

最近 SPring-8 もしくは SACLA から発表された成果リスト

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利用推進部

SPring-8 もしくは SACLA において実施された研究課題等の成果が公表された場合は JASRI の成果登録データベースに登録していただくことになっており、その内容は以下の URL (SPring-8 論文データベース検索ページ) で検索できます。

http://www.spring8.or.jp/ja/science/publication_database/

このデータベースに登録された原著論文の内、平成 29 年 10 月～12 月に登録されたものを以下に紹介します。論文の情報（著者、巻、発行年、ページ、タイトル）に加え、データベースの登録番号（研究成果番号）を掲載していますので、詳細は上記検索ページの検索結果画面でご覧いただくことができます。また実施された課題の情報（課題番号、ビームライン、実験責任者名）も掲載しています。課題番号は最初の 4 文字が「year」、次の 1 文字が「term」、後ろの 4 文字が「proposal no.」となっていますので、この情報から以下の URL で公表している、各課題の英文利用報告書 (SPring-8 User Experiment Report) を探してご覧いただくことができます。

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

今後も利用者情報には発行月の 2 ヶ月前の月末締めで、前号掲載分以降に登録された論文情報を掲載していく予定です。なお、データベースは毎日更新されていますので、最新情報は SPring-8 論文データベース検索ページでご確認ください。なお、実験責任者の方には、成果が公表されましたら速やかに登録いただきますようお願いいたします。

SPring-8 研究成果登録データベースに 2017 年 10 月～12 月に登録された論文が掲載された主な雑誌と掲載論文数

掲載雑誌	登録論文数	掲載雑誌	登録論文数
Scientific Reports	16	ACS Applied Materials & Interfaces	5
Journal of the Physical Society of Japan	11	American Mineralogist	5
レーザー研究 (The Review of Laser Engineering)	11	Journal of Physics: Conference Series	5
Japanese Journal of Applied Physics	8	Nuclear Instruments and Methods in Physics Research Section A	5
Angewandte Chemie International Edition	6		
Inorganic Chemistry	6	The Journal of Physical Chemistry C	5
Chemical Communications	6	高圧力の科学と技術 (The Review of High Pressure Science and Technology)	5
Physical Review B	6		

他全 176 誌、計 331 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

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
34628	Makina Saito	7 (2017) 12558	2015A1224	BL09XU	瀬戸 誠	Synchrotron Radiation-Based Quasi-Elastic Scattering using Time-Domain Interferometry with Multi-Line Gamma Rays
			2015B1185	BL09XU	瀬戸 誠	
			2016A1084	BL09XU	瀬戸 誠	
34653	Fumiya Maeda	7 (2017) 40602	2013B0104	BL10XU	大谷 栄治	Diamond Formation in the Deep Lower Mantle: a High-Pressure Reaction of MgCO ₃ and SiO ₂
34675	Shinnosuke Tanaka	7 (2017) 8776	2013B1874	BL26B2	角田 佳充	Structural Basis for the Broad Substrate Specificity of the Human Tyrosylprotein Sulfotransferase-1
			2014A1221	BL38B1	角田 佳充	
			2015A1121	BL38B1	角田 佳充	
			2010B2018	BL32XU	角田 佳充	
			2011A1234	BL32XU	角田 佳充	
2015A1121	BL41XU	角田 佳充				
34688	Takashi Yamamoto	7 (2017) 12930	2012B1263	BL43IR	山本 貴	Charge and Lattice Fluctuations in Molecule-Based Spin Liquids
34695	Nozomu Hiraoka	7 (2017) 565	2010A4258	BL12XU	平岡 望	Electron Momentum Densities Near Dirac Cones: Anisotropic Umklapp Scattering and Momentum Broadening
34786	Rosantha Kumara	7 (2017) 14606	2014A1321	BL04B2	坂田 修身	Hydrogen Storage and Stability Properties of Pd-Pt Solid-Solution Nanoparticles Revealed via Atomic and Electronic Structure
			2014B1210	BL04B2	Kumara Rosantha	
			2014B1239	BL01B1	小原 真司	
			2015B1245	BL04B2	坂田 修身	
			2016A0130	BL01B1	小原 真司	
			2014A4904	BL15XU	吉本 護	
			2014B4906	BL15XU	北川 宏	
			2015A4903	BL15XU	北川 宏	
34828	Tomoo Mizugaki	7 (2017) 14007	2017A1582	BL14B2	金田 清臣	New Routes for Refinery of Biogenic Platform Chemicals Catalyzed by Cerium Oxide-supported Ruthenium Nanoparticles in Water
			2016B1851	BL14B2	金田 清臣	
			2016B1546	BL14B2	金田 清臣	
			2016A1525	BL14B2	金田 清臣	
			2016A1103	BL01B1	金田 清臣	
2015B1571	BL14B2	金田 清臣				
34892	Takahiro Ishikawa	6 (2016) 23160	2014B0112	BL10XU	清水 克哉	Superconducting H ₂ S ₂ Phase in Sulfur-Hydrogen System under High-Pressure
34972	Yoshio Takahashi	7 (2017) 12407	2014B1307	BL37XU	高橋 嘉夫	Comparison of Solid-Water Partitions of Radiocesium in River Waters in Fukushima and Chernobyl Areas
			2015A0118	BL37XU	高橋 嘉夫	
34979	Marcus J. Kitchen	7 (2017) 15953	2014B1522	BL20B2	Kitchen Marcus	CT Dose Reduction Factors in the Thousands using X-ray Phase Contrast
			2012B0047	BL20B2	Hooper Stuart	
35145	Shinya Tsukada	7 (2017) 17508	2013B3713	BL22XU	大和田 謙二	Relation between Fractal Inhomogeneity and In/Nb-Arrangement in Pb(In _{1/2} Nb _{1/2})O ₃
35164	Yoshihiro Kubozono	6 (2016) 38535	2011A1938	BL02B2	久保園 芳博	Transistor Properties of 2,7-Dialkyl-Substituted Phenanthro[2,1-b:7,8-b']dithiophene
35185	James T. Pearson	7 (2017) 18108	2011B1588	BL28B2	Pearson James	Widespread Coronary Dysfunction in the Absence of HDL Receptor SR-B1 in an Ischemic Cardiomyopathy Mouse Model
			2012A1674	BL28B2	Pearson James	

