

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、2019 年 1 月～3 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/

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 2019 年 1 月～3 月に登録された論文が掲載された主な雑誌と掲載論文数

掲載雑誌	登録論文数	掲載雑誌	登録論文数
Physical Review B	12	ACS Catalysis	4
Nature Communications	9	Chemistry - An Asian Journal	4
Scientific Reports	9	Chemistry Letters	4
AIP Conference Proceedings	7	Inorganic Chemistry	4
Journal of Applied Physics	7	Journal of Synchrotron Radiation	4
Journal of Materials Chemistry A	6	Polymer Journal	4
Chemical Communications	5	The Journal of Physical Chemistry C	4
Japanese Journal of Applied Physics	5		

他全 170 誌、計 291 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
37364	Tsubasa Yoshino	95 (2017) 075151	2016B1005	BL09XU	溝川 貴司	Unusual Valence State and Metal-Insulator Transition in BaV ₁₀ O ₁₅ Probed by Hard X-ray Photoemission Spectroscopy
37365	S. Dash	95 (2017) 195116	2016B1005	BL09XU	溝川 貴司	Electronic Properties of Ba _{1-x} Sr _x V ₁₃ O ₁₈ (x=0, 0.2, 1) Studied using Hard X-ray Photoelectron Spectroscopy
37366	S. Dash	97 (2018) 165116	2017A1015	BL09XU	溝川 貴司	Anomalous Metallic State with Strong Charge Fluctuations in Ba _x Ti ₆ O _{16+δ} Revealed by Hard X-ray Photoemission Spectroscopy
37367	S. Dash	99 (2019) 035122	2016B1005	BL09XU	溝川 貴司	Temperature-Dependent Valence State within the Metallic Phase of BaV ₁₀ O ₁₅ Probed by Hard X-ray Photoelectron Spectroscopy
37376	Motohiko Murakami	99 (2019) 045153	2013B1217	BL10XU	村上 元彦	Ultrahigh-Pressure Form of SiO ₂ Glass with Dense Pyrite-Type Crystalline Homology
			2011B1153	BL10XU	村上 元彦	
			2011B1159	BL04B2	村上 元彦	
			2011A1239	BL10XU	村上 元彦	
			2010B1092	BL10XU	村上 元彦	
			2010A1048	BL10XU	村上 元彦	
2009A1064	BL10XU	小原 真司				
37385	Yangfan Lu	95 (2017) 125117	2016A4704	BL15XU	戸田 喜丈	Interlayer States Arising from Anionic Electrons in the Honeycomb-Lattice-Based Compounds AeAlSi (Ae = Ca, Sr, Ba)
			2016B4703	BL15XU	戸田 喜丈	
37434	R. D. Johnson	99 (2019) 024107	2018A4501	BL15XU	山浦 一成	Displacive Structural Phase Transitions and the Magnetic Ground State of Quadruple Perovskite YMn ₇ O ₁₂
37471	Shunsuke Kitou	99 (2019) 081111(F)	2016B1270	BL02B1	小林 慎太郎	Honeycomb Lattice Type Charge Density Wave Associated with Interlayer Cu Ions Ordering in 1T-Cu _x TiSe ₂
			2017A1081	BL02B1	小林 慎太郎	
			2017B1733	BL02B1	鬼頭 俊介	
37533	Shin-ichi Fujimori	99 (2019) 035109	2014B3820	BL23SU	藤森 伸一	Manifestation of Electron Correlation Effect in 5f States of Uranium Compounds Revealed by 4d-5f Resonant Photoelectron Spectroscopy
			2015A3820	BL23SU	藤森 伸一	
			2015B3820	BL23SU	藤森 伸一	
			2016A3810	BL23SU	藤森 伸一	
			2016B3811	BL23SU	藤森 伸一	
37572	Tetsuro Shirasawa	99 (2019) 100502(F)	2017B1459	BL13XU	白澤 徹郎	Structure Determination of the Si(111)-√7 × √3-In Atomic-Layer Superconductor
37672	Shunsuke Kitou	99 (2019) 104109	2009A0083	BL02B1	澤 博	Effect of Cu Intercalation and Pressure on Excitonic Interaction in 1T-TiSe ₂
			2016B1270	BL02B1	小林 慎太郎	
			2016B3783	BL22XU	澤 博	
			2017B1733	BL02B1	鬼頭 俊介	

Nature Communications-1

37292	Atsushi Kodan	10 (2019) 88	2013B1277	BL41XU	小段 篤史	Inward- and Outward-Facing X-ray Crystal Structures of Homodimeric P-glycoprotein CmABC B1
			2014A1163	BL41XU	小段 篤史	
			2014B1001	BL41XU	小段 篤史	
			2014B1772	BL32XU	廣兼 諒	
			2015A1039	BL41XU	小段 篤史	
37363	Do Hoon Kwon	9 (2018) 3291	2017A6775	BL44XU	Song HyunKyu	Insights into Degradation Mechanism of N-end Rule Substrates by p62/SQSTM1 Autophagy Adapter
			2017B6775	BL44XU	Song HyunKyu	
37413	Martijn Zwama	9 (2018) 124	2014B6934	BL44XU	中島 良介	Multiple Entry Pathways within the Efflux Transporter AcrB Contribute to Multidrug Recognition
			2015A6527	BL44XU	中島 良介	
			2015B6527	BL44XU	中島 良介	
			2016A6627	BL44XU	中島 良介	
37488	Yasuhiro Arimura	10 (2019) 576	2010A1206	BL41XU	胡桃坂 仁志	The CENP-A Centromere Targeting Domain Facilitates H4K20 Monomethylation in the Nucleosome by Structural Polymorphism
			2017A2558	BL41XU	胡桃坂 仁志	
37522	Satoshi Watanabe	10 (2019) 603	2015B6558	BL44XU	渡部 聡	Zinc Regulates ERp44-Dependent Protein Quality Control in the Early Secretory Pathway
			2016A6656	BL44XU	渡部 聡	
			2016B6656	BL44XU	渡部 聡	
			2014A6904	BL44XU	稲葉 謙次	
			2014B6904	BL44XU	稲葉 謙次	

Nature Communications-2

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
37534	M. Güttler	10 (2019) 796	2016A3810	BL23SU	藤森 伸一	Divalent EuRh ₂ Si ₂ as a Reference for the Luttinger Theorem and Antiferromagnetism in Trivalent Heavy-Fermion YbRh ₂ Si ₂
			2018B3811	BL23SU	藤森 伸一	
37547	Stefan Schramm	10 (2019) 997	2018A1235	BL43IR	Ahmed Ejaz	Thermochemiluminescent Peroxide Crystals
37619	Go-ichiro Uramoto	10 (2019) 400	2015B1218	BL47XU	諸野 祐樹	Significant Contribution of Subseafloor Microparticles to the Global Manganese Budget
			2015B1487	BL20B2	諸野 祐樹	
			2014A1239	BL20B2	諸野 祐樹	
			2014B1367	BL20XU	諸野 祐樹	
			2014B1372	BL20B2	諸野 祐樹	
			2015B1168	BL20XU	和穎 朗太	
			2016A1339	BL20B2	諸野 祐樹	
			2017A1103	BL20B2	諸野 祐樹	
			2017A1104	BL47XU	諸野 祐樹	
			2017B1239	BL20XU	諸野 祐樹	
			2017B1240	BL47XU	諸野 祐樹	
37634	Max J. Hülsley	10 (2019) 1330	2017A1256	BL01B1	朝倉 博行	In situ Spectroscopy-Guided Engineering of Rhodium Single-Atom Catalysts for CO Oxidation
			2018B0938	BL14B2	若林 裕助	

Scientific Reports

37359	Nobutaka Shioya	9 (2019) 579	2017B1831	BL46XU	尾坂 格	Alternative Face-on Thin Film Structure of Pentacene
37387	Koji Yamamoto	8 (2018) 16835	2017A6764	BL44XU	山本 幸治	Characterization of a Diazinon-Metabolising Glutathione S-Transferase in the Silkworm <i>Bombyx mori</i> by X-ray Crystallography and Genome Editing Analysis
			2017B6764	BL44XU	山本 幸治	
37412	Suguru Yamasaki	9 (2019) 177	2012B6730	BL44XU	中島 良介	Crystal Structure of the Multidrug Resistance Regulator RamR Complexed with Bile Acids
			2016B6627	BL44XU	中島 良介	
			2017B6731	BL44XU	中島 良介	
37549	Rolf Follath	9 (2019) 2029	2015B8067	BL3	小山 貴久	X-ray Induced Damage of B ₄ C-coated Bilayer Materials under Various Irradiation Conditions
37568	Atsushi Sakaki	9 (2019) 3733	2015B5080	BL16XU	榊 篤史	Impact of Microscopic In Fluctuations on the Optical Properties of In _x Ga _{1-x} N Blue Light-Emitting Diodes Assessed by Low-Energy X-ray Fluorescence Mapping using Synchrotron Radiation
			2016A5080	BL16XU	榊 篤史	
			2016B5080	BL16XU	榊 篤史	
37573	Hideki Okamoto	9 (2019) 4009	2017A4138	BL12B2	久保園 芳博	Synthesis of the Extended Phenacene Molecules, [10]phenacene and [11]phenacene, and Their Performance in a Field-Effect Transistor
			2017B4133	BL12B2	久保園 芳博	
37584	Okkyun Seo	9 (2019) 4304	2018B4905	BL15XU	松田 晃史	Tuning of Structural, Optical Band Gap, and Electrical Properties of Room-Temperature-Grown Epitaxial Thin Films through the Fe ₂ O ₃ :NiO Ratio
			2018A4900	BL15XU	松田 晃史	
			2018A1258	BL01B1	坂田 修身	
			2017B1018	BL01B1	坂田 修身	
37616	Takahiro Nakatani	9 (2019) 4722	2014A1085	BL41XU	山下 敦子	Specific Modification at the C-Terminal Lysine Residue of the Green Fluorescent Protein Variant, GFPuv, Expressed in <i>Escherichia Coli</i>
			2014A1859	BL26B2	山下 敦子	
37648	A. M. Shikin	9 (2019) 4813	2018B3842	BL23SU	木村 昭夫	Dirac Gap Opening and Dirac-Fermion-Mediated Magnetic Coupling in Antiferromagnetic Gd-Doped Topological Insulators and their Manipulation by Synchrotron Radiation

AIP Conference Proceedings-1

37316	Yasuhiko Imai	2054 (2019) 050004	2012B1433	BL13XU	今井 康彦	Current Status of Nanobeam X-ray Diffraction Station at SPRING-8
			2013A1332	BL13XU	今井 康彦	
			2013B1326	BL13XU	今井 康彦	
			2015B1996	BL13XU	木村 滋	
			2015B1997	BL13XU	木村 滋	
			2016A1849	BL13XU	今井 康彦	
			2016B1962	BL13XU	木村 滋	
			2016B1965	BL13XU	今井 康彦	
37326	Kentaro Fujii	2054 (2019) 040005	2016B3852	BL23SU	藤井 健太郎	XANES Spectral Changes of Hydrated Deoxyribose Induced by K-Shell Ionization of Oxygen
			2015B3812	BL23SU	藤井 健太郎	

AIP Conference Proceedings-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
37356	Seiki Baba	2054 (2019) 060008	2011B2084	BL38B1	馬場 清喜	Upgrade of Bending Magnet MX Beamline BL38B1 at SPring-8
			2014A1850	BL38B1	馬場 清喜	
			2014A1899	BL38B1	水野 伸宏	
			2014B1390	BL38B1	熊坂 崇	
			2014B1965	BL38B1	馬場 清喜	
			2014B1994	BL26B2	長谷川 和也	
			2014B2004	BL26B1	長谷川 和也	
			2014B2024	BL26B1	長谷川 和也	
			2014B2029	BL26B2	長谷川 和也	
			2015A1078	BL38B1	熊坂 崇	
			2015A1994	BL38B1	馬場 清喜	
			2015B1979	BL38B1	馬場 清喜	
			2016A1825	BL38B1	馬場 清喜	
			2016A2515	BL38B1	熊坂 崇	
			2016B1976	BL38B1	馬場 清喜	
			2017A1854	BL38B1	馬場 清喜	
2017A2562	BL38B1	馬場 清喜				
2018A2537	BL38B1	馬場 清喜				
37405	Keichi Osaka	2054 (2019) 050008	2012A1755	BL19B2	大坂 恵一	Versatile High-Throughput Diffractometer for Industrial Use at BL19B2 in SPring-8
			2012B1395	BL19B2	大坂 恵一	
			2012B1883	BL19B2	大坂 恵一	
			2013A1328	BL19B2	大坂 恵一	
			2014A1894	BL14B2	大坂 恵一	
			2014B1604	BL14B2	大坂 恵一	
			2014B1910	BL14B2	大坂 恵一	
			2015A1703	BL14B2	大坂 恵一	
			2015A1968	BL14B2	大坂 恵一	
			2016A1763	BL14B2	大坂 恵一	
			2017B1821	BL19B2	大坂 恵一	
			2017B1883	BL19B2	大坂 恵一	
2017B1884	BL19B2	大坂 恵一				
2017B1885	BL19B2	大坂 恵一				
37470	Yoshihito Tanaka	2054 (2019) 040009	2016B1155	BL40XU	田中 義人	Time-Resolved Optical Spectroscopy of a GaAs Single Crystal Irradiated by SR X-ray Pulses
			2017A1260	BL40XU	田中 義人	
			2018A1076	BL40XU	田中 義人	
			理研	BL19LXU		
37489	Masahiko Tanaka	2054 (2019) 050011	2017A4500	BL15XU	田中 雅彦	A Trial for Distinguish of Mn ³⁺ and Mn ²⁺ Ions in LiMn ₂ O ₄ by Anomalous Powder X-ray Diffraction with Focused Beam Flat Sample Method
			2017B4500	BL15XU	田中 雅彦	
			2016A4500	BL15XU	田中 雅彦	
37511	Shinji Kitao	2054 (2019) 050013	2015A1652	BL09XU	北尾 真司	Nuclear Resonant Small-Angle Scattering for Investigation of Microstructures in Electronic States
			2015B1416	BL09XU	北尾 真司	
			2014B1496	BL09XU	北尾 真司	

