015	BL01B1	横山 利彦	
			2013B7822	BL36XU	唯 美津木	
			2014A7821	BL36XU	唯 美津木	
			2014B7821	BL36XU	唯 美津木	
			2015A7821	BL36XU	唯 美津木	
			2015B7821	BL36XU	唯 美津木	
			2016A7821	BL36XU	松井 公佑	
			2016A7822	BL36XU	松井 公佑	
			2016B7821	BL36XU	唯 美津木	
			2016B7822	BL36XU	唯 美津木	
2017A7820	BL36XU	唯 美津木				
2017B7820	BL36XU	唯 美津木				

Chemical Science

37244	Yusuke Ide	9 (2018) 8637-8643	2016B3782	BL22XU	富中 悟史	Zeolitic Intralayer Microchannels of Magadite, a Natural Layered Silicate, to Boost Green Organic Synthesis
			2017A3751	BL22XU	町田 晃彦	
			2017A1207	BL08W	富中 悟史	

Chemistry - An Asian Journal

37097	Kohsuke Mori	13 (2018) 1348-1356	2017A1057	BL01B1	森 浩亮	Ruthenium(II)-Bipyridine/NanoC ₃ N ₄ Hybrids: Tunable Photochemical Properties by Using Exchangeable Alkali Metal Cations
			2017B1084	BL01B1	森 浩亮	

ChemSusChem

37190	Donglin Han	11 (2018) 4102-4113	2017A1797	BL05XU	平岩 千尋	Detrimental Effect of Sintering Additives on Conducting Ceramics: Yttrium-Doped Barium Zirconate
			2015A5330	BL16B2	上村 重明	

Communications Biology

36890	Menega Ganasen	1 (2018) 120	2015A1120	BL32XU	杉本 宏	Structural Basis for Promotion of Duodenal Iron Absorption by Enteric Ferric Reductase with Ascorbate
			2016A2571	BL32XU	杉本 宏	
			2017A2575	BL32XU	杉本 宏	
			2018A2576	BL32XU	杉本 宏	

Crystal Growth & Design

37060	Takeo Ohsawa	18 (2018) 5824-5831	2015B4604	BL15XU	大澤 健男	Electronic Transport Properties Governed by Polarity Control through Tailoring of ZnO Bilayer Structures
			2016A4603	BL15XU	大澤 健男	
			2014B4604	BL15XU	大澤 健男	

Dalton Transactions

36938	Tomohiro Sugahara	47 (2018) 13318-13322	2016B1716	BL02B1	菅原 知紘	The Selective Formation of a 1,2-disilabenzene from the Reaction of a Disilyne with Phenylacetylene
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EBioMedicine

37112	Yumi Takiyama	36 (2018) 329-346	2012B1772	BL20XU	滝山 由美	Impacts of Diabetes and an SGLT2 Inhibitor on the Glomerular Number and Volume in <i>db/db</i> Mice, as Estimated by Synchrotron Radiation Micro-CT at SPring-8
			2013A1655	BL20B2	滝山 由美	
			2013B1739	BL20B2	滝山 由美	
			2015A1878	BL20B2	滝山 由美	

ECS Transactions

37053	Koji Usuda	86 (2018) 411-418	2016A5060	BL16XU	白田 宏治	High-Sn Concentration MOCVD-Grown Strained GeSn Thin Films Evaluated Using HAXPES and XRD Base on Synchrotron Technique
			2016B5060	BL16XU	白田 宏治	
			2017A5060	BL16XU	白田 宏治	
			2017B5060	BL16XU	吉木 昌彦	

Electrochemistry

36996	Masahiko Saito	85 (2017) 266-271	2016A1768	BL46XU	尾坂 格	Synthesis and Characterization of an Alkoxythiazole-thiazolothiazole Semiconducting Polymer for Organic Solar Cells
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European Journal of Organic Chemistry

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
37199	Hiroki Miura	2018 (2018) 1858-1862	2016B1224	BL01B1	三浦 大樹	Hydrosilylation of Allenes Over Palladium-Gold Alloy Catalysts: Enhancing Activity and Switching Selectivity by the Incorporation of Palladium into Gold Nanoparticles

Frontiers in Earth Science

37086	Kenji Ohta	6 (2018) 176	2014A0080	BL10XU	廣瀬 敬	An Experimental Examination of Thermal Conductivity
			2017A0072	BL10XU	廣瀬 敬	Anisotropy in <i>hcp</i> Iron

