

最近 SPring-8 もしくは SACLA から発表された成果リスト

公益財団法人高輝度光科学研究センター
利用推進部

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、2021 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 2021 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
The Journal of Biological Chemistry	9	Journal of the American Chemical Society	6
The Journal of Physical Chemistry C	9	ACS Applied Energy Materials	5
Nature Communications	9	ACS Catalysis	5
Physical Review B	9	Applied Physics Letters	5
ACS Applied Energy Materials	7	Molecules	5
Chemical Communications	7	Scientific Reports	5
Japanese Journal of Applied Physics	6		

他全 177 誌、計 316 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
41050	Takeshi Matsumura	102 (2020) 214444	2019B1247	BL39XU	松村 武	Isotropic Parallel Antiferromagnetism in the Magnetic Field Induced Charge-Ordered State of SmRu ₄ P ₁₂ Caused by <i>p</i> - <i>f</i> Hybridization
			2015A3711	BL22XU	稲見 俊哉	
41080	Shunsuke Kitou	103 (2021) 035135	2017B1733	BL02B1	鬼頭 俊介	Ambient-Pressure Dirac Electron System in the Quasi-Two-Dimensional Molecular Conductor α -(BETS) ₂ I ₃
41081	Takahito Takeda	102 (2020) 245203	2017B3841	BL23SU	藤森 淳	Evolution of Fe 3 <i>d</i> Impurity Band State as the Origin of High Curie Temperature in the <i>p</i> -type Ferromagnetic Semiconductor (Ga,Fe)Sb
			2019A3841	BL23SU	小林 正起	
41094	Shingo Yamamoto	103 (2021) L020408	2019A1534	BL25SU	山本 真吾	Element-specific Field-induced Spin Reorientation and Tetracritical Point in MnCr ₂ S ₄
			2019B1474	BL25SU	山本 真吾	
41214	Kristoffer A. U. Holm	102 (2020) 024112	2014A0078	BL02B1	Iversen Bo	Temperature Dependence of Dynamic Dipole Formation in PbTe
			2019A0159	BL02B1	西堀 英治	
41251	Kohei Yamagami	103 (2021) L060403	2019B1097	BL25SU	黒田 健太	Itinerant Ferromagnetism Mediated by Giant Spin Polarization of the Metallic Ligand Band in the van der Waals Magnet Fe ₃ GeTe ₂
			2019B3845	BL23SU	和達 大樹	
			2019B3841	BL23SU	小林 正起	
41263	Mariano Trigo	103 (2021) 054109	2016A8008	BL3	Wall Simon	Ultrafast Formation of Domain Walls of a Charge Density Wave in SmTe ₃
41404	M. Güttler	103 (2021) 115126	2015B1310	BL08W	Vyalikh Denis	Visualizing the Kondo Lattice Crossover in YbRh ₂ Si ₂ with Compton Scattering
			2016A1371	BL08W	Vyalikh Denis	
			2016B1299	BL08W	Vyalikh Denis	
			2017B1422	BL08W	Vyalikh Denis	
41441	Kohei Kudo	103 (2021) 104427	2019B2080	BL13XU	田尻 寛男	Positive Linear Magnetoresistance Effect in Disordered L ₂ B-type Mn ₂ CoAl Epitaxial Films
			2017B0921	BL13XU	壬生 攻	
			2019B1657	BL13XU	桜庭 裕弥	

The Journal of Physical Chemistry C

41044	Naoki Noguchi	125 (2021) 189-200	2017B1296	BL43IR	野口 直樹	Infrared and Raman Spectroscopic Study of Methane Clathrate Hydrates at Low Temperatures and High Pressures: Dynamics and Cage Occupancy of Methane
			2018A1483	BL43IR	野口 直樹	
			2018B1505	BL43IR	野口 直樹	
			2019A1361	BL43IR	野口 直樹	
41157	Kohsuke Mori	124 (2020) 11499-11505	2018B1082	BL01B1	森 浩亮	Interfacial Engineering of PdAg/TiO ₂ with a Metal-Organic Framework to Promote the Hydrogenation of CO ₂ to Formic Acid
			2019A1048	BL01B1	森 浩亮	
41210	Nobutaka Shioya	125 (2021) 2437-2445	2018B1595	BL46XU	尾坂 格	Monitoring of Crystallization Process in Solution-Processed Pentacene Thin Films by Chemical Conversion Reactions
41222	Kentarou Ichihashi	124 (2020) 26925-26936	2013B7802	BL36XU	岩澤 康裕	Oxygen Reduction Reaction Performance Tuning on Pt Nanoparticle/MWCNT Catalysts by Gd Species
			2017B7821	BL36XU	唯 美津木	
			2018B7821	BL36XU	唯 美津木	
41246	Dinesh Bhalothia	124 (2020) 2295-2306	2018B4256	BL12XU	Chen Tsan Yao	Heterogeneous NiO ₂ -to-Pd Epitaxial Structure Performs Outstanding Oxygen Reduction Reaction Activity
41314	Mitsuhiro Inoue	124 (2020) 10016-10025	2017B3398	BL08B2	今井 英人	Structure-Sensitivity Factors Based on Highly Active CO ₂ Methanation Catalysts Prepared via the Polygonal Barrel-Sputtering Method
41408	Mao Ye	125 (2021) 1784-1792	2012A7427	BL07LSU	奥田 太一	Persistence of the Topological Surface States in Bi ₂ Se ₃ against Ag Intercalation at Room Temperature
			2011B7421	BL07LSU	大門 寛	
			2011A7412	BL07LSU	大門 寛	
			2010B7411	BL07LSU	大門 寛	
41494	Guoxiang Yang	125 (2021) 3961-3971	2019A1050	BL01B1	桑原 泰隆	Pd-Cu Alloy Nanoparticles Confined within Mesoporous Hollow Carbon Spheres for Hydrogenation of CO ₂ to Formate
			2019B1114	BL01B1	桑原 泰隆	

Nature Communications-1

41071	Dohyun Im	11 (2020) 6442	2016B8060	BL3	岩田 想	Structure of the Dopamine D ₂ Receptor in Complex with the Antipsychotic Drug Spiperone
			2017A8019	BL3	岩田 想	
			2017B8022	BL2	岩田 想	
41183	Wei Yan	11 (2020) 5287	2019B2705	BL41XU	Shao Zhenhua	Structure of the Human Gonadotropin-Releasing Hormone Receptor GnRH1R Reveals an Unusual Ligand Binding Mode
41204	Yuan Chao Lou	6 (2015) 8838	2013B6600	BL44XU	Hsiao Chwan Deng	Structure and Dynamics of Polymyxin-Resistance-Associated Response Regulator PmrA in Complex with Promoter DNA

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
41276	Tomoaki Kawakami	12 (2021) 1104	2017A2512	BL26B1	大友 征宇	Crystal Structure of a Photosynthetic LH1-RC in Complex with its Electron Donor HiPIP
			2017A6708	BL44XU	大友 征宇	
			2018A6806	BL44XU	大友 征宇	
			2018B6806	BL44XU	大友 征宇	
41302	Hirotake Miyauchi	8 (2017) 1633	2017A2578	BL32XU	石谷 隆一郎	Structural Basis for Xenobiotic Extrusion by Eukaryotic MATE Transporter
			2016A2527	BL32XU	石谷 隆一郎	
			2015A1024	BL32XU	石谷 隆一郎	
41345	Toshinori Oozeki	12 (2021) 933	2014A6912	BL44XU	岡島 俊英	Functional and Structural Characterization of a Flavoprotein Monooxygenase Essential for Biogenesis of Tryptophylquinone Cofactor
			2014B6912	BL44XU	岡島 俊英	
			2015A6508	BL44XU	岡島 俊英	
			2016A6608	BL44XU	岡島 俊英	
			2017B6709	BL44XU	岡島 俊英	
			2018A6807	BL44XU	岡島 俊英	
			2018B6807	BL44XU	岡島 俊英	
2019A6907	BL44XU	岡島 俊英				
2019B6907	BL44XU	岡島 俊英				
41348	Shin-ichiro Hattori	12 (2021) 668	2020A1778	BL41XU	林 宏典	A Small Molecule Compound with an Indole Moiety Inhibits the Main Protease of SARS-CoV-2 and Blocks Virus Replication
41414	Sayaka Takehara	11 (2020) 2143	2018A2563	BL26B1	三上 文三	A Common Allosteric Mechanism Regulates Homeostatic Inactivation of Auxin and Gibberellin
			2018A2533	BL26B1	三上 文三	
			2015A1063	BL26B1	三上 文三	
			2015A2052	BL01B1	伊奈 稔哲	

ACS Applied Energy Materials

41130	Chen Liu	4 (2021) 1143-1149	2018A1750	BL19B2	内山 智貴	Operando X-ray Absorption Spectroscopic Study on the Influence of Specific Adsorption of the Sulfo Group in the Perfluorosulfonic Acid Ionomer on the Oxygen Reduction Reaction Activity of the Pt/C Catalyst
			2018B1616	BL19B2	内山 智貴	
			2018A1019	BL37XU	今井 英人	
			2019B1899	BL14B2	内山 智貴	
			2020A1801	BL19B2	内山 智貴	
			2020A1799	BL14B2	今井 英人	
			2020A1800	BL19B2	今井 英人	
41161	Shinya Masuda	3 (2020) 5819-5829	2019B1091	BL01B1	森 浩亮	Interconversion of Formate/Bicarbonate for Hydrogen Storage/Release: Improved Activity Following Sacrificial Surface Modification of a Ag@Pd/TiO ₂ Catalyst with a TiO _x Shell
41162	Shinya Masuda	3 (2020) 5847-5855	2019B1091	BL01B1	森 浩亮	Additive-Free Aqueous Phase Synthesis of Formic Acid by Direct CO ₂ Hydrogenation over a PdAg Catalyst on a Hydrophilic N-Doped Polymer-Silica Composite Support with High CO ₂ Affinity
41217	Donglin Han	4 (2021) 1666-1676	2019A1795	BL14B2	韓 東麟	Protonated BaZr _{0.8} Y _{0.2} O _{3-δ} : Impact of Hydration on Electrochemical Conductivity and Local Crystal Structure
41288	Albertus Adrian Sutanto	4 (2021) 1259-1268	2019B1808	BL46XU	柴山 直之	Phosphine Oxide Derivative as a Passivating Agent to Enhance the Performance of Perovskite Solar Cells
			2019B1807	BL19B2	中村 唯我	
41448	Takashi Nakamura	3 (2020) 9703-9713	2019A1384	BL27SU	中村 崇司	Impact of Oxygen Defects on Electrochemical Processes and Charge Compensation of Li-Rich Cathode Material Li _{1.2} Mn _{0.6} Ni _{0.2} O _{2.5}
			2019B1441	BL27SU	中村 崇司	
			2019B1450	BL27SU	中村 崇司	
41515	Ning Wang	4 (2021) 554-563	2019B1450	BL27SU	中村 崇司	La _{0.8} Sr _{0.2} Co _{1-x} Ni _x O _{3-δ} as the Efficient Triple Conductor Air Electrode for Protonic Ceramic Cells

Chemical Communications-1

41063	Shun Sakaida	57 (2021) 1462-1465	2017A1415	BL13XU	北川 宏	Surface Morphology-Induced Spin-Crossover-Inactive High-Spin State in a Coordination Framework
			2018B1138	BL02B2	大坪 主弥	
			2019B1387	BL02B2	大坪 主弥	
41135	Hidetoshi Sonoki	55 (2019) 7454-7457	2019B1778	BL02B2	園木 秀聡	A Hydrated Strontium Cobalt Oxhydroxide Ruddlesden-Popper Phase as an Oxygen Electrocatalyst for Aqueous Lithium-Oxygen Rechargeable Batteries
41148	Shinya Okazoe	56 (2020) 14475-14478	2019B1143	BL02B2	北川 宏	Synthesis of Mo and Ru Solid-Solution Alloy NPs and Their Hydrogen Evolution Reaction Activity
41171	Shintaro Ishida	56 (2020) 15072-15075	2014A1211	BL02B1	岩本 武明	Naphtho- and Anthra-Disilacyclobutadienes
41385	Yuiga Nakamura	57 (2021) 2685-2688	2019B1865	BL19B2	中村 唯我	Visualization of Halide Perovskite Crystal Growth Processes by <i>in situ</i> Heating WAXS Measurements
			2018B1855	BL46XU	柴山 直之	
			2019B2066	BL19B2	小金澤 智之	
			2020A2005	BL19B2	小金澤 智之	

Chemical Communications-2

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
41397	Masahiro Kouno	57 (2021) 1336-1339	2016B1007	BL02B1	今野 巧	Interconversion between Square-Planar Palladium(II) and Octahedral Palladium(IV) Centres in a Sulfur-Bridged Trinuclear Structure
41487	Hiroshi Itahara	(2021) Online publications 26 Mar., 2021	2019B5070	BL16XU	小坂 悟	Eutectic Salt Mixture-Assisted Sodium-Vapor-Induced Synthesis of Pt-Ca Nanoparticles, their Microstructural and Electrocatalytic Properties
			2020A5070	BL16XU	小坂 悟	
			2020A5071	BL16XU	高橋 直子	
			2020A5371	BL16B2	磯村 典武	

Japanese Journal of Applied Physics

41083	Yasunori Tateno	59 (2020) 124001	2015A1974	BL46XU	館野 泰範	An Investigation to Determine the Interface Condition between Graphene and Aluminum Oxide
			2016A1530	BL46XU	館野 泰範	
			2016B1619	BL46XU	館野 泰範	
			2016B1629	BL46XU	館野 泰範	
			2017B1835	BL46XU	斎藤 吉広	
			2018A5030	BL16XU	久保 優吾	
			2018B5030	BL16XU	斎藤 吉広	
41219	Yusaku Magari	60 (2021) SBBM04	2018B1669	BL47XU	曲 勇作	Effects of Water and Hydrogen Introduction during In-Ga-Zn-O Sputtering on the Performance of Low-Temperature Processed Thin-Film Transistors
			2019B1746	BL47XU	曲 勇作	
41241	Yousuke Shimura	60 (2021) SBBF11	2019B1286	BL35XU	志村 洋介	Thermal Conductivity and Inelastic X-ray Scattering Measurements on SiGeSn Polycrystalline Alloy
41242	Ichiro Nagai	60 (2021) 025502	2020A1090	BL40XU	守友 浩	Inter-Particle Structural Fluctuation of Prussian Blue Analogue as Investigated by X-ray Microbeam Diffraction
			2020A1660	BL02B2	岩泉 滉樹	
			2020A1061	BL02B2	守友 浩	
41392	Takumi Isogai	55 (2016) 03DF11	2015B1282	BL40B2	田川 美穂	Effect of Magnesium Ion Concentration on Two-Dimensional Structure of DNA-Functionalized Nanoparticles on Supported Lipid Bilayer
41433	Murugesan Mariappan	60 (2021) SBBC02	2019B1583	BL13XU	Mariappan Murugesan	Laue Microdiffraction Evaluation of Bending Stress in Au Wiring Formed on Chip-Embedded Flexible Hybrid Electronics
			2018A2050	BL13XU	木村 滋	
			2018B1342	BL13XU	木村 滋	