Journal of Applied Physics-1

37369	Alvaro Sanchez-Gonzalez	122 (2017) 203105	2016A8032	BL3	van Thor Jasper	Coincidence Timing of Femtosecond Optical Pulses in an X-ray Free Electron Laser
37441	Charlotte Zborowski	124 (2018) 085115	2016A4910	BL15XU	Renault Olivier	Quantitative Determination of Elemental Diffusion from Deeply Buried Layers by Photoelectron Spectroscopy
37455	Yosuke Fujii	125 (2019) 035105	2014B1334	BL02B2	小菅 厚子	Structure and Thermoelectric Transport Analysis of Defect-Containing CuGaTe ₂ Prepared by Room-Temperature High-Pressure Treatment
			2014A1206	BL02B2	山田 幾也	
37539	Yuichi Akahama	125 (2019) 075901	2015B1384	BL10XU	赤浜 裕一	Pressure-Induced Reentrant Structural Transition and Equation of State of Indium
			2017A1088	BL10XU	赤浜 裕一	
			2017B1123	BL10XU	赤浜 裕一	
			2018A1160	BL10XU	赤浜 裕一	
37550	Sakyo Hirose	125 (2019) 095301	2016A4903	BL15XU	廣瀬 左京	Effect of Aging on the Current Transport Properties at Gold/Niobium-Doped Strontium Titanate Schottky Junctions
			2017A4911	BL15XU	廣瀬 左京	
			2015B4604	BL15XU	大澤 健男	
			2015A4603	BL15XU	大澤 健男	
			2014A4602	BL15XU	大橋 直樹	
			2014A4501	BL15XU	大橋 直樹	

Journal of Applied Physics-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
37600	Masataka Imura	123 (2018) 095701	2011B4602	BL15XU	井村 将隆	Surface and Bulk Electronic Structures of Unintentionally and Mg-doped In _{0.7} Ga _{0.3} N Epilayer by Hard X-ray Photoelectron Spectroscopy
			2012A4608	BL15XU	井村 将隆	
			2011A4612	BL15XU	長田 貴弘	
			2010B4603	BL15XU	井村 将隆	
			2010A4607	BL15XU	井村 将隆	
37640	Tomohiro Nozaki	125 (2019) 113903	2015B1006	BL39XU	佐橋 政司	Identifying Valency and Occupation Sites of Ir Dopants in Antiferromagnetic α -Fe ₂ O ₃ Thin Films with X-ray Absorption Fine Structure and Mössbauer Spectroscopy
			2016A1030	BL39XU	佐橋 政司	

Journal of Materials Chemistry A

37457	Kazuhiro Shikinaka	6 (2018) 837-839	2016A1175	BL40B2	敷中 一洋	A Small Amount of Nanoparticulated Plant Biomass, Lignin, Enhances the Heat Tolerance of Poly(ethylene carbonate)
37504	Koichiro Suekuni	7 (2019) 228-235	2015A0074	BL02B2	森吉 千佳子	Atomic-Scale Phonon Scatterers in Thermoelectric Colusites with a Tetrahedral Framework Structure
37525	Haibo Yin	7 (2019) 3783-3789	2017A1063	BL01B1	桑原 泰隆	Plasmonic Ru/Hydrogen Molybdenum Bronzes with Tunable Oxygen Vacancies for Light-Driven Reduction of <i>p</i> -Nitrophenol
			2018B1185	BL01B1	桑原 泰隆	
37548	Takashi Nakamura	7 (2019) 5009-5019	2016B1143	BL01B1	中村 崇司	Defect Chemical Studies on Oxygen Release from the Li-Rich Cathode Material Li _{1.2} Mn _{0.6} Ni _{0.2} O _{2-δ}
			2017A1417	BL01B1	中村 崇司	
			2016B1210	BL27SU	雨澤 浩史	
37644	Yasutaka Kuwahara	7 (2019) 7221-7231	2018A1089	BL01B1	桑原 泰隆	Hollow Titanosilicate Nanospheres Encapsulating PdAu Alloy Nanoparticles as Reusable High-Performance Catalysts for a H ₂ O ₂ -mediated One-Pot Oxidation Reaction
37659	Wen-Hua Li	7 (2019) 10431-10438	2018B1728	BL14B2	荻原 直希	Conductive Metal-Organic Framework Nanowire Arrays for Electrocatalytic Oxygen Evolution

Japanese Journal of Applied Physics

37296	Nobutaka Tanigaki	57 (2018) 02CA06	2015A1689	BL46XU	宮寺 哲彦	Oriented Thin Films of Mixture of a Low-Bandgap Polymer and a Fullerene Derivative Prepared by Friction-Transfer Method
			2015B1600	BL46XU	宮寺 哲彦	
37300	Yuuki Akiyama	57 (2018) 08RE09	2015B1891	BL46XU	宮寺 哲彦	Effects of Solvent Vapor Annealing on Organic Photovoltaics with a New Type of Solution-Processable Oligothiophene-Based Electronic Donor Material
			2015B1600	BL46XU	宮寺 哲彦	
			2016A1514	BL46XU	宮寺 哲彦	
			2016B1861	BL46XU	宮寺 哲彦	
37304	Takuo Ohkouchi	58 (2019) 023001	2014B1264	BL25SU	大河内 拓雄	Real-Space and Pulse-by-Pulse Analysis of Domain Wall Creep Induced by Spin-Hall Torque
			2015A2037	BL25SU	大河内 拓雄	
37524	Takanori Mimura	58 (2019) SBBB09	2016A4702	BL15XU	舟窪 浩	Effects of Heat Treatment and in situ High-Temperature X-ray Diffraction Study on the Formation of Ferroelectric Epitaxial Y-doped HfO ₂ Film
			2016B4701	BL15XU	舟窪 浩	
37556	Takuma Doi	58 (2019) SBBD05	2017B1353	BL47XU	竹内 和歌奈	Effect of Carbon in Si Oxide Interlayers of the Al ₂ O ₃ /4H-SiC Structure on Interfacial Reaction by Oxygen Radical Treatment
			2018A1509	BL47XU	竹内 和歌奈	

ACS Catalysis

37410	Shilpi Ghosh	8 (2018) 11979-11986	2016A7840	BL36XU	岩澤 康裕	Confined Single Alkali Metal Ion Platform in a Zeolite Pore for Concerted Benzene C-H Activation to Phenol Catalysis
			2017A7840	BL36XU	岩澤 康裕	
			2018A7840	BL36XU	岩澤 康裕	
37526	Yasutaka Kuwahara	9 (2019) 1993-2006	2018A1089	BL01B1	桑原 泰隆	Pd Nanoparticles and Aminopolymers Confined in Hollow Silica Spheres as Efficient and Reusable Heterogeneous Catalysts for Semihydrogenation of Alkynes
37655	Kah Wei Ting	9 (2019) 3685-3693	2018A1757	BL14B2	鳥屋尾 隆	Low-Temperature Hydrogenation of CO ₂ to Methanol over Heterogeneous TiO ₂ -Supported Re Catalysts
37656	Sharmin Sultana Poly	8 (2018) 11330-11341	2017B1382	BL01B1	神田 康晴	Acceptorless Dehydrogenative Synthesis of Pyrimidines from Alcohols and Amidines Catalyzed by Supported Platinum Nanoparticles

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
37314	Daiki Hayashi	55 (2019) 921-924	2015A1520	BL02B2	吉成 信人	Conversion of 12-Membered D ₃ - and L ₃ -Co ^{III} Cd ^{II} ₃ Metallorings into a 24-Membered D ₃ L ₃ -Co ^{III} ₆ Cd ^{II} ₆ Metalloring
37320	Yusuke Isaka	54 (2018) 9270-9273	2017B1081	BL01B1	桑原 泰隆	Photocatalytic Production of Hydrogen Peroxide through Selective Two-Electron Reduction of Dioxygen Utilizing Amine-Functionalized MIL-125 Deposited with Nickel Oxide Nanoparticles
			2017B1084	BL01B1	森 浩亮	
37513	Naoto Kitamura	55 (2019) 2517-2520	2018B1260	BL04B2	井手本 康	The Atomic Structure of a MgCo ₂ O ₄ Nanoparticle for a Positive Electrode of a Mg Rechargeable Battery
37681	Biao Zhou	55 (2019) 3327-3330	2015A0074	BL02B2	森吉 千佳子	Single-Component Molecular Conductor [Pt(dmdt) ₂]-a Three-Dimensional Ambient-Pressure Molecular Dirac Electron System
			2014A0078	BL02B1	Iversen Bo	

Chemistry Letters

37478	Naohiko Ikuma	47 (2018) 736-739	2017A1396	BL02B1	焼山 佑美	Internal-Peripheral Dirosylation of Sumanene Overcoming the Dearomatization Hurdle by the Distortion of the Curved π-System
37500	Yasuharu Kanda	48 (2019) 471-474	2015B1246	BL01B1	神田 康晴	Catalytic Activity of Rhodium Phosphide for Selective Hydrodeoxygenation of Phenol
			2017B1382	BL01B1	神田 康晴	
37536	Kazuhiro Hikima	48 (2019) 192-195	2013A3617	BL14B1	菅野 了次	Thin Film All-solid-state Battery Using Li ₂ MnO ₃ Epitaxial Film Electrode
			2014A1573	BL46XU	菅野 了次	
			2014A1575	BL46XU	菅野 了次	
			2015A1846	BL46XU	引間 和浩	
			2016A1675	BL46XU	引間 和浩	
2016B1768	BL46XU	引間 和浩				
37657	Takashi Toyao	47 (2018) 1036-1039	2018A1757	BL14B2	鳥屋尾 隆	Catalytic NO-CO Reactions over La-Al ₂ O ₃ Supported Pd: Promotion Effect of La

The Journal of Physical Chemistry C

37322	Morihisa Saeki	123 (2019) 817-824	2017B3655	BL14B1	佐伯 盛久	In Situ Time-Resolved XAFS Studies on Laser-Induced Particle Formation of Palladium Metal in an Aqueous/EtOH Solution
37324	Soichi Kikkawa	122 (2018) 21132-21139	2016A1638	BL01B1	吉川 聡一	Development of Rh-Doped Ga ₂ O ₃ Photocatalysts for Reduction of CO ₂ by H ₂ O as an Electron Donor at a More than 300 nm Wavelength
37394	Liwei Yu	123 (2019) 603-611	2017B7810	BL36XU	横山 利彦	Operando Observation of Sulfur Species Poisoning Polymer Electrolyte Fuel Cell Studied by Near Ambient Pressure Hard X-ray Photoelectron Spectroscopy
			2017B7811	BL36XU	横山 利彦	
			2016A7810	BL36XU	横山 利彦	
			2016A7811	BL36XU	横山 利彦	
			2016B7810	BL36XU	横山 利彦	
			2016B7811	BL36XU	横山 利彦	
			2017A7810	BL36XU	横山 利彦	
			2017A7811	BL36XU	横山 利彦	
			2018A7810	BL36XU	横山 利彦	
2018A7811	BL36XU	横山 利彦				
37515	Kenichi Ozawa	123 (2019) 4388-4395	2016A7503	BL07LSU	小澤 健一	Enhanced Photoresponsivity of Fullerene in the Presence of Phthalocyanine: A Time-Resolved X-ray Photoelectron Spectroscopy Study of Phthalocyanine/C ₆₀ /TiO ₂ (110)
			2017A7533	BL07LSU	小澤 健一	