IEICE Transactions on Electronics

36995	Yusuke Kato	E100-C (2017) 468-474	2014A0109	BL47XU	宮崎 誠一	Embedding of Ti Nanodots into SiO _x and Its Impact on Resistance Switching Behaviors
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Inorganic Chemistry

37071	Michaela R. Carlson	57 (2018) 1988-2001	2015B1134	BL09XU	Wang Hongxin	Sterically Stabilized Terminal Hydride of a Diiron Dithiolate
			2016B1347	BL09XU	Wang Hongxin	
			2013B0103	BL09XU	Cramer Stephen	
			2016A1154	BL09XU	Wang Hongxin	
			2017A1115	BL19LXU	Wang Hongxin	

Inorganics

36879	Takahiro Sasamori	6 (2018) 68	2018A1405	BL40XU	箕浦 真生	Synthesis of Ferrocenyl-Substituted Organochalcogenyldichlorogermanes
			2018A1167	BL40XU	笹森 貴裕	
			2017B1179	BL40XU	笹森 貴裕	
			2017A1647	BL40XU	鈴木 裕子	

Intermetallics

36892	Xi Li	102 (2018) 120-131	2013B1157	BL04B1	Liss Klaus Dieter	Lattice Parameter Evolution during Heating of Ti-45Al-7.5Nb-0.25/0.5C Alloys under Atmospheric and High Pressures
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International Journal of Pharmaceutics

37165	Tomonobu Uchino	555 (2019) 259-269	2014B1431	BL40B2	内野 智信	Study on the Drug Permeation Mechanism from Flurbiprofen-Loaded Glyceryl Monooleyl Ether-Based Lyotropic Liquid Crystalline Nanoparticles across the Skin: Synchrotron X-ray Diffraction and Confocal Laser Scanning Microscopy Study
			2015A1650	BL40B2	内野 智信	
			2015B1197	BL40B2	内野 智信	
			2016A1215	BL40B2	内野 智信	

Journal of Applied Crystallography

37141	Jens Rüdiger Stellhorn	50 (2017) 1583-1589	2015A0116	BL13XU	林 好一	A Valence-Selective X-ray Fluorescence Holography Study of an Yttrium Oxide Thin Film
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The Journal of Biochemistry

37004	Jung-Wei Chang	164 (2018) 329-339	2015A1102	BL41XU	深井 周也	Crystal Structure of the Central and the C-Terminal RNase Domains of Colicin D Implicated its Translocation Pathway through Inner Membrane of Target Cell
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Journal of Catalysis

37229	Wan-Ting Chen	367 (2018) 27-42	2014B1065	BL01B1	Waterhouse Geoffrey	Performance Comparison of Ni/TiO ₂ and Au/TiO ₂ Photocatalysts for H ₂ Production in Different Alcohol-Water Mixtures
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Journal of Geophysical Research

37011	Konstantin D. Litasov	122 (2017) 3574-3584	2012B1289	BL04B1	Litasov Konstantin	Equations of State of Iron Nitrides ϵ -Fe ₃ N ₄ and γ -Fe ₄ N ₇ to 30 GPa and 1200 K and Implication for Nitrogen in the Earth's Core
			2011B1091	BL04B1	Litasov Konstantin	
			2010B1211	BL04B1	Litasov Konstantin	

Journal of Hazardous Materials

36981	Haruko Hase	329 (2017) 49-56	2014A3613	BL14B1	矢板 毅	A Novel Method for Remediation of Nickel Containing Wastewater at Neutral Conditions
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Journal of Instrumentation

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
36926	Kazushi Sumitani	13 (2018) C09002	2016B1972	BL13XU	隅谷 和嗣	Development of Compound Refractive Lenses Made of Quartz Glass Designed for Microdiffraction System at BL13XU in SPring-8
			2017A1859	BL13XU	隅谷 和嗣	
			2017B1961	BL13XU	隅谷 和嗣	

Journal of Material Sciences

37016	Junji Yamamoto	54 (2019) 139-148	2017B1175	BL04B1	芳野 極	Thermal Expansion of Natural Mantle Spinel using in situ Synchrotron X-ray Powder Diffraction
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Journal of Materials Chemistry C

37032	Shujun Ye	6 (2018) 2962-2969	2016A1404	BL25SU	佐橋 政司	Inserted Metals for Low-Energy Magnetoelectric Switching in a Cr ₂ O ₃ /Ferromagnet Interfacial Exchange-Biased Thin Film System
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Journal of Photochemistry and Photobiology A: Chemistry