Journal of the Physical Society of Japan-1

34692	Kouhei Nagasaka	86 (2017) 074701	2016B1078	BL02B2	水口 佳一	Intrinsic Phase Diagram of Superconductivity in the BiCh ₂ -Based System Without In-Plane Disorder
34693	Yudai Hijikata	86 (2017) 054711	2016B1078	BL02B2	水口 佳一	Bi Substitution Effects on Superconductivity of Valence-Skip Superconductor AgSnSe ₂
34797	Takeshi Matsumura	86 (2017) 124702	2015B3711	BL22XU	稲見 俊哉	Chiral Soliton Lattice Formation in Monoaxial Helimagnet Yb(Ni _{1-x} Cu _x) ₃ Al ₉
			2016A3761	BL22XU	稲見 俊哉	
			2016B3762	BL22XU	稲見 俊哉	
			2017A3787	BL22XU	松村 武	
34827	Shigenori Ueda	86 (2017) 124706	2012A4603	BL15XU	上田 茂典	Polarization Dependent Bulk-Sensitive Valence Band Photoemission Spectroscopy and Density Functional Theory Calculations: Part I. 3d Transition Metals
			2013B4604	BL15XU	大橋 直樹	
			2014B4606	BL15XU	上田 茂典	

Journal of the Physical Society of Japan-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
34859	Koji Kimura	86 (2017) 124703	2013B1070	BL08W	松田 和博	X-ray Compton Scattering Study of Liquid Germanium and Tin
			2010A1095	BL08W	松田 和博	
			2010B1170	BL08W	乾 雅祝	
			2015A1168	BL08W	松田 和博	
			2015B1229	BL08W	松田 和博	
			2016A1188	BL08W	松田 和博	
34932	Takateru Kawakami	86 (2017) 124716	2011A1135	BL39XU	川上 隆輝	Effect of Fe-site Substitution on Pressure-induced Spin Transition in SrFeO ₂
			2014A1644	BL10XU	徳道 敬太	
			2016B1672	BL10XU	風間 宣克	
35067	Toshihiko Ishiga	83 (2014) 094717	2009B1705	BL25SU	吉田 力矢	Electronic Structures of CeM ₂ Al ₁₀ (M = Fe, Ru, and Os) Studied by Soft X-ray Resonant and High-Resolution Photoemission Spectroscopies
			2009B1757	BL27SU	横谷 尚睦	
35082	Yoshinao Hasegawa	86 (2017) 123709	2016B1763	BL43IR	長谷川 慶直	Two-Phonon Absorption Spectra in the Layered Honeycomb Compound α-RuCl ₃
			2015A1537	BL43IR	大串 研也	
			2015B1442	BL43IR	大串 研也	
			2016A1251	BL43IR	大串 研也	
35152	Takaya Mitsui	85 (2016) 123707	2012A3501	BL11XU	三井 隆也	High-Pressure-Hydrogen-Induced Spin Reconfiguration in GdFe ₂ Observed by ⁵⁷ Fe-Polarized Synchrotron Radiation Mössbauer Spectroscopy with Nuclear Bragg Monochromator
			2012B3501	BL11XU	三井 隆也	
			2013A3501	BL11XU	三井 隆也	
			2013B3501	BL11XU	三井 隆也	
			2014A3501	BL11XU	三井 隆也	
			2016A3551	BL11XU	三井 隆也	
35161	Hiroshi Ota	87 (2018) 013601	2012B1794	BL25SU	下村 勝	Separation of Surface- and Bulk-Specific Ti L-edge XANES Spectra of Rutile (110) Surface
			2015B1401	BL25SU	松井 文彦	

Japanese Journal of Applied Physics

34644	Wensheng Wang	56 (2017) 10PF14	2016A5110	BL16XU	淡路 直樹	Control of La-doped Pb(Zr,Ti)O ₃ Crystalline Orientation and its Influence on the Properties of Ferroelectric Random Access Memory
			2016B5110	BL16XU	淡路 直樹	
			2016A5410	BL16B2	淡路 直樹	
			2016B5410	BL16B2	淡路 直樹	
34679	Yasuhiro Yoneda	55 (2016) 10TC04	2015A1173	BL04B2	米田 安宏	Local Structure Analysis of NaNbO ₃ and AgNbO ₃ Modified by Li Substitution
			2016A1049	BL04B2	米田 安宏	
			2015B3607	BL14B1	米田 安宏	
			2016A3607	BL14B1	米田 安宏	
34687	Murugesan Mariappan	56 (2017) 04CC08	2014A0109	BL47XU	宮崎 誠一	Improving the Barrier Ability of Ti in Cu through-Silicon vias through Vacuum Annealing
34719	Shoichi Takeda	56 (2017) 10PB10	2015A0074	BL02B2	森吉 千佳子	Structure Fluctuation in Gd- and Mg-Substituted BaTiO ₃ with Cubic Structure
			2009A0084	BL02B2	久保田 佳基	
			2014B1468	BL02B2	黒岩 芳弘	
			2014A1684	BL02B2	帆足 宏一	
			2014B1771	BL02B1	竹田 翔一	
34890	Mari Einaga	56 (2017) 05FA13	2014B0112	BL10XU	清水 克哉	Two-Year Progress in Experimental Investigation on High-Temperature Superconductivity of Sulfur Hydride
34946	Wataru Yashiro	55 (2016) 048003	2015B1255	BL20XU	矢代 航	X-ray Phase Imaging using a Gd-Based Absorption Grating Fabricated by Imprinting Technique
34948	Wataru Yashiro	56 (2017) 112503	2015B1263	BL28B2	矢代 航	Millisecond-Order X-ray Phase Tomography with Compressed Sensing
			2016A1258	BL28B2	矢代 航	
			2016B1229	BL28B2	矢代 航	
			2017A1438	BL28B2	矢代 航	
34996	Yasuhiro Yoneda	56 (2017) 10PB07	2016A1049	BL04B2	米田 安宏	Local Structure Analysis of (Na _{0.5} K _{0.45} Li _{0.05})NbO ₃ Synthesized by Malic Acid Complex Solution Method
			2016A3607	BL14B1	米田 安宏	
			2017A3607	BL14B1	米田 安宏	
			2017A1069	BL04B2	米田 安宏	