Polymer Journal

37462	Yi Liu	51 (2019) 189-198	2017B1086	BL40B2	檜垣 勇次	Smectic Ordered Structure and Water Repellency of a Poly(fluoroalkyl acrylate) with a Carbamate Linker
			2018A1177	BL40B2	檜垣 勇次	
37492	Kiminori Uchida	51 (2019) 183-188	2013A7218	BL03XU	三田 一樹	Lamellar Orientation in Isotactic Polypropylene Thin Films: a Complement Study via Grazing Incidence X-ray Diffraction and Surface/Cross-Sectional Imaging
			2013B7266	BL03XU	三田 一樹	
			2015A7216	BL03XU	三田 一樹	
			2015B7267	BL03XU	三田 一樹	
			2016A7217	BL03XU	三田 一樹	
2017B7267	BL03XU	三田 一樹				
37494	Ren Tomisawa	51 (2019) 211-219	2016A7213	BL03XU	中田 克	Ultra-SAXS Observation of Fibril-Sized Structure Formation after the Necking of Poly(ethylene terephthalate) and Poly(phenylene sulfide) Fibers
37611	Atsushi Izumi	51 (2019) 155-160	2017A7209	BL03XU	和泉 篤士	Network Structure Evolution of a Hexamethylenetetramine-Cured Phenolic Resin
			2017B7261	BL03XU	和泉 篤士	

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研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
37416	Koji Amezawa	(2018) 68-76	2015B1424	BL37XU	雨澤 浩史	Impact of Triple Phase Boundary Reaction in SOFC Mixed Conducting Cathodes
			2016A1315	BL37XU	雨澤 浩史	
			2016B1195	BL37XU	雨澤 浩史	
			2017A1487	BL37XU	雨澤 浩史	
37417	Koji Amezawa	(2018) 77-82	2016B1195	BL37XU	雨澤 浩史	Investigation of Electrode Reaction in Proton Conducting Ceramic Fuel Cell by Using Patterned Thin Film Model Electrode
			2017A1487	BL37XU	雨澤 浩史	
			2017B1502	BL37XU	雨澤 浩史	
37418	Koji Amezawa	(2018) 51-58	2016B1195	BL37XU	雨澤 浩史	Influence of Electrode Reaction on Cr-Poisoning in SOFC MIEC Cathodes
			2017A1487	BL37XU	雨澤 浩史	

ACS Applied Materials & Interfaces

37295	Seichi Furukawa	10 (2018) 42756-42765	2016B1118	BL40B2	相澤 直矢	High-Crystallinity π -Conjugated Small Molecules Based on Thierylene-Vinylyene-Thierylene: Critical Role of Self-Organization in Photovoltaic, Charge-Transport, and Morphological Properties
			2017A1119	BL40B2	相澤 直矢	
37299	Takuro N. Murakami	9 (2017) 36708-36714	2016A1514	BL46XU	宮寺 哲彦	Adjustment of Conduction Band Edge of Compact TiO ₂ Layer in Perovskite Solar Cells Through TiCl ₄ Treatment
37393	Donglin Han	11 (2019) 3990-4000	2018A1782	BL19B2	韓 東麟	Correlation between Phase Behavior and Electrical Conductivity of 10 mol% Y-Doped BaZrO ₃ : An Anomalous Dispersion Effect-Aided Synchrotron Radiation XRD Study Combined with TEM Observation and Electrochemical Analysis

Angewandte Chemie International Edition

37435	Shinichiro Kawano	57 (2018) 14827-14831	2016B1144	BL02B1	河野 慎一郎	Specific and Oriented Encapsulation of Fullerene C ₇₀ into a Supramolecular Double-Decker Cage Composed of Shape-Persistent Macrocycles
37473	Bo Huang	58 (2019) 2230-2235	2015B1467	BL02B2	小林 浩和	A CO Adsorption Site Change Induced by Copper Substitution in a Ruthenium Catalyst for Enhanced CO Oxidation Activity
37544	Takeaki Iwamoto	58 (2019) 4371-4375	2013B1492	BL02B1	岩本 武明	A Tetrasilicon Analogue of Bicyclo[1.1.0]but-1(3)-ene Containing a Si=Si Double Bond with an Inverted Geometry

Applied Catalysis A: General

37567	Masashi Kikugawa	576 (2019) 32-38	2016A7001	BL33XU	高木 秀樹	Silver Sulfate Catalyst for Soot Oxidation with High Resistance to Sulfur Poisoning
			2016B7001	BL33XU	高木 秀樹	
			2017B7001	BL33XU	高木 秀樹	
37570	Satoshi Kameoka	569 (2019) 101-109	2017B4907	BL15XU	亀岡 聡	Highly Selective Semi-Hydrogenation of Acetylene over Porous Gold with Twin Boundary Defects
			2016A4905	BL15XU	小廣 和哉	
			2016B4907	BL15XU	亀岡 聡	
			2017A4908	BL15XU	小廣 和哉	
			2018A4907	BL15XU	藤田 伸尚	
37576	Satoshi Ishikawa	575 (2019) 87-92	2017A1822	BL14B2	前川 佳史	Well-Controlled Radical-Based Epoxidation Catalyzed by Copper Complex Immobilized on Bipyridine-Periodic Mesoporous Organosilica
			2017B1633	BL14B2	前川 佳史	

Applied Physics Letters

37450	Takayuki Nagai	113 (2018) 212902	2017B1698	BL02B2	永井 隆之	Systematic Tuning of the Photo-Dielectric Effect in Ba(Al _{1-x} Zn _x) ₂ O _{4-δ}
37559	Masahiro Saito	114 (2019) 072404	2012A1076	BL17SU	小飼 真人	Fabrication of L1 ₀ -FeNi by Pulsed-Laser Deposition
			2012B1214	BL17SU	小飼 真人	
			2013A1366	BL17SU	小飼 真人	
			2013B1222	BL17SU	小飼 真人	
			2014A1280	BL17SU	小飼 真人	
			2014B1503	BL17SU	小飼 真人	
			2015A1516	BL17SU	小飼 真人	
			2015B1304	BL17SU	小飼 真人	
			2016A1156	BL17SU	小飼 真人	
			2016B1185	BL17SU	小飼 真人	
			2017A1078	BL17SU	小飼 真人	
			2017A1600	BL46XU	水口 将輝	
			2017A1784	BL46XU	水口 将輝	
37642	Yu Shiratsuchi	113 (2018) 242404	2017B1588	BL46XU	小飼 真人	Observation of the Magnetoelectric Reversal Process of the Antiferromagnetic Domain
			2017B1814	BL46XU	小飼 真人	

ChemCatChem

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
37321	Junqing Yan	10 (2018) 3424-3428	2017B1081	BL01B1	桑原 泰隆	Black Phosphorus-Based Compound with Few Layers for Photocatalytic Water Oxidation
			2017B1084	BL01B1	森 浩亮	
37440	Koshiro Nakamura	10 (2018) 3806-3812	2018A1075	BL01B1	奥村 和	Direct Methylation of Benzene with Methane Catalyzed by Co/MFI Zeolite
37501	Ryusei Azuma	10 (2018) 2378-2382	2015B1246	BL01B1	神田 康晴	Solution Synthesis of <i>N,N</i> -Dimethylformamide-Stabilized Iron-Oxide Nanoparticles as an Efficient and Recyclable Catalyst for Alkene Hydrosilylation

Chemistry - An Asian Journal

37318	Yuxiao Zhang	14 (2019) 278-285	2018A1089	BL01B1	桑原 泰隆	Defect Engineering of MoS ₂ and Its Impacts on Electrocatalytic and Photocatalytic Behavior in Hydrogen Evolution Reactions
			2018A1144	BL01B1	森 浩亮	
37479	Yumi Yakiyama	(2019) Online published 15 Jan. 2019	2017A1396	BL02B1	焼山 佑美	Generation of "Sumanenyliene": A Ground-State Triplet Carbene on a Curved π -Conjugated Periphery
			2017B1569	BL02B1	焼山 佑美	
37497	Susumu Oda	(2019) Online published 4 Jan. 2019	2016A1052	BL40XU	畠山 琢次	Synthesis of Tetracoordinate Boron-Fused Benzoaceanthrylene Analogs via Tandem Electrophilic C-H Borylation
			2016B1059	BL40XU	畠山 琢次	
			2017A1132	BL40XU	畠山 琢次	
			2017B1073	BL40XU	畠山 琢次	
			2018A1114	BL40XU	畠山 琢次	

Inorganic Chemistry

37406	Yoshiyuki Inaguma	57 (2018) 15462-15473	2016A1412	BL02B2	森 大輔	High-Pressure Synthesis, Crystal Structure, Chemical Bonding, and Ferroelectricity of LiNbO ₃ -Type LiSbO ₃
			2013A1697	BL02B2	森 大輔	
37461	Fumitaka Takeiri	57 (2018) 6686-6691	2016B1297	BL01B1	山本 隆文	AgFeOF ₂ : A Fluorine-Rich Perovskite Oxyfluoride
37484	Hajime Yamamoto	58 (2019) 2755-2760	2017B1697	BL02B2	山本 孟	Stability of Polar Structure in Filling-Controlled Giant Tetragonal Perovskite Oxide PbVO ₃

Journal of Solid State Chemistry

37374	Wenze Huang	270 (2019) 487-492	2016B1778	BL19B2	大工原 秀吾	Superionic Lithium Conductor with a Cubic Argyrodite-Type Structure in the Li-Al-Si-S System
37577	Jie Chen	272 (2019) 182-188	2018A4501	BL15XU	山浦 一成	High-Pressure Synthesis, Crystal Structure, and Magnetic Properties of Hexagonal Ba ₃ CuOs ₂ O ₉
			2018B4502	BL15XU	Belik Alexei	
			2017B4502	BL15XU	辻本 吉廣	
			2017A4503	BL15XU	Belik Alexei	
37582	Seiya Shimono	273 (2019) 37-44	2015A0074	BL02B2	森吉 千佳子	Phase Transitions with Extremely Small Tetragonal Distortion in Substitution Systems of CoV ₂ O ₄ by High-Angular-Resolution Synchrotron Powder Diffraction
			2017B1973	BL02B2	河口 彰吾	

Journal of the American Chemical Society

37390	Takeshi Arai	139 (2017) 17175-17180	2017A4702	BL15XU	戸田 喜文	Chemical Design and Example of Transparent Bipolar Semiconductors
			2017B4703	BL15XU	戸田 喜文	
37527	Ichiro Hisaki	141 (2019) 2111-2121	2017B1322	BL38B1	久木 一朗	Acid Responsive Hydrogen-Bonded Organic Frameworks
			2018A1327	BL38B1	久木 一朗	
			2017B1325	BL02B2	久木 一朗	
			2018A1238	BL02B2	久木 一朗	
37614	Yang Wang	141 (2019) 3566-3575	2018A1001	BL40B2	松本 英俊	Significant Improvement of Unipolar n-Type Transistor Performances by Manipulating the Coplanar Backbone Conformation of Electron-Deficient Polymers via Hydrogen Bonding

Journal of the Electrochemical Society

37290	Tomonari Takeuchi	166 (2019) A5231-A5236	2016A7601	BL28XU	小久見 善八	Improvement of Cycle Capability of Fe-Substituted Li ₂ S-Based Positive Electrode Materials by Doping with Lithium Iodide
			2016B7606	BL28XU	松原 英一郎	
			2017A7606	BL28XU	松原 英一郎	
			2017B7606	BL28XU	松原 英一郎	
			2018A7606	BL28XU	松原 英一郎	
37291	Morihiro Saito	166 (2019) A5174-A5183	2017B7610	BL28XU	松原 英一郎	Effective Bulk Activation and Interphase Stabilization of Silicon Negative Electrode by Lithium Pre-Doping for Next-Generation Batteries
			2018A7610	BL28XU	松原 英一郎	
37529	K. D. R. N. Kalubowila	166 (2019) D113-D119	2017B1539	BL04B2	Jayathilaka Charith	Effect of Bath pH on Electronic and Morphological Properties of Electrodeposited Cu ₂ O Thin Films

Langmuir

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
37302	Toshihiko Oka	34 (2018) 15462-15469	2016A1174	BL40B2	岡 俊彦	Polar-Nonpolar Interfaces of Inverse Bicontinuous Cubic Phases in Phytantriol/Water System are Parallel to Triply Periodic Minimal Surfaces
			2016B1339	BL40B2	岡 俊彦	
			2017A1352	BL40B2	岡 俊彦	
37329	Linlin Li	34 (2018) 13361-13367	2018A1177	BL40B2	檜垣 勇次	Organic-Inorganic Hybrid Thin Films Fabricated by Layer-by-Layer Assembly of the Phosphorylated Cellulose Nanocrystal and Imogolite Nanotubes
37395	Shotaro Miwa	34 (2018) 7813-7820	2017A1414	BL40B2	櫻井 和朗	Core-Shell-Corona Micelles from a Polyether-Based Triblock Terpolymer: Investigation of the pH-Dependent Micellar Structure
			2017A1238	BL40B2	秋葉 勇	
			2016B1481	BL40B2	櫻井 和朗	

