

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、2020 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ることができます。

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 2020 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
Japanese Journal of Applied Physics	9	Chemistry of Materials	4
JPS Conference Proceedings	9	Inorganic Chemistry	4
Physical Review B	9	Journal of Alloys and Compounds	4
Nature Communications	7	Journal of Crystal Growth	4
ACS Applied Materials & Interfaces	6	Journal of the American Chemical Society	4
ACS Catalysis	5		

他全 142 誌、計 241 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

Japanese Journal of Applied Physics

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
39312	Daichi Oka	59 (2020) 010601	2018A1220	BL39XU	岡 大地	Analyses on Atomic Arrangement in Dielectric ϵ -Ga ₂ O ₃ Epitaxial Thin Films
39395	Tomohiro Matsushita	59 (2020) 020502	2015A0116	BL25SU	林 好一	Data Processing for Atomic Resolution Holography
39430	Shota Noda	58 (2019) SLLA06	2015A0074	BL02B2	森吉 千佳子	Structural Fluctuation of Pb(Mg _{1/3} Nb _{2/3})O ₃ in the Cubic Phase
39431	Hiroo Tajiri	59 (2020) 020503	2015A1226	BL13XU	田尻 寛男	Progress in Surface X-ray Crystallography and the Phase Problem
			2015A2055	BL13XU	田尻 寛男	
			2015B1106	BL13XU	田尻 寛男	
			2016A1298	BL13XU	田尻 寛男	
			2016A1860	BL13XU	田尻 寛男	
			2016B1199	BL13XU	田尻 寛男	
			2016B1952	BL13XU	田尻 寛男	
			2017A1345	BL13XU	田尻 寛男	
39507	Takanori Mimura	59 (2020) SGGB04	2017A4701	BL15XU	清水 莊雄	Thickness- and Orientation- Dependences of Curie Temperature in Ferroelectric Epitaxial Y Doped HfO ₂ Films
39531	Mina Sakuragi	59 (2020) 035002	2018B1424	BL40B2	櫻木 美菜	Effects of Structures of Microemulsions Containing a Deep Eutectic Solvent on the Entrapment amount and the Skin Permeation of Resveratrol
39551	Isaho Kamata	57 (2018) 090314	2017A3269 2017B3269 2016B3321 2018B3269	BL24XU BL24XU BL08B2 BL24XU	鎌田 功穂	X-ray Topographical Analysis of 4H-SiC Epitaxial Layers using a Forward-Transmitted Beam under a Multiple-Beam Diffraction Condition
39606	Takashi Kunimoto	59 (2020) 035004	2016A1505	BL14B2	國本 崇	Joint Extended X-ray Absorption Fine Structure and Luminescence Study of Bulk and Nanocrystalline Eu ³⁺ and Bi ³⁺ Co-Doped YVO ₄ Phosphor
39673	Kazuki Shida	58 (2019) SCCB16	2017B1484	BL13XU	竹内 正太郎	Quantitative Analysis of Lattice Plane Microstructure in the Growth Direction of a Modified Na-Flux GaN Crystal using Nanobeam X-ray Diffraction

JPS Conference Proceedings-1

39498	Fuminori Honda	29 (2020) 013002	2016A1040 2016B1150 2016B1188	BL39XU BL39XU BL39XU	河村 直己 河村 直己 広瀬 雄介	Magnetic and Electronic Properties of the Ternary Compound U ₂ T ₃ Si ₅ (T = Rh, Ir)
39621	Keiichiro Imura	30 (2020) 011131	2015A4259	BL12XU	井村 敬一郎	Pressure and Temperature Evolution of Sm Mean-Valence in Golden SmS
			2015B4257	BL12XU	井村 敬一郎	
			2016B4259	BL12XU	井村 敬一郎	
39622	Shin Imada	30 (2020) 011079	2012B1535	BL25SU	今田 真	Electronic States of LaAuSb ₂ Studied by Soft X-Ray ARPES
39629	Masaaki Kobata	30 (2020) 011192	2018A3732 2018B3732 2019A3732	BL22XU BL22XU BL22XU	吉井 賢資 吉井 賢資 吉井 賢資	Hard X-ray Photoelectron Spectroscopy Study of Pt/Y ₃ Fe ₅ O ₁₂
39630	Kenshirou Iba	30 (2020) 011164	2018A3786	BL22XU	松村 武	Magnetic Structure of a Chiral Magnet DyNi ₃ Al ₉
39636	Ryohei Shimokasa	30 (2020) 011134	2017B1068 2017B1974 2018A1053 2018A2060 2018B2091 2019A1399 2019A1584	BL39XU BL39XU BL39XU BL39XU BL39XU BL39XU BL39XU	三村 功次郎 河村 直己 三村 功次郎 河村 直己 河村 直己 三村 功次郎 河村 直己	Electronic Structure of the Valence Transition System Eu(Rh _{1-x} T _x) ₂ Si ₂ (T = Co, Ir) Studied by High-Energy Resolution Fluorescence Detection X-Ray Absorption Spectroscopy

JPS 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
39662	Kazuhiro Maeda	30 (2020) 011137	2017A0071	BL09XU	三村 功次郎	Yb L_3 Resonant Hard X-Ray Photoemission Spectroscopy of Valence Transition Compound YbInCu ₄
			2015A1355	BL47XU	水牧 仁一郎	
			2015B1999	BL39XU	水牧 仁一郎	
			2017A1068	BL35XU	水牧 仁一郎	
			2017B1223	BL39XU	佐藤 仁	
			2017B1447	BL09XU	佐藤 仁	
			2019A1269	BL09XU	佐藤 仁	
39663	Satoshi Tsutsui	30 (2020) 011115	2015A2036	BL35XU	筒井 智嗣	Rare-Earth Atomic Motion in RBe ₁₃ (R: La, Pr, Sm)
			2016A1840	BL35XU	筒井 智嗣	
			2018B1093	BL35XU	筒井 智嗣	
			2018B2038	BL35XU	筒井 智嗣	
			2018B2039	BL09XU	依田 芳卓	
			2019A1288	BL35XU	筒井 智嗣	
39664	Koji Kaneko	30 (2020) 011032	2013B1095	BL35XU	Goh Swee	Nature of Structural Instabilities in Superconducting Sr ₃ Ir ₄ Sn ₁₃
			2015B1294	BL35XU	Goh Swee	
			2016A1160	BL35XU	Goh Swee	
			2017A1130	BL35XU	Goh Swee	
			2017B1228	BL35XU	Goh Swee	
			2018A1399	BL35XU	Goh Swee	

Physical Review B

39284	Koji Kimura	101 (2020) 024302	2017B1531	BL35XU	木村 耕治	Local Structure and Atomic Dynamics in Fe ₂ VAI Heusler-Type Thermoelectric Material: The Effect of Heavy Element Doping
			2016A1097	BL35XU	木村 耕治	
			2016A1348	BL13XU	木村 耕治	
			2018A1400	BL35XU	木村 耕治	
			2018A1461	BL13XU	木村 耕治	
			2018A1763	BL35XU	木村 耕治	
			2018B1540	BL13XU	木村 耕治	
			2016B0908	BL01B1	若林 裕助	
			2017A1492	BL01B1	山添 誠司	
39324	Yoichi Ishiwata	101 (2020) 035145	2014B4135	BL12B2	石渡 洋一	Corundum Insulating Phases in Highly Ti-doped V ₂ O ₃ Nanocrystals
			2013B4253	BL12XU	石渡 洋一	
			2014A4259	BL12XU	石渡 洋一	
			2014B4144	BL12B2	石渡 洋一	
			2014B4255	BL12XU	石渡 洋一	
			2015A4142	BL12B2	石渡 洋一	
			2015A4250	BL12XU	石渡 洋一	
			2015A4261	BL12XU	石渡 洋一	
			2015B4136	BL12B2	石渡 洋一	
			2015B4254	BL12XU	石渡 洋一	
			2016A4138	BL12B2	石渡 洋一	
			2016A4250	BL12XU	石渡 洋一	
39393	Blair Lebert	101 (2020) 020506(R)	2015B1720	BL35XU	Lebert Blair	Doping-Induced In-Plane Anisotropy of Bond-Stretching Phonon Softening in Oxychloride Ca _{2-x} CuO ₂ Cl ₂ Compounds
			2017A4258	BL12XU	Chainani Ashish	Electronic Structure Investigation of a Charge Density Wave Coupled to a Metal-to-Metal Transition in Ce ₃ Co ₄ Sn ₁₃
39490	Shinobu Aoyagi	101 (2020) 064104	2013A0100	BL02B1	青柳 忍	Rotational Intersite Displacement of Disordered Lead Atoms in a Relaxor Ferroelectric during Piezoelectric Lattice Straining and Ferroelectric Domain Switching
			2016A1328	BL02B1	青柳 忍	
			2017B1976	BL02B1	大沢 仁志	
			2019B1470	BL02B1	青柳 忍	
39506	Yujun Zhang	101 (2020) 085134	2018B1449	BL47XU	Zhang Yujun	Photoemission and Dynamical Mean Field Theory Study of Electronic Correlations in a t _{2g} Metal SrRhO ₃ Thin Film
39528	Keita Ito	101 (2020) 104401	2013B3880	BL23SU	木村 昭夫	Manipulation of Saturation Magnetization and Perpendicular Magnetic Anisotropy in Epitaxial Co _x Mn _{4-x} N Films with Ferrimagnetic Compensation
39530	Aleksandra Krajewska	101 (2020) 121101(R)	2016B3552	BL11XU	石井 賢司	Almost Pure J _{eff} = 1/2 Mott State of In ₂ Ir ₂ O ₇ in the Limit of Reduced Intersite Hopping
39665	Junichi Shiogai	101 (2020) 125125	2016A0073	BL43IR	佐々木 孝彦	Signature of Band Inversion in the Perovskite Thin-Film Alloys BaSn _{1-x} Pb _x O ₃