Angewandte Chemie International Edition-1

34622	Tsukasa Futagoishi	56 (2017) 4261-4265	2013B1138	BL38B1	若宮 淳志	A Stable, Soluble, and Crystalline Supramolecular System with a Triplet Ground State
34624	Suning Wang	54 (2015) 15074-15078	2014B1556	BL38B1	若宮 淳志	In Situ Solid-State Generation of (BN) ₂ -Pyrenes and Electroluminescent Devices
			2014A1403	BL38B1	若宮 淳志	
34625	Tsukasa Futagoishi	54 (2015) 14791-14794	2013A1489	BL38B1	若宮 淳志	Trapping N ₂ and CO ₂ on the Sub-Nano Scale in the Confined Internal Spaces of Open-Cage C ₆₀ Derivatives: Isolation and Structural Characterization of the Host-Guest Complexes

Angewandte Chemie International Edition-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
34770	Masahiro Kouno	56 (2017) 13762-13766	2015B1237	BL02B1	吉成 信人	Valence Interconversion of Octahedral Nickel(II/III/IV) Centers
			2016A1485	BL02B1	小島 達弘	
34860	Taisuke Matsuno	56 (2017) 15020-15024	2015B1102	BL38B1	佐藤 宗太	Assembly, Thermodynamics, and Structure of a Two-Wheeled Composite of a Dumbbell-Shaped Molecule and Cylindrical Molecules with Different Edges
			2016B1175	BL38B1	佐藤 宗太	
34997	Ichiro Hisaki	56 (2017) 15294-15298	2016A1121	BL38B1	久木 一朗	A Hydrogen-Bonded Hexagonal Buckybowl Framework
			2016B1151	BL38B1	久木 一朗	

ACS Applied Materials & Interfaces

34771	Eman Al-Naamani	9 (2017) 37702-37711	2015A1696	BL46XU	尾坂 格	Exploring Alkyl Chains in Benzobisthiazole-Naphthobisthiadiazole Polymers: Impact on Solar-Cell Performance, Crystalline Structures, and Optoelectronics
			2016A1768	BL46XU	尾坂 格	
			2016B1875	BL46XU	尾坂 格	
			2017A1771	BL46XU	尾坂 格	
34784	Masakoto Kanezashi	9 (2017) 24625-24633	2015A0115	BL04B2	脇原 徹	Preparation and Gas Permeation Properties of Fluorine-Silica Membranes with Controlled Amorphous Silica Structures: Effect of Fluorine Source and Calcination Temperature on Network Size
35002	Shotaro Hiraiide	9 (2017) 41066-41077	2016A1614	BL02B2	平出 翔太郎	Intrinsic Thermal Management Capabilities of Flexible Metal-Organic Frameworks for Carbon Dioxide Separation and Capture
			2015B1543	BL02B2	田中 秀樹	
			2016A1481	BL02B2	田中 秀樹	
			2016B1683	BL02B2	平出 翔太郎	
35074	Hisayoshi Daicho	9 (2017) 41405-41412	2016A1620	BL02B2	中埜 彰俊	Nanocomposite Phosphor Consisting of $\text{Ca}_2\text{Eu}^{2+}$ Single Nanocrystals Embedded in Crystalline SiO_2
35095	Ming-Jay Deng	9 (2017) 479-486	2016A4131	BL12B2	Deng Ming-Jay	Cheap, High-Performance, and Wearable Mn Oxide Supercapacitors with Urea- LiClO_4 Based Gel Electrolytes
			2017A4136	BL12B2	Deng Ming-Jay	
			2016A4127	BL12B2	Deng Ming-Jay	

American Mineralogist

34654	Fumiya Maeda	102 (2017) 2106-2112	2013B0104	BL10XU	大谷 栄治	Spin State and Electronic Environment of Iron in Basaltic Glass in the Lower Mantle
			2014A3516	BL11XU	大谷 栄治	
			2014B3519	BL11XU	大谷 栄治	
34672	Sergey Rashchenko	101 (2016) 2564-2569	2013B0104	BL10XU	大谷 栄治	In situ X-ray Observation of 10 Å Phase Stability at High Pressure
34799	Yuto Kidokoro	102 (2017) 2230-2234	2014A0080	BL10XU	廣瀬 敬	Phase Transition in SiC from Zinc-Blende to Rock-Salt Structure and Implications for Carbon-Rich Extrasolar Planets
34805	Takayuki Ishii	102 (2017) 1947-1952	2014A0080	BL10XU	廣瀬 敬	Synthesis and Crystal Structure of LiNbO_3 -type $\text{Mg}_3\text{Al}_2\text{Si}_3\text{O}_{12}$: A Possible Indicator of Shock Conditions of Meteorites
			2016A1172	BL04B1	石井 貴之	
35088	Jeffrey Allwardt	92 (2007) 1093-1104	2004B0647	BL04B1	寺崎 英紀	Effect of Structural Transitions on Properties of High-Pressure Silicate Melts: ^{27}Al NMR, Glass Densities, and Melt Viscosities

Inorganic Chemistry

34681	Koji Fujita	56 (2017) 11113-11122	2014A1683	BL02B2	河本 崇博	Perovskite-Type InCoO_3 with Low-Spin Co^{3+} : Effect of In-O Covalency on Structural Stabilization in Comparison with Rare-Earth Series
			2014B1726	BL02B2	河本 崇博	
			2016A1308	BL02B2	藤田 晃司	
34682	Anselm Hahn	56 (2017) 8203-8211	2016A7506	BL07LSU	Van Kuiken Benjamin	Measurement of the Ligand Field Spectra of Ferrous and Ferric Iron Chlorides Using 2p3d RIXS
			2016B1567	BL14B2	植田 和茂	
34728	Kazushige Ueda	56 (2017) 12625-12630	2009A1804	BL14B2	植田 和茂	Luminescence and Valence of Tb Ions in Alkaline Earth Stannates and Zirconates Examined by X-ray Absorption Fine Structures
			2014B1360	BL02B2	陰山 洋	
34807	Fumitaka Takeiri	56 (2017) 13035-13040	2013B1117	BL02B2	陰山 洋	Promoted Hydride/Oxide Exchange in SrTiO_3 by Introduction of Anion Vacancy via Alivalent Cation Substitution
			2016A1050	BL02B2	陰山 洋	
			2014A0078	BL02B1	Iversen Bo	
34819	Satomi Ogura	55 (2016) 7709-7716	2014A0078	BL02B1	Iversen Bo	Antiferromagnetic Ordering in the Single-Component Molecular Conductor $[\text{Pd}(\text{tmdt})_2]$