Nature Chemical Biology

37307	Kazushi Morimoto	15 (2019) 8-10	2017A2524	BL32XU	岩田 想	Crystal Structure of the Endogenous Agonist- Bound Prostanoid Receptor EP3
37308	Ryoji Suno	14 (2018) 1150-1158	2013A1379	BL32XU	島村 達郎	Structural Insights into the Subtype-Selective Antagonist Binding to the M ₂ Muscarinic Receptor
			2013B1092	BL32XU	浅田 秀基	
			2013B1184	BL32XU	島村 達郎	
			2014A1301	BL32XU	島村 達郎	
			2014B1273	BL32XU	島村 達郎	
			2014B1355	BL32XU	浅田 秀基	
			2015A1044	BL32XU	浅田 秀基	
37312	Yosuke Toyoda	15 (2019) 18-26	2013A1379	BL32XU	島村 達郎	Ligand Binding to Human Prostaglandin E Receptor EP ₄ at the Lipid-Bilayer Interface
			2013B1184	BL32XU	島村 達郎	
			2013B1092	BL32XU	浅田 秀基	
			2014A1301	BL32XU	島村 達郎	
			2014B1355	BL32XU	浅田 秀基	
			2014B1273	BL32XU	島村 達郎	
			2015A1080	BL32XU	島村 達郎	
			2015A1044	BL32XU	浅田 秀基	

ACS Applied Nano Materials

37311	Toshiki Akiyama	1 (2018) 6950-6958	2018A1793	BL14B2	秋山 敏毅	Reusable Immobilized Iron(II) Nanoparticle Precatalysts for Ligand-Free Kumada Coupling
			2017B1732	BL27SU	秋山 敏毅	
			2017B1931	BL14B2	秋山 敏毅	
			2017A1793	BL14B2	秋山 敏毅	
37469	Harutaka Mekar	2 (2019) 479-488	2016A3801	BL23SU	吉越 章隆	Biodegradability of Disulfide-Organosilica Nanoparticles Evaluated by Soft X-ray Photoelectron Spectroscopy: Cancer Therapy Implications
			2016B3834	BL23SU	銘苅 春隆	
			2017B3801	BL23SU	吉越 章隆	

ACS Applied Polymer Materials

37613	Tsukasa Hasegawa	1 (2019) 542-551	2015B1690	BL45XU	長谷川 司	p- and n-Channel Photothermoelectric Conversion Based on Ultralong Near-Infrared Wavelengths Absorbing Polymers
37638	Tomoya Higashihara	1 (2019) 315-320	2015B1633	BL46XU	東原 知哉	Synthesis and Deformable Hierarchical Nanostructure of Intrinsically Stretchable ABA Triblock Copolymer Composed of Poly(3-hexylthiophene) and Polyisobutylene Segments
			2016B1572	BL46XU	東原 知哉	

Acta Crystallographica Section F

37414	Yasuhiro Arimura	74 (2018) 385-390	2017A2558	BL41XU	胡桃坂 仁志	Structural Polymorphism of the <i>Escherichia coli</i> Poly- α -L-glutamate Synthetase RimK
			2016A2537	BL41XU	胡桃坂 仁志	
			2014B1125	BL41XU	胡桃坂 仁志	
			2013A1036	BL41XU	胡桃坂 仁志	
			2012B1048	BL41XU	胡桃坂 仁志	
37532	Kumpei Yamanishi	75 (2019) 116-122	2014A1035	BL38B1	柴田 直樹	High-Resolution Structure of a Y27W Mutant of the Dishevelled2 DIX Domain
			2017A2538	BL26B1	柴田 直樹	
			2017A6723	BL44XU	柴田 直樹	
			2017B6723	BL44XU	柴田 直樹	
			2017A2538	BL38B1	柴田 直樹	

APL 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
37641	Yu Shiratsuchi	6 (2018) 121104	2014A0079	BL25SU	白土 優	Antiferromagnetic Domain Wall Creep Driven by Magnetoelectric Effect
37652	Naoyuki Shibayama	7 (2019) 031117	2018B1855	BL46XU	柴山 直之	Design of BCP Buffer Layer for Inverted Perovskite Solar Cells using Ideal Factor
			2018B1809	BL19B2	中村 唯我	
			2018B1862	BL19B2	中村 唯我	
			2018B1868	BL46XU	柴山 直之	

The Chemical Record

37409	Xiao Zhao	(2018) Online publication 19 Oct. 2018	2016A7800	BL36XU	岩澤 康裕	Key Factors for Simultaneous Improvements of Performance and Durability of Core-Shell Pt ₃ Ni/Carbon Electrocatalysts Toward Superior Polymer Electrolyte Fuel Cell
			2016B7800	BL36XU	岩澤 康裕	
			2016B7806	BL36XU	岩澤 康裕	
			2017A7800	BL36XU	岩澤 康裕	
			2017A7803	BL36XU	岩澤 康裕	
			2017A7806	BL36XU	岩澤 康裕	
			2017B7800	BL36XU	岩澤 康裕	
37635	Hiroyuki Asakura	(2019) Online published 21 Jan. 2019	2015A1470	BL01B1	河村 直己	Local Structure Study of Lanthanide Elements by X-ray Absorption Near Edge Structure Spectroscopy
			2015B1260	BL39XU	朝倉 博行	
			2016A1159	BL39XU	朝倉 博行	
			2016A1837	BL39XU	河村 直己	

Chemical Science

37286	Nobuto Yoshinari	10 (2019) 587-593	2015B1237	BL02B1	吉成 信人	Mobility of Hydrated Alkali Metal Ions in Metallo-supramolecular Ionic Crystals
			2015B1241	BL02B2	吉成 信人	
			2016A1073	BL02B2	吉成 信人	
37448	Hirokazu Kobayashi	10 (2019) 3289-3294	2018A1753	BL14B2	荻原 直希	Charge Transfer Dependence on CO ₂ Hydrogenation Activity to Methanol in Cu Nanoparticles Covered with Metal-Organic Framework Systems

Communications Biology

37591	Everly Conway de Macario	2 (2019) 103	2015B1195	BL40XU	養王田 正文	Bridging Human Chaperonopathies and Microbial Chaperonins
37615	Wen Ching Wang	2 (2019) 105	2013B4013	BL12B2	Wang Wen Ching	Mutations in the PKM2 Exon-10 Region are Associated with Reduced Allostery and Increased Nuclear Translocation
			2013A4005	BL12B2	Wang Wen Ching	
			2014B4000	BL12B2	Wang Wen Ching	

Comptes Rendus Geoscience

37389	Suguru Takahashi	(2019) Available online 14 Jan. 2019	2016A1180	BL35XU	坂巻 竜也	Sound Velocity of Fe ₃ C at High Pressure and High Temperature Determined by Inelastic X-ray Scattering
			2016B1112	BL35XU	坂巻 竜也	
			2014B1269	BL35XU	坂巻 竜也	
			2014B1465	BL35XU	大谷 栄治	
			2015A1539	BL35XU	大谷 栄治	
			2015A1627	BL35XU	坂巻 竜也	
			2015B1202	BL35XU	坂巻 竜也	
			2015B1334	BL35XU	大谷 栄治	
			2016A1171	BL35XU	大谷 栄治	
			2016B1419	BL35XU	大谷 栄治	
37392	Hidenori Terasaki	(2018) Available online 12 Nov. 2018	2011B1278	BL20B2	寺崎 英紀	Sound Velocity and Density of Liquid Ni ₈₈ S ₃₂ under Pressure using Ultrasonic and X-ray Absorption with Tomography Methods
			2011B1355	BL20B2	浦川 啓	
			2012A1481	BL20B2	寺崎 英紀	
			2013A1072	BL20XU	寺崎 英紀	
			2014B1319	BL04B1	寺崎 英紀	

International Journal of Microgravity Science and Application

37379	Takayoshi Kinoshita	36 (2019) 360102	2016A6616	BL44XU	木下 誉富	A Microgravity Environment Improves Structural Resolution and Endows Cues for Specific Inhibition of Mitogen-Activated Protein Kinase Kinase 7
			2016B6616	BL44XU	木下 誉富	
37436	Teruya Nakamura	36 (2019) 360103	2017A6761	BL44XU	山縣 ゆり子	X-ray Structure Analysis of Human Oxidized Nucleotide Hydrolase MTH1 using Crystals Obtained under Microgravity

Journal of Physics: Condensed Matter

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
37459	Takahiro Matsuoka	31 (2019) 185501	2015B4252	BL12XU	松岡 岳洋	Plasmons in Li under Compression
			2014A4264	BL12XU	松岡 岳洋	
			2015A4251	BL12XU	松岡 岳洋	
37485	Ryohei Tsuruta	31 (2019) 154001	2016A1676	BL19B2	水野 裕太	Evolution of Crystallinity at a Well-Defined Molecular Interface of Epitaxial C ₆₀ on the Single Crystal Rubrene
			2016B1612	BL46XU	中山 泰生	
			2017A1570	BL46XU	中山 泰生	
			2017A1815	BL19B2	中山 泰生	

Journal of Power Sources

37543	Jun Maruyama	324 (2016) 521-527	2014A1021	BL14B2	内本 喜晴	Carbonaceous Thin Films Coating with Fe-N ₄ Site for Enhancement of Dioxovanadium Ion Reduction
			2015B1809	BL01B1	折笠 有基	
37565	Takamasa Nonaka	419 (2019) 203-207	2016A7008	BL33XU	野中 敬正	In situ X-ray Raman Scattering Spectroscopy of a Graphite Electrode for Lithium-Ion Batteries
			2016B7008	BL33XU	野中 敬正	
			2017A7008	BL33XU	野中 敬正	
			2017B7008	BL33XU	野中 敬正	

Macromolecules

37437	Hiroki Ogawa	51 (2018) 10040-10051	2017B7283	BL03XU	竹中 幹人	Order-Order Transition Processes of Thin-Film Symmetric and Asymmetric PS- <i>b</i> -P2VP during Spin Coating
			2017B1949	BL03XU	小川 紘樹	
			2016B1934	BL03XU	小川 紘樹	
			理研	BL45XU		
37575	Haruko Miyase	50 (2017) 979-986	2015B1539	BL40XU	高野 敦志	Kaleidoscopic Tiling Patterns with Large Unit Cells from ABC Star-Shaped Terpolymer/Diblock Copolymer Blends with Hydrogen Bonding Interaction
			2014A1446	BL40XU	高野 敦志	

Materials Transactions

37428	Kazufumi Sato	60 (2019) 254-262	2014B1597	BL40XU	松本 克史	Mechanical Properties and Nanostructure of Multi-Layered Al-Zn-Mg Alloy with Compositional Gradient
			2015A1684	BL40XU	松本 克史	
			2015B1597	BL40XU	松本 克史	
			2016B1580	BL40XU	松本 克史	
			2017A1597	BL40XU	松本 克史	
37467	Ryunosuke Soma	60 (2019) 476-478	2015A1255	BL17SU	松井 利之	Directional Magnetic Modification of Iron Rhodium Compound by Ion Irradiation and Annealing
			2012B1413	BL25SU	松井 利之	

Nano Energy

37510	Yusuke Ide	59 (2019) 162-168	2015B1084	BL04B2	富中 悟史	Microporous Materials Formed via Intercalation of Ultrathin Coordination Polymers in a Layered Silicate
			2016A1841	BL04B2	尾原 幸治	
37538	Yanyan Zheng	59 (2019) 311-320	2015A0074	BL02B2	森吉 千佳子	Extraordinary Thermoelectric Performance in MgAgSb Alloy with Ultralow Thermal Conductivity

Organic Letters

37287	Rei Tomifuji	20 (2018) 7474-7477	2017B1748	BL14B2	富藤 玲	FeCl ₃ as an Ion-Pairing Lewis Acid Catalyst. Formation of Highly Lewis Acidic FeCl ₂ ⁺ and Thermodynamically Stable FeCl ₄ ⁻ To Catalyze the Aza-Diels-Alder Reaction with High Turnover Frequency
			2017A1700	BL14B2	前田 和輝	
			2016B1766	BL14B2	高橋 俊文	
			2016A1680	BL14B2	前田 和輝	
			2015B1770	BL14B2	黒田 大樹	
			2016A1549	BL14B2	倉橋 拓也	
			2018A1690	BL14B2	高橋 俊文	
37420	Hiroyuki Shimogawa	20 (2018) 5135-5138	2015B1074	BL40XU	笹森 貴裕	NIR-Absorbing Dye Based on BF ₂ -Bridged Azafulvene Dimer as a Strong Electron-Accepting Unit
			2014B1556	BL38B1	若宮 淳志	
			2014A1403	BL38B1	若宮 淳志	