37096	Miriam Navlani-Garcia	358 (2018) 327-333	2017A1057	BL01B1	森 浩亮	Visible-Light-Enhanced Catalytic Activity of Ru Nanoparticles over Carbon Modified g-C ₃ N ₄
			2017B1084	BL01B1	森 浩亮	

The Journal of Physical Chemistry A

37211	Fumiko Kimura	122 (2018) 9123-9127	2017B4001	BL12B2	木村 恒久	Determination of the Anisotropic Rotational Diffusion Constant of Microcrystals Dispersed in Liquid Medium
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Journal of Physics: Condensed Matter

36993	Masanori Inui	30 (2018) 455101	2014B1192	BL04B2	末國 晃一郎	Static and Dynamic Structures of Liquid Ba ₈ Ga ₁₆ Sn ₃₀ : a Melt of the Thermoelectric Clathrate Compounds
			2015A1192	BL35XU	乾 雅祝	
			2016B1116	BL04B2	乾 雅祝	
			2016B1117	BL35XU	乾 雅祝	
			2017B1206	BL35XU	乾 雅祝	
			2017B1205	BL04B2	乾 雅祝	

Journal of Polymer Science Part A: Polymer Chemistry

37282	Yuuya Nagata	57 (2019) 260-263	2015A1179	BL40B2	寺尾 憲	A Bidirectional Screw-Sense Induction of Poly(quinoxaline-2,3-diy)s that Depends on the Degree of Polymerization
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Journal of the American Ceramic Society

37235	Kenji Shinozaki	(2018) Online published 22 Oct. 2018	2017B1008	BL14B2	篠崎 健二	Effect of Mg ²⁺ and Fluorine on the Network and Highly Efficient Photoluminescence of Eu ³⁺ Ion in MgF ₂ -BaO-B ₂ O ₃ Glasses
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Journal of the Ceramic Society of Japan

37117	Kotaro Fujii	126 (2018) 852-859	2015B1901	BL19B2	藤井 孝太郎	Discovery and Development of BaNdInO ₄ — A Brief Review —
			2012B1696	BL19B2	尾本 和樹	
			2013B1718	BL19B2	伊藤 孝憲	
			2014A1510	BL19B2	伊藤 孝憲	
			2014B1660	BL19B2	藤井 孝太郎	
			2014B1922	BL19B2	藤井 孝太郎	
			2015B1596	BL19B2	藤井 孝太郎	
			2015A1674	BL19B2	藤井 孝太郎	
			2016A1616	BL02B2	日比野 圭佑	

Journal of the Japan Petroleum Institute

36991	Kotohiro Nomura	61 (2018) 282-287	2017A1315	BL25SU	平野 雅文	Solution XAS Analysis of Various (Imido)vanadium(V) Dichloride Complexes Containing Monodentate Anionic Ancillary Donor Ligands: Effect of Aluminium Cocatalyst in Ethylene/Norbomene (Co)polymerization
			2016B1509	BL01B1	野村 琴広	
			2016A1455	BL01B1	野村 琴広	

Key Engineering 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
37160	Kosuke Suzuki	790 (2018) 15-19	2015B1171	BL08W	鈴木 宏輔	Modification of Electronic Structures with Lithium Intercalation in $\text{Li}_x\text{Mn}_2\text{O}_4$ ($x = 0$ and 1) Studied by CRYSTAL14 Calculation Code
			2012B1470	BL08W	鈴木 宏輔	
			2014B1335	BL08W	鈴木 宏輔	

Lab on a Chip

37087	Kazuma Mawatari	18 (2018) 1259-1264	2015B1097	BL04B2	馬渡 和真	Nano X-ray Diffractometry Device for Nanofluidics
			2016A1240	BL04B2	馬渡 和真	
			2016B1087	BL04B2	馬渡 和真	

Lichenology

37039	Emi Kawasaki	16 (2017) 136	2015B1827	BL43IR	河崎 衣美	Analysis for Component Distribution of Lichens on Stone Cultural Heritage by Microscopic Infrared Spectroscopy: Case of Angkor Monuments in Cambodia
			2016B1816	BL43IR	河崎 衣美	

Light: Science & Applications

37125	Yan-Min Yang	7 (2018) 88	2017B1309	BL02B2	Sun Hong-Tao	X-ray-activated Long Persistent Phosphors Featuring Strong UVC Afterglow Emissions
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Macromolecular Rapid Communications