The Journal of Biological Chemistry

41311	Choong-Soo Yun	295 (2020) 11602-11612	2017A2580	BL26B1	日野 智也	Unique Features of the Ketosynthase Domain in a Nonribosomal Peptide Synthetase-Polyketide Synthase Hybrid Enzyme, Tenuazonic Acid Synthetase 1
41380	Dong Young Kim	278 (2003) 50664-50670	2002B0055	BL41XU	Kim Kyeong Kyu	Crystal Structure of ClpX Molecular Chaperone from <i>Helicobacter pylori</i>
41381	Yasuo Shikamoto	278 (2003) 24090-24094	2002A0131	BL41XU	水野 洋	Crystal Structure of Mg ²⁺ - and Ca ²⁺ -Bound Gla Domain of Factor IX Complexed with Binding Protein
41412	Yoko Shima	295 (2020) 6983-6991	2018A2563	BL26B1	三上 文三	Crystal Structures of Lysophospholipid-Bound MHC Class I Molecules
			2018A2533	BL26B1	三上 文三	
			2017A2546	BL26B1	三上 文三	
			2017A2547	BL26B1	三上 文三	
41446	Satoshi Sogabe	278 (2003) 19387-19395		BL24XU		The Crystal Structure and Stereospecificity of Levodione Reductase from <i>Corynebacterium aquaticum</i> M-13
41453	Ryota Futamata	295 (2020) 5002-5011	2001B0226	BL38B1	曾我部 智	<i>In vivo</i> FRET Analyses Reveal a Role of ATP Hydrolysis-Associated Conformational Changes in Human P-glycoprotein
			2011B1210	BL41XU	小段 篤史	
			2012A1304	BL41XU	小段 篤史	
			2012B1348	BL41XU	小段 篤史	
			2013B1277	BL41XU	小段 篤史	
			2014A1163	BL41XU	小段 篤史	
			2014B1001	BL41XU	小段 篤史	
2015A1039	BL41XU	小段 篤史				

ACS Applied Materials & Interfaces-1

41145	Keigo Nakamura	12 (2020) 51598-51606	2019A7451	BL07LSU	永村 直佳	All 2D Heterostructure Tunnel Field-Effect Transistors: Impact of Band Alignment and Heterointerface Quality
			2018B7580	BL07LSU	永村 直佳	
41213	Zhao Pan	13 (2021) 5208-5215	2019A1045	BL02B2	Pan Zhao	Polarization Rotation at Morphotropic Phase Boundary in New Lead-Free Na _{1.2} Bi _{1.2} V _{1-x} Ti _x O ₃ Piezoceramics
			2020A0589	BL02B2	Pan Zhao	
41259	Saki Sawayama	13 (2021) 6201-6207	2018B1472	BL04B2	藤井 健太	Fluorophosphate-Based Nonflammable Concentrated Electrolytes with a Designed Lithium-Ion-Ordered Structure: Relationship between the Bulk Electrolyte and Electrode Interface Structures
			2020A0533	BL04B2	藤井 健太	
			2019B1227	BL04B2	関 志朗	

ACS Applied Materials & Interfaces-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
41272	Kazuhiro Hikima	13 (2021) 7650-7663	2013B3617	BL14B1	菅野 了次	Reactions of the Li_2MnO_3 Cathode in an All-Solid-State Thin-Film Battery during Cycling
			2015A1846	BL46XU	引間 和浩	
			2015B1551	BL13XU	菅野 了次	
			2015B3623	BL14B1	菅野 了次	
			2016A1675	BL46XU	引間 和浩	
			2016B1768	BL46XU	引間 和浩	
			2016A3623	BL14B1	菅野 了次	
			2016B3635	BL14B1	菅野 了次	
41402	Sadok Ben Dkhil	12 (2020) 28404-28415	2019B1851	BL19B2	吉本 則之	Direct Correlation of Nanoscale Morphology and Device Performance to Study Photocurrent Generation in Donor-Enriched Phases of Polymer Solar Cells
			2018B1791	BL19B2	吉本 則之	
			2017B1629	BL19B2	吉本 則之	

ACS Catalysis

41057	Shinichi Yamazaki	10 (2020) 14567-14580	2018B7906	BL36XU	大門 英夫	Creation of a Highly Active Pt/Pd/C Core-Shell-Structured Catalyst by Synergistic Combination of Intrinsically High Activity and Surface Decoration with Melamine or Tetra-(<i>tert</i> -butyl)-tetraazaporphyrin
41082	Shohei Tada	10 (2020) 15186-15194	2018B1788	BL14B2	多田 昌平	Development of CO_2 -to-Methanol Hydrogenation Catalyst by Focusing on the Coordination Structure of the Cu Species in Spinel-Type Oxide $\text{Mg}_{1-x}\text{Cu}_x\text{Al}_2\text{O}_4$
41399	Daichi Yoshii	11 (2021) 2150-2155	2019B1820	BL14B2	山口 和也	C(sp^3)-H Selective Benzylic Borylation by In Situ Reduced Ultrasmall Ni Species on CeO_2
41488	Shu Fujita	10 (2020) 4261-4267	2019A1390	BL01B1	満留 敬人	Unique Catalysis of Nickel Phosphide Nanoparticles to Promote the Selective Transformation of Biofuranic Aldehydes into Diketones in Water
			2020A1487	BL01B1	満留 敬人	
			2020A0558	BL01B1	満留 敬人	
			2019B1560	BL01B1	満留 敬人	
41489	Hiroya Ishikawa	11 (2021) 750-757	2019A1390	BL01B1	満留 敬人	Air-Stable and Reusable Cobalt Phosphide Nanoalloy Catalyst for Selective Hydrogenation of Furfural Derivatives
			2019B1560	BL01B1	満留 敬人	
			2020A1487	BL01B1	満留 敬人	
			2020A0558	BL01B1	満留 敬人	

Applied Physics Letters

41144	Tomoyuki Kadono	117 (2020) 143901	2017A1011	BL47XU	小嗣 真人	Investigation of Local Structures and Electronic States of Sb-doped Mg_2Si by Fluorescence XAFS and HAXPES
			2017B1001	BL47XU	小嗣 真人	
			2017B1085	BL37XU	小嗣 真人	
			2017B1054	BL17SU	小嗣 真人	
			2018A1203	BL17SU	小嗣 真人	
			2018A1204	BL37XU	小嗣 真人	
			2019A1223	BL37XU	小嗣 真人	
			2019A1175	BL17SU	小嗣 真人	
41373	Junichi Nomoto	118 (2021) 101602	2020A1876	BL46XU	野本 淳一	Origin of Simultaneous Enhancement of Work Function and Carrier Concentration in In_2O_3 Films by Excimer-Laser Irradiation
			2020A1630	BL46XU	野本 淳一	
41400	Takanori Mimura	118 (2021) 112903	2019A4700	BL15XU	清水 荘雄	Large Thermal Hysteresis of Ferroelectric Transition in HfO_2 -Based Ferroelectric Films
41406	Jonathan Pellicciari	118 (2021) 112604	2016A3552	BL11XU	石井 賢司	Fluctuating Magnetism of Co- and Cu-Doped NaFeAs
41430	Hirota Mizushima	118 (2021) 121603	2017A5040	BL16XU	新井 龍志	Impact of Oxygen on Band Structure at the Ni/GaN Interface Revealed by Hard X-ray Photoelectron Spectroscopy
			2017B5040	BL16XU	新井 龍志	
			2018A5040	BL16XU	新井 龍志	
			2018B5040	BL16XU	新井 龍志	
			2019A5040	BL16XU	新井 龍志	
2019B5040	BL16XU	新井 龍志				

Molecules-1

41042	Ken Taguchi	26 (2021) 220	2017B1396	BL40B2	田口 健	Kinetic Study on Alpha-Form Crystallization of Mixed-Acid Triacylglycerols POP, PPO, and Their Mixture
			2019A1085	BL40B2	田口 健	
41056	Guowei Zhao	26 (2021) 299	2016B1778	BL19B2	大工原 秀吾	Syntheses and Characterization of Novel Perovskite-Type LaScO_3 -Based Lithium Ionic Conductors
			2019B1745	BL02B2	李 予祥	

Molecules-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
41069	Yang Pan	25 (2020) 5917	2020A1644	BL02B1	潘 楊	Generation of Bis(ferrocenyl)silylenes from Siliranes
			2020A0834	BL02B1	西野 龍平	
			2020A1650	BL02B1	薄葉 純一	
			2020A1056	BL02B1	笹森 貴裕	
			2019B1784	BL02B1	早川 雅大	
			2019B1129	BL02B1	笹森 貴裕	
			2019A1677	BL02B1	鈴木 文陽	
			2019A1057	BL02B1	笹森 貴裕	
			2018B1668	BL02B1	菅原 知紘	
41173	Risa Kawai	25 (2020) 4881	2019B1782	BL40B2	河合 里紗	Surface Adsorption Properties and Layer Structures of Homogeneous Polyoxyethylene-Type Nonionic Surfactants in Quaternary-Ammonium-Salt-Type Amphiphilic Gemini Ionic Liquids with Oxygen- or Nitrogen-Containing Spacers
41437	Yohei Haketa	26 (2021) 861	2017A1305	BL40B2	前田 大光	Supramolecular Assemblies of Dipyrrolyldiketone Cu ^{II} Complexes
			2017A1408	BL40B2	羽田 洋平	

Scientific Reports

41092	Hirokazu Masai	11 (2021) 214	2017B1577	BL14B2	正井 博和	Low Melting Oxide Glasses Prepared at a Melt Temperature of 500°C
			2017B1595	BL14B2	山下 勝	
41221	Katsuya Araki	10 (2020) 19423	2016B1234	BL43IR	荒木 克哉	The Secondary Structural Difference between Lewy Body and Glial Cytoplasmic Inclusion in Autopsy Brain with Synchrotron FTIR Micro-Spectroscopy
			2017B1074	BL43IR	荒木 克哉	
			2018A1115	BL43IR	荒木 克哉	
41243	Michael Diez	11 (2021) 3562	2017A8072	BL3	Schulz Sebastian	A Self-Referenced in-situ Arrival Time Monitor for X-ray Free-Electron Lasers
41248	Dinesh Bhalothia	10 (2020) 8457	2019A4261	BL12XU	Chen Tsan Yao	CO-Reductive and O ₂ -Oxidative Annealing Assisted Surface Restructure and Corresponding Formic Acid Oxidation Performance of PdPt and PdRuPt Nanocatalysts
41273	Hirokazu Masai	11 (2021) 3811	2018A1557	BL14B2	正井 博和	Examination of Structure and Optical Properties of Ce ³⁺ -Doped Strontium Borate Glass by Regression Analysis
			2017B1577	BL14B2	正井 博和	

Chemistry - A European Journal

41078	Junichi Usuba	27 (2021) 1638-1647	2019A1057	BL02B1	笹森 貴裕	Dithieno[a,e]pentalenes: Highly Antiaromatic Yet Stable π -Electron Systems without Bulky Substituents
			2019B1129	BL02B1	笹森 貴裕	
			2019B1784	BL02B1	早川 雅大	
41352	Osamu Nakagawa	27 (2021) 3842-3848	2018B6801	BL44XU	青山 浩	Crystallographic Structure of Novel Types of Ag ⁺ -Mediated Base Pairs in Non-Canonical DNA Duplex Containing 2'-O,4'-C-Methylene Bridged Nucleic Acids
			2019A6901	BL44XU	青山 浩	
41375	Hiroki Fukunaga	26 (2020) 16755-16766	2019B2086	BL02B2	河口 彰吾	Magnetic Correlation Engineering in Spin-Sandwiched Layered Magnetic Frameworks
			2020A2052	BL02B2	河口 彰吾	
			2018A2061	BL02B2	河口 彰吾	
41490	Shu Fujita	27 (2021) 4439-4446	2019A1390	BL01B1	満留 敬人	Ni ₂ P Nanoalloy as an Air-Stable and Versatile Hydrogenation Catalyst in Water: P-Alloying Strategy for Designing Smart Catalysts
			2019B1560	BL01B1	満留 敬人	
			2020A1487	BL01B1	満留 敬人	
			2020A0558	BL01B1	満留 敬人	
			2019A1649	BL14B2	水垣 共雄	
2019B1858	BL14B2	水垣 共雄				

Chemistry of Materials-1

41207	Feilure Tuerxun	33 (2021) 1006-1012	2018A1022	BL02B2	内本 喜晴	Phase Transition Behavior of MgMn ₂ O ₄ Spinel Oxide Cathode during Magnesium Ion Insertion
			2019A1016	BL02B2	内本 喜晴	
41318	Takumi Nishikubo	33 (2021) 1498-1505	2018A1636	BL02B2	西久保 匠	Polarization- and Strain-Mediated Control of Negative Thermal Expansion and Ferroelasticity in BiInO ₃ -BiZn _{1/2} Ti _{1/2} O ₃
			2018B3751	BL22XU	町田 晃彦	
			2019A1688	BL02B2	西久保 匠	
			2020A3783	BL22XU	Hu Lei	
41401	Nagesh B. Kolhe	32 (2020) 195-204	2018B1791	BL19B2	吉本 則之	Designing High Performance Nonfullerene Electron Acceptors with Rylene Imides for Efficient Organic Photovoltaics
			2017B1629	BL19B2	吉本 則之	
			2018A1744	BL46XU	小金澤 智之	
			2018B1772	BL46XU	小金澤 智之	