The Journal of Physical Chemistry C-1

34716	Gosuke Oyama	120 (2016) 23323-23328	2014B7403	BL07LSU	原田 慈久	Combined Experimental and Computational Analyses on the Electronic Structure of Alluaudite-Type Sodium Iron Sulfate
			2015A7403	BL07LSU	原田 慈久	
34717	Daisuke Kajiya	120 (2016) 23351-23357	2014B1629	BL19B2	齋藤 健一	Enhancement of Out-of-Plane Mobilities of Three Poly(3-alkylthiophene)s and Associated Mechanism
			2015B1630	BL19B2	齋藤 健一	

The Journal of Physical Chemistry C-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
34743	Kenta Fujii	121 (2017) 22720-22726	2015B1429	BL04B2	藤井 健太	Long-Range Ion-Ordering in Salt-Concentrated Lithium-Ion Battery Electrolytes: A Combined High-Energy X-ray Total Scattering and Molecular Dynamics Simulation Study
			2016A1375	BL04B2	上野 和英	
34937	Haibo Yin	121 (2017) 23531-23540	2017A1063	BL01B1	桑原 泰隆	Localized Surface Plasmon Resonances in Plasmonic Molybdenum Tungsten Oxide Hybrid for Visible-Light-Enhanced Catalytic Reaction
			2016A1057	BL01B1	桑原 泰隆	
35065	Ayaka Fujimoto	121 (2017) 21272-21280	2015B1901	BL19B2	藤井 孝太郎	New Oxide-Ion Conductor SrYbInO ₄ with Partially Cation-Disordered CaFe ₂ O ₄ -Type Structure
			2014A1510	BL19B2	伊藤 孝憲	
			2014B1660	BL19B2	藤井 孝太郎	
			2014B1922	BL19B2	藤井 孝太郎	
			2015B1596	BL19B2	藤井 孝太郎	
			2015A1674	BL19B2	藤井 孝太郎	
2016A1616	BL02B2	日比野 圭佑				

Nuclear Instruments and Methods in Physics Research Section A

34722	Natsuki Tomida	766 (2014) 283-287	2013B6001	BL33LEP	堀田 智明	Large Strip RPCs for the LEPS2 TOF System
			2013A6001	BL33LEP	堀田 智明	
			2012B6001	BL33LEP	堀田 智明	
			2012A6001	BL33LEP	堀田 智明	
34723	Takeshi Ohta	664 (2012) 347-352	2010A6001	BL33LEP	堀田 智明	Distillation of Hydrogen Isotopes for Polarized HD Targets
			2010B6001	BL33LEP	堀田 智明	
			2011A6001	BL33LEP	堀田 智明	
			2011B6001	BL33LEP	堀田 智明	
34724	Takeshi Ohta	640 (2011) 241-246	2010A6001	BL33LEP	堀田 智明	HD Gas Analysis with Gas Chromatography and Quadrupole Mass Spectrometer
			2010B6001	BL33LEP	堀田 智明	
			2011A6001	BL33LEP	堀田 智明	
			2011B6001	BL33LEP	堀田 智明	
34725	Takeshi Ohta	633 (2011) 46-50	2010A6001	BL33LEP	堀田 智明	Development of Portable NMR Polarimeter System for Polarized HD Target
			2010B6001	BL33LEP	堀田 智明	
34838	Keisuke Inoue	880 (2018) 87-91	2012A1384	BL09XU	岸本 俊二	Measurement of Nuclear Resonant Scattering on ⁶¹ Ni with Fast Scintillation Detector using Propotional-Mode Silicon Avalanche Photodiode
			2015B1378	BL09XU	岸本 俊二	

Applied Physics Letters

34629	Keisuke Ikeda	111 (2017) 142402	2014A1158	BL39XU	藤森 淳	Magnetic Anisotropy of L1 ₀ -ordered FePt Thin Films Studied by Fe and Pt L _{2,3} -edges X-ray Magnetic Circular Dichroism
			2015B1461	BL39XU	藤森 淳	
34861	Tao Wang	109 (2016) 181901	2016A1060	BL44B2	Xing Xianran	Tunable Thermal Expansion and Magnetism in Zr-Doped ScF ₃
35174	Daisuke Mori	111 (2017) 201603	2015B1651	BL25SU	森 大輔	Local Structural Determination of N at SiO ₂ /SiC(000 $\bar{1}$) Interfaces by Photoelectron Diffraction
35175	Okkyun Seo	111 (2017) 253101	2013B1207	BL04B2	Kumara Rosantha	Stacking Fault Density and Bond Orientational Order of fcc Ruthenium Nanoparticles
			2014A1321	BL04B2	坂田 修身	
			2014B1210	BL04B2	Kumara Rosantha	
			2015B1245	BL04B2	坂田 修身	
2016B4500	BL15XU	坂田 修身				

Chemistry Letters

34621	Hiroyuki Shimogawa	46 (2017) 715-718	2012B1319	BL38B1	若宮 淳志	D- π -A Dyes with Diketopyrrolopyrrole and Boryl-substituted Thierylthiazole Units for Dye-sensitized Solar Cells with High J _{sc} Values
34649	Hongcheng Ruan	46 (2017) 1304-1307	2016A1435	BL28B2	西堀 麻衣子	Effect of Thermal Conductivity of Catalytic Materials on Soot Sensing Performance Based on a Combustion-type Sensor
			2016B1302	BL28B2	西堀 麻衣子	
			2014B1477	BL28B2	西堀 麻衣子	
34755	Hikaru Saito	46 (2017) 1646-1649	2017A1755	BL14B2	関根 泰	Non-Oxidative Ethane Dehydroaromatization on Co/H-ZSM-5 Catalyst
34767	Masahiro Kouno	46 (2017) 1542-1545	2015B1241	BL02B2	吉成 信人	3-Aminopropanethiol versus 2-Aminoethanethiol Leading to Different S-bridged Multinuclear Structures Composed of Rhodium(III) Octahedrons