37237	Tomoki Nishimura	39 (2018) 1800384	2017B1089	BL40B2	西村 智貴	Synthesis and Characterization of Shell-Cross-Linked Glycopolymer Bilayer Vesicles
			2017A1241	BL40B2	西村 智貴	

Materialia

37118	Takumi Nishioka	3 (2018) 256-259	2015A0116	BL39XU	林 好一	In-Plane Positional Correlations among Dopants in 10H Type Long Period Stacking Ordered $\text{Mg}_{75}\text{Zn}_{10}\text{Y}_{15}$ Alloy Studied by X-ray Fluorescence Holography
			2014B1296	BL13XU	林 好一	
			2014B1289	BL39XU	林 好一	
			2014A1172	BL39XU	林 好一	

Materials Chemistry Frontiers

37180	Shigesaburo Ogawa	2 (2018) 2191-2200	2015A7204	BL03XU	高橋 功	Self-Organisation and Characterisation of Hierarchical Structures in Trimethyl β -Cyclodextrin Nano-Films
			2015B7254	BL03XU	高橋 功	

Materials Research Express

37137	Xiaofan Yang	6 (2019) 016003	2017B4133	BL12B2	久保園 芳博	Preparation and Characterization of a New Metal-Intercalated Graphite Superconductor
			2018A4132	BL12B2	久保園 芳博	

Materials Science and Engineering A

37120	Meysam Hassanipour	738 (2018) 229-237	2015A0076	BL20XU	戸田 裕之	Short Crack Growth Behavior and its Transitional Interaction with 3D Microstructure in Ti-6Al-4V
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Materials Science Forum

37277	Shigeru Kimura	941 (2018) 1123-1126	2017B1207	BL40XU	木村 滋	Measurement of Thermal Expansion Coefficient of MgZnY Alloys with Synchronized Long-Period Stacking Ordered Phase
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Materials Transactions

37123	Hongye Gao	59 (2018) 1532-1535	2016A1199	BL37XU	戸田 裕之	Evolution Behavior of Hydrogen-Induced Nano Voids in Al-Zn-Mg-Cu Aluminum Alloys under Loading
			2016B1081	BL37XU	清水 一行	

Matter and Radiation at Extremes

37266	Tatiana Pikuz	3 (2018) 197-206	2014A8045	BL3	尾崎 典雅	Development of New Diagnostics Based on LiF Detector for Pump-Probe Experiments
			2014B8068	BL3	尾崎 典雅	

Metallurgical and Materials Transactions A

37121	Md. Shahnewaz Bhuiyan	49 (2018) 5368-5381	2013B1324	BL20XU	戸田 裕之	The Role of Hydrogen on the Local Fracture Toughness Properties of 7XXX Aluminum Alloys
			2014A1018	BL20XU	戸田 裕之	
			2014B1157	BL20XU	戸田 裕之	

Meteoritics and Planetary 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
37205	Katherine H. Joy	50 (2015) 1157-1172	2014B0113	BL37XU	Zolensky Michael	Identification of Magnetite in Lunar Regolith Breccia 60016: Evidence for Oxidized Conditions at the Lunar Surface

Methods in Enzymology

37072	Leland B. Gee	599 (2018) 409-425	2013B0103	BL09XU	Cramer Stephen	NRVS for Fe in Biology: Experiment and Basic Interpretation
			2017A0141	BL09XU	Cramer Stephen	
			2017A1115	BL19LXU	Wang Hongxin	

Nanomaterials

37179	Hirofumi Kishi	8 (2018) 965	2014B1881	BL14B2	岸 浩史	Structure of Active Sites of Fe-N-C Nano-Catalysts for Alkaline Exchange Membrane Fuel Cells
			2015A1953	BL14B2	岸 浩史	
			2015B1889	BL14B2	岸 浩史	
			2014B1886	BL46XU	岸 浩史	

Nanotechnology

37081	Richard Hönig	30 (2019) 025702	2017B1314	BL17SU	Westphal Carsten	Structural, Chemical, and Magnetic Properties of Cobalt Intercalated Graphene on Silicon Carbide
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Nature Materials

37143	Hidetaka Kasai	17 (2018) 249-252	2014A0078	BL02B1	Iversen Bo	X-ray Electron Density Investigation of Chemical Bonding in van der Waals Materials
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Nucleic Acids Research