Scientific Reports

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
39407	Nobuyuki Tatemizo	10 (2020) 1819	2019A1266	BL27SU	今田 早紀	Electronic Structure of AlFeN Films Exhibiting Crystallographic Orientation Change from c -axis to a -axis with Fe Concentrations and Annealing Effect
			2019B1175	BL27SU	今田 早紀	
			2018A1103	BL27SU	今田 早紀	
			2019A1669	BL01B1	立溝 信之	
			2017B1704	BL27SU	立溝 信之	
			2018A1648	BL27SU	立溝 信之	
			2018B1694	BL27SU	立溝 信之	
39424	Shigeaki Ono	10 (2020) 1393	2019A1099	BL10XU	小野 重明	Fate of Subducted Argon in the Deep Mantle
39426	Masayoshi Imanishi	7 (2017) 5141	2013B1588	BL19B2	齋藤 健一	Uniaxial Orientation of P3HT Film Prepared by Soft Friction Transfer Method
			2014B1629	BL19B2	齋藤 健一	
39433	Michihiro Sugahara	10 (2020) 1371	2017A8042	BL3	菅原 道泰	Viscosity-Adjustable Grease Matrices for Serial Nanocrystallography
			2017B8079	BL2	菅原 道泰	
39435	Edgar Ferrer-González	9 (2019) 20092	2017A6748	BL44XU	松村 浩由	Structure-Guided Design of a Fluorescent Probe for the Visualization of FtsZ in Clinically Important Gram-Positive and Gram-Negative Bacterial Pathogens
			2017A2570	BL38B1	松村 浩由	
			2017B6748	BL44XU	松村 浩由	
			2018A2719	BL32XU	吉澤 拓也	
			2018A6859	BL44XU	吉澤 拓也	
39457	Masanori Miyagi	8 (2018) 12944	2014A3782	BL22XU	川人 洋介	Effect of Alloy Element on Weld Pool Dynamics in Laser Welding of Aluminum Alloys
			2014B3781	BL22XU	川人 洋介	
39462	Daiki Ootsuki	10 (2020) 1541	2017A1406	BL47XU	吉田 鉄平	Thickness-Induced Metal to Insulator Transition in Ru Nanosheets Probed by Photoemission Spectroscopy: Effects of Disorder and Coulomb Interaction
			2015B1462	BL47XU	吉田 鉄平	
39617	Teruya Nakamura	10 (2020) 5152	2012A6751	BL44XU	山縣 ゆり子	Structural Analysis of TIFA: Insight into TIFA-Dependent Signal Transduction in Innate Immunity
			2012B6751	BL44XU	山縣 ゆり子	
			2012B6735	BL44XU	中村 照也	
			2014A6957	BL44XU	山縣 ゆり子	
			2017B6762	BL44XU	山縣 ゆり子	
			2012B1019	BL41XU	山本 雅貴	
39632	Kengo Kitadokoro	10 (2020) 5469	2016A6615	BL44XU	北所 健悟	Crystal Structure of Pathogenic <i>Staphylococcus aureus</i> Lipase Complex with the Anti-Obesity Drug Orlistat
			2016B6615	BL44XU	北所 健悟	
			2017A6716	BL44XU	北所 健悟	
			2017B6716	BL44XU	北所 健悟	
			2018A6813	BL44XU	北所 健悟	
			2018B6813	BL44XU	北所 健悟	
			2019A6912	BL44XU	北所 健悟	

Nature Communications

39262	Masahiko Furutani	11 (2020) 76	2016A2519	BL41XU	平野 良憲	Polar Recruitment of RLD by LAZY1-like Protein during Gravity Signaling in Root Branch Angle Control
			2017A2552	BL41XU	平野 良憲	
			2018A2503	BL41XU	森 智行	
			2018A2540	BL41XU	平野 良憲	
39397	Longjian Xie	11 (2020) 548	2015A1771	BL04B1	Xie Longjian	Formation of Bridgmanite-Enriched Layer at the Top Lower-Mantle during Magma Ocean Solidification
			2016A1651	BL04B1	Xie Longjian	
			2016B1686	BL04B1	Xie Longjian	
			2017B1686	BL04B1	Xie Longjian	
			2018A1637	BL04B1	Xie Longjian	
39415	Maiko Wakita	11 (2020) 649	2019A2545	BL41XU	山形 敦史	Structural Insights into Selective Interaction between Type IIa Receptor Protein Tyrosine Phosphatases and Liprin- α
39492	Kohsuke Mori	10 (2019) 4094	2018B1082	BL01B1	森 浩亮	Controlled Release of Hydrogen Isotope Compounds and Tunneling Effect in the Heterogeneously-Catalyzed Formic Acid Dehydrogenation
39587	Tomohisa Sawada	10 (2019) 5687	2018A1144	BL01B1	森 浩亮	A Metal-Peptide Capsule by Multiple Ring Threading
39601	Ken-ichi Otake	11 (2020) 843	2015A0120	BL38B1	藤田 誠	Confined Water-Mediated High Proton Conduction in Hydrophobic Channel of a Synthetic Nanotube
			2016A1343	BL02B2	大坪 主弥	
			2016A1361	BL02B1	北川 宏	
			2016B1438	BL02B1	北川 宏	
			2017A1349	BL02B2	大坪 主弥	
			2017A1366	BL02B1	北川 宏	
			2017B1483	BL02B1	北川 宏	
39650	Luyu Fan	11 (2020) 1074	2018A1434	BL02B1	北川 宏	Haloperidol Bound D ₂ Dopamine Receptor Structure Inspired the Discovery of Subtype Selective Ligands

ACS Applied Materials & Interfaces

研究成果番号	主著者	雑誌情報	課題番号	ピームライン	実験責任者	タイトル
39313	Takushin Cyou	12 (2020) 6056-6063	2018B3634	BL14B1	吉川 浩史	Zeolitic Vanadomolybdates as High-Performance Cathode-Active Materials for Sodium-Ion Batteries
			2019A3634	BL14B1	吉川 浩史	
			2018A3634	BL14B1	吉川 浩史	
39402	Zuocheng Cai	12 (2020) 5847-5856	2019B1830	BL14B2	八木 俊介	ZIF-Derived $\text{Co}_{0.8}\text{Ni}_0.2\text{S}_8$ Nanoparticles Immobilized on N-Doped Carbons as Efficient Catalysts for High-Performance Zinc-Air Batteries
39443	Shinobu Takao	12 (2020) 2299-2312	2016A7804	BL36XU	岩澤 康裕	Visualization Analysis of Pt and Co Species in Degraded $\text{Pt}_3\text{Co}/\text{C}$ Electrocatalyst Layers of a Polymer Electrolyte Fuel Cell Using a Same-View Nano-XAFS/STEM-EDS Combination Technique
			2016B7804	BL36XU	岩澤 康裕	
			2017A7804	BL36XU	岩澤 康裕	
			2017A7807	BL36XU	岩澤 康裕	
			2018A7804	BL36XU	岩澤 康裕	
			2018B7804	BL36XU	岩澤 康裕	
			2019A7804	BL36XU	岩澤 康裕	
			2017B7804	BL36XU	岩澤 康裕	
39471	Shogo Hatayama	11 (2019) 43320-43329	2018A1243	BL47XU	須藤 祐司	Cr-Triggered Local Structural Change in $\text{Cr}_2\text{Ge}_2\text{Te}_6$ Phase Change Material
39494	Takeharu Yoshii	11 (2019) 37708-37719	2018B1185	BL01B1	桑原 泰隆	Engineering of Surface Environment of Pd Nanoparticle Catalysts on Carbon Support with Pyrene-Thiol Ligands for Semihydrogenation of Alkynes
			2018B1082	BL01B1	森 浩亮	
39514	Keitaro Yamada	12 (2020) 9489-9497	2019A1823	BL19B2	山田 啓太郎	High Vertical Carrier Mobilities of Organic Semiconductors Due to a Deposited Laid-Down Herringbone Structure Induced by a Reduced Graphene Oxide Template

ACS Catalysis

39447	Takashi Toyao	9 (2019) 8187-8196	2018B1126	BL01B1	鳥屋尾 隆	Heterogeneous Pt and MoO_x Co-Loaded TiO_2 Catalysts for Low-Temperature CO_2 Hydrogenation To Form CH_3OH
39449	Yuan Jing	10 (2020) 1010-1023	2018A1757	BL14B2	鳥屋尾 隆	Promotional Effect of La in the Three-Way Catalysis of La-Loaded Al_2O_3 -Supported Pd Catalysts ($\text{Pd/La/Al}_2\text{O}_3$)
			2018B1768	BL14B2	鳥屋尾 隆	
39452	Yusuke Inomata	9 (2019) 9327-9331	2018B1768	BL14B2	鳥屋尾 隆	Bulk Vanadium Oxide versus Conventional $\text{V}_2\text{O}_5/\text{TiO}_2$: NH_3 -SCR Catalysts Working at a Low Temperature Below 150 °C
39453	Fei Han	9 (2019) 10398-10408	2019A1614	BL14B2	鳥屋尾 隆	Formation of Highly Active Superoxide Sites on CuO Nanoclusters Encapsulated in SAPO-34 for Catalytic Ammonia Oxidation
39508	Kazuki Tamai	10 (2020) 2528-2537	2018A1683	BL28B2	玉井 和樹	Dynamics of the lattice Oxygen in a Ruddlesden-Popper-Type $\text{Sr}_3\text{Fe}_1\text{O}_{7-\delta}$ Catalyst during NO Oxidation
			2018A1363	BL28B2	加藤 和男	
			2017B1989	BL28B2	加藤 和男	
			2017A1876	BL28B2	加藤 和男	
			2018B1709	BL28B2	玉井 和樹	

Chemistry of Materials

39325	Kentaro Yamamoto	32 (2020) 139-147	2018A1274	BL01B1	山本 健太郎	Charge Compensation Mechanism of Lithium-Excess Metal Oxides with Different Covalent and Ionic Characters Revealed by <i>Operando</i> Soft and Hard X-ray Absorption Spectroscopy
			2018A1276	BL27SU	山本 健太郎	
			2018A1776	BL14B2	山本 健太郎	
			2017A1024	BL27SU	内本 喜晴	
			2017A1026	BL02B2	内本 喜晴	
			2017A1032	BL01B1	内本 喜晴	
			2016B1023	BL27SU	内本 喜晴	
			2016B1835	BL19B2	内本 喜晴	
39432	Hiroki Ubukata	31 (2019) 7360-7366	2017A1118	BL02B2	Kageyama Hiroshi	Hydride Conductivity in an Anion-Ordered Fluorite Structure LnHO with an Enlarged Bottleneck
39519	Yuki Oriksa	32 (2020) 1011-1021	2015B1809	BL01B1	折笠 有基	Noncrystalline Nanocomposites as a Remedy for the Low Diffusivity of Multivalent Ions in Battery Cathodes
			2016A1769	BL14B2	折笠 有基	
			2016B1515	BL01B1	折笠 有基	
			2016B1522	BL02B2	折笠 有基	
			2017B1493	BL01B1	折笠 有基	
			2018A1355	BL01B1	折笠 有基	
			2018B1429	BL01B1	折笠 有基	
			2019A1264	BL01B1	折笠 有基	
			2019A1274	BL04B2	折笠 有基	
39638	Tomoya Fujiwara	32 (2020) 1439-1447	2019B1401	BL04B2	折笠 有基	Single-Crystal Model of Highly Efficient Water-Splitting Photocatalysts: A KYaO_3 Wafer Doped with Calcium Cations
			2015A0116	BL13XU	林 好一	
			2016B1107	BL13XU	大西 洋	
			2017A1079	BL13XU	大西 洋	