Physical Review A

37468	Edwin Kukkk	99 (2019) 023411	2017B8050	BL1	Kukk Edwin	Coulomb Implosion of Tetrabromothiophene Observed under Multiphoton Ionization by Free-Electron-Laser Soft-X-ray Pulses
37552	Tao Xiong	98 (2018) 042509	2017A4263	BL12XU	Zhu LinFan	Optical Oscillator Strengths of the Vibronic Excitations of Molecular Deuterium Determined by the Dipole (γ, γ) Method
			2017B4253	BL12XU	Zhu LinFan	

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
37381	Takeshi Murakawa	116 (2019) 135-140	2015A1065	BL38B1	村川 武志	<i>In crystallo</i> Thermodynamic Analysis of Conformational Change of the Topaquinone Cofactor in Bacterial Copper Amine Oxidase
			2014B1148	BL38B1	村川 武志	
			2016A2522	BL38B1	村川 武志	
			2017A2544	BL38B1	村川 武志	
			2018A2513	BL38B1	村川 武志	
			2014A1850	BL38B1	馬場 清喜	
			2014B1965	BL38B1	馬場 清喜	
			2015A1994	BL38B1	馬場 清喜	
			2015B1979	BL38B1	馬場 清喜	
			2016A1825	BL38B1	馬場 清喜	
			2016B1976	BL38B1	馬場 清喜	
			2017A1854	BL38B1	馬場 清喜	
			2017A2562	BL38B1	馬場 清喜	
			2017A2562	BL26B1	馬場 清喜	
2018A2537	BL38B1	馬場 清喜				
2018A2537	BL26B1	馬場 清喜				
37407	Naoki Tsunekawa	115 (2018) 12722-12727	2018A0144 2016A0133	BL41XU BL41XU	豊島 近 豊島 近	Mechanism of the E2 to E1 Transition in Ca ²⁺ Pump Revealed by Crystal Structures of Gating Residue Mutants

Science Advances

37398	Takayuki Kojima	4 (2018) eaat6063	2017B4905	BL15XU	小嶋 隆幸	Catalysis-Tunable Heusler Alloys in Selective Hydrogenation of Alkynes: A New Potential for Old Materials
37340	Tsuyoshi Oshima	5 (2019) eaau9060	2015A6518	BL44XU	木下 誉富	Cell-Based Screen Identifies a New Potent and Highly Selective CK2 Inhibitor for Modulation of Circadian Rhythms and Cancer Cell Growth

Semiconductor Science and Technology

37430	Kazuki Shida	33 (2018) 124005	2017B1681	BL13XU	志田 和己	Depth-Resolved Analysis of Lattice Distortions in High-Ge-Content SiGe/Compositionally Graded SiGe Films using Nanobeam X-ray Diffraction
			2018A1657	BL13XU	志田 和己	
			2014B1549	BL13XU	酒井 朗	
			2017A1341	BL13XU	竹内 正太郎	
37444	Ryo Nagai	33 (2018) 124021	2017B1540	BL47XU	宮崎 誠一	Characterization of Electron Charging and Transport Properties of Si-QDs with Phosphorus Doped Ge Core

Solid State Ionics

37349	Kazuki Chiba	333 (2019) 9-15	2017B1807	BL19B2	井手本 康	A Novel Synthetic Route of Micrometer-Sized LiCoMnO ₄ as 5V Cathode Material for Advanced Lithium Ion Batteries
37603	Yusuke Daiko	335 (2019) 151-155	2015A1446	BL04B2	大幸 裕介	Dynamics of Proton Infiltration into Binary MO-P ₂ O ₅ (M=Ca, Sr) Phosphate Glasses

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

37466	Takashi Doi	83 (2019) 54-58	2013A1160	BL28B2	土井 教史	<i>In-Situ</i> Measurement of the Internal Stress Distribution Change of TT600 by Energy-Dispersive X-ray Diffraction with White X-ray Micro Beam
			2012B1207	BL28B2	土井 教史	
			2016A1543	BL28B2	土井 教史	
			2016B1570	BL28B2	土井 教史	
37671	Wataru Ogawa	83 (2019) 128-135	2017B1599	BL19B2	小川 渉	Effect of Metal Structure on Damping Characteristics of Cymbals

ACS Applied Bio Materials

37626	Hiroki Kawauchi	2 (2019) 1652-1659	2018B1370	BL45XU	櫻井 和朗	Encapsulation of Albumin in Organic Nanotube Channel: Structural Investigation by Small-Angle X-ray Scattering
			2017B1354	BL45XU	櫻井 和朗	
			2017B7282	BL03XU	高橋 倫太郎	

ACS Omega

37388	Dinesh Bhalothia	3 (2018) 8733-8744	2016A4133	BL12B2	Chen Tsan Yao	Programming ORR Activity of Ni/NiO _x @Pd Electrocatalysts via Controlling Depth of Surface-Decorated Atomic Pt Clusters
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Acta Crystallographica Section B

37503	Eiji Nishibori	74 (2018) 651-659	2015A0074	BL02B2	森吉 千佳子	Structure Factors and Charge-Density Study of Diamond at 800 K
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Acta Crystallographica Section D

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
37658	Naoki Saka	74 (2018) 1115-1123	2015A1052	BL26B1	三上 文三	Elucidation of the Mechanism of Interaction between <i>Klebsiella pneumoniae</i> Pullulanase and Cyclodextrin
			2015B6539	BL44XU	三上 文三	
			2016A2540	BL26B1	三上 文三	
			2016B6640	BL44XU	三上 文三	
			2017A2546	BL26B1	三上 文三	
			2017A2547	BL26B1	三上 文三	

Advanced Materials

37601	Yuichiro Watanabe	(2019) Online published 7 Mar. 2019	2015B1633	BL46XU	東原 知哉	Control of Molecular Orientation in Organic Semiconductor Films using Weak Hydrogen Bonds
			2015B1904	BL46XU	尾坂 格	
			2017B1744	BL46XU	宮根 聡	

AIP Advances

37325	Yusuke Hirose	8 (2018) 115017	2016B1961	BL39XU	河村 直己	Electronic States of CeT ₂ X ₂₀ (T: Transition Metal, X=Zn and Cd)
			2017A1857	BL39XU	河村 直己	
			2017B1066	BL39XU	河村 直己	
			2018A1047	BL39XU	河村 直己	

Applied Physics Express

37384	Takahiro Ogata	12 (2019) 023005	2017B1381	BL02B2	岡 研吾	Negative Thermal Expansion in Electron Doped PbVO _{3-x} F _x
			2018A1642	BL02B2	尾形 昂洋	

Applied Sciences

37425	Martin Kubli	9 (2019) 525	2016A8021	BL3	Johnson Steven	Kinetics of a Phonon-Mediated Laser-Driven Structural Phase Transition in Sn ₂ P ₂ Se ₆
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Applied Surface Science

37574	Jiayi Tang	480 (2019) 419-426	2017A3835	BL23SU	唐 佳芸	Mass Transport in the PdCu Phase Structures during Hydrogen Adsorption and Absorption Studied by XPS under Hydrogen Atmosphere
			2017A3801	BL23SU	吉越 章隆	
			2017B3801	BL23SU	吉越 章隆	
			2016B7401	BL07LSU	吉信 淳	
			2017A7401	BL07LSU	吉信 淳	
			2017B7401	BL07LSU	吉信 淳	
			2018A7557	BL07LSU	唐 佳芸	

The Astrophysical Journal Supplement Series

37555	Ya Wei Liu	238 (2018) 26	2016A4265	BL12XU	Zhu LinFan	Oscillator Strengths and Integral Cross Sections of the Valence-Shell Excitations of the Oxygen Molecule Studied by Fast Electron and Inelastic X-Ray Scattering
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Autophagy

37362	Byeong-Won Kim	14 (2018) 2104-2116	2017A6775	BL44XU	Song HyunKyu	The C-terminal Region of ATG101 Bridges ULK1 and PtdIns3K Complex in Autophagy Initiation
			2017B6775	BL44XU	Song HyunKyu	

Biochemistry

37476	Tsutomu Kouyama	57 (2018) 6013-6026	2017B2737	BL26B1	神山 勉	Three-Step Isomerization of the Retinal Chromophore during the Anion Pumping Cycle of Halorhodopsin
			2016B2703	BL26B1	神山 勉	

Biomaterials Science

37378	Shigeo Takeda	7 (2019) 1617-1622	2017A1241	BL40B2	西村 智貴	Synthesis and Function of Amphiphilic Glucan Dendrimers as Nanocarriers for Protein Delivery
			2017B1089	BL40B2	西村 智貴	

Biomechanics and Modeling in Mechanobiology

37592	Toshihiro Sera	18 (2019) 375-385	2014A1642	BL20B2	小林 宏明	The Disuse Effect on Canal Network Structure and Oxygen Supply in the Cortical Bones of Rats
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Bulletin of the Chemical Society of Japan

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
37463	Hiroki Miura	91 (2018) 1397-1401	2011A1598	BL04B2	三浦 大樹	Generation of Active Ruthenium Catalysts for Hydroarylation of C-C Multiple Bonds from Isolated Ru(IV)=O Species Supported on CeO ₂
			2015A1411	BL01B1	和田 健司	
			2015B1478	BL28B2	山添 誠司	

Cell

37602	Liang Liu	168 (2017) 121-134	2016B2731	BL41XU	Wang Yanli	Two Distant Catalytic Sites Are Responsible for C2c2 RNase Activities
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Cell Chemical Biology

37315	Amit Shraga	26 (2019) 98-108	2017A6717	BL44XU	木下 誉富	Covalent Docking Identifies a Potent and Selective MKK7 Inhibitor
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ChemBioChem

37458	Wei-Cheng Huang	20 (2019) 140-146	2017A2576	BL32XU	別所 義隆	Binding and Enhanced Binding between Key Immunity Proteins TRAF6 and TIFA
			2018A2514	BL32XU	別所 義隆	

Chemical Engineering Transactions

37383	Ramesh Chitrakar	24 (2011) 1495-1500	2010A1334	BL01B1	山本 孝	Selective Uptake of Phosphate Ions on Nanocomposite of ZrO ₂ and Layered Double Hydroxide
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Chemical Geology

37620	Satoshi Mitsunobu	501 (2018) 51-57	2015B1452	BL01B1	光延 聖	μXAFS and TEM Studies of Fe(III) Oxides Precipitated on Submarine Basaltic Glass from South Pacific Gyre
			2014A1493	BL01B1	光延 聖	
			2014B1267	BL01B1	光延 聖	

Chemistry - A European Journal

37377	Hayder D. J. Arkawazi	25 (2019) 1353-1362	2017B1203	BL02B2	吉成 信人	Complex Phase Behaviour and Structural Transformations of Metal-Organic Frameworks with Mixed Rigid and Flexible Bridging Ligands
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ChemPhysChem

37528	Joshua D. Butson	20 (2019) 745-751	2017A3784	BL22XU	Kim Hyunjeong	Interrogation of the Effect of Polymorphism of a Metal-Organic Framework Host on the Structure of Embedded Pd Guest Nanoparticles
			2017A3751	BL22XU	町田 晃彦	

Construction and Building Materials

37380	Hayato Takahashi	203 (2019) 579-588	2012B1282	BL28B2	杉山 隆文	Application of Non-Destructive Integrated CT-XRD Method to Investigate Alteration of Cementitious Materials Subjected to High Temperature and Pure Water
			2013B1511	BL28B2	杉山 隆文	
			2014A1559	BL28B2	杉山 隆文	
			2014B1010	BL28B2	杉山 隆文	
			2015A1002	BL28B2	杉山 隆文	
			2015B1569	BL28B2	杉山 隆文	
			2016A1532	BL28B2	杉山 隆文	
			2017A1009	BL28B2	杉山 隆文	
			2017B1021	BL28B2	杉山 隆文	
			2018A1565	BL28B2	人見 尚	
			2018A1691	BL28B2	高橋 駿人	
2018B1017	BL28B2	杉山 隆文				

Contributions of Mineralogy and Petrology

37433	Tomohiro Ohuchi	173 (2018) 88	2017B1184	BL04B1	大内 智博	Semi-Brittle Behavior of Wet Olivine Aggregates: the Role of Aqueous Fluid in Faulting at Upper Mantle Pressures
			2015A0075	BL04B1	入船 徹男	