36886	Gaoge Xu	46 (2018) 9276-9288	2015A4004	BL12B2	Chou Shan-Ho	Signaling Specificity in the c-di-GMP-Dependent Network Regulating Antibiotic Synthesis in <i>Lysobacter</i>
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Optics Express

36902	Masanori Miyagi	26 (2018) 22626-22636	2014A3782	BL22XU	川人 洋介	X-ray Phase Contrast Observation of Solidification and Hot Crack Propagation in Laser Spot Welding of Aluminum Alloy
			2014B3781	BL22XU	川人 洋介	

Physica C

37275	Shang Li	555 (2018) 45-53	2014A3621	BL14B1	池内 和彦	Local Structure Study of the Iron-based Systems of BaFe ₂ As ₂ and LiFeAs by X-ray PDF and XAFS Analyses
			2015A3621	BL14B1	池内 和彦	

Physica Status Solidi A

37274	Gen Kamada	216 (2019) 1800539	2015A1278	BL17SU	吹留 博一	Element- and Site-Specific- Many-Body Interactions in Few-Layer MoS ₂ During X-Ray Absorption Processes
			2015A1865	BL25SU	吹留 博一	
			2015B1199	BL25SU	吹留 博一	

Physica Status Solidi - Rapid Research Letters

37033	Tomohiro Nozaki	12 (2018) 1800366	2015B1006	BL39XU	佐橋 政司	Manipulation of Antiferromagnetic Spin Using Tunable Parasitic Magnetization in Magnetolectric Antiferromagnet
			2016A1404	BL25SU	佐橋 政司	
			2016A1030	BL39XU	佐橋 政司	

Physical Chemistry Chemical Physics

37178	Takuya Mori	18 (2016) 13524-13529	2011A1021	BL14B2	内本 喜晴	Anti-Site Mixing Governs the Electrochemical Performances of Olivine-Type MgMnSiO ₄ Cathodes for Rechargeable Magnesium Batteries
			2011B1029	BL02B2	内本 喜晴	
			2012A1021	BL47XU	内本 喜晴	
			2012A1022	BL02B2	内本 喜晴	
			2015B1017	BL01B1	小久見 善八	

Physical Review C

37092	Akihiro Yoshimi	97 (2018) 024607	2014A1334	BL09XU	吉村 浩司	Nuclear Resonant Scattering Experiment with Fast Time Response: Photonuclear Excitation of ²⁰¹ Hg
			2014B1524	BL09XU	吉村 浩司	
			2015B1380	BL09XU	吉村 浩司	
			2016A1420	BL09XU	吉村 浩司	
			2016B1232	BL09XU	吉村 浩司	

Physics and Chemistry of Glasses: European Journal of Glass Science and Technology 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
37034	Masanori Suzuki	59 (2018) 181-192	2014B1814	BL04B2	大窪 貴洋	Structural Behaviour of Vanadium Ions in Alkali Borosilicate Glass for Nuclear Waste Storage
			2015B1969	BL14B2	橋本 拓	
			2015B1819	BL04B2	梅咲 則正	

PLoS One

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
36870	Yoshiaki Furukawa	13 (2018) e0204355	2015A1122	BL26B2	當倉 武彦	Identification of a Novel Zinc-Binding Protein, C1orf123, as an Interactor with a Heavy Metal-associated Domain

Polymer

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
37265	Kazuaki Rikiyama	156 (2018) 102-110	2017B1359	BL40B2	真田 雄介	Micellization of Poly(ethylene oxide)-poly(propylene oxide) Alternating Multiblock Copolymers in Water

Polymer Bulletin

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
37187	Mina Sakuragi	61 (2008) 107-117	2006A1510	BL40B2	櫻井 和朗	Entrapment of Immature Amyloid Protofilaments in the Hydrophobic Domain of Schizophyllan

Polymer Crystallization

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
			2015A1738	BL19B2	松葉 豪	
			2013B1622	BL19B2	松葉 豪	
			2017B1644	BL19B2	松葉 豪	
			2017B1108	BL40B2	松葉 豪	
2012A1107	BL40B2	松葉 豪				