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
39406	Hayato Ishizaki	58 (2019) 16059-16064	2017B1697	BL02B2	山本 孟	Robust Giant Tetragonal Distortion Coupled with High-Spin Co ³⁺ in Electron-Doped BiCoO ₃
			2018A1630	BL02B2	駒場 慎一	
			2018A1642	BL02B2	尾形 昂洋	
			2018B2098	BL02B2	河口 彰吾	
			2019A1688	BL02B2	西久保 匠	
39421	Masato Goto	59 (2020) 2024-2029	2019A1265	BL02B2	後藤 真人	Successive and Site-Selective Oxygen Release from B-Site-Layer-Ordered Double Perovskite Ca ₂ FeMnO ₆ with Unusually High Valence Fe ⁴⁺
			2018B1313	BL02B2	後藤 真人	
39533	Kohta Asano	59 (2020) 2758-2764	2015A3703	BL22XU	町田 晃彦	Metallurgical Synthesis of Mg ₂ Fe _x Si _{1-x} Hydride: Destabilization of Mg ₂ FeH ₆ Nanostructured in Templatized Mg ₂ Si
			2015A3784	BL22XU	Kim Hyunjeong	
			2017A3751	BL22XU	町田 晃彦	
			2017A3784	BL22XU	Kim Hyunjeong	
39577	Tomohito Sudare	58 (2019) 15710-15719	2019A1606	BL02B2	田中 秀樹	Highly Crystalline Ni-Co Layered Double Hydroxide Fabricated via Topochemical Transformation with a High Adsorption Capacity for Nitrate Ions

Journal of Alloys and Compounds

39394	Farid Labib	822 (2020) 153541	2018A4907	BL15XU	藤田 伸尚	Icosahedral Quasicrystals and Their Cubic Approximants in the Cd-Mg-RE (RE = Y, Sm, Gd, Tb, Dy, Ho, Er, Tm) Systems
39607	Naoki Fukumoto	825 (2020) 153830	2017B3651	BL14B1	齋藤 寛之	Superstoichiometric Hydride PdH _{x≤2} Formed by Electrochemical Synthesis: Dissolution as Molecular H ₂ Proposed
39610	Yasutaka Shiota	829 (2020) 154478	2019B5400	BL16B2	米山 明男	Improvement of Thermoelectric Property in Ce Filled Fe ₃ Co ₁ Sb ₁₂ by Sn Addition
39661	Alpa Dashora	824 (2020) 153883	2017B0921 2015B0901	BL08W BL08W	壬生 攻 千葉 大地	Study of Magnetism in Fe Doped CoCr ₂ O ₄ using Magnetic Compton Scattering and First-Principles Computations

Journal of Crystal Growth

39391	Jumpei Yamada	534 (2020) 125493	2016A1003	BL13XU	若林 裕助	Precipitation of Multilayer Graphene Directly on Gallium Nitride Template using Tungsten Capping Layer
			2017B3584	BL11XU	成塚 重弥	
			2018A3588	BL11XU	成塚 重弥	
			2018B3588	BL11XU	成塚 重弥	
			2019A3589	BL11XU	成塚 重弥	
39434	Hironobu Machida	533 (2020) 125476	2017B1027	BL40B2	町田 博宣	Calorimetric and Small-Angle X-ray Scattering Studies on the Memory Effect in the Tetra- <i>n</i> -butylammonium Bromide Semiclathrate Hydrate System
39554	Yuichiro Tokuda	468 (2017) 889-893	2016B3321	BL08B2	鎌田 功穂	Observation of Double Shockley Stacking Fault Expansion in Heavily-Nitrogen-Doped 4H-SiC using PL Technique
			2016A3321	BL08B2	鎌田 功穂	
			2015B3321	BL08B2	鎌田 功穂	
			2015A3321	BL08B2	鎌田 功穂	
39555	Norihiro Hoshino	478 (2017) 9-16	2016B3321	BL08B2	鎌田 功穂	Fast Growth of n-type 4H-SiC Bulk Crystal by Gas-Source Method
			2016A3321	BL08B2	鎌田 功穂	
			2015B3321	BL08B2	鎌田 功穂	

Journal of the American Chemical Society

39318	Yoshinobu Kamakura	142 (2020) 27-32	2019A1668	BL02B1	鎌倉 吉伸	Semiconductive Nature of Lead-Based Metal–Organic Frameworks with Three-Dimensionally Extended Sulfur Secondary Building Units
39489	Tomohiro Sugahara	141 (2019) 2263-2267	2018B1668	BL02B1	菅原 知絵	Reversible Isomerizations between 1,4-Digermabenzens and 1,4-Digermano-Dewar-benzenes: Air-Stable Activators for Small Molecules
39570	Yumi Yakiyama	141 (2019) 18099-18103	2016B1479	BL02B1	焼山 佑美	Formation of a Large Confined Spherical Space with a Small Aperture Using Flexible Hexasubstituted Sumanene
			2018A1510	BL02B1	焼山 佑美	
			2018A1405	BL40XU	箕浦 真生	
39602	Marvin K. Sarango-Ramirez	142 (2020) 6861-6865	2018B1138	BL02B2	大坪 主弥	Superprotic Conductivity in Metal–Organic Framework via Solvent-Free Coordinative Urea Insertion

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	実験責任者	タイトル
39414	Junya Ohyama	3 (2020) 1854-1859	2018B1547	BL01B1	大山 順也	Removal of Surface Poisoning Improves Hydrogen Oxidation Performance of Pt Catalysts under Basic Conditions
39425	Ken-ichi Saitow	1 (2018) 6881-6889	2016B1575	BL19B2	齋藤 健一	Ultrapure Films of Polythiophene Derivatives are Born on a Substrate by Liquid Flow
			2015B1630	BL19B2	齋藤 健一	
			2014B1629	BL19B2	齋藤 健一	
			2013B1588	BL19B2	齋藤 健一	
39455	Eun Jeong Kim	3 (2020) 184-191	2019B1604	BL27SU	Duda Laurent	Oxygen Redox Activity through a Reductive Coupling Mechanism in the P3-Type Nickel-Doped Sodium Manganese Oxide
			2019A1459	BL27SU	Duda Laurent	

Analytical Sciences

39390	Jens Rüdiger Stellhorn	36 (2020) 5-16	2014A1624	BL13XU	Stellhorn Jens	Local- and Intermediate-Range Structures on Ordinary and Exotic Phase-Change Materials by Anomalous X-ray Scattering
			2014B1733	BL13XU	Stellhorn Jens	
39419	Kehsuan Wang	36 (2020) 27-34	2019A1386	BL01B1	吉田 真明	Iron Oxyhydroxide Hierarchical Micro/Nanostructured Film as Catalyst for Electrochemical Oxygen Evolution Reaction
			2017B1082	BL01B1	吉田 真明	
39420	Kanta Yamada	36 (2020) 35-40	2019A1386	BL01B1	吉田 真明	Improvement in Cobalt Phosphate Electrocatalyst Activity toward Oxygen Evolution from Water by Glycine Molecule Addition and Functional Details
			2017B1082	BL01B1	吉田 真明	

Dalton Transactions

39417	Christian A. Juillerat	49 (2020) 1997-2003	2019A4501	BL15XU	辻本 吉廣	Fluorination and Reduction of CaCrO ₃ by Topochemical Methods
39422	Satoshi Abe	48 (2019) 9759-9764	2016B2718	BL26B1	安部 聰	Coordination Design of Cadmium Ions at the 4-fold Axis Channel of the Apo-Ferritin Cage
			2018A2525	BL41XU	安部 聰	
39611	Sasikarn Hanprasit	49 (2020) 3503-3509	2018A1502	BL02B1	小島 達弘	Homoleptic versus Heteroleptic Trinuclear Systems with Mixed L-cysteinate and D-penicillamine Regulated by a Diphosphine Linker
			2018B1296	BL02B2	吉成 信人	
			2019A1279	BL02B2	吉成 信人	
			2019B1107	BL02B2	吉成 信人	

Materials Science Forum

39552	Naohiro Sugiyama	924 (2018) 160	2017A3321	BL08B2	鎌田 功穂	Immobilization Phenomenon of Partials Surrounding Double Shockley Stacking Faults in Heavily Nitrogen Doped 4H-SiC Crystal with Thermal Anneal
			2016B3321	BL08B2	鎌田 功穂	
			2017B3321	BL08B2	鎌田 功穂	
39553	Isaho Kamata	924 (2018) 180	2016B3321	BL08B2	鎌田 功穂	X-Ray Topography Analysis of 4H-SiC Crystals Grown by the High-Temperature Gas Source Method
			2017A3321	BL08B2	鎌田 功穂	
			2017B3321	BL08B2	鎌田 功穂	
			2018A3321	BL08B2	鎌田 功穂	
39556	Isaho Kamata	858 (2016) 61	2015B3321	BL08B2	鎌田 功穂	Doping Fluctuation and Defect Formation in Fast 4H-SiC Crystal Growth Using a High-Temperature Gas Source Method
			2015A3321	BL08B2	鎌田 功穂	
			2014B3321	BL08B2	鎌田 功穂	
			2014A3321	BL08B2	土田 秀一	

Acta Crystallographica Section D-1

39460	Masato Yoshimura	76 (2020) 147-154	2015A6600	BL44XU	Chen Chun Jung	Noncrystallographic Symmetry-Constrained Map Obtained by Direct Density Optimization
			2015A4000	BL12B2	Chen Chun Jung	
			2015B6600	BL44XU	Chen Chun Jung	
			2015B4004	BL12B2	Chen Chun Jung	
			2015B4010	BL12B2	Chen Chun Jung	
			2016A6600	BL44XU	Chen Chun Jung	
			2016A6659	BL44XU	Chen Chun Jung	
			2016A4012	BL12B2	Chen Chun Jung	
			2016B4000	BL12B2	Chen Chun Jung	
			2017A4000	BL12B2	Chen Chun Jung	
			2017A6600	BL44XU	Chen Chun Jung	
			2017B6600	BL44XU	Chen Chun Jung	
			2018A6600	BL44XU	Chen Chun Jung	
			2018A6864	BL44XU	Chen Chun Jung	
			2018B6600	BL44XU	Chen Chun Jung	
			2018B6864	BL44XU	Chen Chun Jung	

Acta Crystallographica Section D-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
39476	Hironori Murakami	76 (2020) 155-165	2017A1871	BL41XU	水野 伸宏	Development of SPACE-II for Rapid Sample Exchange at SPring-8 Macromolecular Crystallography Beamlines
			2017A2522	BL41XU	長谷川 和也	
			2017B1012	BL41XU	山本 雅貴	
			2017B1990	BL41XU	水野 伸宏	
			2018A1003	BL41XU	山本 雅貴	
			2018A2075	BL41XU	水野 伸宏	
			2018A2554	BL41XU	長谷川 和也	
			2018B1011	BL41XU	山本 雅貴	
			2018B2089	BL41XU	長谷川 和也	
			2018B2090	BL41XU	水野 伸宏	
			2019A1005	BL41XU	山本 雅貴	
			2019A2055	BL41XU	長谷川 和也	
			2019A2072	BL41XU	水野 伸宏	

Acta Crystallographica Section F

39548	Kazuya Nishio	76 (2020) 109-115	2018A6849	BL44XU	水島 恒裕	Structural and Biochemical Characterization of Mitochondrial Citrate Synthase 4 from <i>Arabidopsis thaliana</i>
			2018B6849	BL44XU	水島 恒裕	
			2019A6949	BL44XU	水島 恒裕	
39584	Kosuke Oshima	74 (2018) 57-64	2016A2549	BL26B1	中島 崇	Crystal Structures of the Archaeal RNase P Protein Rpp38 in Complex with RNA Fragments Containing a K-turn Motif