Chemistry of Materials-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
41502	Zhao Pan	31 (2019) 1296-1303	2016A1060	BL44B2	Xing Xianran	Large Negative Thermal Expansion Induced by Synergistic Effects of Ferroelectrostriction and Spin Crossover in PbTiO ₃ -Based Perovskites
			2015B1730	BL02B2	松田 奈瑠美	

Journal of Materials Chemistry A

41147	Ruiling Wang	8 (2020) 21613-21622	2019B1114	BL01B1	桑原 泰隆	Improvement of the Water Oxidation Performance of Ti, F Co-Modified Hematite by Surface Modification with Co(salen) Molecular Cocatalyst
			2019B1091	BL01B1	森 浩亮	
41249	Che Yan	8 (2020) 12744-12756	2019B4256	BL12XU	Chen Tsan Yao	Local Synergetic Collaboration between Pd and Local Tetrahedral Symmetric Ni Oxide Enables Ultra-High-Performance CO ₂ Thermal Methanation
41447	Takashi Nakamura	9 (2021) 3657-3667	2019A1384	BL27SU	中村 崇司	Oxygen Defect Engineering for the Li-Rich Cathode Material Li _{1.2} Ni _{0.13} Co _{0.13} Mn _{0.54} O _{2-δ}
			2019B1441	BL27SU	中村 崇司	
			2019B1450	BL27SU	中村 崇司	
41482	Akira Oda	9 (2021) 7531-7545	2017B1363	BL43IR	黒田 泰重	Unprecedented CO ₂ Adsorption Behaviour by 5A-type Zeolite Discovered in Lower Pressure Region and at 300 K

Journal of the American Chemical Society

41149	Dusan Kolarski	143 (2021) 2078-2087	2017A6743	BL44XU	廣田 毅	Photopharmacological Manipulation of Mammalian CRY1 for Regulation of the Circadian Clock
			2017B6743	BL44XU	廣田 毅	
			2018B1011	BL41XU	山本 雅貴	
			2018B6843	BL44XU	廣田 毅	
			2019A6942	BL44XU	廣田 毅	
41363	Masahiko Iyoda	142 (2020) 13662-13666	2016B1432	BL02B1	青柳 忍	Reversible Color and Shape Changes of Nanostructured Fibers of a Macrocyclic π-Extended Thiophene Hexamer Promoted by Adsorption and Desorption of Organic Vapor
			2017B1373	BL02B1	青柳 忍	
			2018A1345	BL02B1	青柳 忍	
			2018A1479	BL02B1	青柳 忍	
			2018B1535	BL02B1	青柳 忍	
41371	Sunney I. Chan	143 (2021) 3359-3372	2019B6600	BL44XU	Chen Chun Jung	Mechanism of Pyrroloquinoline Quinone-Dependent Hydride Transfer Chemistry from Spectroscopic and High-Resolution X-ray Structural Studies of the Methanol Dehydrogenase from <i>Methylococcus capsulatus</i> (Bath)
			2019A6600	BL44XU	Chen Chun Jung	
			2018A6600	BL44XU	Chen Chun Jung	
			2018B6600	BL44XU	Chen Chun Jung	
			2017A6600	BL44XU	Chen Chun Jung	
			2017B6600	BL44XU	Chen Chun Jung	
			2016A6600	BL44XU	Chen Chun Jung	
			2016B6600	BL44XU	Chen Chun Jung	
41438	Yohei Haketa	142 (2020) 16420-16428	2018B1823	BL02B1	笹野 力史	Self-Associating Curved π-Electronic Systems with Electron-Donating and Hydrogen-Bonding Properties
			2017B1302	BL40XU	山門 陵平	
			2018B1563	BL40XU	前田 大光	
			2019A1475	BL40XU	前田 大光	

Macromolecules

41062	Riho Matsuoka	53 (2020) 9480-9490	2020A0533	BL04B2	藤井 健太	Importance of Lithium Coordination Structure to Lithium-Ion Transport in Polyether Electrolytes with Cyanoethoxy Side Chains: An Experimental and Theoretical Approach
			2018B1472	BL04B2	藤井 健太	
			2019B1227	BL04B2	関 志朗	
41174	Mizuki Kishimoto	53 (2020) 9097-9107	2017A7215	BL03XU	三田 一樹	Effect of Submicron Structures on the Mechanical Behavior of Polyethylene
			2017B7267	BL03XU	三田 一樹	
			2018A7217	BL03XU	内田 公典	
			2018B7267	BL03XU	内田 公典	
			2019A7215	BL03XU	内田 公典	
			2019B7264	BL03XU	内田 公典	
41377	Kohji Tashiro	54 (2021) 2334-2352	2016B1431	BL40XU	田代 孝二	High-Electric-Field-Induced Hierarchical Structure Change of Poly(vinylidene fluoride) as Studied by the Simultaneous Time-Resolved WAXD/SAXS/FTIR Measurements and Computer Simulations
			2017A1075	BL40XU	田代 孝二	
			2017B1213	BL40XU	田代 孝二	
			2019B1083	BL40XU	田代 孝二	
			2020A1224	BL40XU	田代 孝二	
41418	Tadanori Kurosawa	54 (2021) 2113-2123	2016B1879	BL46XU	池田 大次	Chrysenodithiophene-Based Conjugated Polymer: An Elongated Fused π-Electronic Backbone with a Unique Orbital Structure Toward Efficient Intermolecular Carrier Transport
			2017A1764	BL19B2	池田 大次	
			2017B1906	BL19B2	池田 大次	
			2018B1785	BL19B2	黒澤 忠法	

Minerals

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
41065	Yukinori Tani	11 (2021) 53	2018B1012	BL01B1	田中 万也	Preferential Elimination of Ba ²⁺ through Irreversible Biogenic Manganese Oxide Sequestration
41127	Noriko Yamaguchi	11 (2021) 121	2018B1255	BL27SU	山口 紀子	Microscale Heterogeneous Distribution and Speciation of Phosphorus in Soils Amended with Mineral Fertilizer and Cattle Manure Compost
			2019B1126	BL27SU	山口 紀子	
41254	Ryoichi Nakada	11 (2021) 176	2017B1060	BL05XU	中田 亮一	EXAFS Determination of Clay Minerals in Martian Meteorite Allan Hills 84001 and Its Implication for the Noachian Aqueous Environment
			2017B1854	BL05XU	中田 亮一	
			2018A1108	BL05XU	中田 亮一	
			2018A1759	BL05XU	中田 亮一	
41396	Steeve Greaux	10 (2020) 261	2011B1372	BL04B1	Greaux Steeve	Thermoelastic Properties of K _{0.7} Na _{0.3} AlSi ₃ O ₈ Hollandite and NaAlSi ₂ O ₆ Jadeite: Implication for the Fate of the Subducted Continental Crust in the Deep Mantle
			2009A1300	BL04B1	Greaux Steeve	

Physical Review Materials

41052	Takahiro Matsuoka	4 (2020) 125402	2013B1109	BL10XU	松岡 岳洋	Beryllium Polyhydride Be ₄ H ₆ (H ₂) ₂ Synthesized at High Pressure and Temperature
			2014A1320	BL10XU	松岡 岳洋	
41086	Yuita Fujisawa	4 (2020) 114001	2019B3841	BL23SU	小林 正起	Tailoring Magnetism in Self-Intercalated Cr _{1+δ} Te ₂ Epitaxial Films
41355	Kenji Ishii	5 (2021) 024803	2017B3552	BL11XU	石井 賢司	Post-Growth Annealing Effects on Charge and Spin Excitations in Nd _{2-x} Ce _x CuO ₄
			2018A3555	BL11XU	石井 賢司	
41442	Kazuki Goto	4 (2020) 114406	2017B0921	BL09XU	壬生 攻	Effects of the Atomic Order on the Half-Metallic Electronic Structure in the Co ₂ Fe(Ga _{0.5} Ge _{0.5}) Heusler Alloy Thin Film
			2017B0921	BL13XU	壬生 攻	
			2019A1532	BL13XU	桜庭 裕弥	

Acta Crystallographica Section F

41066	Shuichi Takeda	77 (2021) 13-21	2017B2720	BL41XU	武田 修一	Crystal Structure of Human V-1 in the Apo Form
41134	Sho Ito	77 (2021) 1-7	2017A6737	BL44XU	西野 達哉	Structural Analysis of the Chicken FANCM-MHF Complex and its Stability
			2019B6935	BL44XU	西野 達哉	
			2014A6939	BL44XU	西野 達哉	
			2013B1195	BL38B1	西野 達哉	
41141	Takuya Yoshizawa	76 (2020) 86-93	2018B6859	BL44XU	吉澤 拓也	Crystal Structures of the Cell-Division Protein FtsZ from <i>Klebsiella pneumoniae</i> and <i>Escherichia coli</i>
			2018A6859	BL44XU	吉澤 拓也	
			2017A2570	BL38B1	松村 浩由	
			2017B2719	BL32XU	吉澤 拓也	

Chemical Science

41163	Shinya Masuda	11 (2020) 4194-4203	2017A1057	BL01B1	森 浩亮	Synthesis of a Binary Alloy Nanoparticle Catalyst with an Immiscible Combination of Rh and Cu Assisted by Hydrogen Spillover on a TiO ₂ Support
			2017B1084	BL01B1	森 浩亮	
41232	Jing Cao	11 (2020) 3978-3985	2019A4902	BL15XU	Deng Hexiang	Twist and Sliding Dynamics between Interpenetrated Frames in Ti-MOF Revealing High Proton Conductivity
41358	Tomohiro Ogawa	11 (2020) 5175-5181	2017B1261	BL02B2	堀毛 悟史	Coordination Polymer Glass from a Protic Ionic Liquid: Proton Conductivity and Mechanical Properties as an Electrolyte
			2018A1753	BL14B2	荻原 直希	
			2018B1311	BL02B2	堀毛 悟史	
			2019A1292	BL04B2	堀毛 悟史	

Chemistry Letters

41150	Shinya Okazoe	50 (2021) 596-598	2020A1130	BL02B2	草田 康平	First Observation of Superconductivity in Molybdenum-Ruthenium-Carbon Alloy Nanoparticles
41154	Norifumi Muraki	50 (2021) 603-606	2019A6953	BL44XU	村木 則文	Structural Characterization of Y29F Mutant of Thermoglobin from a Hyperthermophilic Bacterium <i>Aquifex aeolicus</i>
			2019B6953	BL44XU	村木 則文	
41164	Kohsuke Mori	50 (2021) 607-610	2020A0523	BL01B1	森 浩亮	PdAg Nanoparticles Supported on an Amine-Functionalized MOF as a Photo-Switchable Catalyst for Hydrogen Storage/Delivery Mediated by CO ₂ /Formic Acid
			2020A1062	BL01B1	森 浩亮	

Inorganic 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
41067	Yosuke Fukuda	60 (2021) 468-475	2016A1015	BL02B1	今野 巧	Insertion of a Hydride Ion Into a Tetrasilver(I) Cluster Covered by S-Donating Rhodium(III) Metallocenoids
			2019A1302	BL02B1	吉成 信人	
			2019B1107	BL02B2	吉成 信人	
			2020A1210	BL02B2	吉成 信人	
41128	Daisuke Urushihara	60 (2021) 507-514	2017B1702	BL02B1	漆原 大典	Structural Transition with a Sharp Change in the Electrical Resistivity and Spin-Orbit Mott Insulating State in a Rhenium Oxide, $\text{Sr}_3\text{Re}_2\text{O}_9$
41434	Toshikazu Nakamura	60 (2021) 5206-5211	2019A0070	BL02B1	澤 博	Tetramethyltetrafulvalene $[(\text{NbOF}_4)]_n$: One-Dimensional Charge Transfer Salt with an Infinite Anion Chain

Journal of Alloys and Compounds

41093	Jia Yan Law	855 (2021) 157424	2019A2052	BL02B2	河口 彰吾	MnFeNiGeSi High-Entropy Alloy with Large Magnetocaloric Effect
41176	Keiji Kuno	865 (2021) 158637	2017A3582	BL11XU	松岡 岳洋	Mixed-Valence State and Structure Changes of EuH_x ($x = 2$ and $2 < x \leq 3$) under High-Pressure H_2 Atmosphere
			2017A1218	BL10XU	松岡 岳洋	
			2016A3753	BL22XU	町田 晃彦	
41264	Mamoru Kitaura	867 (2021) 159005	2017B1061	BL01B1	北浦 守	Structural Analyses of $\text{Gd}_3(\text{Al,Ga})_5\text{O}_{12}$ Garnet Solid Solutions via X-ray and UV Absorption Spectroscopy Experiments for Gd Atoms
			2018B1090	BL01B1	北浦 守	

Journal of the Physical Society of Japan

41244	Yutaka Moritomo	90 (2021) 013601	2020A1660	BL02B2	岩泉 滉樹	Structural Phase Transition Triggered by Na Ordering in $\text{Na}_{1.98}\text{Cd}[\text{Fe}(\text{CN})_6]_{0.99}$
			2020A1061	BL02B2	守友 浩	
41261	Shigenori Ueda	90 (2021) 034706	2014B4606	BL15XU	上田 茂典	Polarization Dependent Bulk-Sensitive Valence Band Photoemission Spectroscopy and Density Functional Theory Calculations: Part II. $4d$ Transition Metals
			2015B4606	BL15XU	上田 茂典	
			2016B4606	BL15XU	上田 茂典	
41493	Kazuo Soda	90 (2021) 044710	2017A1146	BL47XU	曾田 一雄	Electronic Structures of Transition-Metal Pernitrides Studied Using X-ray Absorption and Photoelectron Spectroscopy

Physical Review Letters

41049	Nicholas Hartley	126 (2021) 015703	2017B8075	BL3	Hartley Nicholas	Using Diffuse Scattering to Observe X-Ray-Driven Nonthermal Melting
			2018A8056	BL3	Hartley Nicholas	
41386	Shan Wu	126 (2021) 107001	2019B1455	BL35XU	Song Yu	Short-Range Nematic Fluctuations in $\text{Sr}_{1-x}\text{Na}_x\text{Fe}_2\text{As}_2$ Superconductors
41419	Ichiro Inoue	126 (2021) 117403	2018A8040	BL3	井上 伊知郎	Atomic-Scale Visualization of Ultrafast Bond Breaking in X-Ray-Excited Diamond