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
			2014B1069	BL40XU	篠原 佑也	
			2014A1287	BL20XU	増井 友美	
			2014A7209	BL03XU	篠原 佑也	
			2014B1490	BL20XU	増井 友美	
			2014B7259	BL03XU	篠原 佑也	
			2015A1625	BL20XU	増井 友美	
			2015A7209	BL03XU	篠原 佑也	
			2015B1425	BL20XU	増井 友美	
			2015B7259	BL03XU	篠原 佑也	
			2016A1368	BL20XU	増井 友美	
			2016A7209	BL03XU	篠原 佑也	
2016B1512	BL20XU	岸本 浩通				
2016B7259	BL03XU	篠原 佑也				

Proceedings of 28th International Symposium on Transport Phenomena

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
37185	Tadafumi Daitoku	(2017) USB-23	2015B1432	BL20B2	大徳 忠史	International Visualization of Wooden Biomass during Nonstationary Pyrolysis Using Ultrahigh-Speed X-ray CT

Proceedings of the International Thermal Spray Conference and Exposition (ITSC 2017)

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
36907	Ye Yun	(2017) 1045-1048	2012B3788	BL22XU	深田 晋吾	A Novel Way to Analyze the Residual Strain and Stress in Cold-Sprayed Coatings

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	ビームライン	実験責任者	タイトル
			2013A1869	BL41XU	竹田 一旗	
			2013B1363	BL41XU	竹田 一旗	
			2014A1365	BL41XU	竹田 一旗	
			2016B2709	BL41XU	竹田 一旗	
			2017B2728	BL41XU	竹田 一旗	
			2014B6950	BL44XU	三木 邦夫	
			2015B6543	BL44XU	三木 邦夫	
2016A6642	BL44XU	三木 邦夫				
2017A6752	BL44XU	三木 邦夫				

Progress in Retinal and Eye 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
37198	Kehao Wang	(2018) Available online 12 Nov. 2018	2016A1096	BL20B2	Pierscionek Barbara	Biomechanics of the Human Lens and Accommodative System: Functional Relevance to Physiological States
			2017A1197	BL20B2	Pierscionek Barbara	
			2014A1710	BL20B2	Pierscionek Barbara	
			2015A1864	BL20B2	Pierscionek Barbara	

Radiation Measurements

37188	Aya Torimoto	106 (2017) 46-51	2016A0130	BL01B1	小原 真司	Emission Properties of Cerium-Doped Barium Borate Glasses for Scintillator Applications
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Radiation Physics and Chemistry

36978	Kenta Kakitani	153 (2018) 152-155	2015B3609	BL14B1	松村 大樹	X-ray Absorption Study of Platinum Nanoparticles on an Ion-Irradiated Carbon Support
			2017A3609	BL14B1	松村 大樹	

Review of Scientific Instruments

37031	Hidekazu Mimura	89 (2018) 093104	2015B2009	BL25SU	仙波 泰徳	Fabrication of a Precise Ellipsoidal Mirror for Soft X-ray Nanofocusing
			2016A1362	BL25SU	三村 秀和	

Science

37166	Simon Wall	362 (2018) 572-576	2016A8008	BL3	Wall Simon	Ultrafast Disordering of Vanadium Dimers in Photoexcited VO ₂
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Solid State Ionics

37280	Kezheng Chen	327 (2018) 150-156	2015B1011	BL37XU	内本 喜晴	Effect of Introducing Interlayers into Electrode/Electrolyte Interface in All-Solid-State Battery using Sulfide Electrolyte
			2016A1017	BL37XU	内本 喜晴	

Structural Dynamics

37242	Vincent Esposito	5 (2018) 064501	2015B8009	BL3	Staub Urs	Dynamics of the Photoinduced Insulator-to-Metal Transition in a Nickelate Film
			2014A8006	BL3	Staub Urs	

Tetrahedron

37270	Toshi Nakagawa	75 (2019) 315-323	2017A1426	BL38B1	檀上 博史	Construction and Structural Analysis of Mono- and Heterobimetallic Bis(titanate) Molecular Cages
			2018A1194	BL38B1	片桐 幸輔	

材料 (Journal of the Society of Materials Science, Japan)

37201	Kenji Suzuki	67 (2018) 708-714	2008A1766	BL02B1	田中 良彦	Micro-Residual Stresses of Plastically Deformed Austenitic Stainless Steel
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スマートプロセス学会誌 (Journal of Smart Processing)

37009	Taiki Uemura	7 (2018) 154-159	2017B5110	BL16XU	淡路 直樹	Effects of Ag Addition on Solidification Process and Microstructure of InSn Alloy
			2018A5110	BL16XU	淡路 直樹	