Applied Surface Science

39456	Yuji Sato	480 (2019) 861-867	2016B3721	BL22XU	菖蒲 敬久	In situ X-ray Observations of Pure-Copper Layer Formation with Blue Direct Diode Lasers
			2017A3721	BL22XU	菖蒲 敬久	
39463	Yugo Kubo	513 (2020) 145708	2016B1845	BL46XU	久保 優吾	Process-Dependent Effects of Water on the Chemistry of Aluminum Oxide and Aromatic Polyimide Interface in Composite Materials
			2016B5030	BL16XU	久保 優吾	

Bulletin of the Chemical Society of Japan

39409	Fumiaki Suzuki	93 (2020) 249-251	2019B1774	BL02B1	鈴木 文陽	Synthesis, Structure, and Reactivity of a Thermally Stable Dialkylgermylene
			2019B1578	BL02B1	行本 万里子	
			2019A1677	BL02B1	鈴木 文陽	
			2019A1057	BL02B1	笹森 貴裕	
			2018B1275	BL40XU	箕浦 真生	
			2018B1084	BL40XU	笹森 貴裕	
			2018A1405	BL40XU	箕浦 真生	
			2018A1167	BL40XU	笹森 貴裕	
			2017B1726	BL40XU	行本 万里子	
			2017B1709	BL02B1	鈴木 文陽	
			2017A1668	BL40XU	行本 万里子	
			2017A1647	BL40XU	鈴木 裕子	
			2016A1021	BL37XU	今井 英人	Observation of Subsurface Structure of Pt/C Catalyst Using Pair Distribution Function and Simple Modeling Techniques
			2016A1022	BL04B2	今井 英人	
			2016A1024	BL01B1	今井 英人	
			2016B1010	BL04B2	今井 英人	
			2016B1835	BL19B2	内本 喜晴	
			2017A1017	BL04B2	今井 英人	
			2017B1041	BL08W	今井 英人	
			2018A1018	BL04B2	今井 英人	
			2018B1027	BL04B2	内本 喜晴	

Chemical Communications

39341	Takuo Wakisaka	56 (2020) 372-374	2017B1257	BL02B2	北川 宏	Discovery of Face-Centred Cubic Os Nanoparticles
			2018A1215	BL02B2	北川 宏	
			2019A4907	BL15XU	草田 康平	
39479	Kazuhiko Mukai	56 (2020) 1701-1704	2019A7037	BL33XU	宇山 健	<i>In situ</i> X-ray Raman Spectroscopy and Magnetic Susceptibility Study on the Li ₂ [Li _{0.15} Mn _{1.85}]O ₄ Oxygen Anion Redox Reaction

Chemical 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
39450	Feilong Xing	10 (2019) 8292-8298	2018A1757	BL14B2	鳥屋尾 隆	A Cu-Pd Single-Atom Alloy Catalyst for Highly Efficient NO Reduction
39560	Tomokazu Umeyama	11 (2020) 3250-3257	2019A1824	BL46XU	石田 圭一	Efficient Light-Harvesting, Energy Migration, and Charge Transfer by Nanographene-Based Nonfullerene Small-Molecule Acceptors Exhibiting Unusually Long Excited-State Lifetime in the Film State

Chemistry - A European Journal

39306	Dirk Schlüter	26 (2020) 1335-1343	2017A1233	BL02B1	Grabowsky Simon	Non-Oxido-Vanadium(IV) Metalloradical Complexes with Bidentate 1,2-Dithienylethene Ligands: Observation of Reversible Cyclization of the Ligand Scaffold in Solution
39534	Kento Imanishi	26 (2020) 1827-1833	2017A1037	BL02B1	今野 巧	A 116-Nuclear Metallosupramolecular Cage-of-Cage Showing Multistep Single-Crystal-to-Single-Crystal Transformation
			2018A1502	BL02B1	小島 達弘	
			2018B1296	BL02B2	吉成 信人	

Communications Chemistry

39454	Charifa Hakim	3 (2020) 9	2019A1459	BL27SU	Duda Laurent	Understanding the Redox Process upon Electrochemical Cycling of the P2-Na _{0.78} Co _{1.2} Mn _{1.9} Ni _{1.6} O ₂ Electrode Material for Sodium-Ion Batteries
39604	Izumi Iwakura	3 (2020) 35	2014B1284	BL41XU	岩倉 いずみ	Formation of Thioglucoside Single Crystals by Coherent Molecular Vibrational Excitation using a 10-fs Laser Pulse
			2015A1342	BL41XU	岩倉 いずみ	
			2017A1139	BL41XU	岩倉 いずみ	

The FEBS Journal

39445	Yasuyuki Matoba	(2019) Online published 3 Dec. 2019	2014B1081	BL38B1	的場 康幸	Cyclization Mechanism Catalyzed by an ATP-grasp Enzyme Essential for d-cycloserine Biosynthesis
			2014A1077	BL38B1	的場 康幸	
39599	Ryosuke Nakamura	287 (2020) 1138-1154	2015B1027	BL26B2	藤城 貴史	Snapshots of PLP-substrate and PLP-product External Aldimines as Intermediates in Two Types of Cysteine Desulfurase Enzymes
			2015B1027	BL26B1	藤城 貴史	
			2015B1027	BL38B1	藤城 貴史	
			2016B2704	BL26B1	藤城 貴史	
			2017B2705	BL26B1	藤城 貴史	

ISIJ International

39439	Masanori Suzuki	60 (2020) Online publication Feb. 7, 2020	2017B1299	BL04B2	鈴木 賢紀	In-situ Phase Identification of Crystallized Compound from 2CaO-SiO ₂ -3CaO-P ₂ O ₅ Liquid
			2018B1140	BL08W	鈴木 賢紀	
			2019A1444	BL08W	鈴木 賢紀	
39484	Yusuke Kobayashi	60 (2020) 276-285	2017B1581	BL20B2	小林 祐介	In-situ Measurements of Solute Partition Coefficients between Solid and Liquid Phases in Fe-Cr-Ni-Mo-Cu Alloys during Solidification
			2018A1586	BL20B2	小林 祐介	

IUCrJ

39537	Andrii Ishchenko	6 (2019) 1106-1119	2015A8025	BL3	Coulton James	Toward G Protein-Coupled Receptor Structure-Based Drug Design using X-ray Lasers
39653	Alexander M. Wolff	7 (2020) 306-323	2017B8055	BL2	Thompson Michael	Comparing Serial X-ray Crystallography and Microcrystal Electron Diffraction (MicroED) as Methods for Routine Structure Determination from Small Macromolecular Crystals

Journal of Materials Chemistry A

39444	Xiao Zhao	8 (2020) 1368-1377	2019B7800	BL36XU	岩澤 康裕	Evidence for Interfacial Geometric Interactions at Metal-Support Interfaces and Their Influence on the Electroactivity and Stability of Pt Nanoparticles
			2019A7800	BL36XU	岩澤 康裕	
			2018B7800	BL36XU	岩澤 康裕	
			2018A7806	BL36XU	岩澤 康裕	
39603	Guoxiang Yang	8 (2020) 4437-4446	2018A1089	BL01B1	桑原 泰隆	PdAg Nanoparticles and Aminopolymer Confined within Mesoporous Hollow Carbon Spheres as an Efficient Catalyst for Hydrogenation of CO ₂ to Formate
			2019A1050	BL01B1	桑原 泰隆	

The Journal of Physical Chemistry C

39316	Kazushige Ueda	124 (2020) 854-860	2018B1573	BL14B2	植田 和茂	Site Dependence of Tb ³⁺ Luminescence in Double Perovskite-Type Alkaline Earth Lanthanum Tantalates
			2017B1576	BL14B2	植田 和茂	
39427	Toshiki Sakata	123 (2019) 20130-20135	2016B1575	BL19B2	齋藤 健一	Performance of Si/PEDOT:PSS Solar Cell Controlled by Dipole Moment of Additives
			2015B1630	BL19B2	齋藤 健一	

Journal of Synchrotron Radiation

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
39260	Yoshimitsu Fukuyama	27 (2020) 67-74	2016A1364	BL40XU	福山 祥光	X-ray Diffraction Measurement of a Single Nanometre-Sized Particle Levitated in Air by an Optical-Trap Sample Holder
			2017A1397	BL40XU	福山 祥光	
			2017B1480	BL40XU	福山 祥光	
			2018B1316	BL40XU	福山 祥光	
			2014B1373	BL40XU	福山 祥光	
			2015B1381	BL40XU	福山 祥光	
39416	Kaye Susannah Morgan	27 (2020) 164-175	2014A1376	BL20XU	Donnelley Martin	Methods for Dynamic Synchrotron X-ray Respiratory Imaging in Live Animals
			2014A1404	BL20XU	Morgan Kaye	
			2014B1217	BL20XU	Donnelley Martin	
			2014B1414	BL20XU	Morgan Kaye	
			2015A1325	BL20XU	Donnelley Martin	
			2015B1109	BL20XU	Donnelley Martin	
			2015B1515	BL20XU	Morgan Kaye	
			2016A1472	BL20XU	Donnelley Martin	
			2016A1374	BL20XU	Morgan Kaye	
			2016B1345	BL20XU	Donnelley Martin	
			2016B1502	BL20XU	Morgan Kaye	
			2017A1301	BL20XU	Donnelley Martin	
			2017B1386	BL20XU	Donnelley Martin	
			2018A1511	BL20XU	Donnelley Martin	

Journal of the Ceramic Society of Japan

39557	Hirokazu Masai	127 (2019) 924-930	2018A1557	BL14B2	正井 博和	X-ray Absorption Near-Edge Structure of Ag Cations in Phosphate Glasses for Radiophotoluminescence Applications
39676	Kohei Makisumi	125 (2017) 463-467	2016B1426	BL02B1	北中 佑樹	Enhanced Polarization Properties of Ferroelectric $(\text{Bi}_{1.2}\text{Na}_{1.2})\text{TiO}_3\text{-Ba}(\text{Mg}_{1.3}\text{Nb}_{2.6})\text{O}_3$ Single Crystals Grown under High-Pressure Oxygen Atmosphere

Journal of the Electrochemical Society

39526	Naoya Aoki	167 (2020) 044513	2015B1849	BL14B2	今井 英人	Electrochemical Properties and Single Cell Performance of Pd Core-Pt Shell Structured Catalyst Synthesized by a Simple Direct Displacement Reaction
			2015B1850	BL14B2	今井 英人	
			2016B7906	BL36XU	大門 英夫	
			2017A7906	BL36XU	大門 英夫	
			2017B7906	BL36XU	大門 英夫	
39618	Jun Maruyama	167 (2020) 060504	2017A1551	BL14B2	丸山 純	Bifunctional Oxygen Electrodes with Highly Step-Enriched Surface of Fe-N _x Containing Carbonaceous Thin Film