Protein Science

41043	Yota Fukuda	30 (2021) 513-518	2019A6943	BL44XU	福田 庸太	Structural Insights into a C2 Domain Protein Specifically Found in Tardigrades
			2019B6943	BL44XU	福田 庸太	
			2020A6543	BL44XU	福田 庸太	
41169	Atsushi Okawa	30 (2021) 663-677	2017A6722	BL44XU	志波 智生	Structural Basis for Substrate Specificity of L-methionine Decarboxylase
			2017B6722	BL44XU	志波 智生	
			2018A6820	BL44XU	志波 智生	
			2018B6820	BL44XU	志波 智生	
			2019A6918	BL44XU	志波 智生	
			2019B6918	BL44XU	志波 智生	
41398	Keita Matsuoka	30 (2021) 1064-1071	2017A2699	BL41XU	松岡 敬太	The Crystal Structure of the CmABCB1 G132V Mutant, which Favors the Outward-Facing State, Reveals the Mechanism of the Pivotal Joint between TM1 and TM3
			2018A2699	BL41XU	松岡 敬太	

ACS Applied Nano Materials

41155	Kohsuke Mori	3 (2020) 10209-10217	2019B1091	BL01B1	森 浩亮	Luminescent Single-Atom Eu-Coordinated Graphitic Carbon Nitride Nanosheets for Selective Sensing of Acetone and Cyclohexane
			2019A1048	BL01B1	森 浩亮	
41260	Tien K. Nguyen	4 (2021) 1672-1681	2017A2566	BL32XU	安部 聡	<i>In-Cell</i> Engineering of Protein Crystals with Nanoporous Structures for Promoting Cascade Reactions
			2018A2525	BL32XU	安部 聡	
			2019A2561	BL32XU	安部 聡	

ACS Central 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
41047	Miho Sawamura	6 (2020) 2326-2338	2018B1811	BL19B2	藪内 直明	Nanostructured LiMnO ₂ with Li ₃ PO ₄ Integrated at the Atomic Scale for High-Energy Electrode Materials with Reversible Anionic Redox
			2019A2058	BL04B2	尾原 幸治	
			2016A1460	BL27SU	中西 康次	
			2016A1463	BL27SU	中西 康次	
41427	Chia-Jui Chang	5 (2019) 1998-2009	2017B4266	BL12XU	Chen Hao-Ming	Quantitatively Unraveling the Redox Shuttle of Spontaneous Oxidation/Electroreduction of Cu ₂ O _x on Silver Nanowires Using in Situ X-ray Absorption Spectroscopy

Acta Crystallographica Section B

41215	Finn K. Larsen	75 (2019) 621-633	2014A0078	BL02B1	Iversen Bo	Accessing the Rich Carbon Nitride Materials Chemistry by Heat Treatments of Ammonium Thiocyanate, NH ₄ SCN
41216	Venkatesha Hathwar	73 (2017) 304-312	2014A0078	BL02B1	Iversen Bo	Variable-Temperature Structural Studies on Valence Tautomerism in Cobalt Bis(dioxolene) Molecular Complexes

Acta Crystallographica Section D

41347	Kazuya Hasegawa	77 (2021) 300-312	2017B1012	BL41XU	山本 雅貴	Evaluation of the Data-Collection Strategy for Room-Temperature Micro-Crystallography Studied by Serial Synchrotron Rotation Crystallography Combined with the Humid Air and Glue-Coating Method
			2017A2522	BL41XU	長谷川 和也	
			2018A1003	BL41XU	山本 雅貴	
			2018A2554	BL41XU	長谷川 和也	
			2018B1011	BL41XU	山本 雅貴	
			2018B2089	BL41XU	長谷川 和也	
			2019A1005	BL41XU	山本 雅貴	
			2019A2055	BL41XU	長谷川 和也	
			2019B1002	BL41XU	山本 雅貴	
			2019B2090	BL41XU	長谷川 和也	
			2020A1780	BL41XU	山本 雅貴	
			2020A2028	BL41XU	長谷川 和也	
			2020A2090	BL41XU	長谷川 和也	
			2020A2551	BL41XU	山本 雅貴	
2020A2583	BL41XU	熊坂 崇				
41413	Naoki Saka	75 (2019) 792-803	2016B6640	BL44XU	三上 文三	Relationship between the Induced-Fit Loop and the Activity of <i>Klebsiella pneumoniae</i> Pullulanase
			2013B6849	BL44XU	三上 文三	
			2015A1052	BL26B1	三上 文三	
			2015B6539	BL44XU	三上 文三	
			2016A2540	BL26B1	三上 文三	
			2017A2546	BL26B1	三上 文三	
			2017A2547	BL26B1	三上 文三	

Angewandte Chemie International Edition

41151	Soichiro Nakatsuka	59 (2020) 1435-1439	2017A1132	BL40XU	畠山 琢次	Solvent-Vapor-Induced Reversible Single-Crystal-to-Single-Crystal Transformation of a Triphosphaazatriangulene-Based Metal-Organic Framework
			2017B1073	BL40XU	畠山 琢次	
			2018A1114	BL40XU	畠山 琢次	
			2018B1125	BL40XU	畠山 琢次	
			2019A1142	BL40XU	畠山 琢次	
41156	Susumu Oda	60 (2021) 2882-2886	2017A1132	BL40XU	畠山 琢次	Carbazole-Based DABNA Analogues as Highly Efficient Thermally Activated Delayed Fluorescence Materials for Narrowband Organic Light-Emitting Diodes
			2017B1073	BL40XU	畠山 琢次	
			2018A1114	BL40XU	畠山 琢次	
			2018B1125	BL40XU	畠山 琢次	
			2019A1142	BL40XU	畠山 琢次	
2019B1063	BL40XU	畠山 琢次				

Applied Catalysis B

41143	Guoxiang Yang	283 (2021) 119628	2019B1114	BL01B1	桑原 泰隆	PdAg Alloy Nanoparticles Encapsulated in N-Doped Microporous Hollow Carbon Spheres for Hydrogenation of CO ₂ to Formate
			2019A1050	BL01B1	桑原 泰隆	
41185	Tayyebeh Solitani	286 (2021) 119899	2015B1275	BL01B1	吉田 寿雄	Effect of Transition Metal Oxide Cocatalyst on the Photocatalytic Activity of Ag Loaded CaTiO ₃ for CO ₂ Reduction with Water and Water Splitting
			2019B1515	BL01B1	山本 旭	

Applied Physics Express

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
41287	Kwan Hon	14 (2021) 033001	2017B1017	BL25SU	野村 光	Numerical Simulation of Artificial Spin Ice for Reservoir Computing
41508	Akio Ogura	14 (2021) 011001	2017B3585	BL11XU	鈴木 秀俊	Inhomogeneous In-Plane Distribution of Preferential Glide Planes of β Dislocations in a Metamorphic InGaAs Solar Cell
			2016B3565	BL11XU	鈴木 秀俊	
			2018B3586	BL11XU	鈴木 秀俊	
			2019A3592	BL11XU	鈴木 秀俊	

Applied Surface Science

41368	Yugo Kubo	553 (2021) 149437	2016B1845	BL46XU	久保 優吾	Changes in the Chemical State of Metallic Cr during Deposition on a Polyimide Substrate: Full Soft XPS and ToF-SIMS Depth Profiles
			2016B5030	BL16XU	久保 優吾	
			2020A5030	BL16XU	上村 重明	
41481	Yi-Jan Lin	528 (2020) 147014	2017B4144	BL12B2	Tseng Yuan-Chieh	Role of Electrode-Induced Oxygen Vacancies in Regulating Polarization Wake-Up in Ferroelectric Capacitors

Catalysis Science & Technology

41186	Seiji Yamazoe	11 (2021) 116-123	2018B1352	BL01B1	山本 旭	Identification of Hydrogen Species on Pt/Al ₂ O ₃ by <i>in situ</i> Inelastic Neutron Scattering and Their Reactivity with Ethylene
			2018A1497	BL01B1	吉田 寿雄	
41230	Kazumasa Murata	11 (2021) 506-515	2018A1797	BL14B2	村田 和優	Kinetic Analysis of Ag Particle Redispersion into ZSM-5 in the Presence of Coke using <i>in situ</i> XAFS
			2018B1806	BL14B2	村田 和優	
			2019A1710	BL14B2	村田 和優	

FEBS Letters

41428	Atsushi Kodan	595 (2021) 707-716	2011B1210	BL41XU	小段 篤史	ABCB1/MDR1/P-gp Employs an ATP-Dependent Twist-and-Squeeze Mechanism to Export Hydrophobic Drugs
			2012A1304	BL41XU	小段 篤史	
			2012B1348	BL41XU	小段 篤史	
			2014A1163	BL41XU	小段 篤史	
			2014B1001	BL41XU	小段 篤史	
41454	Fumihiko Ogasawara	594 (2020) 3876-3881	2015A1039	BL41XU	小段 篤史	ABC Proteins in Evolution
			2011B1210	BL41XU	小段 篤史	
			2012A1304	BL41XU	小段 篤史	
			2012B1348	BL41XU	小段 篤史	
			2013B1277	BL41XU	小段 篤史	
			2014A1163	BL41XU	小段 篤史	
2014B1001	BL41XU	小段 篤史				
2015A1039	BL41XU	小段 篤史				

International Journal of Heat and Mass Transfer

41152	Omer Faruk Atac	169 (2021) 120897	2017B1102	BL40XU	文 石洙	Unraveling the Initial Flash Boiling Spray Formation at the Same Superheated Index Achieved by Altering Ambient Pressure and Fuel Temperature Independently
			2018A0145	BL40XU	文 石洙	
41492	Shunsuke Hashimoto	173 (2021) 121245	2017B1580	BL35XU	橋本 俊輔	Analysis of Enhancement Mechanism for Thermal Conductivity of Nanofluids by Inelastic X-ray Scattering

Journal of Molecular Liquids

41255	Szilvia Pothoczki	329 (2021) 115592	2018B1210	BL04B2	Temleitner László	Hydrogen Bonding and Percolation in Propan-2-ol – Water Liquid Mixtures: X-ray Diffraction Experiments and Computer Simulations
41384	Shinya Hosokawa	332 (2021) 115825	2005B0346	BL35XU	加美山 隆	Collective Dynamics of Liquid Acetone Investigated by Inelastic X-ray Scattering

JPS Conference Proceedings

41484	Shinya Hosokawa	33 (2021) 011069	2017A4125	BL12B2	Stellhorn Jens	Local- and Intermediate-Range Atomic Order in Ga ₂ Ge ₃ Se ₉ Glass: Complementary Use of X-Rays and Neutrons
			2018B1208	BL13XU	細川 伸也	
			2019A1556	BL13XU	細川 伸也	
41485	Shinya Hosokawa	33 (2021) 011070	2014A1060	BL13XU	細川 伸也	Local- and Intermediate-Range Order in Room Temperature Superionic Conducting Ag-GeSe ₃ Glasses

Materials 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
41189	Zenji Horita	62 (2021) 167-176	2017B1487	BL04B1	堀田 善治	<i>In Situ</i> Synchrotron X-ray Analysis: Application of High-Pressure Sliding Process to Ti Allotropic Transformation
			2018A1451	BL04B1	堀田 善治	
			2018B1697	BL04B1	増田 高大	
			2017A1851	BL04B1	肥後 祐司	
			2017A1864	BL04B1	肥後 祐司	
			2018B1494	BL04B1	堀田 善治	
41486	Tessui Nakagawa	(2021) Online publication Mar. 26, 2021	2015B1776	BL14B2	宮里 一旗	Structural Properties of (Ti, Zr)(Mn, Cr) ₂ M _{0.1} (M = None, Fe, Co, Ni, and Cu) Hydrogen Storage Alloys: Composition Distribution and Occupied Site of Doped Element

Nanoscale

41140	H. Kawamoto	12 (2020) 23274-23281	2019A7451	BL07LSU	永村 直佳	Micrometer-Scale Monolayer SnS Growth by Physical Vapor Deposition
			2018B7580	BL07LSU	永村 直佳	
41190	Masanori Wakizaka	12 (2020) 15814-15822	2018B1550	BL01B1	今岡 享稔	Subnano-Transformation of Molybdenum Carbide to Oxycarbide

Physical Chemistry Chemical Physics

41137	Jheng-Ming Huang	18 (2016) 15251-15259	2015B4134	BL12B2	Lin Chih Ming	Enhanced Electrical Properties and Field Emission Characteristics of AZO/ZnO-Nanowire Core-Shell Structures
41205	Suwilai Chaveanghong	23 (2021) 3866-3873	2018A7811	BL36XU	横山 利彦	Sulfur Poisoning of Pt and PtCo Anode and Cathode Catalysts in Polymer Electrolyte Fuel Cells Studied by <i>Operando</i> Near Ambient Pressure Hard X-ray Photoelectron Spectroscopy
			2018B7810	BL36XU	横山 利彦	
			2018B7811	BL36XU	横山 利彦	
			2019A7810	BL36XU	横山 利彦	
			2019A7811	BL36XU	横山 利彦	
			2019B7810	BL36XU	横山 利彦	
			2019B7811	BL36XU	横山 利彦	

Physical Review Research

41240	Max Burian	3 (2021) 013128	2017B8039	BL3	Staub Urs	Structural Involvement in the Melting of the Charge Density Wave in 1T-TiSe ₂
41283	Shuvam Sarkar	3 (2021) 013151	2017A4901	BL15XU	藤田 伸尚	Bulk Electronic Structure of High-Order Quaternary Approximants