鑄造工学 (Journal of Japanese Foundry Engineering Society)

37225	Chatcharit Kiattisaksri	90 (2018) 602-612	2015B1465	BL20B2	杉山 明	Time-Resolved and In-situ Observation of Graphite Nucleation Position and Shape Evolution in Hypereutectic Ductile Cast Iron with Mg Addition
			2018A1465	BL28B2	安田 秀幸	
			2016A1367	BL20XU	安田 秀幸	

鉄と鋼 (Tetsu to Hagane)

37036	Kakeru Ninomiya	104 (2018) 628-633	2015B1434	BL27SU	西堀 麻衣子	Observation of Chemical State for Interstitial Solid Solution of Carbon in Low-Carbon Steel by Soft X-ray Absorption Spectroscopy
			2016A1428	BL27SU	西堀 麻衣子	

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

37224	R. Yoshimura	82 (2018) 78-83	2016B1409	BL20B2	安田 秀幸	In-Situ Characterization of Dendrite Tip Radius in Sn-Based Alloys
			2016A1367	BL20XU	安田 秀幸	

鳳翔学叢 (Hosho Gakuso)

37109	Masahiko Tsukada	13 (2017) 147-174	2015B1831	BL43IR	塚田 全彦	Study on the Light Fastness of Red Lacquer for the Reconstruction of West Gate at the Hou-ou-dou of the Byodoin, Part 2 - Chemical Change in Lacquer -
			2016A1703	BL43IR	塚田 全彦	

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

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
37119	Yoshinori Nishino	45 (2017) 508-512	2012A8034	BL3	西野 吉則	Nano-Imaging Under Controlled Environment Using SACLA
			2012B8039	BL3	西野 吉則	
			2013A8046	BL3	西野 吉則	
			2013B8051	BL3	西野 吉則	
			2014A8035	BL3	西野 吉則	
			2014B8053	BL3	西野 吉則	
			2015A8052	BL3	西野 吉則	
			2015B8050	BL3	西野 吉則	
			2016A8049	BL3	西野 吉則	
			2016B8065	BL3	西野 吉則	
2016A8001	BL3	山重 寿夫				
2016B8800	BL3	山重 寿夫				

博士論文 (Göteborg Universitet)

37063	Robert Dods	(2017)	2013A8008	BL3	Neutze Richard	Ultrafast Structural Changes in a Bacterial Photosynthetic Reaction Center Probed with XFEL Radiation
37064	David Arnlund	(2014)	2013A8008	BL3	Neutze Richard	X-ray Free-Electron Laser Based Methods for Structural and Ultrafast Dynamics Studies of a Photosynthetic Reaction Centre

博士論文 (京都大学)

37220	Sho Nakajima	(2017)	2015A0114	BL02B1	高谷 光	Mechanistic and Synthetic Studies on Iron-Bisphosphine-Catalyzed Cross-Coupling Reactions of Alkyl Halides
			2015A0114	BL14B2	高谷 光	
			2015A0114	BL27SU	高谷 光	
			2015A0114	BL40XU	高谷 光	
37221	Ryouta Yoshida	(2018)	2015A0114	BL02B1	高谷 光	Development of Metalated Amino Acids and Peptides as Oxidation Catalysts and Application of Those to Selective Lignin Degradation
			2015A0114	BL14B2	高谷 光	
			2015A0114	BL27SU	高谷 光	
			2015A0114	BL40XU	高谷 光	

博士論文 (大阪大学)

36941	Yusaku Takubo	(2018) 1-58	2016A3787	BL22XU	寺崎 英紀	Development of Density Measurement for Metals using X-ray Absorption Imaging Combined with Externally Heated Diamond Anvil Cell
			2017B3782	BL22XU	寺崎 英紀	

博士論文 (東京農工大学)

37069	Yohei Yamamoto	(2017)	2016A1223	BL40XU	養王田 正文	Protein Folding Mechanism of the Group II Chaperonins
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課題以外の成果として登録された論文

光学 (Japanese Journal of Optics)