Materials Transactions

39259	Koji Sasaki	61 (2020) 136-141	2017A5020	BL16XU	北原 周	Effect of Argon-Purged Cooling on Generating Residual Stress in Oxide Scale Formed on Si-Containing Steels Examined by <i>In Situ</i> X-ray Diffraction and Finite Element Analysis
			2017B5020	BL16XU	北原 周	
39388	Shan Lin	61 (2020) 300-304	2016A1168	BL40XU	奥田 浩司	Microstructure Analysis of Graded Interface Layers in a Model Multilayer Al/Al-Zn/Al Sample by Scanning Microbeam Small-Angle X-ray Scattering Measurements
			2016B1275	BL40XU	奥田 浩司	
			2016B1282	BL45XU	奥田 浩司	
			2017B1570	BL40XU	奥田 浩司	
			2017B1611	BL40XU	松本 克史	

Nano Letters

39305	Linxing Zhang	20 (2020) 881-886	2018B1492	BL25SU	Xing Xianran	Controllable Ferromagnetism in Super-Tetragonal PbTiO ₃ through Strain Engineering
39586	Naoto Shirahata	20 (2020) 1491-1498	2014B4504	BL15XU	白幡 直人	Emerging Atomic Energy Levels in Zero-Dimensional Silicon Quantum Dots

Nanoscale

39493	Kohsuke Mori	12 (2020) 1779-1789	2017B1084	BL01B1	森 浩亮	CoO _x -decorated CeO ₂ Heterostructures: Effects of Morphology on Their Catalytic Properties in Diesel Soot Combustion
			2018A1144	BL01B1	森 浩亮	
39598	Lan Anh Nguyen	11 (2019) 5868-5873	2017B1059	BL10XU	Wang Lin	Pressure-induced Fluorescence Enhancement of FA _a PbBr _{2+a} Composite Perovskites

Nature Chemical 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
39499	Masaki Okumura	15 (2019) 499-509	2016A1214	BL45XU	稻葉 謙次	Dynamic Assembly of Protein Disulfide Isomerase in Catalysis of Oxidative Folding
			2016B1170	BL45XU	稻葉 謙次	
			2014A1345	BL45XU	稻葉 謙次	
39509	Fei He	15 (2019) 1206-1213	2016B2730	BL41XU	阿部 郁朗	Molecular Basis for the P450-Catalyzed C-N Bond Formation in Indolactam Biosynthesis

Physical Review Letters

39404	Hannah C. Robarts	124 (2020) 046402	2016A1323	BL08W	Dugdale Stephen	Extreme Fermi Surface Smearing in a Maximally Disordered Concentrated Solid Solution
39660	Daniel Gabriel Mazzone	124 (2020) 125701	2014B4270	BL12XU	Jarrige Ignace	Kondo-Induced Giant Isotropic Negative Thermal Expansion

Proceedings of SPIE

39412	Keiji Umetani	10816 (2018) 108160A	2016B1906	BL20B2	梅谷 啓二	High-Resolution Wide-Field Synchrotron Radiation Micro-CT for Large Human Lung Specimen Imaging
			2016B1907	BL28B2	梅谷 啓二	
			2017A1355	BL20B2	梅谷 啓二	
			2017A1359	BL28B2	梅谷 啓二	
39524	Kurumi Saitou	11317 (2020) 113170H	2019B1749	BL20B2	斎藤 くるみ	3D Microstructure Analysis of Human Pulmonary Emphysema using a Synchrotron Radiation CT
			2019B1164	BL20B2	仁木 登	
			2019A1674	BL20B2	斎藤 くるみ	
			2019A1272	BL20B2	仁木 登	
			2018B1662	BL20B2	斎藤 くるみ	
			2018B1005	BL20B2	仁木 登	
			2018A1002	BL20B2	仁木 登	

Quantum Beam Science

39466	Yasuaki Takeda	4 (2020) 10	2013B3810	BL23SU	横谷 明徳	Hydration of Nucleobase as Probed by Electron Emission of Uridine-5'-Mono-Phosphate (UMP) in Aqueous Solution Induced by Nitrogen K-Shell Ionization
			2014A3810	BL23SU	横谷 明徳	
			2014B3810	BL23SU	横谷 明徳	
			2015A3810	BL23SU	横谷 明徳	
			2015B3810	BL23SU	横谷 明徳	
39511	Atsushi Momose	4 (2020) 9	2016B1147	BL20XU	高野 秀和	Recent Progress in X-ray and Neutron Phase Imaging with Gratings
			2017A1041	BL28B2	百生 敦	
			2017A1288	BL37XU	高野 秀和	
			2017B1361	BL37XU	高野 秀和	
			2017B1445	BL28B2	Vegso Karol	

Review of Scientific Instruments

39585	Masayuki Uesugi	91 (2020) 035107	2014B1359	BL20B2	上根 真之	Development of a Sample Holder for Synchrotron Radiation-based Computed Tomography and Diffraction Analysis of Extraterrestrial Materials
			2014A1387	BL20XU	上根 真之	
			2014A1498	BL47XU	上根 真之	
			2014B1418	BL20XU	上根 真之	
			2014B1535	BL47XU	上根 真之	
			2015A1445	BL20XU	上根 真之	
			2015B1460	BL20XU	上根 真之	
			2016A1208	BL20XU	上根 真之	
			2016B1361	BL20XU	上根 真之	
			2017A1254	BL20XU	上根 真之	
			2017B1227	BL20XU	上根 真之	
			2017B1234	BL47XU	上根 真之	
			2018A1216	BL47XU	上根 真之	
			2018A1219	BL20XU	上根 真之	
			2018B1271	BL20XU	上根 真之	
			2018A1218	BL20XU	上根 真之	
39670	Koji Kimura	91 (2020) 033907	2019A1165	BL20XU	上根 真之	Development of a Half-Cell for X-ray Structural Analysis of Liquid Electrolytes in Rechargeable Batteries
			2016A7602	BL28XU	小久見 善八	
			2016B7611	BL28XU	松原 英一郎	
			2019A7616	BL28XU	安部 武志	

ACS Applied Bio 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
39539	Kotaro Koiwai	2 (2019) 4941-4952	2015B8048	BL3	湯本 史明	Improvement of Production and Isolation of Human Neuraminidase-1 in Cellulo Crystals

ACS Applied Electronic Materials

39323	Kei Shigematsu	1 (2019) 2514-2521	2017B1721	BL47XU	西久保 匠	Strain Manipulation of Magnetic Anisotropy in Room-Temperature Ferrimagnetic Quadruple Perovskite CeCu ₃ Mn ₄ O ₁₂
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ACS Macro Letters

39481	Yuta Miyamori	9 (2020) 32-37	2019B1135	BL40XU	松下 裕秀	Periodic and Aperiodic Tiling Patterns from a Tetralblock Terpolymer System of the A ₁ BA ₂ C Type
			2019A1392	BL40B2	高野 敦志	
			2018B1546	BL40XU	高野 敦志	

ACS Omega

39473	Dinesh Bhalothia	4 (2019) 971-982	2018A4135	BL12B2	Chen Tsan Yao	H ₂ Reduction Annealing Induced Phase Transition and Improvements on Redox Durability of Pt Cluster-Decorated Cu@Pd Electrocatalysts in Oxygen Reduction Reaction
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Acta Physica Polonica B

39503	Norihito Muramatsu	51 (2020) 231-238	2017B6101	BL31LEP	村松 憲仁	Recent Progress and Prospects of the LEPS2/BGOegg Experiment at SPring-8
			2017A6101	BL31LEP	村松 憲仁	
			2016B6101	BL31LEP	村松 憲仁	
			2016A6101	BL31LEP	村松 憲仁	
			2015B6101	BL31LEP	村松 憲仁	
			2015A6101	BL31LEP	村松 憲仁	

Advanced Functional Materials

39477	Qian Liu	30 (2020) 1907452	2019A1004	BL40B2	松本 英俊	Tuning the Charge Carrier Polarity of Organic Transistors by Varying the Electron Affinity of the Flanked Units in Diketopyrrolopyrrole-Based Copolymers
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AIP Advances

39261	Shintaro Kobayashi	9 (2019) 125154	2018A1009	BL02B2	廣澤 哲	Influence of Magnetostriction on the Lattice Constants of the Secondary Phases in Nd-Fe-B Sintered Magnets Studied by Synchrotron X-ray Diffraction
			2018B1016	BL02B2	廣澤 哲	
			2018B1333	BL02B2	豊木 研太郎	
			2019A1007	BL02B2	廣澤 哲	

American Mineralogist

39512	Itaru Ohira	104 (2019) 1273-1284	2017A1251	BL10XU	鎌田 誠司	Compressional Behavior and Spin State of δ-(Al,Fe)OOH at High Pressures
			2017A1650	BL10XU	大平 格	
			2017A1673	BL10XU	前田 郁也	
			2013B0104	BL10XU	大谷 栄治	
			2017B1514	BL10XU	大谷 栄治	

Angewandte Chemie International Edition

39588	Yuya Domoto	59 (2019) 3450-3454	2018A0154	BL38B1	藤田 誠	Self-Assembly of Coordination Polyhedra with Highly Entangled Faces Induced by Metal-Acetylene Interactions
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Applied Sciences

39513	Claudiu Andrei Stan	10 (2020) 1497	2016B8016	BL3	Stan Claudiu	The Magnitude and Waveform of Shock Waves Induced by X-ray Lasers in Water
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Biochimica et Biophysica Acta - General Subjects

39472	Michihiro Suga	1864 (2020) 129466	2017A6724	BL44XU	菅 倫寛	Time-resolved Studies of Metalloproteins using X-ray Free Electron Laser Radiation at SACLA
			2017B8015	BL2	菅 倫寛	
			2017B6724	BL44XU	菅 倫寛	
			2018A8010	BL2	菅 倫寛	
			2018B6822	BL44XU	菅 倫寛	

Biomacromolecules

研究成果番号	主著者	雑誌情報	課題番号	ピームライン	実験責任者	タイトル
39257	Yuma Morimitsu	21 (2020) 464-471	2016A1113	BL40B2	松野 寿生	Mechanical Stabilization of Deoxyribonucleic Acid Solid Films Based on Hydrated Ionic Liquid
			2017A1522	BL40B2	松野 寿生	
			2017B1090	BL40B2	松野 寿生	

The Canadian Mineralogist

39474	Norikatsu Akizawa	58 (2020) 99-114	2016A1048	BL20XU	小木曾 哲	Formation Process of Sub-Micrometer-Sized Metasomatic Platinum-Group Element-Bearing Sulfides in a Tahitian Harzburgite Xenolith
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Catalysis Science & Technology

39448	Takashi Toyao	9 (2019) 5413-5424	2018B1126	BL01B1	鳥屋尾 隆	Mechanistic Study of the Selective Hydrogenation of Carboxylic Acid Derivatives over Supported Rhenium Catalysts
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Catalysis Today

39451	Shunsaku Yasumura	(2019) Online published 8 Nov. 2019	2018B1768	BL14B2	鳥屋尾 隆	A CHA Zeolite Supported Ga-oxo Cluster for Partial Oxidation of CH ₄ at Room Temperature
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Cell Research