Polymer

41159	Taizo Kabe	215 (2021) 123418	2017A1875	BL03XU	加部 泰三	Thermal Degradation and Isothermal Crystallization Behavior of Curdlan Propionate and its Melt-Spinning Fiber
			2019B7272	BL03XU	加部 泰三	
			2017A1440	BL45XU	加部 泰三	
			2017A7232	BL03XU	加部 泰三	
			2017B7281	BL03XU	加部 泰三	
			2018A7232	BL03XU	加部 泰三	
			2019A1213	BL40B2	岩田 忠久	
			2019B1081	BL40B2	岩田 忠久	
			2016B1966	BL03XU	増永 啓康	
41356	Yohei Nakanishi	218 (2021) 123486	2019A1730	BL27SU	中西 洋平	Effects of Mixing Process on Spatial Distribution and Coexistence of Sulfur and Zinc in Vulcanized EPDM Rubber
			2019B1811	BL27SU	中西 洋平	
			2020A1705	BL27SU	中西 洋平	
			2020A2019	BL19B2	内田 公典	
			2019B7264	BL03XU	内田 公典	
			2020A7213	BL03XU	内田 公典	

Polymers

41170	Daisuke Kugimoto	13 (2021) 460	2017B1300	BL40B2	秋葉 勇	Effect of Molecular Architecture on Associating Behavior of Star-Like Amphiphilic Polymers Consisting of Plural Poly(ethylene oxide) and One Alkyl Chain
			2017B1327	BL40B2	秋葉 勇	
			2018A1392	BL40B2	秋葉 勇	
			2018A1475	BL40B2	秋葉 勇	
			2018B1205	BL40B2	秋葉 勇	
41370	Shigesaburo Ogawa	12 (2020) 671	2014B7254	BL03XU	高橋 功	Unveiling the Uniqueness of Crystal Structure and Crystalline Phase Behavior of Anhydrous Octyl β-D-Glucoside Using Aligned Assembly on a Surface
			2015B7254	BL03XU	高橋 功	
			2016A7204	BL03XU	高橋 功	
			2017A7203	BL03XU	高橋 功	

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
41194	Hongtao Liu	115 (2018) 12046-12050	2017A2531	BL32XU	Kobilka Brian	Structure-Guided Development of Selective M3 Muscarinic Acetylcholine Receptor Antagonists
41256	Ryuta Kanai	118 (2021) e2020438118	2020A0171	BL41XU	豊島 近	Binding of Cardiotonic Steroids to Na ⁺ /K ⁺ -ATPase in the E2P State
			2018A0144	BL41XU	豊島 近	
			2016A0133	BL41XU	豊島 近	
			2013A0049	BL41XU	豊島 近	
			2012B1778	BL41XU	豊島 近	

Science Advances

41046	Samuel L. Rose	7 (2021) eabd8523	2019B8009	BL2	當舎 武彦	An Unprecedented Insight into the Catalytic Mechanism of Copper Nitrite Reductase from Atomic-Resolution and Damage-Free Structures
			2019A2575	BL41XU	當舎 武彦	
41417	T. Takenaka	7 (2021) eabf3996	2016A0073	BL43IR	佐々木 孝彦	Strongly Correlated Superconductivity in a Copper-Based Metal-Organic Framework with a Perfect Kagome Lattice

Solid State Ionics

41209	Masakuni Takahashi	361 (2021) 115568	2019B1021	BL08W	内本 喜晴	Improvement of Lithium Ionic Conductivity of Li ₃ PS ₄ through Suppression of Crystallization using Low-Boiling-Point Solvent in Liquid-Phase Synthesis
41374	Ryo Kawaguchi	355 (2020) 115415	2019A1216	BL02B2	単 躍進	Synthesis and Examination of GdNb _{1-x} W _x O _{4+δ} New Scheelite-Type Oxide-Ion Conductor

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

41076	Takuo Okuchi	49 (2021) 35-39	2018A8036	BL3	尾崎 典雅	Shock-Compression Experiments of Planetary Materials Driven by Power Lasers
			2018B8039	BL3	奥地 拓生	
			2018A8033	BL3	奥地 拓生	
			2017B8051	BL3	尾崎 典雅	
			2017B8080	BL3	奥地 拓生	
			2016B8083	BL3	奥地 拓生	
			2016B8084	BL3	尾崎 典雅	
41218	Yuhei Umeda	49 (2021) 56-60	2018B8069	BL3	尾崎 典雅	Experimental Investigations for Planetary Impact of Carbonate Minerals by High Power Laser and X-ray Free Electron Laser (XFEL)
			2018B8061	BL3	佐藤 友子	
			2018B8039	BL3	奥地 拓生	

2020 International Symposium on Electrical Insulating Materials (ISEIM)

41060	Ryota Kitani	(2020) 169-172	2017B1022	BL20XU	木谷 亮太	Q(t)-Measurements of Electrically Deteriorated Polymeric Materials Under Environmental Testing
			2018B1007	BL20XU	木谷 亮太	

ACS Applied Polymer Materials

41166	Masayuki Wakioka	3 (2021) 830-836	2019B1843	BL46XU	脇岡 正幸	Donor-Acceptor Polymers Containing 4,8-Dithienylbenzo[1,2- <i>b</i> :4,5- <i>b'</i>]dithiophene via Highly Selective Direct Arylation Polymerization
			2018A1584	BL19B2	脇岡 正幸	
			2018B1617	BL46XU	脇岡 正幸	
			2019B1803	BL19B2	富田 和孝	

ACS Energy Letter

41426	Sung-Fu Hung	4 (2019) 2813-2820	2017B4266	BL12XU	Chen Hao-Ming	In Situ Spatially Coherent Identification of Phosphide-Based Catalysts: Crystallographic Latching for Highly Efficient Overall Water Electrolysis
-------	--------------	-----------------------	-----------	--------	---------------	---

ACS Macro Letters

41391	Makoto Suzuki	10 (2021) 359-364	2020A0536	BL40XU	松下 裕秀	Hexagonally Packed Cylindrical Structures with Multiple Satellites from Pentablock Quarterpolymers of the AB ₁ CB ₂ D Type and Their Blends with Homopolymers
-------	---------------	----------------------	-----------	--------	-------	---

ACS Omega

41513	Takeshi Fujita	3 (2018) 16651-16657	2017B4605	BL15XU	阿部 英樹	Nanoporous Nickel Composite Catalyst for the Dry Reforming of Methane
-------	----------------	-------------------------	-----------	--------	-------	---

Acta Materialia

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
41070	Gaku Okuma	206 (2021) 116605	2019A1306	BL20XU	大熊 学	Microstructural Evolution of Electrodes in Sintering of Multi-Layer Ceramic Capacitors (MLCC) Observed by Synchrotron X-ray Nano-CT

Additive Manufacturing

41138	Kenta Yamanaka	37 (2021) 101678	2017A3740	BL22XU	山中 謙太	Quantifying the Dislocation Structures of Additively Manufactured Ti-6Al-4V Alloys using X-ray Diffraction Line Profile Analysis
-------	----------------	---------------------	-----------	--------	-------	--

Advanced Composite Materials

41495	Keisuke Iizuka	(2020) Published online 19 Nov. 2020	2018B1842	BL46XU	梶原 堅太郎	Reverse Piezo-Resistivity of 3D Printed Continuous Carbon Fiber/PA6 Composites in a Low Stress Range
-------	----------------	--------------------------------------	-----------	--------	--------	--

Advanced Electronic Materials

41136	Tatsuya Mori	7 (2021) 2001052	2019B1736	BL40B2	森 達哉	U-Shaped Heteroacenes Embedded with Heavy Chalcogen Atoms: Unique Bilayer Self-Organization of Crooked π -Cores Enabling Efficient Charge Transport
-------	--------------	---------------------	-----------	--------	------	---

Advanced Functional Materials

41077	Tsutomu Kanno	31 (2021) 2008469	2019B1812	BL35XU	菅野 勉	High-Density Frenkel Defects as Origin of N-Type Thermoelectric Performance and Low Thermal Conductivity in Mg_3Sb_2 -Based Materials
			2019B1883	BL19B2	菅野 勉	

Advanced Materials

41153	Naoya Ikeda	32 (2020) 2004072	2017A1132	BL40XU	畠山 琢次	Solution-Processable Pure Green Thermally Activated Delayed Fluorescence Emitter Based on the Multiple Resonance Effect
			2017B1073	BL40XU	畠山 琢次	
			2018A1114	BL40XU	畠山 琢次	
			2018B1125	BL40XU	畠山 琢次	
			2019A1142	BL40XU	畠山 琢次	
			2019B1063	BL40XU	畠山 琢次	

Advanced Powder Technology

41229	Takumi Kusano	31 (2020) 4491-4499	2018B7035	BL33XU	原田 雅史	Rheological Behavior of Concentrated Slurry and Wet Granules for Lithium Ion Battery Electrodes
			2019A7035	BL33XU	松永 拓郎	
			2019B7035	BL33XU	松永 拓郎	

AIP Advances

41257	Kozo Osamura	9 (2019) 075216	2017A1108	BL28B2	長村 光造	Inverted-Parabolic and Weak Strain Dependencies on the Critical Current in Practical $\langle 110 \rangle$ and $\langle 100 \rangle$ Oriented REBCO Tapes
			2017B1857	BL28B2	長村 光造	

Archives of Biochemistry and Biophysics

41410	Taro Matsuda	688 (2020) 108370	2017B6750	BL44XU	三上 文三	The High-Resolution Crystal Structure of Lobster Hemocyanin Shows its Enzymatic Capability as a Phenoloxidase
			2017A2546	BL26B1	三上 文三	
			2017A2547	BL26B1	三上 文三	

Astroparticle Physics

41361	Q. Abarr	126 (2021) 102529	2014B1092	BL20B2	松本 浩典	XL-Calibur – a Second-Generation Balloon-Borne Hard X-ray Polarimetry Mission
			2015A1274	BL20B2	松本 浩典	
			2016A1035	BL20B2	松本 浩典	
			2019B1221	BL20B2	前田 良知	
			2020A1298	BL20B2	前田 良知	

BBA Advances

41509	Kyouko Shinzawa-Itoh	1 (2021) 100009	2018A6854	BL44XU	村本 和優	The 1.3-Å Resolution Structure of Bovine Cytochrome c Oxidase Suggests a Dimerization Mechanism
			2018B6854	BL44XU	村本 和優	
			2019A6954	BL44XU	村本 和優	
			2019B6954	BL44XU	村本 和優	
			2020A6552	BL44XU	村本 和優	

Biochemical 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
41362	Hideaki Sato	478 (2021) 1023-1042	2016A6622	BL44XU	杉島 正一	Crystal Structures of Hydroxymethylbilane Synthase Complexed with a Substrate Analog: a Single Substrate-Binding Site for Four Consecutive Condensation Steps
			2016B6622	BL44XU	杉島 正一	
			2018A6700	BL44XU	中川 敦史	
			2017B6725	BL44XU	杉島 正一	

Biochimica et Biophysica Acta - Bioenergetics

41168	Kota Mochizuki	1861 (2020) 148283	2016A6635	BL44XU	原田 繁春	The ASCT/SCS Cycle Fuels Mitochondrial ATP and Acetate Production in <i>Trypanosoma brucei</i>
			2017A6722	BL44XU	志波 智生	
			2017B6722	BL44XU	志波 智生	
			2018A6820	BL44XU	志波 智生	
			2018B6820	BL44XU	志波 智生	

Biochimica et Biophysica Acta - General Subjects

41200	Hirofumi Shimizu	1864 (2020) 129361	2018B1154	BL28B2	清水 啓史	Diffraction X-ray Tracking Method for Recording Single-Molecule Protein Motions
-------	------------------	-----------------------	-----------	--------	-------	---

Biophysical Reviews

41072	Masayoshi Nakasako	12 (2020) 541-567	2012A8005	BL3	中迫 雅由	Methods and Application of Coherent X-ray Diffraction Imaging of Noncrystalline Particles
			2012B8037	BL3	中迫 雅由	
			2013A8043	BL3	中迫 雅由	
			2013B8049	BL3	中迫 雅由	
			2014A8033	BL3	中迫 雅由	
			2014B8052	BL3	中迫 雅由	
			2015A8051	BL3	中迫 雅由	
			2015B8049	BL3	中迫 雅由	
			2016A8048	BL3	中迫 雅由	
			2016B8064	BL3	中迫 雅由	
			2017A8015	BL3	中迫 雅由	
2017B8003	BL2	中迫 雅由				

Bulletin of the Chemical Society of Japan

41503	Shuhei Nishinaga	92 (2019) 1107-1116	2017A1771	BL46XU	尾坂 格	Bis[1]benzothieno[5,4- <i>d</i> 5',4'- <i>d'</i>]benzo[1,2- <i>b</i> :4,5- <i>b'</i>]dithiophene Derivatives: Synthesis and Effect of Sulfur Positions on Their Transistor Properties
			理研	BL44B2		

Carbohydrate Polymers

41079	Akari Okugawa	259 (2021) 117656	2018A1066	BL40B2	山根 千弘	Relaxation Phenomenon and Swelling Behavior of Regenerated Cellulose Fibers Affected by Organic Solvents
-------	---------------	----------------------	-----------	--------	-------	--

Carbon

41366	Takaaki Taniguchi	177 (2021) 26-34	2017B4602	BL15XU	谷口 貴章	Reversible Hydrogenation and Irreversible Epoxidation Induced by Graphene Oxide Electrolysis
-------	-------------------	---------------------	-----------	--------	-------	--

Cardiovascular Diabetology

41312	Eugene Saw	20 (2021) 50	2018A1282	BL28B2	Katara Rajesh	Activation of the Cardiac Non-Neuronal Cholinergic System Prevents the Development of Diabetes-Associated Cardiovascular Complications
-------	------------	-----------------	-----------	--------	---------------	--

Cell

41195	Xiangyu Liu	177 (2019) 1243-1251	2018A2515	BL32XU	Kobilka Brian	Structural Insights into the Process of GPCR-G Protein Complex Formation
-------	-------------	-------------------------	-----------	--------	---------------	--

Cell Chemical Biology

41054	Daisuke Hazama	27 (2020) 1181-1191	2018B6500	BL44XU	山下 栄樹	Macrocyclic Peptide-Mediated Blockade of the CD47-SIRP α Interaction as a Potential Cancer Immunotherapy
-------	----------------	------------------------	-----------	--------	-------	---

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
41265	Sho Yamaguchi	13 (2021) 1135-1139	2017B1830	BL14B2	金田 清臣	H ₂ -Free Selective Dehydroxymethylation of Primary Alcohols over Palladium Nanoparticle Catalysts
			2017B1155	BL01B1	金田 清臣	
			2017B1620	BL14B2	金田 清臣	
			2017A1820	BL14B2	金田 清臣	
			2017A1239	BL01B1	金田 清臣	
2018A1537	BL14B2	水垣 共雄				