Crystal Growth & Design

37298	Hiroki Mitsuta	17 (2017) 4622-4627	2016A1514	BL46XU	宮寺 哲彦	Epitaxial Growth of C ₆₀ on Rubrene Single Crystals for a Highly Ordered Organic Donor/Acceptor Interface
			2016B1861	BL46XU	宮寺 哲彦	

ECS Transactions

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
37427	Yuki Takahashi	86 (2018) 329-336	2016A1529	BL19B2	小椋 厚志	Evaluation of Anisotropic Three-Dimensional Strain Relaxation in Stripe-Shaped Ge _{1-x} Sn _x Mesa Structure
			2017A1702	BL19B2	須田 耕平	
			2017B1843	BL19B2	横川 凌	
			2017B1930	BL19B2	横川 凌	
			2018A1796	BL19B2	横川 凌	
2018A1694	BL19B2	横川 凌				

EMBO Reports

37622	Vladimir A. Meshcheryakov	20 (2019) e46340	2014B1341	BL38B1	Meshcheryakov Vladimir	High-Resolution Archaelum Structure Reveals a Conserved Metal-Binding Site
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eXPRESS Polymer Letters

37284	Kenichi Ozawa	13 (2019) 214-222	2015B1578	BL47XU	小澤 健一	Hard X-ray Photoelectron Spectroscopy Study of Thermal Effect on Chemical State of Sulfur in Rubber Compound
			2015A1663	BL47XU	小澤 健一	

The FEBS Journal

37502	Kengo Kitadokoro	(2019) Online published 14 Feb. 2019	2018A6813	BL44XU	北所 健悟	Structural Insights into the Unique Poly(lactate)-Degrading Mechanism of <i>Thermobifida alba</i> Cutinase
			2018B6813	BL44XU	北所 健悟	
			2017A6716	BL44XU	北所 健悟	
			2017B6716	BL44XU	北所 健悟	
			2016A6615	BL44XU	北所 健悟	
			2016B6615	BL44XU	北所 健悟	
			2015A6516	BL44XU	北所 健悟	
2015B6516	BL44XU	北所 健悟				

Ferroelectrics

37472	Kenji Ohwada	532 (2018) 100-110	2012A3713	BL22XU	大和田 謙二	Polarization Rotation Associated with Phonon Dynamics in Monoclinic C Phase Near Morphotropic Phase Boundary Studied by Diffuse and Inelastic X-ray Scattering from a Ti-Composition-Gradient Pb[(Mg _{1/3} Nb _{2/3}) _{1-x} Ti _x]O ₃ Single Crystal
			2012B1658	BL35XU	清水 大輔	
			2013A3713	BL22XU	大和田 謙二	

Frontiers in Pharmacology

37309	Yukiko Miyazaki	9 (2018) 997	2017A6722	BL44XU	志波 智生	Selective Cytotoxicity of Dihydroorotate Dehydrogenase Inhibitors to Human Cancer Cells Under Hypoxia and Nutrient-Deprived Conditions
			2015A6535	BL44XU	原田 繁春	
			2015B6535	BL44XU	原田 繁春	
			2016A6635	BL44XU	原田 繁春	
			2016B6635	BL44XU	原田 繁春	
2017B6722	BL44XU	志波 智生				

Gels

37301	Kyoko Yamamoto	5 (2019) 3	2018B1362	BL40B2	湯口 宣明	Local Structure of Ca ²⁺ Alginate Hydrogels Gelled via Competitive Ligand Exchange and Measured by Small Angle X-ray Scattering
			2017B1249	BL40B2	湯口 宣明	

Geological Society, London, Special Publications

37323	Masao Uyama	482 (2019) Online publication 14 Jan. 2019	2014A1512	BL28B2	人見 尚	Analysis of Corrosion Mechanisms of Carbon Steel in Contact with FEBEX Bentonite
			2014A1517	BL19B2	人見 尚	
			2014B1606	BL28B2	人見 尚	
			2014B1607	BL19B2	人見 尚	
			2015A1709	BL28B2	人見 尚	
			2015A1711	BL19B2	人見 尚	
			2015B1623	BL28B2	人見 尚	
			2016A1531	BL28B2	鶴山 雅夫	
			2016B1614	BL28B2	人見 尚	
			2017B1627	BL28B2	人見 尚	

Historical Biology

37631	Junyong Wang	(2019) Published online 22 Mar. 2019	2018B1543	BL20B2	Kundrat Martin	Bone Tissue Histology of the Early Cretaceous Bird <i>Yanornis</i> : Evidence for a Diphyletic Origin of Modern Avian Growth Strategies within Ornithomorphs
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International Journal of Biological Macromolecules

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
37579	Hiroataka Tajima	130 (2019) 765-777	2016A1069	BL40B2	今井 友也	Observation of <i>in vitro</i> Cellulose Synthesis by Bacterial Cellulose Synthase with Time-Resolved Small Angle X-ray Scattering
			2017A1049	BL40B2	今井 友也	
			2017B1094	BL40B2	今井 友也	

International Journal of Refrigeration

37327	Rika Kobayashi	99 (2019) 94-100	2014A1788	BL19B2	鈴木 徹	Effect of Supercooling Accompanying the Freezing Process on Ice Crystals and the Quality of Frozen Strawberry Tissue
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Journal of Alloys and Compounds

37382	Masafumi Matsushita	784 (2019) 1284-1289	2017B1274	BL04B1	松下 正史	Ultrafine Spherulite Mg Alloy with High Yield Strength
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Journal of Bacteriology

37535	Yohei Takahashi	(2019) Online publication 11 Feb. 2019	2012B1462	BL41XU	今田 勝巳	Calcium Ions Modulate Amino Acid Sensing of the Chemoreceptor Mlp24 of <i>Vibrio cholerae</i>
			2013A1406	BL41XU	今田 勝巳	
			2015A1097	BL41XU	今田 勝巳	

Journal of Biological Chemistry

37636	Atsushi Furukawa	292 (2017) 21128-21136	2011B1411	BL41XU	尾瀬 農之	Structural and Thermodynamic Analyses Reveal Critical Features of Glycopeptide Recognition by the Human PILRa Immune Cell Receptor
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Journal of Catalysis

37654	Md. A. R. Jamil	371 (2019) 47-56	2018A1757	BL14B2	鳥屋尾 隆	N-Methylation of Amines and Nitroarenes with Methanol using Heterogeneous Platinum Catalysts
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The Journal of Chemical Physics

37554	Ya Wei Liu	150 (2019) 094302	2016A4265	BL12XU	Zhu LinFan	Generalized Oscillator Strengths of the Low-Lying Valence-Shell Excitations of N ₂ , O ₂ , and C ₂ H ₂ Studied by Fast Electron and Inelastic X-ray Scattering
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Journal of Crystal Growth

37523	Takuo Sasaki	512 (2019) 33-36	2015B3503	BL11XU	佐々木 拓生	Real-Time Structural Analysis of InGaAs/InAs/GaAs(111)A Interfaces by <i>in situ</i> Synchrotron X-ray Reciprocal Space Mapping
			2016B3553	BL11XU	佐々木 拓生	

Journal of Electronic Materials

37460	Chanwook Kim	48 (2019) 1456-1460	2017A1064	BL08W	Kim Chanwook	Measurements of the Spin-Selective Magnetic Hysteresis Curve in Fe-3 wt.% Si Alloy Using Magnetic Compton Scattering
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Journal of Energy Storage

37293	Tomoyuki Matsuda	21 (2019) 665-671	2013A1234	BL46XU	今井 英人	Investigation of the Influence of Temperature on the Degradation Mechanism of Commercial Nickel Manganese Cobalt Oxide-Type Lithium-Ion Cells during Long-Term Cycle Tests
			2014A1558	BL46XU	今井 英人	
			2014B1015	BL46XU	今村 大地	
			2014B1594	BL46XU	今井 英人	
			2014B1903	BL46XU	今井 英人	

Journal of Food Science

37451	Ken Morishima	84 (2019) 59-64	2014A1522	BL40B2	中村 典子	Formation of Clusters in Whiskies During the Maturation Process
			2013A1075	BL40B2	中村 典子	

Journal of Forensic Sciences

37651	Yoshinori Nishiwaki	(2018) Online published 10 Dec. 2018	2013B1300	BL08W	西脇 芳典	Forensic Comparison of Automotive Aluminum Wheel Fragments Using Synchrotron Radiation X-ray Fluorescence with 18- and 116-keV Excitation X-rays
			2012B1182	BL08W	西脇 芳典	

Journal of Medicinal 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
37633	Koushi Hidaka	61 (2018) 5138-5153	2014B1313	BL38B1	安達 基泰	Identification of Highly Potent Human Immunodeficiency Virus Type-1 Protease Inhibitors against Lopinavir and Darunavir Resistant Viruses from Allophenylborstatine-Based Peptidomimetics with P2 Tetrahydrofuranlyglycine
			2011A1124	BL41XU	玉田 太郎	

Journal of Molecular Biology

37361	Leehyeon Kim	430 (2018) 2843-2856	2017A6775	BL44XU	Song HyunKyu	Structural and Biochemical Study of the Mono-ADP-Ribosyltransferase Domain of SdeA, a Ubiquitylating/Deubiquitylating Enzyme from <i>Legionella pneumophila</i>
			2017B6775	BL44XU	Song HyunKyu	

Journal of Nanoscience and Nanotechnology

37297	Toshiko Mizokuro	18 (2018) 2702-2710	2014B1614	BL46XU	宮寺 哲彦	Organic Photovoltaic Devices Based on Oriented <i>n</i> -Type Molecular Films Deposited on Oriented Polythiophene Films
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Journal of Non-Crystalline Solids: X

37496	Masanori Inui	1 (2019) 100006	2012B1343	BL35XU	乾 雅祝	Dynamical Sound Speed and Structural Inhomogeneity in Liquid Te Studied by Inelastic X-ray Scattering
			2015B1178	BL35XU	乾 雅祝	

Journal of Oleo Science

37541	Hiroshi Takahashi	68 (2019) 273-280	2016B1577	BL43IR	高橋 浩	Synchrotron FTIR Micro-Spectroscopy Studies Demonstrate the Release of Ceramide Molecules from a Ceramide-Containing UV-Curable Acrylic Adhesive Resin
			2015B1581	BL43IR	高橋 浩	
			2016A1511	BL43IR	高橋 浩	

The Journal of Organic Chemistry

37612	Zhe Sun	84 (2019) 3500-3507	2016B1489	BL38B1	佐藤 宗太	Synthesis, Structures, and Assembly of Geodesic Phenine Frameworks with Isorecticular Networks of [<i>n</i>]Cyclo- <i>para</i> -phenylenes
			2017A1439	BL38B1	佐藤 宗太	
			2017B1263	BL38B1	佐藤 宗太	

The Journal of Physical Chemistry Letters

37486	Yasuo Nakayama	10 (2019) 1312-1318	2016A1676	BL19B2	水野 裕太	Widely Dispersed Intermolecular Valence Bands of Epitaxially Grown Perfluoropentacene on Pentacene Single Crystals
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Journal of Physics Communications

37454	Shinichirou Minemoto	2 (2018) 115015	2017B8011	BL1	峰本 紳一郎	Time-Resolved Photoelectron Angular Distributions from Nonadiabatically Aligned CO ₂ Molecules with SX-FEL at SACLA
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The Journal of Supercritical Fluids

37680	Tomoki Fujita	147 (2019) 172-178	2014A0078	BL02B1	Iversen Bo	Hydrothermal Reactor for in-situ Synchrotron Radiation Powder Diffraction at SPing-8 BL02B2 for Quantitative Design for Nanoparticle
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Journal of Surface Analysis

37684	Koji Nakanishi	25 (2018) 90-102	2015A1407	BL27SU	中西 康次	Investigation of Charge Compensation Mechanism of LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ Positive Electrode during Initial Charge Process by <i>Operando</i> Soft X-ray XAFS Measurement
			2015A1408	BL27SU	中西 康次	
			2015B1015	BL27SU	小久見 善八	

Journal of Synchrotron Radiation

37583	Hiroo Tajiri	(2019) Online published 17 Apr. 2019	2011B1042	BL13XU	田尻 寛男	A Middle Energy-Bandwidth X-ray Monochromator for High-Flux Synchrotron Diffraction: Revisiting Asymmetrically Cut Silicon Crystals
			2012B1296	BL13XU	田尻 寛男	
			2014A1904	BL13XU	田尻 寛男	
			2014B1102	BL13XU	坂田 修身	
			2014B1946	BL13XU	田尻 寛男	
			2017A1868	BL13XU	田尻 寛男	
2017B1975	BL13XU	田尻 寛男				