39315	Yang Lu	30 (2020) 88-90	2019B2712	BL41XU	He Yuanzheng	Crystal Structure of Heliorhodopsin 48C12
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Chem

39475	Yuuki Inomata	6 (2020) 294-303	2018A0154	BL38B1	藤田 誠	Metal-Peptide Torus Knots from Flexible Short Peptides
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ChemCatChem

39658	Chandan Chaudhari	(2020) Online published 26 Jan. 2020	2017B1349	BL01B1	佐藤 勝俊	Pr ₂ O ₃ Supported Nano-layered Ruthenium Catalyzed Acceptorless Dehydrogenative Synthesis of 2-Substituted Quinolines and 1,8-Naphthyridines from 2-Aminoaryl Alcohols and Ketones
			2016A1358	BL01B1	永岡 勝俊	

Chemistry - An Asian Journal

39384	Taisuke Matsuno	15 (2020) 273-278	2018B1392	BL38B1	佐藤 宗太	Regulated Single-Axis Rotations of a Carbonaceous Guest in a van der Waals Complex with an Entropy Cost
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Chemistry Letters

39613	Hirotomo Nishihara	(2020) Online Publication Mar. 19, 2020	2016B1874	BL19B2	丸山 純	Synthesis of Ordered Carbonaceous Framework with Microporosity from Porphyrin with Ethynyl Groups
			2019A1617	BL14B2	丸山 純	

ChemSusChem

39401	Hiroyumi Yoshikawa	(2020) Online published 29 Jan. 2020	2019B1313	BL01B1	吉川 浩史	Porous Metal-Organic Frameworks Containing Reversible Disulfide Linkages as Cathode Materials for Lithium-Ion Batteries
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Communications Materials

39538	Masato Matsubara	1 (2020) 5	2017A7030	BL33XU	田島 伸	Identifying Superionic Conductors by Materials Informatics and High-Throughput Synthesis
			2017B7030	BL33XU	田島 伸	
			2018A7030	BL33XU	田島 伸	
			2018B7030	BL33XU	田島 伸	

Condensed Matter

39666	Katariina Pussi	5 (2020) 19	2016B1247	BL04B2	Kamali- Moghaddam Saeed	Structure of Manganese Oxide Nanoparticles Extracted via Pair Distribution Functions
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Condensed Matter 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
39389	Shinya Hosokawa	22 (2019) 43602	2009A1054	BL35XU	細川 伸也	Detection of Collective Optic Excitations in Molten NaI

Earth and Planetary Science Letters

39371	Samuel Thompson	534 (2020) 116080	2017B1338	BL10XU	駒林 鉄也	Compression Experiments to 126 GPa and 2500 K and Thermal Equation of State of Fe ₃ S: Implications for Sulphur in the Earth's Core
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Ecotoxicology and Environmental Safety

39459	Tuanhui Xie	173 (2019) 266-272	2017A4137	BL12B2	Liu Yu-Ting	Effects and Mechanisms on the Reduction of Lead Accumulation in Rice Grains through Lime Amendment
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ECS Journal of Solid State Science and Technology

39582	Tappei Nishihara	8 (2019) Q101	2017A1782	BL46XU	小島 拓人	Evaluation of Sn-Doped Indium Oxide Film and Interface Properties on a-Si Formed by Reactive Plasma Deposition
			2017B1909	BL46XU	神岡 武文	
			2016A1746	BL46XU	小椋 厚志	
			2014B1938	BL46XU	小椋 厚志	
			2014B1892	BL46XU	小椋 厚志	
			2018B1803	BL46XU	神岡 武文	

Electrochemistry

39583	Teruhisa Baba	88 (2020) 63-68	2015B5090	BL16XU	今井 英人	A Spatially-Resolved <i>operando</i> High-Energy Confocal X-ray Diffraction Method for Observing Non-Uniform Degradation Phenomena in a Practical Cylindrical Lithium-ion Battery
			2016A5092	BL16XU	今井 英人	
			2016A5093	BL16XU	高橋 伊久磨	
			2016B5090	BL16XU	今井 英人	
			2017A5090	BL16XU	今井 英人	
			2017A5091	BL16XU	今井 英人	
			2017B5090	BL16XU	今井 英人	
			2017B5091	BL16XU	今井 英人	
			2018A5090	BL16XU	今井 英人	
			2018B5092	BL16XU	今井 英人	
			2018A5091	BL16XU	今井 英人	
			2018B5091	BL16XU	今井 英人	

Electrochemistry Communications

39303	Satoru Katoh	111 (2020) 106644	2017A7032	BL33XU	長井 康貴	Ex-situ Visualization of the Wet Domain in the Microporous Layer in a Polymer Electrolyte Fuel Cell by X-ray Computed Tomography under Water Vapor Supply
			2017B7032	BL33XU	長井 康貴	
			2018A7032	BL33XU	長井 康貴	
			2018B7032	BL33XU	長井 康貴	
			2019A7032	BL33XU	山口 聰	

eLife

39672	Juan Estevez-Gallego	9 (2020) e50155	2016B1182	BL40XU	上村 慎治	Structural Model for Differential Cap Maturation at Growing Microtubule Ends
			2019B1365	BL05XU	上村 慎治	
			2019A1610	BL40XU	八木 俊樹	

Environmental Science & Technology

39268	Tomohiko Itabashi	53 (2019) 14186-14193	2017B1083	BL37XU	橋本 洋平	Speciation and Fractionation of Soil Arsenic from Natural and Anthropogenic Sources: Chemical Extraction, Scanning Electron Microscopy, and Micro-XRF/XAFS Investigation
			2018A1113	BL05XU	橋本 洋平	
			2018B1191	BL37XU	橋本 洋平	
			2019A1621	BL14B2	橋本 洋平	

The FASEB Journal

39469	DongWon Park	34 (2020) 3051-3068	2018A6866	BL44XU	Lee Bong Jin	Crystal Structure of Proteolyzed VapBC and DNA-bound VapBC from <i>Salmonella enterica</i> Typhimurium LT2 and VapC as a Putative Ca ²⁺ -dependent Ribonuclease
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Fatigue and Fracture of Engineering Materials and Structures

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
39652	Fumiyoji Yoshinaka	42 (2019) 2093-2105	2014A1020	BL20XU	中村 孝	Initiation and Growth Behaviour of Small Internal Fatigue Cracks in Ti-6Al-4V via Synchrotron Radiation Microcomputed Tomography
			2014A1459	BL20XU	中村 孝	

FEBS Open Bio

39470	Sung-Min Kang	9 (2019) 1713-1725	2018B6866	BL44XU	Lee Bong Jin	The Crystal Structure of AcrR from <i>Mycobacterium tuberculosis</i> Reveals a One-component Transcriptional Regulation Mechanism
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High Pressure Research

39562	Takeshi Sakai	40 (2020) 12-21	2017B1563	BL10XU	境 毅	Conical Support for Double-Stage Diamond Anvil Apparatus
			2016B1540	BL10XU	境 毅	
			2017B1986	BL10XU	平尾 直久	
			2018B1380	BL10XU	境 毅	

Hyperfine Interactions

39367	Yoshitaka Yoda	240 (2019) 72	2011B2107	BL09XU	依田 芳卓	X-ray Beam Properties Available at the Nuclear Resonant Scattering Beamline at SPring-8
			2013A1898	BL09XU	依田 芳卓	
			2016B1971	BL09XU	依田 芳卓	
			2017B1985	BL09XU	依田 芳卓	

International Journal of Heat and Mass Transfer

39510	Wataru Yoshimune	152 (2020) 119537	2017A7032	BL33XU	長井 康貴	Multi-Scale Pore Morphologies of a Compressed Gas Diffusion Layer for Polymer Electrolyte Fuel Cells
			2017B7032	BL33XU	長井 康貴	
			2018A7032	BL33XU	長井 康貴	
			2018B7032	BL33XU	長井 康貴	
			2019A7032	BL33XU	山口 聰	

International Journal of Molecular Sciences

39535	Shouhei Mine	20 (2019) 2460	2017A6755	BL44XU	峯 昇平	Structural Insights into the Molecular Evolution of the Archaeal Exo- β -D-Glucosaminidase
			2017B6755	BL44XU	峯 昇平	
			2016A6645	BL44XU	峯 昇平	
			2016B6645	BL44XU	峯 昇平	
			2017B6767	BL44XU	渡邊 真宏	
			2017A6767	BL44XU	渡邊 真宏	
			2016B6657	BL44XU	渡邊 真宏	
			2016A6657	BL44XU	渡邊 真宏	
			2015B6546	BL44XU	峯 昇平	
			2015B6559	BL44XU	渡邊 真宏	
			2015A6559	BL44XU	渡邊 真宏	
			2015A6546	BL44XU	峯 昇平	
			2014B6903	BL44XU	渡邊 真宏	
			2014B6953	BL44XU	峯 昇平	

Island Arc

39467	Motoko Igisu	28 (2019) e12310	2018A1699	BL43IR	伊規須 素子	Fourier Transform Infrared Microspectroscopic Characterization of Neoproterozoic Organic Microfossils from the Fifteenmile Group in Yukon, Canada
			2016A1699	BL43IR	伊規須 素子	

Journal of Applied Crystallography

39497	Hiroki Ogawa	53 (2020) 140-147	2018A2025	BL03XU	小川 紘樹	Improving Grazing-Incidence Small-Angle X-ray Scattering-Computed Tomography Images by Total Variation Minimization
			2018B2057	BL03XU	加部 泰三	

Journal of Applied Physics

39478	Jinwang Li	127 (2020) 064504	2013B1766	BL43IR	李 金望	High-transconductance Indium Oxide Transistors with a Lanthanum-Zirconium Gate Oxide Characteristic of an Electrolyte
			2013A1677	BL13XU	李 金望	

The Journal of Biochemistry

研究成果番号	主著者	雑誌情報	課題番号	ピームライン	実験責任者	タイトル
39385	Asami Hishiki	(2020) Online published 21 Jan. 2020	2014B1322	BL41XU	橋本 博	Structure of HIRAN Domain of Human HLTF Bound to Duplex DNA Provides Structural Basis for DNA Unwinding to Initiate Replication Fork Regression

The Journal of Biological Chemistry

39518	Leehyeon Kim	295 (2020) 2590-2600	2019A6973	BL44XU	Song HyunKyu	Use of the LC3B-Fusion Technique for Biochemical and Structural Studies of Proteins Involved in the N-degron Pathway
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Journal of Cell Biology

39674	Tomohiro Shima	217 (2018) 4164-4183	理研 2014A1072	BL45XU BL45XU	上村 慎治	Kinesin-Binding-Triggered Conformation Switching of Microtubules Contributes to Polarized Transport
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The Journal of Chemical Physics

39330	Ya Wei Liu	152 (2020) 034304	2013A4260 2014B4251	BL12XU BL12XU	Zhu LinFan Zhu LinFan	An Investigation of the Anomalous Asymptotic Behavior of Elastic Electron Scattering of Helium
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Journal of Electron Spectroscopy and Related Phenomena