Chemical and Pharmaceutical 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
41038	Hiroki Ohnari	69 (2021) 72-80	2014A1049	BL40B2	小幡 蒼子	Phase Separation in Lipid Lamellae Result from Ceramide Conformations and Lateral Packing Structure
			2017A1094	BL40B2	小幡 蒼子	
			2017B1092	BL40B2	小幡 蒼子	

Chemical Engineering 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
41223	Chechia Hu	235 (2021) 116451	2019A1386	BL01B1	吉田 真明	Production of Glycerol Carbonate from Carboxylation of Glycerol with CO ₂ using ZIF-67 as a Catalyst

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	実験責任者	タイトル
41095	Keisuke Fujimoto	16 (2021) 690-695	2020A1627	BL19B2	中山 泰生	Curved Perylene Diimides Fused with Seven-Membered Rings

ChemistrySelect

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
41369	Shigesaburo Ogawa	5 (2020) 10022-10028	2018A7203	BL03XU	藤原 明比古	Thermal Behavior of Anhydrous Ascorbic Acid 6-Palmitate with Trace of Decomposition

ChemSusChem

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
41198	Hiroshi Ito	14 (2021) 1377-1387	2015B1791	BL20XU	辻 良太郎	High Capacity and Energy Density Organic Lithium-Ion Battery Based on Buckypaper with Stable π -Radical

Circulation 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
41206	Jason Kar-Sheng Lew	127 (2020) 1384-1400	2015B1366	BL28B2	Schwenke Daryl	Exercise Regulates MicroRNAs to Preserve Coronary and Cardiac Function in the Diabetic Heart
			2016A1177	BL28B2	Schwenke Daryl	
			2017A1389	BL20B2	Pearson James	

Clinical 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
41091	James Pearson	135 (2021) 327-346	2013A1267	BL28B2	Pearson James	β -Blockade Prevents Coronary Macro- and Microvascular Dysfunction Induced by a High Salt Diet and Insulin Resistance in the Goto-Kakizaki Rat
			2013B1767	BL28B2	Pearson James	
			2015A1354	BL40XU	Pearson James	
			2015A1449	BL28B2	Pearson James	
			2015B1469	BL28B2	Pearson James	

Communications Biology

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
41411	Makoto Hibi	4 (2021) 16	2019B2714	BL26B1	三上 文三	A Three-Component Monooxygenase from <i>Rhodococcus wratislaviensis</i> May Expand Industrial Applications of Bacterial Enzymes
			2018A2533	BL26B1	三上 文三	
			2018A2563	BL26B1	三上 文三	

Communications Physics

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
41422	Yuki Takayama	4 (2021) 48	2017A3201	BL24XU	高山 裕貴	Dynamic Nanoimaging of Extended Objects via Hard X-ray Multiple-Shot Coherent Diffraction with Projection Illumination Optics
			2017B3201	BL24XU	高山 裕貴	
			2018A3201	BL24XU	高山 裕貴	
			2018B3201	BL24XU	高山 裕貴	
			2019A3201	BL24XU	高山 裕貴	
			2019A3297	BL24XU	高山 裕貴	
			2019B3201	BL24XU	高山 裕貴	

CrystEngComm

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
41382	Jaemyung Kim	23 (2021) 1628-1633	2020A1002	BL20B2	坂田 修身	Highly-Crystalline 6 Inch Free-Standing GaN Observed using X-ray Diffraction Topography
			2020A4503	BL15XU	Kim Jaemyung	
			2020A4504	BL15XU	Kim Jaemyung	
			2020A1794	BL20B2	生田目 俊秀	

Dalton 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
41039	Atsushi Kondo	49 (2020) 3692-3699	2017B1112	BL02B2	近藤 篤	A Flexible Two-Dimensional Layered Metal–Organic Framework Functionalized with (Trifluoromethyl)trifluoroborate: Synthesis, Crystal Structure, and Adsorption/Separation Properties
			2018A1446	BL02B2	近藤 篤	
			2018B1111	BL02B2	近藤 篤	

e-Journal of Surface Science and Nanotechnology

41421	Mario Okawa	19 (2021) 20-23	2014A7465	BL07LSU	大川 万里生	Valence Fluctuations in Yb(Al,Fe)B ₄ Studied by Nanosecond-Time-Resolved Photoemission Spectroscopy Using Synchrotron Radiation
			2015A7485	BL07LSU	大川 万里生	

Genes

41167	Dan Sato	11 (2020) 1468	2015B6535	BL44XU	原田 繁春	Structural and Biochemical Features of <i>Eimeria tenella</i> Dihydroorotate Dehydrogenase, a Potential Drug Target
			2016A6635	BL44XU	原田 繁春	
			2016B6635	BL44XU	原田 繁春	

Geochimica et Cosmochimica Acta

41191	Paul Clarence M. Francisco	271 (2020) 1-20	2017B3504	BL11XU	土井 玲祐	Interaction of Fe ^{II} and Si under Anoxic and Reducing Conditions: Structural Characteristics of Ferrous Silicate Co-Precipitates
			2018A3711	BL22XU	土井 玲祐	

Green Chemistry

41491	Sho Yamaguchi	23 (2021) 2010-2016	2019A1390	BL01B1	満留 敬人	Air-Stable and Reusable Nickel Phosphide Nanoparticle Catalyst for the Highly Selective Hydrogenation of D-glucose to D-sorbitol
			2019B1560	BL01B1	満留 敬人	
			2020A1487	BL01B1	満留 敬人	
			2020A0558	BL01B1	満留 敬人	

IEEE Transactions on Magnetics

41282	Toshiya Inami	57 (2021) 6400105	2014B3711	BL22XU	稲見 俊哉	Feasibility Study of Magnetic-Domain Observation by Means of Non-Resonant Magnetic X-Ray Diffraction
			2015A3711	BL22XU	稲見 俊哉	
			2015B3711	BL22XU	稲見 俊哉	
			2016A3761	BL22XU	稲見 俊哉	
			2016B3762	BL22XU	稲見 俊哉	
			2017A3555	BL11XU	稲見 俊哉	
			2017B3555	BL11XU	稲見 俊哉	
			2018A3556	BL11XU	稲見 俊哉	
2018B3556	BL11XU	稲見 俊哉				

Inorganica Chimica Acta

41359	Masahiko Maekawa	514 (2021) 119962	2017B1254	BL02B1	杉本 邦久	Syntheses and Structural Characterizations of Mononuclear Ir(III) Hydride Complexes with 2,2':6',2''-terpyridine in the κ^2N,N' and κ^3N,N',N'' Coordination Modes
			2018A1426	BL02B1	杉本 邦久	
			2018B1409	BL02B1	杉本 邦久	
			2018B1412	BL02B1	杉本 邦久	
			2018B1818	BL02B1	杉本 邦久	
			2018B1819	BL02B1	前川 雅彦	

International Immunology

41416	Daisuke Morita	32 (2020) 805-810	2019B2714	BL26B1	三上 文三	Crystal Structure of the Ternary Complex of TCR, MHC Class I and Lipopeptides
-------	----------------	----------------------	-----------	--------	-------	---

International Journal of Cosmetic Science

41064	Takeshi Yamada	43 (2021) 38-47	2016A1508	BL40B2	山田 武	Moisturizing Mechanism of Glycerol and Diglycerol on Human Stratum Corneum Studied by Synchrotron X-ray Diffraction
			2016B1578	BL40B2	山田 武	
			2017A1559	BL19B2	山田 武	
			2017A1821	BL19B2	山田 武	
			2017B1607	BL19B2	山田 武	
			2017B1910	BL19B2	山田 武	
			2018A1542	BL19B2	山田 武	
			2018B1601	BL40B2	山田 武	
2019B1720	BL40B2	山田 武				

International Journal of Hydrogen Energy

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
41405	Toyokazu Tanabe	45 (2020) 28607-28615	2017B4910	BL15XU	田邊 豊和	Solar Hydrogen Evolution over Native Visible-Light-Driven Sn ₃ O ₄
			2018B4911	BL15XU	田邊 豊和	

Ionics

41058	Naoya Ishida	27 (2021) 925-933	2016A1509	BL19B2	井手本 康	Single-Phase Synthesis, Average, Electronic, and Local Structure and Cathode Properties of Pyroxene Type LiFeSi ₂ O ₆
			2016B1859	BL19B2	井手本 康	
			2017A1573	BL14B2	井手本 康	
			2017B1590	BL14B2	井手本 康	
			2017A1290	BL04B2	井手本 康	

ISJ International

41048	Masanori Suzuki	60 (2020) 2765-2772	2019A1444	BL08W	鈴木 賢紀	Phase Identification of Crystal Precipitated from Molten CaO-SiO ₂ -FeO _x -P ₂ O ₅ Slag by High Temperature <i>In-situ</i> X-ray Diffraction
			2018B1140	BL08W	鈴木 賢紀	

JOM

41224	Maranori Usui	73 (2021) 600-608	2017A7012	BL33XU	木村 英彦	Reliability of Cu Nanoparticles/Bi-Sn Solder Hybrid Bonding Under Cyclic Thermal Stresses
			2017B7012	BL33XU	木村 英彦	
			2018B7012	BL33XU	木村 英彦	

Joule

41425	Min Liu	3 (2019) 1703-1718	2017B4126	BL12B2	Hwang Bing Joe	Quantum-Dot-Derived Catalysts for CO ₂ Reduction Reaction
			2017B4269	BL12XU	Hwang Bing Joe	
			2018A4126	BL12B2	Hwang Bing Joe	
			2018A4255	BL12XU	Hwang Bing Joe	
			2018A4140	BL12B2	Hwang Bing Joe	

Journal of Applied Physics

41353	Yukiharu Takeda	128 (2020) 213902	2009A3829	BL23SU	竹田 幸治	Direct Observation of the Magnetic Ordering Process in the Ferromagnetic Semiconductor Ga _{1-x} Mn _x As via Soft X-ray Magnetic Circular Dichroism
			2009B3829	BL23SU	竹田 幸治	
			2010B3829	BL23SU	竹田 幸治	
			2014A3821	BL23SU	竹田 幸治	
			2014B3821	BL23SU	竹田 幸治	
			2016A3810	BL23SU	藤森 伸一	
			2011B3825	BL23SU	竹田 幸治	
			2013A3821	BL23SU	竹田 幸治	

Journal of Archaeological Science: Reports

41184	Masaaki Tabata	36 (2021) 102823	2017A1717	BL20XU	田端 正明	Estimation of Places of Production of Porcelains of Unknown Origins Excavated at the Mietsu Naval Facility Site Based on Differences in the Solubility of Trace Metals during the Elutriation Process
-------	----------------	---------------------	-----------	--------	-------	---

The Journal of Biochemistry

41193	Hiroki Tanaka	167 (2020) 419-427	2018A2535	BL41XU	胡桃坂 仁志	Biochemical and Structural Analyses of the Nucleosome Containing Human Histone H2A.J
-------	---------------	-----------------------	-----------	--------	--------	--

Journal of Catalysis

41053	Wei Liu	394 (2021) 50-57	2019B1830	BL14B2	八木 俊介	Effects of Zinc Ions at Tetrahedral Sites in Spinel Oxides on Catalytic Activity for Oxygen Evolution Reaction
			2019A1071	BL02B2	藤田 晃司	
			2019B1420	BL02B2	山田 幾也	

Journal of Chemical Engineering of Japan

41233	Anna Nagai	54 (2021) 44-49	2019A1695	BL40B2	永井 杏奈	Cocrystallization of 1-Pyrenemethylamine/CD-MOF Composite Using THF as a Cosolvent
-------	------------	--------------------	-----------	--------	-------	--

Journal of Energy Chemistry

41372	Junfu Zhou	56 (2021) 449-454	2019A1367	BL02B2	Ye Lin	The Synergy of Modulated Surface Polarity and Oxygen Vacancy for CO ₂ to Methanol over Zn ^(δ+) Ti ^(δ+) O _{vacancy}
-------	------------	----------------------	-----------	--------	--------	--

Journal of Inorganic Biochemistry

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
41367	Satoshi Nagao	217 (2021) 111374	2018B2707	BL26B1	長尾 聡	Rational Design of Metal-Binding Sites in Domain-Swapped Myoglobin Dimers
			2017B2722	BL38B1	長尾 聡	

Journal of Luminescence

41498	Kazushige Ueda	229 (2021) 117683	2018B1573	BL14B2	植田 和茂	Site-Dependent Eu ³⁺ Photoluminescence in Double Perovskite-Type Alkaline Earth Lanthanum Tantalates
			2017B1576	BL14B2	植田 和茂	

Journal of Magnetism and Magnetic Materials

41393	A. K. Srinithi	529 (2021) 167866	2019A1007	BL02B2	廣澤 哲	Phase Relations and Extrinsic Magnetic Properties of Sm-(Fe,Co)-Ti-(Ga)-Based Alloys for ThMn ₁₂ -Type Permanent Magnets
-------	----------------	----------------------	-----------	--------	------	---

Journal of Morphology

41349	Zixin Cheng	280 (2019) 555-567	2016A1269	BL47XU	Blanke Alexander	Functional Morphology of <i>Trichadenotecnum</i> Male and Female Genitalia Analyzed using μ CT (Insecta: Psocodea: Psocomorpha)
			2017B1712	BL47XU	小川 直記	

The Journal of Organic Chemistry

41364	Keigo Shirahata	86 (2021) 302-309	2019A1478	BL02B1	青柳 忍	Reduction of Ethynylenes to Vinylenes in a Macrocyclic π -Extended Thiophene Skeleton Under McMurry Coupling Conditions
-------	-----------------	----------------------	-----------	--------	------	---

Journal of Peptide Science

41281	Yuki Orito	27 (2021) e3311	2017B1168	BL45XU	古屋 秀峰	Direct Determination of Helix Structures Involved in the Screw-Sense Reversal of Poly(β -phenylpropyl L-aspartate) by Synchrotron X-ray Diffraction
-------	------------	--------------------	-----------	--------	-------	--