Journal of the American Ceramic Society

37537	Naoki Matsui	102 (2018) 3228-3235	2017A1792	BL19B2	松井 直喜	Ambient Pressure Synthesis of La ₂ LiHO ₃ as a Solid Electrolyte for a Hydrogen Electrochemical Cell
			2017B1840	BL19B2	松井 直喜	

Journal of the Physical Society of Japan

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
37508	Akihisa Koizumi	88 (2019) 034714	2013A1193	BL08W	芳賀 芳範	Electronic Structure in Heavy Fermion Compound UPd ₂ Al ₃ through Directional Compton Profile Measurement

Journal of Thermal Science and Technology

37487	Ryosuke Matsumoto	13 (2018) JTST0014	2016B1476	BL20B2	松本 亮介	Three-Dimensional Microstructure of Frost Layer Measured by using X-ray μ CT
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JPS Conference Proceedings

37474	Hidenori Toyokawa	24 (2019) 011015	2016B3655	BL14B1	城 鮎美	Development of CdTe Pixel Detectors for Energy-Resolved X-ray Diffractions
			2017A1855	BL04B2	尾原 幸治	
			2017A3653	BL14B1	安田 良	
			2017B3653	BL14B1	安田 良	

Macromolecular Chemistry and Physics

37328	Ken Kojio	220 (2019) 1800371	2015A1582	BL40XU	高原 淳	Effect of Blend Composition on Scratch Behavior of Polystyrene/Poly(2,6-dimethyl-1,4-phenyleneoxide) Blends
			2015A1514	BL40XU	小椎尾 謙	
			2015B1325	BL40XU	小椎尾 謙	
			2016A1012	BL40XU	高原 淳	
			2016B1032	BL40XU	高原 淳	
			2016B1436	BL40XU	小椎尾 謙	
			2016A1414	BL40XU	小椎尾 謙	

Materials Characterization

37490	Yutaka Yoshida	146 (2018) 121-126	2014B1621	BL28B2	柴野 純一	Crystal Rotation and Microstructures in an Aluminum Single-Slip System under Tensile Loading
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Materials Research Proceedings

37285	Kenji Suzuki	6 (2018) 69-74	2017A3737	BL22XU	鈴木 賢治	Stress Measurements of Coarse Grain Materials using Double Exposure Method with Hard Synchrotron X-Rays
			2018B3684	BL14B1	鈴木 賢治	

Materials Science Forum

37294	Mutsumi Sano	941 (2018) 2024-2029	2017B1357	BL02B1	佐野 睦	Dislocation Densities in Dispersion-Strengthened Copper with Aluminum Oxide from X-Ray Line Profile Analysis
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Measurement Science and Technology

37442	Leise Borg	28 (2017) 124004	2015A1147	BL20XU	Yang Yi	Reduction of Variable-Truncation Artifacts from Beam Occlusion during <i>in situ</i> X-ray Tomography
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Microscopy

37560	Daisuke Yamauchi	68 (2019) 92-97	2011A1414	BL20XU	峰雪 芳宣	Use of Ionic Liquid for X-ray Micro-CT Specimen Preparation of Imbibed Seeds
			2012B1119	BL20B2	唐原 一郎	
			2012B1158	BL20B2	山内 大輔	
			2014A1265	BL20XU	峰雪 芳宣	
			2014A1306	BL20B2	山内 大輔	
			2014B1225	BL20B2	唐原 一郎	
			2015B1556	BL20B2	唐原 一郎	
			2016A1390	BL47XU	峰雪 芳宣	
			2016B1371	BL20B2	山内 大輔	
			2017B1225	BL20B2	山内 大輔	

Microscopy and Microanalysis

37408	Kotaro Higashi	24 (2018) 442-443	2015A7805	BL36XU	岩澤 康裕	<i>In-situ</i> 3D CT-XAFS Imaging of Pt/C Cathode Catalysts in Polymer Electrolyte Fuel Cell during Degradation Processes by Anode Gas Exchange Cycles
			2015B7805	BL36XU	岩澤 康裕	
			2016A7805	BL36XU	岩澤 康裕	
			2016B7805	BL36XU	岩澤 康裕	
			2017A7805	BL36XU	岩澤 康裕	
			2017A7840	BL36XU	岩澤 康裕	
			2017B7840	BL36XU	岩澤 康裕	

Mineral 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
37491	Tatsuya Kato	134 (2019) 365-371	2018A1798	BL14B2	加藤 達也	Mechanism and Kinetics of Enhancement of Cerium Dissolution from Weathered Residual Rare Earth Ore by Planetary Ball Milling

Molecular Biology and Physiology

37604	Norihiro Takekawa	10 (2019) e00292-19	2015A1084	BL41XU	今田 勝巳	Structure of <i>Vibrio</i> FilL, a New Stomatin-like Protein That Assists the Bacterial Flagellar Motor Function
			2016A2541	BL41XU	今田 勝巳	
			2017A2588	BL41XU	今田 勝巳	

Molecular Cell

37512	Shintaro Iwasaki	73 (2019) 738-748	2017B2727	BL41XU	伊藤 拓宏	The Translation Inhibitor Rocaglamide Targets a Bimolecular Cavity between eIF4A and Polypurine RNA
			2017A2581	BL41XU	伊藤 拓宏	

Molecules

37505	Tsukasa Usuki	24 (2019) 521	2015A0074	BL02B2	森吉 千佳子	Effects of Substituents on the Blue Luminescence of Disilane-Linked Donor-Acceptor-Donor Triads
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Nanoscale

37391	I-Li Chen	7 (2015) 15450-15461	2014B4137	BL12B2	Chen Tsan Yao	Local Structure Distortion Induced by Ti Dopants Boosting the Pseudocapacitance of RuO ₂ -Based Supercapacitors
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Nanoscale Advances

37551	Chulho Song	1 (2019) 546-553	2017A1034	BL04B2	坂田 修身	Correlation between the Electronic/Local Structure and CO-Oxidation Activity of Pd ₂ Ru _{1-x} Alloy Nanoparticles
			2016B1033	BL01B1	坂田 修身	
			2012B4907	BL15XU	北川 宏	
			2016B4910	BL15XU	草田 康平	
			2017A4910	BL15XU	草田 康平	
			2016A1028	BL04B2	坂田 修身	
			2016B0134	BL04B2	小原 真司	

Nature Photonics

37679	Ichiro Inoue	13 (2019) 319-322	2018A8040	BL3	井上 伊知郎	Generation of Narrow-Band X-ray Free-Electron Laser via Reflection Self-Seeding
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Nature Structural and Molecular Biology

37597	Kanakano Terakado Kimura	26 (2019) 121-128	2017A2524	BL32XU	岩田 想	Structures of the 5-HT _{2A} Receptor in Complex with the Antipsychotics Risperidone and Zotepine
			2013A1379	BL32XU	島村 達郎	
			2013B1184	BL32XU	島村 達郎	
			2014A1301	BL32XU	島村 達郎	
			2014B1273	BL32XU	島村 達郎	
			2015A1044	BL32XU	浅田 秀基	
			2015A1080	BL32XU	島村 達郎	

Organic Process Research & Development

37319	Takeharu Yoshii	22 (2018) 1580-1585	2017B1081	BL01B1	桑原 泰隆	Effects of Carbon Support Nanostructures on the Reactivity of a Ru Nanoparticle Catalyst in a Hydrogen Transfer Reaction
			2017B1084	BL01B1	森 浩亮	
			2018A1144	BL01B1	森 浩亮	

Peptide Science 2018

37589	Keiichi Hasegawa	(2019) 35	2013A1528	BL41XU	永田 宏次	Expression, Purification, Crystallization and Preliminary X-ray Crystallographic Studies of FsrC, the Cell Surface Receptor of the Cyclic Peptide Quorumone GBAP
			2013B1491	BL41XU	永田 宏次	
			2014A1479	BL41XU	永田 宏次	
			2014A6935	BL44XU	永田 宏次	
			2014B1179	BL41XU	永田 宏次	
			2016A2509	BL41XU	永田 宏次	
			2016A6628	BL44XU	永田 宏次	
			2016B6628	BL44XU	永田 宏次	
			2017B6733	BL44XU	永田 宏次	

Physica 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
37358	Kazuo Soda	558 (2019) 54-58	2015A1164	BL43IR	曾田 一雄	Infrared Spectroscopy on Electronic Structures of Platinum-Group Metal Permittides MN_2 ($M = Ru, Rh, Ir, \text{ and } Pt$)
			2016A1074	BL43IR	曾田 一雄	
			2017A1147	BL43IR	曾田 一雄	

Physica Status Solidi - Rapid Research Letters

37453	Tooru Wakamatsu	11 (2017) 1700009	2017B1182	BL02B2	谷口 博基	Improper Ferroelectrics as High-Efficiency Energy Conversion Materials
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Physica Status Solidi B

37283	Tsubasa Tobase	255 (2018) 1800090	2014B1043	BL04B2	吉朝 朗	Pre-Transitional Behavior in Tetragonal to Cubic Phase Transition in HfO_2 Revealed by High Temperature Diffraction Experiments
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Physical Chemistry Chemical Physics

37396	Kenta Yoshida	19 (2017) 24445-24447	2016B1481	BL40B2	櫻井 和朗	Cross-Sectional Structures of a Molecular Monolayer Nanotube Explored with SAXS: Evidence for the Parallel Orientation of the Headgroups in Asymmetric Bolaamphiphiles
			2016A1242	BL40B2	櫻井 和朗	

Physical Review Letters

37372	James Harries	121 (2018) 263201	2017A8012	BL1	Harries James	Superfluorescence, Free-Induction Decay, and Four-Wave Mixing: Propagation of Free-Electron Laser Pulses through a Dense Sample of Helium Ions
			2017B8083	BL1	岩山 洋士	
			2018A8013	BL1	Harries James	

Physical Review Materials

37618	Yoshifumi Sakaguchi	3 (2019) 035601	2016B1414	BL04B2	坂口 佳史	Structural Transformation in Ge_xS_{100-x} ($10 \leq x \leq 40$) Network Glasses: Structural Varieties in Short-Range, Medium-Range, and Nanoscopic Scale
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PLoS Biology

37310	Yasuyuki Matoba	16 (2018) e3000077	2013A1078	BL38B1	的場 康幸	Catalytic Mechanism of the Tyrosinase Reaction toward the Tyr ⁶⁶ Residue in the Caddie Protein
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Polymer

37495	Ren Tomisawa	164 (2019) 163-173	2017A7212	BL03XU	中田 克	Effects of Dimensions and Regularity on the Mechanical Properties of the Smectic Phase Formed during Orientation-Induced Crystallization of Poly(ethylene terephthalate)
			2015B7263	BL03XU	中田 克	

Polymers

37530	Yusuke Akino	11 (2019) 382	2015B1760	BL40B2	金澤 諭史	Effect of Hydration in Corona Layer on Structural Change of Thermo-Responsive Polymer Micelles
			2016A1626	BL40B2	金澤 諭史	
			2016A1354	BL40B2	秋葉 勇	
			2016B1274	BL40B2	秋葉 勇	
			2017A1238	BL40B2	秋葉 勇	
			2017A1246	BL40B2	秋葉 勇	

Proceedings of SPIE

37596	Kurumi Saito	10953 (2019) 109530G	2018B1662	BL20B2	齊藤 くるみ	Pulmonary Blood Vessels Extraction from Dual-Energy CT Images using a Synchrotron Radiation Micro-CT
			2018B1005	BL20B2	仁木 登	
			2018A1002	BL20B2	仁木 登	
			2017A1568	BL20B2	守本 達郎	

Proceedings of The Third International Anammox Symposium

37621	Daisuke Hira	(2015) 56-57	2015A1123	BL26B1	平 大輔	Structure and Function of Copper-Containing Nitrite Reductase and its Electron Donor Protein from the Anammox Bacterium KSU-1
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Progress in Nuclear Science and Technology

37521	Masahiko Nakase	5 (2018) 56-60	2016B3508	BL11XU	中瀬 正彦	Extended X-ray Absorption Fine Structure Study on Gel/Liquid Extraction of f-block Elements
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Protein 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
37313	Masatsugu Ono	27 (2018) 1038-1046	2016A2570	BL41XU	野村 紀通	Structural Basis for Tumor Necrosis Factor Blockade with the Therapeutic Antibody Golimumab
			2017A2579	BL41XU	野村 紀通	

Review of Scientific Instruments

37480	Haruhiko Ohashi	90 (2019) 021704	2015B2009	BL25SU	仙波 泰徳	Effective Protocol for Realizing Contamination-Free X-ray Reflective Optics
			2016B1969	BL25SU	仙波 泰徳	
			2017A1873	BL25SU	仙波 泰徳	
			2018A2063	BL25SU	小谷 佳範	