39405	Hiroshi Shinotsuka	239 (2020) 146903	2012B4604	BL15XU	吉川 英樹	Automated Information Compression of XPS Spectrum using Information Criteria
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Journal of Environmental Quality

39270	Masato Ueshima	48 (2019) 1907-1912	2017B1083	BL37XU	橋本 洋平	Chemical Stability of Framboidal Pyrite Containing Geogenic Arsenic in Alluvial Sediments
			2018A1113	BL05XU	橋本 洋平	
			2018B1191	BL37XU	橋本 洋平	

Journal of Hazardous Materials

39398	Mengmei Zhang	388 (2020) 122064	2018A1346	BL01B1	藤森 崇	Thermochemical Formation of Dioxins Promoted by Chromium Chloride: In situ Cr- and Cl-XAFS Analysis
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Journal of Molecular Liquids

39619	Tatsuya Tsurumura	305 (2020) 112867	2019B1743	BL04B2	鶴村 達也	Structural Study on Ti-ion Complexes in Concentrated Aqueous Electrolytes: Raman Spectroscopy and High-Energy X-ray Total Scattering
			2018B1658	BL04B2	鶴村 達也	
			2018B1729	BL19B2	鶴村 達也	

The Journal of Organic Chemistry

39258	Koki Ikemoto	85 (2020) 150-157	2017B1301	BL38B1	佐藤 宗太	Fluorescence Enhancement of Aromatic Macrocycles by Lowering Excited Singlet State Energies
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Journal of Power Sources

39549	Yasushi Idemoto	455 (2020) 227962	2016B1859	BL19B2	井手本 康	Synthesis, Electrochemical Properties, and Changes in Crystal and Electronic Structures during Charge/Discharge Process of Spinel-Type Cathode Materials $Mg_4V_{5-x}Ni_xO_{12}$ ($x = 0, 0.3, 0.6, 1.0$) for Magnesium Secondary Batteries
			2017A1578	BL19B2	井手本 康	
			2017B1807	BL19B2	井手本 康	
			2018A1555	BL19B2	井手本 康	
			2016A1510	BL14B2	井手本 康	
			2016B1852	BL14B2	井手本 康	
			2017B1590	BL14B2	井手本 康	
			2018A1577	BL14B2	井手本 康	
			2018A1040	BL04B2	井手本 康	

Journal of Solid State Chemistry

39400	Daisuke Urushihara	282 (2020) 121069	2016A1663	BL02B2	漆原 大典	Charge Ordering and Successive Phase Transitions of Mixed-Valence Iron Oxide $GdBaFe_2O_5$
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Journal of the American Ceramics Society

39496	Seiji Inaba	103 (2020) 3631-3641	2014B1141	BL04B2	稻葉 誠二	Anisotropic Structure of Alkali Metaphosphate Glasses
			2015A1281	BL04B2	稻葉 誠二	
			2015B1318	BL04B2	稻葉 誠二	

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
39520	Shinya Hosokawa	89 (2020) 034603	2015B1005	BL13XU	細川 伸也	Valence-Selective Local Atomic Structures on an YbInCu ₄
			2018A1214	BL39XU	細川 伸也	Valence Transition Material by X-Ray Fluorescence Holography

Journal of Vacuum Science & Technology B

39392	Junichi Nomoto	38 (2020) 022202	2019A1813	BL46XU	野本 淳一	Influence of Unintentionally Incorporated Ar Atoms on the Crystalline Polarity of Magnetron-Sputtered Al-Doped ZnO Polycrystalline Films on Glass and Sapphire Substrates
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Langmuir

39495	Yuxiao Zhang	36 (2020) 1174-1182	2018B1082 2018B1185	BL01B1 BL01B1	森 浩亮 桑原 泰隆	Construction of Hybrid MoS ₂ Phase Coupled with SiC Heterojunctions with Promoted Photocatalytic Activity for 4-Nitrophenol Degradation
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Lunar and Planetary Science Conference

39436	Iori Kajitani	51 (2020) 1703	2018A1348	BL27SU	臼井 寛裕	Sulfur Species in ALH 84001 Carbonates Constraining Conditions of Water on Ancient Mars
			2018B1559	BL27SU	臼井 寛裕	
			2019A1583	BL27SU	臼井 寛裕	

Materials & Design

39317	Mohd Ramli	186 (2020) 108281	2017B1519	BL20XU	Salleh Arif	The Effect of Bi on the Microstructure, Electrical, Wettability and Mechanical Properties of Sn-0.7Cu-0.05Ni Alloys for High Strength Soldering
			2016B1319	BL20B2	野北 和宏	

Materials Chemistry Frontiers

39626	Hirotaka Kojima	2 (2018) 1276-1283	2017B1745	BL19B2	阿部 竜	Universality of the Giant Seebeck Effect in Organic Small Molecules
			2016B1903	BL19B2	小金澤 智之	
			2016B1769	BL19B2	阿部 竜	
			2015B1778	BL19B2	阿部 竜	
			2015A1843	BL19B2	阿部 竜	

Materials Research Express

39600	Ritsuko Eguchi	7 (2020) 036001	2015B1206	BL13XU	江口 律子	Inhomogeneous Superconductivity in Thin Crystals of FeSe _{1-x} Te _x (x = 1.0, 0.95, and 0.9)
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Matter and Radiation at Extremes

39369	Naohisa Hirao	5 (2020) 018403	2009A2021	BL10XU	平尾 直久	New Developments in High-Pressure X-ray Diffraction Beamline for Diamond Anvil Cell at SPring-8
			2009B2131	BL10XU	平尾 直久	
			2010A1232	BL10XU	平尾 直久	
			2010A1966	BL10XU	平尾 直久	
			2014A1910	BL10XU	平尾 直久	
			2014A1911	BL10XU	大石 泰生	
			2014B2059	BL10XU	平尾 直久	
			2015A2066	BL10XU	平尾 直久	
			2015B2001	BL10XU	平尾 直久	
			2016A1853	BL10XU	平尾 直久	
			2016A1854	BL10XU	平尾 直久	
			2017A1870	BL10XU	平尾 直久	
			2017B1986	BL10XU	平尾 直久	
			2017B1987	BL10XU	平尾 直久	
			2018A2073	BL10XU	平尾 直久	
			2016A1846	BL10XU	河口 沙織	
			2016B1960	BL10XU	平尾 直久	

Methods in Enzymology

39542	Norimichi Nomura	629 (2019) 383-399	2017A2579 2018A2541	BL41XU BL41XU	野村 紀通 野村 紀通	Chapter Nineteen - Crystallographic Approaches to Study the Interaction Modes of PD-1 and CTLA-4-blocking Antibodies
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Microporous and Mesoporous Materials

39558	Kazu Okumura	288 (2019) 109571	2018B1146 2019A1376	BL01B1 BL01B1	奥村 和 奥村 和	Direct Immobilization of Triphenylphosphine Palladium Complexes on the External Surface of Zeolite β
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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
39386	Satoru Urakawa	10 (2020) 84	2014B1480	BL04B2	井上 徹	X-ray and Neutron Study on the Structure of Hydrous SiO ₂ Glass up to 10 GPa

Molecular Mechanism of Congenital Heart Disease and Pulmonary Hypertension

39625	Tadakatsu Inagaki	(2020) 193-195	2014B1801	BL28B2	稻垣 薫克	Impaired Right Coronary Vasodilator Function in Pulmonary Hypertensive Rats Assessed by In Vivo Synchrotron Microangiography
			2015A1868	BL28B2	稻垣 薫克	
			2015B1797	BL28B2	稻垣 薫克	
			2016B1280	BL28B2	稻垣 薫克	

Nucleic Acids Research

39468	Do-Hee Kim	46 (2018) 6371-6386	2016B6662	BL44XU	Lee Bong Jin	Functional Insights into the <i>Streptococcus pneumoniae</i> HicBA Toxin–Antitoxin System Based on a Structural Study
			2017A6773	BL44XU	Lee Bong Jin	

PEPTIDE SCIENCE 2019

39631	Kazuyuki Suzuta	(2020) 171-172	2016B1625	BL27SU	鈴田 和之	Evaluation of Cysteic Acid in Bleached Hair using Soft X-ray Spectroscopy
			2016A1533	BL27SU	鈴田 和之	
			2015B1573	BL27SU	鈴田 和之	

Physical Chemistry Chemical Physics

39605	Yuji Kamiyama	22 (2020) 5561-5567	2019B1227	BL04B2	関 志朗	Lithium-ion Coordination-Induced Conformational Change of PEG Chains in Ionic-Liquid-Based Electrolytes
			2017B1547	BL04B2	藤井 健太	

Physical Review Materials

39596	Hiromasa Fujii	4 (2020) 033401	2016B0908	BL13XU	若林 裕助	Early Stages of Iron Anodic Oxidation: Defective Growth and Density Increase of Oxide Layer
			2018B0938	BL13XU	若林 裕助	
			2018A1135	BL13XU	若林 裕助	

Polymer Crystallization

39532	Takayuki Hirai	2 (2019) e10069	2016A7003	BL33XU	原田 雅史	High-Temperature Crystallization of Immiscible Polymer Blends Induced by the Shear Flow in Injection Molding
			2016B7003	BL33XU	原田 雅史	

Polymer Journal

39403	Shotaro Nishitsui	52 (2020) 279-287	2016A1441	BL40B2	西辻 祥太郎	X-ray Scattering Study on the Changes in the Morphology of Low-Modulus Polypropylene under Cyclic Uniaxial Elongation
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Procedia Structural Integrity

39540	Yoshikazu Nakai	23 (2019) 83-88	2017A1603	BL46XU	中井 善一	Observations of Twinning and Detwinning in Magnesium Alloy by Synchrotron Radiation DCT and EBSD
			2017A1604	BL46XU	塙澤 大輝	
			2016B1627	BL19B2	中井 善一	
			2015A1682	BL46XU	梶原 堅太郎	
			2014A1782	BL46XU	梶原 堅太郎	
			2018A1593	BL14B2	中井 善一	

Proceedings

39440	Yoshikazu Hirai	2 (2018) 972	2016B1058	BL28B2	清水 啓史	Microchannel Fabrication Using A Photo-Patternable Adhesive Material for Recording Conformational Changes of KcsA Channel with the Diffracted X-ray Tracking Method
			2017A1148	BL28B2	清水 啓史	
			2017B1153	BL28B2	清水 啓史	
			2018A1157	BL28B2	清水 啓史	

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

39505	Dmytro Soloviov	117 (2020) 4749-4757	2017A1294	BL35XU	Zhernenkov Mikhail	Functional Lipid Pairs as Building Blocks of Phase-Separated Membranes
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Proceedings of 2019 IEEE 46th Photovoltaic Specialists Conference (PVSC)

39594	Ryo Kozono	(2020) 1018-1020	2017B1311	BL47XU	重川 直輝	GaAs/Si Double-Junction Cells Fabricated by Sacrificial Layer Etching of Directly-Bonded III-V/Si Junctions
			2016A1219	BL47XU	重川 直輝	