研究成果番号	主著者	雑誌情報		ビームライン	タイトル
37167	Kensuke Tono	47 (2018) 400-406		XFEL	X線自由電子レーザー施設 SACLA の概要
37168	Kenji Tamasaku	47 (2018) 407-412		光学系	X線自由電子レーザーによる X線非線形光学の発展
37169	Yoshinori Nishino	47 (2018) 413-417		装置&技術	X線自由電子レーザーによる溶液試料のナノ観察
37170	Takahiro Sato	47 (2018) 418-423		装置&技術	X線自由電子レーザーを利用した超高速ポンププローブ計測
37171	Norimasa Ozaki	47 (2018) 424-430		装置&技術	X線自由電子レーザーによる超高压・高温状態物質の観察
37172	Minoru Kubo	47 (2018) 431-434		装置&技術	X線自由電子レーザーによるタンパク質の時分割・無損傷結晶構造解析

Acta Crystallographica Section B

37144	Hidetaka Kasai	73 (2017) 1158-1163	理研	BL44B2	Multi-Temperature Structure of Thermoelectric Mg ₂ Si and Mg ₂ Sn
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Chemistry - A European Journal

研究成果番号	主著者	雑誌情報		ビームライン	タイトル
37149	Mattia Sist	23 (2017) 6888-6895	理研	BL44B2	High-Temperature Crystal Structure and Chemical Bonding in Thermoelectric Germanium Selenide (GeSe)

The Journal of Chemical Physics

37101	Tatsuo Gejo	147 (2017) 044310	理研	BL17SU	Resonant Inelastic X-ray Scattering and Photoemission Measurement of O ₂ : Direct Evidence for Dependence of Rydberg-Valence Mixing on Vibrational States in O 1s → Rydberg States
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Journal of Physics B: Atomic, Molecular and Optical Physics

37051	Hiroyuki Shimada	51 (2018) 225601	XFEL		Photoelectron Spectroscopy of Rydberg Excited States in Singly Charged Molecular Ions CS ²⁺ by NIR Laser Pulses
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Journal of Synchrotron Radiation

37124	Krishna Khakurel	24 (2017) 142-149	理研	BL29XU	Generation of Apodized X-ray Illumination and its Application to Scattering and Diffraction Microscopy
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Journal of the American Chemical Society

37066	Mayuko Matsumoto	139 (2017) 7164-7167	理研	BL45XU	Compartmentalization Technologies via Self-Assembly and Cross-Linking of Amphiphilic Random Block Copolymers in Water
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Journal of the Physical Society of Japan

37019	Satoru Hamamoto	86 (2017) 123703	理研	BL19LXU	Linear Dichroism in Angle-Resolved Core-Level Photoemission Spectra Reflecting 4f Ground-State Symmetry of Strongly Correlated Cubic Pr Compounds
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Macromolecular Chemistry and Physics

37015	Yi-Chin Wang	218 (2017) 1700008	理研	BL45XU	The Formation of OTDD Network Structure in PS- <i>b</i> -PI- <i>b</i> -PDMS Triblock Terpolymer
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Optics Express

37134	Kei Shimomura	26 (2018) 31199-31208	光学系	BL29XU	Three-Dimensional Iterative Multislice Reconstruction for Ptychographic X-ray Computed Tomography
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Physical Chemistry Chemical Physics

37148	Hazel Reardon	19 (2017) 15734-15744	理研	BL44B2	Revealing the Slow Decomposition Kinetics of Type-I Clathrate Ba ₈ Ga ₁₆ Ge ₃₀
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Physical Review B

37147	Mattia Sist	97 (2018) 094116	理研	BL44B2	Role of Vacancies in the High-Temperature Pseudodisplacive Phase Transition in GeTe
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Polymer Degradation and Stability

37079	Hongyi Gan	145 (2017) 142-149	理研	BL45XU	Synthesis, Properties and Molecular Conformation of Paramylon Ester Derivatives
				BL03XU	

Respirology Research

37065	Martin Donnelley	18 (2017) 95		BL20XU	High-Resolution Mucociliary Transport Measurement in Live Excised Large Animal Trachea using Synchrotron X-ray Imaging
				BL20B2	

RSC Advances

36994	Mitsuhiko Morisue	7 (2017) 22679-22683	理研	BL45XU	Amorphous Porphyrin Glasses Exhibit Near-Infrared Excimer Luminescence
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Scientific Reports

37067	Yoon Hee Kim	7 (2017) 1850	理研	BL29XU	Visualization of a Mammalian Mitochondrion by Coherent X-ray Diffractive Imaging
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博士論文 (名古屋大学)

37102	Yasunori Saitoh	(2017)	理研	BL32XU	ウェルシュ菌エンテロトキシンとクローディン-19との複合体の構造学的研究
				BL41XU	
				BL38B1	