The Journal of Physical Chemistry B

41365	Kazuhira Miwa	125 (2021) 918-925	2018A1479	BL02B1	青柳 忍	Anionic Fluorinated Zn-porphyrin Combined with Cationic Endohedral Li-Fullerene for Long-Lived Photoinduced Charge Separation with Low Energy Loss
-------	---------------	-----------------------	-----------	--------	------	--

The Journal of Physical Chemistry Letters

41051	Dmitrii Semenov	12 (2021) 32-40	2019B1476	BL10XU	Troyan Ivan	Novel Strongly Correlated Europium Superhydrides
-------	-----------------	--------------------	-----------	--------	-------------	--

Journal of Physics and Chemistry of Solids

41268	Naoya Yoshikane	150 (2021) 109822	2017B4268	BL12XU	Prassides Kosmas	Chemical Tuning of Samarium Valence in Mixed Valence (Sm _{1-x} Ca _x) ₂ 75C ₆₀ Fullerenes
			2018B4252	BL12XU	Prassides Kosmas	

Journal of Power Sources

41247	Yu-Qi Chen Master	477 (2020) 228473	2018B4266	BL12XU	Chen Tsan Yao	An Electrolyte Additive with Boron-Nitrogen-Oxygen Alkyl Group Enabled Stable Cycling for High Voltage LiNi _{0.5} Mn _{1.5} O ₄ Cathode in Lithium-Ion Battery
-------	-------------------	----------------------	-----------	--------	---------------	--

Journal of Power Sources Advances

41383	Manabu Kodama	8 (2021) 100048	2018B1482	BL47XU	上杉 健太郎	Three-Dimensional Structural Measurement and Material Identification of an All-Solid-State Lithium-Ion Battery by X-Ray Nanotomography and Deep Learning
			2019B2000	BL47XU	兒玉 学	
			2020A1035	BL20XU	兒玉 学	
			2020A1036	BL47XU	兒玉 学	
			2020A1390	BL20XU	竹内 晃久	
2020A1781	BL20XU	兒玉 学				

Journal of Solid State Chemistry

41055	Masatsugu Oishi	294 (2021) 121893	2018A1174	BL01B1	大石 昌嗣	<i>In situ</i> Evaluation of the Electronic/Local Structure in B-Site Mixed Perovskite-Type Oxide SrFe _{0.6} Mn _{0.4} O _{3-δ}
			2018B1446	BL01B1	大石 昌嗣	

Journal of Structural Biology: X

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
41274	Chun Ming Zhang	5 (2021) 100045	理研	BL45XU		Structural Flexibility of the Tetanus Neurotoxin Revealed by Crystallographic and Solution Scattering Analyses
			2017A6745	BL44XU	福田 庸太	
			2017B6745	BL44XU	福田 庸太	
			2018A6844	BL44XU	福田 庸太	
			2018B6844	BL44XU	福田 庸太	
			2019A6943	BL44XU	福田 庸太	
2019B6943	BL44XU	福田 庸太				

Journal of Synchrotron Radiation

41073	Nami Nakamura	27 (2020) 1366-1371	2018A8060	BL3	山内 和人	Focus Characterization of an X-ray Free-Electron Laser by Intensity Correlation Measurement of X-ray Fluorescence
			2018B8027	BL3	山内 和人	

Journal of the American Ceramic Society

41300	Tomoya Kaneko	(2021) Online published 23 Feb., 2021	2017B1568	BL28B2	西堀 麻衣子	The Difference of PMMA-Brush-Modification on the Oxygen Permeable Perovskite-Type Oxides by Consisting Elements
-------	---------------	---------------------------------------	-----------	--------	--------	---

Journal of the Ceramic Society of Japan

41126	Kyoko Okada	128 (2020) 981-990	2015B1520	BL27SU	岡田 京子	In-Flight Melting Method with an Oxygen-Excess Gas Burner for Glass Making
-------	-------------	-----------------------	-----------	--------	-------	--

Journal of the Chinese Chemical Society

41068	Rycoe Pratikha	67 (2020) 2189-2197	2019A1350	BL02B1	小島 達弘	A Charge-Separation-Type Ionic Solid Composed of Hexanuclear Complexes with a Macrocyclic Tetragold(I) Metalloligand
			2018A1441	BL02B2	吉成 信人	
			2019B1107	BL02B2	吉成 信人	

Journal of the Electrochemical Society

41188	Yuta Nabae	168 (2021) 014513	2016B7907	BL36XU	難波江 裕太	In Situ X-ray Absorption Spectroscopy to Monitor the Degradation of Fe/N/C Cathode Catalyst in Proton Exchange Membrane Fuel Cells
			2017A1035	BL14B2	今井 英人	
			2017B5390	BL16B2	今井 英人	
			2018A7840	BL36XU	岩澤 康裕	
			2018B7907	BL36XU	難波江 裕太	

Langmuir

41041	Hiromu Sakamoto	36 (2020) 14811-14818	2019A1118	BL37XU	松原 弘樹	Surface Freezing of Cetyltrimethylammonium Chloride-Hexadecanol Mixed Adsorbed Film at Dodecane-Water Interface
-------	-----------------	--------------------------	-----------	--------	-------	---

MATEC Web of Conferences

41146	Kenta Yamanaka	321 (2020) 03026	2017A3740	BL22XU	山中 謙太	In situ Synchrotron X-ray Diffraction Line-Profile Analysis of Additively Manufactured Ti-6Al-4V Alloy under Tensile Deformation
-------	----------------	---------------------	-----------	--------	-------	--

Materials

41346	Yuki Gunjo	14 (2021) 1088	2019B1908	BL19B2	鶴田 諒平	Interface Structures and Electronic States of Epitaxial Tetraazaphthalene on Single-Crystal Pentacene
			2020A1627	BL19B2	中山 泰生	

Materials Chemistry Frontiers

41267	Naoya Yoshikane	4 (2020) 3521-3528	2017B4268	BL12XU	Prassides Kosmas	Pressure-Induced Valence Transition in the Mixed-Valence (Sm _{1/3} Ca _{2/3}) ₂ 75C ₆₀ Fulleride
			2018B4252	BL12XU	Prassides Kosmas	
			2019A4264	BL12XU	Prassides Kosmas	

Materials Science Forum

41045	Mutsumi Sano	1016 (2021) 1223-1228	2018B1393	BL02B1	佐野 睦	Internal Dislocation Density in Deformed GlidCop from X-Ray Line Profile Analysis
-------	--------------	--------------------------	-----------	--------	------	---

Molecular Pharmaceutics

41395	Keishi Yamasaki	18 (2021) 1061-1070	2019B6911	BL44XU	河合 聡人	Interaction of Benzbromarone with Subdomains IIIA and IB/IIA on Human Serum Albumin as the Primary and Secondary Binding Regions
-------	-----------------	------------------------	-----------	--------	-------	--

Molecular Plant

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
41139	Hiroyoshi Matsumura	13 (2020) 1570-1581	2018A6859	BL44XU	吉澤 拓也	Hybrid Rubisco with Complete Replacement of Rice Rubisco Small Subunits by Sorghum Counterparts Confers C ₄ Plant-Like High Catalytic Activity

Nanoinformatics

41388	Hitoshi Yusa	(2018) 259-277	2017B1198	BL10XU	遊佐 斉	Structural Relaxation of Oxide Compounds from the High-Pressure Phase
			2017B1192	BL04B2	遊佐 斉	

Nature

41231	Zhuo Jiang	586 (2020) 549-554	2019A4902	BL15XU	Deng Hexiang	Filling Metal-Organic Framework Mesopores with TiO ₂ for CO ₂ Photoreduction
-------	------------	-----------------------	-----------	--------	--------------	--

Nature Chemical Biology

41197	Xiangyu Liu	16 (2020) 749-755	2018A2515	BL32XU	Kobilka Brian	An Allosteric Modulator Binds to a Conformational Hub in the β_2 Adrenergic Receptor
-------	-------------	----------------------	-----------	--------	---------------	--

New Journal of Chemistry

41250	Dinesh Bhalothia	44 (2020) 9712-9724	2019B4274	BL12XU	Chen Tsan Yao	Heterogeneous Assembly of Pt-Clusters on Hierarchically Structured CoO _x @SnPd ₂ @SnO ₂ Quaternary Nanocatalysts Manifesting Oxygen Reduction Reaction Performance
-------	------------------	------------------------	-----------	--------	---------------	---

NPG Asia Materials

41040	Yohei Onodera	12 (2020) 85	2015A1366	BL04B2	増野 敦信	Structure and Properties of Densified Silica Glass: Characterizing the Order within Disorder
			2016A0130	BL04B2	小原 真司	

Nucleic Acids Research

41203	Chen Hsi Chu	47 (2019) 2113-2129	2013B6600	BL44XU	Hsiao Chwan Deng	Crystal Structures of <i>HpSoj</i> -DNA Complexes and the Nucleoid-Adaptor Complex Formation in Chromosome Segregation
-------	--------------	------------------------	-----------	--------	------------------	--

Organic & Biomolecular Chemistry

41158	Shu Fujita	18 (2020) 8827-8833	2019A1649	BL14B2	水垣 共雄	Nickel Phosphide Nanoalloy Catalyst for the Selective Deoxygenation of Sulfoxides to Sulfides under Ambient H ₂ Pressure
			2019A1390	BL01B1	満留 敬人	
			2019B1560	BL01B1	満留 敬人	
			2020A1487	BL01B1	満留 敬人	

Organic Letters

41436	Kazuto Nakamura	23 (2021) 305-310	2016B1311	BL40B2	山門 陵平	Conformation-Changeable π -Electronic Systems with Metastable Bent-Core Conformations and Liquid-Crystalline-State Electric-Field-Responsive Properties
			2016B1498	BL40B2	羽毛田 洋平	

Philosophical Magazine

41212	Jason Paul Hadorn	100 (2020) 194-216	2018B3321	BL08B2	鎌田 功穂	Direct Evaluation of Threading Dislocations in 4H-SiC through Large-Angle Convergent Beam Electron Diffraction
			2019A3269	BL24XU	鎌田 功穂	
			2019A3321	BL08B2	鎌田 功穂	

Photonics Research

41245	Anna Kafar	9 (2021) 299-307	2019B5080	BL16XU	榊 篤史	Influence of Substrate Misorientation on the Emission and Waveguiding Properties of a Blue (In,Al,Ga)N Laser-Like Structure Studied by Synchrotron Radiation Microbeam X-ray Diffraction
			2020A5082	BL16XU	榊 篤史	

PLoS Biology

41303	Jonathan B. Leano	17 (2019) e3000260	2017A2533	BL32XU	樹下 成信	Structures Suggest a Mechanism for Energy Coupling by a Family of Organic Anion Transporters
-------	-------------------	-----------------------	-----------	--------	-------	--

PLoS ONE

41252	Supaporn Baiya	16 (2021) e0241325	2016A6658	BL44XU	Caims James	Structural Analysis of Rice Os4BGlu18 Monoglucosyl β -glucosidase
-------	----------------	-----------------------	-----------	--------	-------------	---

Powder Technology

41228	Maria Yokota	380 (2021) 265-272	2019A7035	BL33XU	松永 拓郎	In-situ 3D Visualization of Compression Process for Powder Beds by Synchrotron-Radiation X-ray Computed Laminography
			2019B7035	BL33XU	松永 拓郎	

Proceedings of the 2020 10th International Conference on Biomedical Engineering 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
41483	Keiji Umetani	(2020) 128-134	2017B1439	BL28B2	梅谷 啓二	Biomedical Micro-CT and Micro-Angiography Systems Using High Megapixel Digital Single-Lens Reflex Cameras and Synchrotron Radiation
			2018A1285	BL20B2	梅谷 啓二	
			2018A2039	BL28B2	梅谷 啓二	
			2018B1402	BL20B2	梅谷 啓二	
			2018B2021	BL28B2	梅谷 啓二	

Progress in Earth and Planetary Science

41096	Yoshinari Abe	8 (2021) 13	2018B1748	BL37XU	阿部 善也	Widespread Distribution of Radiocesium-Bearing Microparticles over the Greater Kanto Region Resulting from the Fukushima Nuclear Accident
			2019B1308	BL37XU	阿部 善也	
			2018A1704	BL37XU	阿部 善也	
			2017B1757	BL37XU	中井 泉	
			2017A1719	BL37XU	中井 泉	
			2016B1811	BL37XU	中井 泉	
			2016A1705	BL37XU	中井 泉	

Progress in Nuclear Science and Technology

41354	Yukiharu Takeda	5 (2018) 171-174	2015A3820	BL23SU	藤森 伸一	Soft X-ray Magnetic Circular Dichroism Study on UGe ₂
			2015B3820	BL23SU	藤森 伸一	
			2016A3810	BL23SU	藤森 伸一	
			2016B3811	BL23SU	藤森 伸一	
			2017A3811	BL23SU	藤森 伸一	

Progress in Superconductivity and Cryogenics

41258	Kozo Osamura	21 (2019) 1-9	2017B1857	BL28B2	Osamura Kozo	Local Strain / Stress and Their Influence to Mechano - Electromagnetic Properties of in Composite Superconducting Wires
-------	--------------	------------------	-----------	--------	--------------	---

Review of Scientific Instruments

41199	Akihisa Takeuchi	92 (2021) 023701	2015A1402	BL20XU	竹内 晃久	High-Energy X-ray Nanotomography Introducing an Apodization Fresnel Zone Plate Objective Lens
			2015A1482	BL47XU	竹内 晃久	
			2016B1454	BL47XU	竹内 晃久	
			2017A1377	BL47XU	竹内 晃久	
			2017B1482	BL47XU	竹内 晃久	
			2018A1382	BL47XU	竹内 晃久	
			2018A1389	BL20XU	竹内 晃久	
			2018B1395	BL20XU	竹内 晃久	
			2019A1169	BL20XU	竹内 晃久	
			2019B1406	BL47XU	竹内 晃久	
			2019B1404	BL20XU	竹内 晃久	
			2020A1390	BL20XU	竹内 晃久	
			2016B1463	BL47XU	上杉 健太郎	