Science

37373	Zhe Sun	363 (2019) 151-155	2018A1064	BL38B1	佐藤 宗太	Finite Pherine Nanotubes with Periodic Vacancy Defects
			2018A1257	BL38B1	佐藤 宗太	

SIAM Journal on Imaging Sciences

37443	Leise Borg	11 (2018) 2786-2814	2015A1147	BL20XU	Yang Yi	Analyzing Reconstruction Artifacts from Arbitrary Incomplete X-ray CT Data
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Solvent Extraction and Ion Exchange

37520	Masahiko Nakase	36 (2018) 633-646	2016A3504	BL11XU	塩飽 秀啓	Relationship Between Structure and Coordination Strength of <i>N</i> and <i>N,O</i> -Hybrid Donor Ligands with Trivalent Lanthanides
			2014B3504	BL11XU	塩飽 秀啓	
			2015A3504	BL11XU	塩飽 秀啓	
			2015B3504	BL11XU	塩飽 秀啓	

Structural Chemistry

37317	Masahito Uchikoshi	30 (2019) 61-74	2008A1941	BL14B2	打越 雅仁	Determination of Structures of Cupric-Chloro Complexes in Hydrochloric Acid Solutions by UV-Vis and X-ray Absorption Spectroscopy
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Surface Science

37545	Munetaka Taguchi	683 (2019) 53-56	2010A1468	BL25SU	大門 寛	Disorder and Mixed Valence Properties of Sr ₂ FeMoO ₆ Studied by Photoelectron Diffraction and X-ray Absorption Spectroscopy
			2013A1627	BL27SU	北川 哲	

Thin Solid Films

37360	Kazutaka Tomita	665 (2018) 85-90	2017B1831	BL46XU	尾坂 格	Structure Control of a Zinc Tetraphenylporphyrin Thin Film by Vapor Annealing using Fluorine Containing Solvent
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Translational Psychiatry

37475	Ryuta Mizutani	9 (2019) 85	2011A0034	BL20XU	水谷 隆太	Three-Dimensional Alteration of Neurites in Schizophrenia
			2011A0034	BL47XU	水谷 隆太	
			2014A1057	BL37XU	水谷 隆太	
			2015A1160	BL20XU	水谷 隆太	
			2015B1101	BL20XU	水谷 隆太	
			2017A1143	BL37XU	水谷 隆太	
			2018A1164	BL20XU	水谷 隆太	
			2018B1187	BL37XU	水谷 隆太	

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

37683	Koji Nakanishi	50 (2019) 299-311	2015A7601	BL28XU	小久見 善八	Development of Spectro-Electrochemical Cell for <i>Operando</i> XAFS of All-Solid-State Batteries
			2016B7605	BL28XU	松原 英一郎	
			2017A7605	BL28XU	松原 英一郎	
			2017B7605	BL28XU	松原 英一郎	
			2018A7605	BL28XU	松原 英一郎	
			2018B7605	BL28XU	松原 英一郎	

軽金属 (Journal of Japan Institute of Light Metals)

37375	Tomohiko Hojo	68 (2018) 630-634	2015B1079	BL20XU	北條 智彦	Size and Distribution of Micropores and Voids in 5052 Aluminum Alloys during Tensile Deformation
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高分子論文集 (Japanese Journal of Polymer Science and Technology)

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
37357	Masaki Kinoshita	76 (2019) 68-73	2015B1760	BL40B2	金澤 諭史	Study on the Anomalous Small-Angle X-Ray Scattering on Structural Change in pH-Responsive Polymer Micelles
			2015B1486	BL40B2	秋葉 勇	
			2016A1626	BL40B2	金澤 諭史	
			2016A1354	BL40B2	秋葉 勇	

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

37598	Kun Li	68 (2019) 6-12	2015A1237	BL45XU	松葉 豪	The Molecular Weight Dependence of Crystal Growth Process of Isotactic Polypropylene under Shear Flow
			2016A1257	BL40B2	松葉 豪	

繊維学会誌 (Journal of the Society of Fiber Science and Technology, Japan)

37493	Tatsuya Himeno	71 (2015) 310-316	2013B1080	BL40B2	大越 豊	Laser-Heated Drawing of Syndiotactic Polystyrene Fiber
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鉄と鋼 (Tetsu to Hagane)

37546	Yutaro Amemiya	105 (2019) 314-323	2015B1619	BL28B2	中田 伸生	Dynamic Accommodation of Internal Stress and Selection of Crystallographic Orientation Relationship in Pearlite
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粉体および粉末冶金 (Journal of the Japan Society of Powder and Powder Metallurgy)

37303	Yasushi Idemoto	65 (2018) 756-760	2011A1853	BL19B2	井手本 康	Crystal and Electronic Structures, and Oxide-Ion Conduction Path of $\text{Pr}_{1+x}\text{Sr}_{1-x}\text{Ga}_3\text{O}_{7+x/2}$
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粉体工学会誌 (Journal of the Society of Powder Technology, Japan)

37595	Tatsuya Kato	56 (2019) 136-141	2018A1696	BL14B2	所 千晴	Quantitative Modeling Incorporating Surface Complexation for Zinc Removal Using Leaf Mold
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博士論文 (大阪大学)

37415	Katsuhiko Hayashi	(2017)	2014A6934	BL44XU	中島 良介	Structural Analysis of RND-type Multidrug Efflux System in Functional Status
			2015A6527	BL44XU	中島 良介	
			2017A6731	BL44XU	中島 良介	
37623	Akiyuki Ryoki	(2019)	2013A1046	BL40B2	寺尾 憲	Solution Properties and Chiral Separation Ability of Cyclic Amylose Carbamates
			2013B1647	BL40B2	近藤 優壮	
			2014B1087	BL40B2	寺尾 憲	
			2014B1715	BL40B2	高橋 倫太郎	
			2015A1179	BL40B2	寺尾 憲	
			2015B1100	BL40B2	寺尾 憲	
			2016A1053	BL40B2	寺尾 憲	
			2016B1088	BL40B2	寺尾 憲	
2017B1062	BL40B2	寺尾 憲				

博士論文 (山形大学)

37594	Satoshi Miyane	(2019)	2017B1744	BL46XU	宮根 聡	Development of Stretchable Semiconducting Polymer with All- π -conjugated Backbone
37599	Kun Li	(2019)	2015A1237	BL45XU	松葉 豪	Structure Evolution of Polymers in Shear Flow
			2016A1257	BL40B2	松葉 豪	
			2017B1108	BL40B2	松葉 豪	
			2015A1738	BL19B2	松葉 豪	

博士論文 (Karlsruher Institut für Technologie)

37465	Elisa Kornemann	41 (2019)	2017A1513	BL13XU	Last Arndt	Entwicklung einer Röntgenzoomlinse (Development of an X-ray Zoom Lens)
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博士論文 (愛媛大学)

37514	Sho Kakizawa	(2019)	2015B1995	BL04B1	肥後 祐司	Water in the Earth's Lower Mantle: Chemical, Physical, and Mineralogical Properties of Hydrous Bridgmanite
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博士論文 (大阪市立大学)

37649	Shota Akai	(2019)	2017A2694	BL26B1	赤井 翔太	Catalytic Mechanism of Homoserine Dehydrogenase and Substrate Recognition Mechanism of Serine Hydroxymethyltransferase
			2018A2697	BL26B2	赤井 翔太	

博士論文 (大阪府立大学)

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
37682	Seiya Shimono	(2019)	2014A1429	BL02B2	久保田 佳基	Phase Transitions and Orbital Order in Vanadium Spinel Oxide CoV ₂ O ₄
			2014B1521	BL02B2	久保田 佳基	
			2014B1759	BL02B2	河口 彰吾	
			2015A0074	BL02B2	森吉 千佳子	
			2017B1973	BL02B2	河口 彰吾	

博士論文 (金沢大学)

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
37569	Hikaru Sawai	(2016)	2015B1677	BL27SU	澤井 光	Development of Recycling Technology for Industrial Waste Based on Metal Separation by Chemical-Assisted Extraction Technique

博士論文 (九州大学)

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
37411	Masahiro Imamura	(2018)	2015B1545	BL04B1	久保 友明	Experimental Study on Rheological Properties of Mantle Minerals: Implication for Subducting Slab and the Lower Mantle
			2016A1467	BL04B1	久保 友明	
			2016B1358	BL04B1	久保 友明	
			2017A1535	BL04B1	久保 友明	

博士論文 (東京藝術大学)

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
37542	Yuka Ohashi	(2019)	2015B1838	BL27SU	大橋 有佳	Study of "Mame-nori" Japanese Traditional Adhesive for Manuscripts

博士論文 (奈良先端大学院大学)

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
37590	Shun Fukami	(2019)	2016A1303	BL13XU	田口 宗孝	Development of High Energy-Resolution Display-type Ellipsoidal Mesh Analyzer "DELMA" and Observation of Local Atomic Structural Change of Ultra-thin Oxide Film
			2016B1507	BL13XU	田口 宗孝	
			2018A7569	BL07LSU	大門 寛	

博士論文 (明治大学)

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
37439	Kazunori Kurishima	(2019)	2015B1777	BL14B2	栗島 一徳	A Study on New InO _x -based Channel Material for Thin-film Transistor Controlled Oxygen-vacancy in Consideration by Oxygen Bond Dissociation Energy

課題以外の成果として登録された論文

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	タイトル
37585	Kensuke Tono	26 (2019) 595-602		装置&技術 BL3	Multiple-Beamline Operation of SACLA
				装置&技術 BL2	
37586	Toshinori Yabuuchi	26 (2019) 585-594		XFEL	An Experimental Platform using High-Power, High-Intensity Optical Lasers with the Hard X-ray Free-Electron Laser at SACLA
37587	Sanghoon Song	26 (2019) 320-327		XFEL	Measurement of the Absolute Number of Photons of the Hard X-ray Beamline at the Linac Coherent Light Source

ACS Applied Energy Materials

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	タイトル
37368	Naoka Nagamura	1 (2018) 3084-3092		BL07LSU	Electronic States of Quinones for Organic Energy Devices: The Effect of Molecular Structure on Electrochemical Characteristics

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	タイトル
37674	Masaaki Sadakiyo	52 (2016) 8385-8388	理研	BL44B2	A New Approach for the Facile Preparation of Metal-Organic Framework Composites Directly Contacting with Metal Nanoparticles through Arc Plasma Deposition

Chemistry - An Asian Journal

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	タイトル
37661	George Akiyama	9 (2014) 2772-2777	理研	BL44B2	Catalytic Glucose Isomerization by Porous Coordination Polymers with Open Metal Sites

Inorganic Chemistry

研究成果番号	主著者	雑誌情報		ビームライン	タイトル
37676	Jaejun Kim	56 (2017) 8735-8738	理研	BL44B2	Structural Investigation of Chemiresistive Sensing Mechanism in Redox-Active Porous Coordination Network

Inorganic Chemistry Frontiers

37678	Henrik L. Anderson	4 (2017) 456-467	理研	BL44B2	Structural Stability and Thermoelectric Properties of Cation- and Anion-Doped $Mg_2Si_{0.4}Sn_{0.6}$
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IUCrJ

37677	Espen Eikeland	4 (2017) 476-485	理研	BL44B2	Crystal Structure across the β to α Phase Transition in Thermoelectric $Cu_{2-x}Se$
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The Journal of Chemical Physics

37432	Naoya Kurahashi	140 (2014) 174506	理研	BL17SU	Photoelectron Spectroscopy of Aqueous Solutions: Streaming Potentials of NaX (X = Cl, Br, and I) Solutions and Electron Binding Energies of Liquid Water and X ⁻
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Materials Today Physics

37675	Kunpeng Zhao	1 (2017) 14-23	理研	BL44B2	Ultrahigh Thermoelectric Performance in $Cu_{2-y}Se_{0.5}S_{0.5}$ Liquid-Like Materials
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Physical Chemistry Chemical Physics

37289	Alexander Späh	21 (2019) 26-31		XFEL	Apparent Power-Law Behavior of Water's Isothermal Compressibility and Correlation Length upon Supercooling
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Physical Review A

37429	Maria Piancastelli	95 (2017) 061402(R)	理研	BL29XU	X-ray Versus Auger Emission Following Xe 1 _s Photoionization
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Physical Review B

37431	Masaharu Matsunami	96 (2017) 241102(R)	理研	BL17SU	Direct Observation of Heterogeneous Valence State in Yb-Based Quasicrystalline Approximants
			理研	BL19LXU	

Science of Advanced Materials

37660	Hao Yin	3 (2011) 592-595	理研	BL44B2	Effect of Mg-Doping on the Thermal Stability of Thermoelectric Zn_4Sb_3
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レーザー研究 (The Review of Laser Engineering)

37588	Kento Katagiri	47 (2019) 47-51		XFEL	レーザー超高速圧縮によるロンズデーライト生成のXFEL観察
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