Journal of Materials Chemistry A

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
34691	Akira Miura	5 (2017) 14270-14277	2016B1078	BL02B2	水口 佳一	Synthesis, Structure and Photocatalytic Activity of Layered LaOInS ₂
34710	Yuto Tamura	4 (2016) 15333-15342	2015A1388	BL40XU	高谷 光	Fullerene-Linked Tetrabenzoporphyrins for Solution-Processed Organic Photovoltaics: Flexible vs. Rigid Linkers
34714	Chek-Hai Lim	5 (2017) 21536-21541	2016A4128	BL12B2	Wu Nae-Lih	Insight into Microstructural and Phase Transformations in Electrochemical Sodiation-Desodiation of a Bismuth Particulate Anode
			2016B4127	BL12B2	Wu Nae-Lih	
			2017A4129	BL12B2	Wu Nae-Lih	
35054	Taame-Abraha Berhe	5 (2017) 21002-21015	2016A4132	BL12B2	Hwang Bing Joe	Identification of the Physical Origin behind Disorder, Heterogeneity, and Reconstruction and Their Correlation with the Photoluminescence Lifetime in Hybrid Perovskite Thin Films
			2016B4128	BL12B2	Hwang Bing Joe	

Journal of Physics: Conference Series

34618	Takeshi Mito	868 (2017) 012008	2014A1233	BL39XU	水戸 毅	Electronic States in the Pressure-Induced Magnetically Ordered Phase in SmB ₆
34821	Hisao Kobayashi	950 (2017) 042035	2004B0726	BL10XU	小林 寿夫	Charge Ordering in Sm ₄ Bi ₃ under Pressure
			2008B1398	BL09XU	小林 寿夫	
			2010B1517	BL10XU	小林 寿夫	
			2004A0514	BL10XU	小林 寿夫	
34831	Masafumi Sakata	950 (2017) 042020	2011B1357	BL10XU	中本 有紀	Structural Phase Transition of Potassium under High-Pressure and Low-Temperature Condition
			2012A1112	BL10XU	中本 有紀	
			2014B0112	BL10XU	清水 克哉	
34835	Yuichi Akahama	950 (2017) 042060	2013A1086	BL10XU	赤浜 裕一	Raman Scattering and X-ray Diffraction Studies on Phase III of Solid Hydrogen
			2013B1172	BL10XU	赤浜 裕一	
			2014A1245	BL10XU	赤浜 裕一	
			2014B1124	BL10XU	赤浜 裕一	
			2015A1297	BL10XU	赤浜 裕一	

Nature Communications

34752	Alexander Gorel	8 (2017) 1170	2015B8045	BL3	Barends Thomas	Multi-Wavelength Anomalous Diffraction de novo Phasing using a Two-Colour X-ray Free-Electron Laser with Wide Tunability
34803	Ui Okada	8 (2017) 1336	2012A6746	BL44XU	村上 聡	Crystal Structure of Tripartite-type ABC Transporter MacB from <i>Acinetobacter baumannii</i>
			2012B6746	BL44XU	村上 聡	
			2013A6855	BL44XU	村上 聡	
			2013B6855	BL44XU	村上 聡	
			2013B6700	BL44XU	大野 美恵	
			2014A6954	BL44XU	村上 聡	
			2014A6700	BL44XU	大野 美恵	
			2015A6700	BL44XU	中川 敦史	
35027	Takehiko Toshi	8 (2017) 1585	2015B8042	BL3	岩田 想	Capturing an Initial Intermediate during the P450 _{nor} Enzymatic Reaction using Time-Resolved XFEL Crystallography and Caged-Substrate
			2016A8052	BL3	久保 稔	
			2016A8043	BL3	南後 恵理子	
			2016B8068	BL3	久保 稔	
			2017A8047	BL3	久保 稔	
			2014B1528	BL41XU	當舎 武彦	
			理研	BL26B2		
			2015B1247	BL43IR	久保 稔	
			2016A1346	BL43IR	久保 稔	
			2016B1146	BL43IR	久保 稔	
			2017A1170	BL43IR	久保 稔	
2015A1122	BL26B1	當舎 武彦				
2015A1122	BL41XU	當舎 武彦				
2016A2555	BL32XU	當舎 武彦				
35159	Meirong Chen	8 (2017) 1521	2015B1024	BL41XU	姚 閔	Structural Basis for tRNA-dependent Cysteine Biosynthesis

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
34634	Hongcheng Ruan	7 (2017) 43789-43797	2015B2007	BL28B2	加藤 和男	Soot Oxidation Performance with a HZSM-5 Supported Ag Nanoparticles Catalyst and the Characterization of Ag Species
			2016B1468	BL28B2	加藤 和男	
			2016A1435	BL28B2	西堀 麻衣子	
			2016B1302	BL28B2	西堀 麻衣子	
34732	Weigang Cao	6 (2016) 96275-96280	2015B1127	BL44B2	Lin Kun	Phase Transition and Negative Thermal Expansion in Orthorhombic Dy ₂ W ₃ O ₁₂
			2016A1060	BL44B2	Xing Xianran	
34862	Masaya Miyagawa	6 (2016) 104560-104565	2015B1068	BL01B1	奥村 和	Precious Metal-Like Oxide-Free Copper Nanoparticles: High Oxidation Resistance and Geometric Structure
34975	Qingquan Lin	7 (2017) 38780-38783	2016A1521	BL14B2	村山 美乃	Remarkable Enhancement of Fe-V-O _x Composite Metal Oxide to Gold Catalyst for CO Oxidation in the Simulated Atmosphere of CO ₂ Laser

Bulletin of the Chemical Society of Japan

34769	Takuma Itai	90 (2017) 1273-1275	2017A1282	BL02B2	吉成 信人	Stepwise Synthesis and Crystal Structure of an Au ₄ Co ^{II} ₂ Hexanuclear Complex with D-Penicillamine and Bis(dicyclohexylphosphino)ethane
34952	Anirban Das	88 (2015) 341-345	2012B1564	BL37XU	高橋 嘉夫	Application of X-ray Absorption Fine Structure (XAFS) Spectroscopy to Speciation of Lead (Pb) Contaminants in Plastics
			2009A1170	BL01B1	高橋 嘉夫	
35014	Hikari Watanabe	89 (2016) 965-972	2012B1447	BL04B2	貞包 浩一朗	Raman Spectroscopic Speciation Analyses and Liquid Structures by High-Energy X-ray Total Scattering and Molecular Dynamics Simulations for <i>N</i> -methylimidazolium-Based Protic Ionic Liquids
			2012B1709	BL04B2	土井 寛之	
			2012A1682	BL04B2	上野 和英	
			2012A1669	BL04B2	梅林 泰宏	
			2012A1571	BL04B2	土井 寛之	
			2011A1373	BL35XU	梅林 泰宏	