RSC Advances

41089	Preeyanuch Junkong	10 (2020) 4772-4785	2017B1631	BL14B2	池田 裕子	Effect of Fatty Acids on the Accelerated Sulfur Vulcanization of Rubber by Active Zinc/Carboxylate Complexes
			2017B1922	BL14B2	池田 裕子	
			2012A1419	BL14B2	池田 裕子	
			2012B1891	BL14B2	池田 裕子	
			2013A1828	BL14B2	池田 裕子	
			2013B1840	BL14B2	池田 裕子	
			2014A1574	BL14B2	池田 裕子	
			2017A1611	BL14B2	池田 裕子	
			2009A1929	BL14B2	池田 裕子	
			2009B2044	BL14B2	池田 裕子	
			2010A1778	BL14B2	池田 裕子	

Rubber Chemistry and Technology

41090	Preeyanuch Junkong	92 (2019) 388-398	2018B1523	BL40XU	池田 裕子	Influence of Strain-Induced Crystallization on Stress Softening of Sulfur Cross-Linked Unfilled Guayule and Dandelion Natural Rubbers
			2015A1872	BL40XU	池田 裕子	
			2015B1814	BL40XU	池田 裕子	

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
41196	Xiangyu Liu	364 (2019) 1283-1287	2018A2515	BL32XU	Kobilka Brian	Mechanism of β_2 AR Regulation by an Intracellular Positive Allosteric Modulator

Science and Technology of Advanced Materials

41394	Junais Habeeb Mokkath	22 (2021) 141-149	2015B4503	BL15XU	富中 悟史	Temperature-Dependent Electronic Structure of Bixbyite α - Mn_2O_3 and The Importance of a Subtle Structural Change on Oxygen Electrocatalysis
-------	-----------------------	----------------------	-----------	--------	-------	---

Sensors and Actuators A

41376	Hiroaki Yoshizawa	323 (2021) 112634	2017B1591	BL40XU	上原 宏樹	Actuation Mechanism of Drawn Polyethylene Evaluated by Structural Change during Cyclic Stretching/Shrinking
			2017A1613	BL40XU	上原 宏樹	

Small

41165	Yanping Lin	16 (2020) 2002426	2019B4137	BL12B2	Lin Yan-Gu	Co-Induced Electronic Optimization of Hierarchical NiFe LDH for Oxygen Evolution
-------	-------------	----------------------	-----------	--------	------------	--

Solid State Communications

41059	Takeo Miyashita	326 (2021) 114180	2019A1209	BL25SU	岩澤 英明	Emergence of Low-Energy Electronic States in Oxygen-Controlled Mott Insulator $Ca_2RuO_{4+\delta}$
			2018B1371	BL25SU	岩澤 英明	

Sustainable Energy & Fuels

41420	Tomokazu Umeyama	5 (2021) 2028-2035	2020A1743	BL46XU	石田 圭一	Prolongation of the Singlet Exciton Lifetime of Nonfullerene Acceptor Films by the Replacement of the Central Benzene Core with Naphthalene
			2019A1824	BL46XU	石田 圭一	

Zeitschrift für Physikalische Chemie

41313	Shinya Hosokawa	235 (2021) 99-115	2008A1064	BL35XU	細川 伸也	Transverse Acoustic Phonon Excitations in Liquid Metals
			2009B1074	BL35XU	細川 伸也	
			2010B1353	BL35XU	細川 伸也	
			2011B1213	BL35XU	細川 伸也	
			2011B1314	BL35XU	乾 雅祝	
			2012A1102	BL35XU	細川 伸也	
			2012B1277	BL35XU	細川 伸也	
			2013A1138	BL35XU	細川 伸也	
			2013B1269	BL35XU	乾 雅祝	
			2017A1448	BL35XU	細川 伸也	
2017B1260	BL35XU	細川 伸也				

化学工学論文集 (Kagaku Kogaku Ronbunshu)

41429	Akihiko Kato	47 (2021) 44-50	2018B7001	BL33XU	岩崎 正興	Spatiotemporal Analysis of Plug Flow Reactor for NO_x Storage and Reduction Catalyst by Operando X-ray Absorption Spectroscopy
-------	--------------	--------------------	-----------	--------	-------	--

軽金属 (Journal of Japan Institute of Light Metals)

41409	Serina Tanaka	71 (2021) 144-151	2017B1772	BL27SU	足立 大樹	Soft X-ray XAFS Analysis of Cluster Formation Behavior during Natural Aging on an Al-Mg-Si Alloy
			2018A1539	BL27SU	足立 大樹	
			2019A1613	BL27SU	足立 大樹	

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

41389	Fumio Kawamura	30 (2020) 195-201	2017B4506	BL15XU	遊佐 斉	Synthesis of Novel Nitride Semiconductors and Hard Materials Using High-Pressure Metathesis Reaction
			2018A4502	BL15XU	遊佐 斉	

塗装工学 (Journal of Japan Coating Technology Association)

41440	Tai Nakayama	56 (2021) 4-12	2017B1751	BL46XU	中山 泰	Analysis of Aluminum Flake Behavior during Formation of Metallic Coating by X-ray Imaging Method with High Energy Synchrotron Radiation
			2015B1921	BL46XU	谷口 昌司	
			2013A1307	BL46XU	梶原 堅太郎	
			2014A1782	BL46XU	梶原 堅太郎	
			2015A1682	BL46XU	梶原 堅太郎	

表面と真空 (Vacuum and Surface Science)

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
41466	Satoshi Toyoda	64 (2021) 86-91	2018A3835	BL23SU	豊田 智史	Development of <i>Spatiotemporal</i> Measurement and Analysis Techniques in X-ray Photoelectron Spectroscopy ~From NAP-HARPES to 4D-XPS~
			2018B3835	BL23SU	豊田 智史	
			2019A3835	BL23SU	豊田 智史	
			2019B3835	BL23SU	豊田 智史	

ぶんせき (Bunseki)

41129	Satoshi Tsutsui	(2021) 14-20	2016B1547	BL09XU	世木 隆	Synchrotron-Radiation-Based Mössbauer Spectroscopy for Chemical Analysis
			2013B1505	BL14B2	金田 清臣	
			2014A1552	BL09XU	世木 隆	
			2014B1629	BL19B2	齋藤 健一	
			2015B1947	BL09XU	筒井 智嗣	
			2016A1413	BL09XU	筒井 智嗣	
			2016B1498	BL40B2	羽毛田 洋平	
			2016B1057	BL09XU	筒井 智嗣	
			2017A1060	BL09XU	筒井 智嗣	
			2017B1275	BL09XU	筒井 智嗣	
2018A1534	BL09XU	筒井 智嗣				

博士論文 (京都大学)

41187	Guoji Huang	(2020)	2019B1362	BL02B2	山口 大輔	Carbon Based Membranes for Molecular Separations
41432	Soichi Kikkawa	(2020)	2017A1073	BL01B1	寺村 謙太郎	The Design of Active Sites for Selective Catalytic Conversion of Carbon Dioxide
			2017B1230	BL28B2	朝倉 博行	
			2017B1553	BL01B1	寺村 謙太郎	
			2018A1493	BL28B2	田中 庸裕	
			2019A1436	BL28B2	田中 庸裕	
			2017B1958	BL01B1	加藤 和男	
			2018A2070	BL01B1	加藤 和男	
			2018B2110	BL01B1	加藤 和男	
			2019A1447	BL01B1	寺村 謙太郎	
			2019A2066	BL01B1	加藤 和男	
2019B1761	BL01B1	吉川 聡一				

博士論文 (大阪大学)

41435	Kazuki Shida	(2020)	2018B1664	BL13XU	志田 和己	ナノビーム X 線回折法による 3 次元深さ分解結晶構造評価に関する研究
			2019A1702	BL13XU	志田 和己	
			2017A1860	BL13XU	今井 康彦	
			2017B1981	BL13XU	今井 康彦	

博士論文 (京都工芸繊維大学)

41088	Kosuke Miyaji	(2021)	2013A1455	BL40XU	池田 裕子	Study on Characteristics of Sulfur Cross-Linking of Rubbers Activated by Dinuclear Bridging Bidentate Zinc/Carboxylate Complexes
			2017B1631	BL14B2	池田 裕子	
			2017B1922	BL14B2	池田 裕子	
			2012A1419	BL14B2	池田 裕子	
			2012B1891	BL14B2	池田 裕子	
			2013A1828	BL14B2	池田 裕子	
			2013B1840	BL14B2	池田 裕子	
			2014A1574	BL14B2	池田 裕子	
2017A1611	BL14B2	池田 裕子				

博士論文 (東京大学)

41286	Peng Lu	(2020)	2014B1362	BL41XU	田之倉 優	Structural and Functional Studies of Iron Uptake Transporters in Gram-Negative Bacteria
-------	---------	--------	-----------	--------	-------	---

博士論文 (北海道大学)

41350	Naoki Ogawa	(2019)	2016A1269	BL47XU	Blanke Alexander	Evolutionary Process of Thoracic Jumping Ability in Hemiptera
			2017B1712	BL47XU	小川 直記	

課題以外の成果として登録された論文

The Journal of Biological Chemistry

研究成果番号	主著者	雑誌情報		ビームライン	タイトル
41450	Yi Ding	278 (2003) 27966-27970		BL41XU	Crystal Structure of the Ectodomain of Human FcαRI
41451	Masayuki Yamasaki	278 (2003) 35524-35530		BL44XU	Crystal Structure of S-Ovalbumin as a Non-Loop-Inserted Thermostabilized Serpin Form
41452	Masamichi Nagae	278 (2003) 42240-42246		BL45XU	The Crystal Structure of the Novel Calcium-Binding Protein AtCBL2 from <i>Arabidopsis thaliana</i>

Journal of the American Chemical Society

41505	Shun Suginome	141 (2019) 15649-15655	理研	BL44B2	One-Step Synthesis of an Adaptive Nanographene MOF: Adsorbed Gas-Dependent Geometrical Diversity
41506	Keichi Yano	141 (2019) 10033-10038	理研	BL44B2	Supramolecular Polymerization in Liquid Crystalline Media: Toward Modular Synthesis of Multifunctional Core-Shell Columnar Liquid Crystals

Acta Crystallographica Section A

41357	Bjarke Svane	77 (2021) 85-95	理研	BL44B2	Multipole Electron Densities and Structural Parameters from Synchrotron Powder X-ray Diffraction Data Obtained with a MYTHEN Detector System (OHGI)
-------	--------------	--------------------	----	--------	---

Angewandte Chemie International Edition

41234	Zhifang Sun	57 (2018) 15772-15776	理研	BL45XU	An Anisotropic Hydrogel Actuator Enabling Earthworm-Like Directed Peristaltic Crawling
-------	-------------	--------------------------	----	--------	--

Biochemistry

41378	Shin Kawano	41 (2002) 15195-15202		BL44XU	Guanine Binding Site of the <i>Nicotiana glutinosa</i> Ribonuclease NW Revealed by X-Ray Crystallography
-------	-------------	--------------------------	--	--------	--

ChemBioChem

41235	Noriyuki Uchida	19 (2018) 1922-1926	理研	BL45XU	Kinetically Stable Bicelles with Dilution Tolerance, Size Tunability, and Thermoresponsiveness for Drug Delivery Applications
-------	-----------------	------------------------	----	--------	---

Chemical Science

41501	Tigmansu Pal	10 (2019) 5218-5225	理研	BL44B2	Interfacial Transmetalation Synthesis of a Platinadithiolenene Nanosheet as a Potential 2D Topological Insulator
-------	--------------	------------------------	----	--------	--

Genes to Cells

41449	Nobutoshi Ito	8 (2003) 913-923		BL41XU	Crystal Structure of the <i>Pyrococcus horikoshii</i> DNA Primase-UTP Complex: Implications for the Mechanism of Primer Synthesis
-------	---------------	---------------------	--	--------	---

IUBMB Life

41275	Manuel Maestre-Reyna	73 (2021) 418-431	理研	BL45XU	<i>Vibrio cholerae</i> Biofilm Scaffolding Protein FbmA Shows an Intrinsic, Phosphate-Dependent Autoproteolysis Activity
-------	----------------------	----------------------	----	--------	--

The Journal of Physical Chemistry C

41238	Mizuho Sugiuchi	124 (2020) 16209-16215	理研	BL45XU	Aggregation-Mode-Dependent Optical Properties of Cationic Gold Clusters: Formation of Ordered Assemblies in Solution and Unique Optical Responses
-------	-----------------	---------------------------	----	--------	---

Langmuir

41504	Wanying Zhang	35 (2019) 14031-14041	理研	BL44B2	Highly Miscible Hybrid Liquid-Crystal Systems Containing Fluorescent Excited-State Intramolecular Proton Transfer Molecules
-------	---------------	--------------------------	----	--------	---

Nanoscale

41236	Liming Liu	11 (2019) 20467-20474	理研	BL45XU	Tunable Electronic Properties by Ligand Coverage Control in PbS Nanocrystal Assemblies
-------	------------	--------------------------	----	--------	--

Nature

41239	Chuangqi Zhao	580 (2020) 210-215	理研	BL45XU	Layered Nanocomposites by Shear-Flow-Induced Alignment of Nanosheets
-------	---------------	-----------------------	----	--------	--

Nature Communications

研究成果番号	主著者	雑誌情報		ビームライン	タイトル
41237	Koki Sano	11 (2020) 6026	理研	BL45XU	A Mechanically Adaptive Hydrogel with a Reconfigurable Network Consisting Entirely of Inorganic Nanosheets and Water

Nucleic Acids Research

41379	Tomoko Sunami	30 (2002) 5253-5260		BL44XU	Crystal Structure of d(GCGAAAGCT) Containing a Parallel-Stranded Duplex with Homo Base Pairs and an Anti-Parallel Duplex with Watson-Crick Base Pairs
-------	---------------	------------------------	--	--------	---

Optica

41074	Jumpei Yamada	7 (2020) 367-370	理研	BL29XU	Compact Full-Field Hard X-ray Microscope Based on Advanced Kirkpatrick-Baez Mirrors
			装置&技術		

Science

41507	Keiichi Yano	363 (2019) 161-165	理研	BL44B2	Nematic-to-Columnar Mesophase Transition by in situ Supramolecular Polymerization
			理研	BL45XU	

Sensors

41075	Jumpei Yamada	20 (2020) 7356	理研	BL29XU	X-Ray Single-Grating Interferometry for Wavefront Measurement and Correction of Hard X-Ray Nanofocusing Mirrors
			装置&技術		