RSC Advances

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
39378	Jaemyung Kim	10 (2020) 1878-1882	2017B1029	BL20B2	坂田 修身	Surface Morphology Smoothing of a 2 Inch-Diameter GaN Homoepitaxial Layer Observed by X-ray Diffraction Topography
			2018B1010	BL20B2	坂田 修身	

SAE International Journal of Materials and Manufacturing

39377	Hirokazu Noda	13 (2020) 27-43	2017B1819	BL19B2	野田 寛和	Analysis of Metal Pick-Up Formation Process within Automotive Brake Pad
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Science Advances

39568	Megumi Matsumoto	5 (2019) eaax5078	2016A1245	BL47XU	土山 明	Discovery of Fossil Asteroidal Ice in Primitive Meteorite Acfer 094
			2016A1253	BL47XU	土山 明	
			2016B1350	BL47XU	土山 明	
			2016B1351	BL47XU	土山 明	
			2017A1442	BL47XU	土山 明	
			2017A1496	BL47XU	土山 明	
			2017B1517	BL47XU	土山 明	

Soft Matter

39550	Tomoki Yasui	16 (2020) 2363-2370	2018A1659 2018B1690	BL45XU BL45XU	安井 知己 安井 知己	Energy Dissipation via the Internal Fracture of the Silica Particle Network in Inorganic/Organic Double Network Ion Gels
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Solid State Ionics

39413	Xue Liua	347 (2020) 115213	2017A5380 2018B5380	BL16B2 BL16B2	榎 篤史 榎 篤史	Local Structural Changes in Ce _{1-x} Ln _x O _{2-δ} (Ln = La, Gd) Solid Electrolytes
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Surface Science

39517	Hiroaki Hanafusa	696 (2020) 121592	2017A1762 2017B1825	BL46XU BL46XU	花房 宏明 花房 宏明	Band-Energy Estimation on Silicon Cap Annealed 4H-SiC Surface using Hard X-ray Photoelectron Spectroscopy
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Structural Dynamics

39529	Juan Sanchez	6 (2019) 054701	2019A8007 2018A8055	BL2 BL3	Schmidt Marius Westenhoff Sebastian	High-Resolution Crystal Structures of a Myxobacterial Phytochrome at Cryo and Room Temperatures
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X 線分析の進歩 (Advances in X-ray Chemical Analysis, Japan)

39669	Kentaro Fujii	51 (2020) 251-259	2016A3852	BL23SU	藤井 健太郎	Biological Effect by Altered ATP Induced with Ionizing Irradiations
			2017A3852	BL23SU	藤井 健太郎	
			2017B3852	BL23SU	藤井 健太郎	
			2018A3852	BL23SU	藤井 健太郎	

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

39458	Shigetaka Okano	68 (2019) 325-331	2012B3722	BL22XU	張 哲源	Accuracy Validation of Measurement of Transient Thermal Stress at Steel Welds by Synchrotron X-ray Diffraction Techniques
			2013A3721	BL22XU	菖蒲 敬久	
			2013A3722	BL22XU	菖蒲 敬久	
			2013A3723	BL22XU	張 哲源	
			2013B3722	BL22XU	張 哲源	

材料表面 (Accounts of Materials & Surface Research)

39461	Kaname Hashizaki	3 (2018) 190-198	2018A1200	BL40B2	橋崎 要	Possibility of Highly Viscoelastic Lecithin Reverse Wormlike Micelle as the Vehicle for Transdermal Therapeutic Application
			2016A1054	BL40B2	橋崎 要	

低温科学 (Low Temperature Science)

39651	Yusuke Tamenori	78 (2020) 91-100	2019A1328	BL27SU	為則 雄祐	Development of Soft X-ray Microscope to Elucidate the Evolution of Organic Molecules in Space
			2018B2085	BL27SU	為則 雄祐	
			2018A1119	BL27SU	為則 雄祐	
			2017B1140	BL27SU	為則 雄祐	
			2016B1133	BL27SU	為則 雄祐	
			2016A1835	BL27SU	為則 雄祐	
			2015B1984	BL27SU	為則 雄祐	
			2015A2039	BL27SU	為則 雄祐	
			2014B2055	BL27SU	為則 雄祐	

日本金属学会誌 (The Journal of the Japan Institute of Metals and 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
39428	Shota Yamamoto	83 (2019) 465-473	2016A1501	BL46XU	宮嶋 陽司	Dependences of Grain Size and Strain-Rate on Deformation Behavior of Commercial Purity Titanium Processed by Multi-Directional Forging
			2018B1574	BL46XU	渡邊 千尋	
			2016A1674	BL46XU	小ヶ倉 勇樹	

薬学雑誌 (Journal of the Pharmaceutical Society of Japan)

39521	Kaname Hashizaki	140 (2020) 435-441	2018A1200	BL40B2	橋崎 要	Preparation and Rheological Properties of Cross-linked Liposomes Using Hydroxypropylmethylcellulose Bearing a Hydrophobic Anchor
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博士論文 (東北大学)

39486	Shun Asano	(2020)	2016B1196	BL35XU	藤田 全基	Study of Annealing Effects on Electronic States in 214-type Cuprate Superconductors by Quantum Beam Spectroscopy
			2017A1381	BL35XU	藤田 全基	
			2016A1603	BL01B1	浅野 駿	
			2018B3657	BL14B1	石井 賢司	
			2019A7593	BL07LSU	石井 賢司	
			2019A1701	BL08W	浅野 駿	
39491	Motonobu Sato	(2020) 1-139	2014B1370	BL27SU	小川 修一	Study of Synthesis Processes of Nanocarbon Materials for LSI Interconnects
			2011B1909	BL47XU	室 隆桂之	
			2019A3836	BL23SU	小川 修一	
39501	Takuya Aoyagi	(2020)	2012B1761	BL04B2	青柳 拓也	Study on Structure Model and Thermal / Chemical Stability of Vanadate Glass
			2012B1720	BL14B2	青柳 拓也	
			2013A1801	BL14B2	青柳 拓也	
			2018B2083	BL14B2	青柳 拓也	
			2017A5400	BL16B2	米山 明男	
			2017B5400	BL16B2	米山 明男	
			2018A5400	BL16B2	米山 明男	
			2018B5400	BL16B2	米山 明男	
			2019A5400	BL16B2	米山 明男	
			2012B1761	BL04B2	青柳 拓也	

Doctoral Thesis (University of Science and Technology of China)

39488	Mingze Li	(2019)	2017A4903	BL15XU	Wang Zhenhua	Topological Surface State Regulation and Photoelectric Properties of Topological Insulator Bi ₂ Se ₃
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博士論文 (愛媛大学)

39411	Chaowen Xu	(2019)	2018B1708	BL04B1	Xu Chaowen	Phase Relations of Al-bearing Dense Hydrous Phases up to the Uppermost Lower Mantle and Sound Velocities of Al-bearing Phase D
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博士論文 (大阪大学)

39504	Nam Tran	(2018)	2017B6101	BL31LEP	村松 憲仁	η Photo-Production from Proton Target at LEPS2/BGOegg Experiment
			2017A6101	BL31LEP	村松 憲仁	
			2016B6101	BL31LEP	村松 憲仁	
			2016A6101	BL31LEP	村松 憲仁	
			2015B6101	BL31LEP	村松 憲仁	
			2015A6101	BL31LEP	村松 憲仁	

博士論文 (大阪府立大学)

39671	Masato Tsuyuguchi	(2020)	2015A6518	BL44XU	木下 誠富	Crystal Analyses Provide Structural Basis for Producing Highly-Selective CK2α1 Inhibitors
			2015B6518	BL44XU	木下 誠富	
			2017B6717	BL44XU	木下 誠富	
			2018A6814	BL44XU	木下 誠富	
			2018B6814	BL44XU	木下 誠富	
			2015A6101	BL31LEP	村松 憲仁	

博士論文 (京都大学)

39581	Shotaro Hiraide	(2018)	2017A1167	BL02B2	田中 秀樹	Understanding Gate Adsorption Behavior on Flexible Metal-Organic Frameworks with the Aid of X-Ray Structural Analysis Toward Their Potential Applications
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博士論文（群馬大学）

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
39561	Takahiro Saito	(2020)	2014A5030	BL16XU	飯原 順次	Study on Nanostructure Evaluation of Silicon Carbide Derived Porous Carbon and its Application for Capacitor Electrode

博士論文（東京大学）

39515	Shoh Tagawa	(2020)	2016B1460	BL09XU	廣瀬 敬	Hydrogen in the Core
			2017A1394	BL09XU	中島 陽一	

博士論文（同志社大学）

39597	Satoshi Hashigami	(2019)	2017B5050	BL16XU	立松 正幹	Studies on Degradation Factors and Their Mitigation Methods of Cathode Materials for Advanced Lithium-Ion Batteries
			2018A5050	BL16XU	立松 正幹	
			2018B5050	BL16XU	出口 博史	

博士論文（早稲田大学）

39410	Tatsuya Kato	(2020)	2019A1777	BL14B2	加藤 達也	Enhancement and Mechanism Investigation of Rare Earth Dissolution from Refractory Ores by Mechanochemical Reaction
			2017A1781	BL14B2	渡辺 剛	
			2017B1920	BL14B2	渡辺 剛	
			2018A1696	BL14B2	所 千晴	
			2018A1798	BL14B2	加藤 達也	
			2019B1723	BL14B2	渡辺 剛	
			2019A1815	BL14B2	渡辺 剛	
			2019B1867	BL14B2	加藤 達也	

課題以外の成果として登録された論文

Analytical Methods

研究成果番号	主著者	雑誌情報		ビームライン	タイトル
39387	Surachada Chuaychob	12 (2020) 230-238		BL45XU	A Nanobiosensor for the Simple Detection of Small Molecules Using Non-crosslinking Aggregation of Gold Nanoparticles with G-quadruplexes

The Journal of Biological Chemistry

39370	Masakazu Sugishima	295 (2020) 771-782	理研	BL32XU	Crystal Structure of Phytochromobilin Synthase in Complex with Biliverdin IXa, a Key Enzyme in the Biosynthesis of Phytochrome
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Journal of Synchrotron Radiation

39559	Makoto Hirose	27 (2020) 455-461	装置&技術	BL29XU	Nanoscale Determination of Interatomic Distance by Ptychography-EXAFS Method using Advanced Kirkpatrick-Baez Mirror Focusing Optics
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Optics Express

39304	Makoto Hirose	28 (2020) 1216-1224	光学系	BL29XU	Multibeam Ptychography with Synchrotron Hard X-rays
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Physical Review Accelerators and Beams

39265	Tsutomu Taniuchi	23 (2020) 012401	加速器		dc Septum Magnet Based on Permanent Magnet for Next-Generation Light Sources
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Review of Scientific Instruments

39565	Togo Kudo	91 (2020) 033103	フロントエンド	BL13XU	Energy-Resolved Beam-Monitoring System for Undulator Radiation using Scattering from a Chemical-Vapor-Deposition Diamond Film
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情報処理学会デジタルプラクティス (Journal of Digital Practices)

39320	Keiichi Shinbe	11 (2020) 191-204	その他		Practice of System Solutions for Promoting Dissemination of Research Results in a Shared Facility
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