Chemical Communications

34768	Lidan Deng	53 (2017) 6937-6940	2011B1393	BL01B1	穴戸 哲也	Strong Metal-Support Interaction between Pt and SiO ₂ Following High-Temperature Reduction: a Catalytic Interface for Propane Dehydrogenation
			2011B1403	BL28B2	穴戸 哲也	
			2012A1297	BL01B1	穴戸 哲也	
34782	Jie Zhu	53 (2017) 6796-6799	2015A0115	BL04B2	脇原 徹	Ultrafast Synthesis of High-Silica Erionite Zeolites with Improved Hydrothermal Stability
35129	H. Daicho	54 (2018) 884-887	2016A1267	BL02B1	澤 博	A Novel Red-Emitting K ₂ Ca(PO ₄)F:Eu ²⁺ Phosphor with a Large Stokes Shift
			2016A1620	BL02B2	中埜 彰俊	
			2016B1737	BL02B1	中埜 彰俊	
			2017A1327	BL02B1	澤 博	

Chemical Geology

34662	Eiji Ohtani	418 (2015) 6-15	2013B0104	BL10XU	大谷 栄治	Hydrous Minerals and the Storage of Water in the Deep Mantle
34910	Norikatsu Akizawa	475 (2017) 87-104	2009A1603	BL37XU	仙田 量子	Metasomatic PGE Mobilization by Carbonatitic Melt in the Mantle: Evidence from Sub- μ m-Scale Sulfide-Carbonaceous Glass Inclusion in Tahitian Harzburgite Xenolith
			2011B1294	BL37XU	寺田 靖子	
			2014B1464	BL47XU	竹内 晃久	
			2014B1839	BL20XU	上杉 健太郎	
34966	Yuusuke Watanabe	471 (2017) 38-51	2015A0118	BL01B1	高橋 嘉夫	Different Partitioning Behaviors of Molybdenum and Tungsten in a Sediment-Water System under Various Redox Conditions
			2015A0118	BL27SU	高橋 嘉夫	
			2015A0118	BL37XU	高橋 嘉夫	

Chemistry - A European Journal

34623	Hiroyuki Shimogawa	23 (2017) 3784-3791	2013A1489	BL38B1	若宮 淳志	4,7-Bis[3-(dimesitylboryl)thien-2-yl]benzothiadiazole: Solvato-, Thermo-, and Mechanochromism Based on the Reversible Formation of an Intramolecular B-N Bond
			2012B1319	BL38B1	若宮 淳志	
34938	Takuma Itai	23 (2017) 16438-16441	2016A1485	BL02B1	小島 達弘	Creation of Optically Pure Crystals from a Meso-Type Gold(I) Metalloligand with D- and L-Amino Acids: A Coordination Trick
35083	Ryohei Yamakado	23 (2017) 9244-9248	2016B1311	BL40B2	山門 陵平	Photo-Responsive Soft Ionic Crystals: Ion-Pairing Assemblies of Azobenzene Carboxylates
			2016B1498	BL40B2	羽毛田 洋平	
			2017A1305	BL40B2	前田 大光	
			2017A1408	BL40B2	羽毛田 洋平	

Hyperfine Interactions

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
35075	Makina Saito	238 (2017) 99	2014B3366	BL08B2	岸本 浩通	Effect of Silica Nanoparticle Filler on Microscopic Polymer α -Relaxation Dynamics
			2015A1397	BL09XU	金谷 利治	
			2015B1185	BL09XU	瀬戸 誠	
			2015A3366	BL08B2	岸本 浩通	
			2015B3366	BL08B2	岸本 浩通	
35076	Satoshi Tsutsui	238 (2017) 100	2015A2036	BL35XU	筒井 智嗣	Sm Valence States and Magnetic Properties in SmBe_{13} and $\text{SmTi}_2\text{Al}_{20}$ Investigated by Sm Synchrotron-Radiation-Based Mössbauer Spectroscopy
			2015B1947	BL09XU	筒井 智嗣	
			2016A1281	BL35XU	筒井 智嗣	
			2016B1057	BL09XU	筒井 智嗣	
			2016B1967	BL09XU	依田 芳卓	
2017A1060	BL09XU	筒井 智嗣				
35172	Ko Mibu	238 (2017) 92	2015B0901	BL09XU	千葉 大地	Thickness Dependence of Morin Transition Temperature in Iridium-Doped Hematite Layers Studied through Nuclear Resonant Scattering

Journal of the American Chemical Society

34796	Zhao Pan	139 (2017) 14865-14868	2015B1127	BL44B2	Lin Kun	Colossal Volume Contraction in Strong Polar Perovskites of $\text{Pb}(\text{Ti},\text{V})\text{O}_3$
			2016A1060	BL44B2	Xing Xianran	
			2016B1850	BL19B2	東 正樹	
34939	Kohei Matsui	140 (2018) 1195-1198	2014B1815	BL40XU	高谷 光	One-Shot Multiple Borylation toward BN-Doped Nanographenes
			2015A1320	BL40XU	畠山 琢次	
			2015A0114	BL40XU	高谷 光	
			2016A1052	BL40XU	畠山 琢次	
			2016B1059	BL40XU	畠山 琢次	
2017A1132	BL40XU	畠山 琢次				
35130	Yoshinori Kuno	138 (2016) 15950-15955	2015B1110	BL02B2	陰山 洋	ZnTaO_2N : Stabilized High-Temperature LiNbO_3 -type Structure
			2015B1111	BL02B2	山本 隆文	
			2015B1472	BL02B2	陰山 洋	

Journal of the Ceramic Society of Japan

34651	Gou Sajiki	125 (2017) 760-765	2014B1732	BL13XU	棧敷 剛	Structural Analyses and Reverse Monte Carlo Modeling of Niobium Oxide Amorphous Film Prepared by Sputtering Method
			2014A1631	BL01B1	棧敷 剛	
			2014A1694	BL46XU	棧敷 剛	
			2013B1657	BL04B2	棧敷 剛	
34658	Isuru Withanage	125 (2017) 776-778	2016B1163	BL02B2	熊田 伸弘	Synthesis and Crystal Structure of Pyrochlore-Type Silver Niobate and Tantalate
35079	Kotaro Fujii	125 (2017) 808-810	2016A1616	BL02B2	日比野 圭佑	Crystal-Structure and Electron-Density Analyses of the Perovskite-Type Oxynitrides BaNbO_2N and SrNbO_2N through Synchrotron X-ray Powder Diffraction

Langmuir

34822	Toshihiko Oka	33 (2017) 12487-12496	2016A1192	BL40B2	山崎 昌一	Low-pH-Induced Lamellar to Bicontinuous Primitive Cubic Phase Transition in Dioleoylphosphatidylserine/Monoolein Membranes
			2016B1413	BL40B2	山崎 昌一	
			2017A1385	BL40B2	山崎 昌一	
34995	Ken Morishima	33 (2017) 6084-6091	2016A7210	BL03XU	和泉 篤士	Structure and Rheology of Wormlike Micelles Formed by Fluorocarbon-Hydrocarbon-Type Hybrid Gemini Surfactant in Aqueous Solution
35168	Satoshi Muratsugu	33 (2017) 10271-10282	2016A7822	BL36XU	松井 公佑	Size Regulation and Stability Enhancement of Pt Nanoparticle Catalyst via Polypyrrole Functionalization of Carbon-Nanotube-Supported Pt Tetranuclear Complex

Physical Review B

34633	Binbin Yue	96 (2017) 125118	2015A4265	BL12XU	Yue Binbin	High-Energy Electronic Excitations in a Bulk MoS_2 Single Crystal
35004	Yuki Ohuchi	91 (2015) 245115	2014B1845	BL39XU	打田 正輝	Topological Hall Effect in Thin Films of the Heisenberg Ferromagnet EuO
35189	Shinya Hosokawa	96 (2017) 214207	2013B1275	BL09XU	細川 伸也	Impurity Position and Lattice Distortion in a Mn-Doped Bi_2Te_3 Topological Insulator Investigated by X-ray Fluorescence Holography and X-ray Absorption Fine Structure
			2014A1065	BL09XU	細川 伸也	
			2013B4125	BL12B2	細川 伸也	
			2014B4125	BL12B2	細川 伸也	
			2015A4134	BL12B2	細川 伸也	

Analytical Sciences

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
34832	Hirokazu Narita	33 (2017) 1305-1309	2014A3517	BL11XU	成田 弘一	Comparison of the Extractabilities of Tetrachloro- and Tetrabromopalladate(II) Ions with a Thiodiglycolamide Compound
			2014B3518	BL11XU	成田 弘一	
35123	Fumiyuki Takasaki	33 (2017) 1007-1012	2010B1961	BL14B2	高崎 史進	Ligand Exchange Reactions of a Monomeric Zirconium Carbonate Complex with Carboxylic Acids Studied by Extended X-ray Absorption Fine Structure, UV Absorption and Raman Spectrophotometry
			2011B1826	BL14B2	高崎 史進	
			2012A1777	BL14B2	高崎 史進	

Applied Physics Express

34947	Wataru Yashiro	10 (2017) 052501	2015B1263	BL28B2	矢代 航	Sub-10-ms X-ray Tomography using a Grating Interferometer
			2016A1258	BL28B2	矢代 航	
			2016B1229	BL28B2	矢代 航	
34998	Kouichi Takase	10 (2017) 123001	2011B1432	BL02B2	高瀬 浩一	Charge-Density Study on Layered Oxyarsenides (LaO)MAs (M = Mn, Fe, Ni, Zn)
			2016A1230	BL02B2	高瀬 浩一	
			2009B1263	BL02B2	高瀬 浩一	
			2008B1557	BL02B2	高瀬 浩一	

Biochemical and Biophysical Research Communications

34659	Takayoshi Kinoshita	493 (2017) 313-317	2016A6616	BL44XU	木下 誉富	High-Resolution Structure Discloses the Potential for Allosteric Regulation of Mitogen-Activated Protein Kinase Kinase 7
			2016B6616	BL44XU	木下 誉富	
34750	Kanate Temtrirath	493 (2017) 1095-1101	2011B2055	BL41XU	橋本 涉	Binding Mode of Metal Ions to the Bacterial Iron Import Protein EfeO
			2012A1317	BL38B1	橋本 涉	
			2012B1265	BL38B1	橋本 涉	
			2013B1260	BL38B1	橋本 涉	
			2016A2574	BL38B1	橋本 涉	

Biochemistry

34730	Ko-Hsin Chin	54 (2015) 4936-4951	2014B4007	BL12B2	Tsai MingDaw	Structural Insights into the Distinct Binding Mode of Cyclic Di-AMP with SaCpaA_RCK
34940	Eric Sheng-Wen Chen	56 (2017) 5112-5124	2016A2507	BL41XU	別所 義隆	Phospho-Priming Confers Functionally Relevant Specificities for Rad53 Kinase Autophosphorylation

Biomacromolecules

35122	Tomoki Nishimura	18 (2017) 3913-3923	2017A1241	BL40B2	西村 智貴	Self-Assembled Polypeptide Nanogels with Enzymatically Transformable Surface as a Small Interfering RNA Delivery Platform
35156	Taiyo Yoshioka	18 (2017) 3892-3903	2014B1027	BL40B2	吉岡 太陽	Transformation of Coiled α -Helices into <i>Cross</i> - β -Sheets Superstructure
			2014B1487	BL40XU	田代 孝二	
			2016A1440	BL40B2	吉岡 太陽	

Chemistry of Materials

34652	Yuta Saito	29 (2017) 7440-7449	2014B1134	BL47XU	齊藤 雄太	Electronic Structure of Transition-Metal Based Cu ₂ GeTe ₃ Phase Change Material: Revealing the Key Role of Cu <i>d</i> Electrons
34798	Yuzhu Song	29 (2017) 7078-7082	2016A1060	BL44B2	Xing Xianran	Structure, Magnetism, and Tunable Negative Thermal Expansion in (Hf,Nb)Fe ₂ Alloys

Environmental Science & Technology

34760	Haibo Qin	51 (2017) 6027-6035	2015A0118	BL01B1	高橋 嘉夫	Tellurium Distribution and Speciation in Contaminated Soils from Abandoned Mine Tailing: Comparison with Selenium
			2015A0118	BL37XU	高橋 嘉夫	
34962	Kouhei Tokunaga	51 (2017) 9194-9201	2015A0118	BL01B1	高橋 嘉夫	Effective Removal of Selenite and Selenate Ions from Aqueous Solution by Barite

Geochemical Journal

34960	Kouhei Sakata	51 (2017) 215-225	2012B1564	BL37XU	高橋 嘉夫	Lead Speciation Studies on Coarse and Fine Aerosol Particles by Bulk and Micro X-ray Absorption Fine Structure Spectroscopy
			2013A1290	BL37XU	高橋 嘉夫	
			2014B1307	BL37XU	高橋 嘉夫	
			2015A0118	BL37XU	高橋 嘉夫	
35120	Motoko Igisu	51 (2017) 589-594	2016A1699	BL43IR	伊規須 素子	Studying Microscale Distributions of Aliphatic C-H Bonds in Neoproterozoic Prokaryotic Fossils using SR Micro-FTIR

Geochimica et Cosmochimica Acta

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
34842	Ryoichi Nakada	218 (2017) 273-290	2013B1658	BL01B1	中田 亮一	Aqueous Speciation is Likely to Control the Stable Isotopic Fractionation of Cerium at Varying pH
			2015A1305	BL01B1	中田 亮一	
34976	Keisuke Fukushi	213 (2017) 457-474	2015A0118	BL37XU	高橋 嘉夫	Speciation of Magnesium in Monohydrocalcite: XANES, <i>ab initio</i> and Geochemical Modeling
				BL27SU	高橋 嘉夫	
				BL01B1	高橋 嘉夫	

High Pressure Research

34804	Takayuki Ishii	37 (2017) 507-515	2015B1319	BL04B1	山崎 大輔	Pressure Generation to 65 GPa in a Kawai-Type Multi-Anvil Apparatus with Tungsten Carbide Anvils
			2015B1504	BL04B1	辻野 典秀	
			2015B1761	BL04B1	徐 放	
			2016A1172	BL04B1	石井 貴之	
			2016A1434	BL04B1	劉 兆東	
34848	Shintaro Azuma	38 (2018) 23-31	2017A1149	BL47XU	野村 龍一	Anvil Design for Slip-Free High Pressure Deformation Experiments in a Rotational Diamond Anvil Cell

IEEE Transactions on Magnetics

34772	Nobuaki Kikuchi	54 (2018) 6100106	2016A1400	BL39XU	大沢 仁志	Time- and Spatially Resolved Hard X-ray MCD Measurement on a Co/Pt Multilayer Dot Excited by Pulsed RF Field
			2016B1958	BL39XU	大沢 仁志	
35000	Akinobu Yamaguchi	53 (2017) 8108504	2013B1735	BL25SU	山口 明啓	Control of Domain Structure in Artificial Ni Wires Fabricated on an LiNbO ₃ Structure
			2014B1398	BL25SU	山口 明啓	
			2016A1252	BL17SU	山口 明啓	
			2016B1305	BL17SU	山口 明啓	

Journal of Alloys and Compounds

35081	Norihiko Okamoto	732 (2018) 52-63	2014B1228	BL02B1	乾 晴行	Crystal Structure Refinement of the Γ - and Γ_1 -phase Compounds in the Fe-Zn System and Orientation Relationships among α -Fe, Γ and Γ_1 Phases in the Coating Layer of Galvannealed Steel
			2015A1468	BL02B1	乾 晴行	
			2016B1096	BL02B1	岡本 範彦	
			2017A1243	BL02B1	岡本 範彦	
35128	Masatoshi Kanazawa	736 (2018) 314-321	2013B1062	BL04B1	関根 ちひろ	High-Pressure and High-Temperature Synthesis of Heavy Lanthanide Sesquisulfides Ln ₂ S ₃ (Ln=Yb, and Lu)

Journal of Applied Physiology

34943	Erin V. McGillick	123 (2017) 1204-1213	2016A0132	BL20B2	Hooper Stuart	Elevated Airway Liquid Volumes at Birth: a Potential Cause of Transient Tachypnea of the Newborn
34951	Jessica Crawshaw	121 (2016) 750-759	2009A0022	BL20B2	Lewis Robert	Effect of Betamethasone, Surfactant, and Positive End-Expiratory Pressures on Lung Aeration at Birth in Preterm Rabbits
			2008A0002	BL20B2	Lewis Robert	

Journal of Electron Spectroscopy and Related Phenomena

34780	Naomi Kawamura	220 (2017) 81-85	2001A0404	BL39XU	河村 直己	Magnetic Circular Dichroism of X-ray Spectroscopy for Spinel-Type Ferrites in Hard X-ray Region: X-ray Absorption, X-ray Emission, and X-ray Photoemission
			2010A1963	BL39XU	河村 直己	
			2010B2060	BL39XU	河村 直己	
			2010B1227	BL39XU	河村 直己	
			2010B4265	BL12XU	河村 直己	
			2011A2057	BL39XU	河村 直己	
			2011A4265	BL12XU	河村 直己	
			2013A1899	BL39XU	河村 直己	
			2014B1126	BL47XU	水牧 仁一朗	
			2015A1182	BL47XU	河村 直己	
			2015A1470	BL01B1	河村 直己	
2015B1975	BL09XU	池永 英司				
35151	Yuya Kubota	220 (2017) 17-20	2014A7401	BL07LSU	松田 巖	Polarization Dependence of Resonant Magneto-Optical Kerr Effect Measured by Two Types of Figure-8 Undulators
			2014B7401	BL07LSU	松田 巖	
			2014B7473	BL07LSU	松田 巖	
			2015A7401	BL07LSU	松田 巖	

The Journal of Organic Chemistry

34620	Hidetaka Nishimura	82 (2017) 5242-5249	2013A1489	BL38B1	若宮 淳志	Oxygen-Bridged Diphenyl-naphthylamine as a Scaffold for Full-Color Circularly Polarized Luminescent Materials
35119	Hiroshi Okada	82 (2017) 5868-5872	2013A0100	BL02B1	青柳 忍	Crystallographic Structure Determination of Both [5,6]- and [6,6]-Isomers of Lithium-Ion-Containing Diphenylmethano[60]fullerene

Journal of Physics: Condensed Matter

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
34777	Hitoshi Yamaoka	29 (2017) 475502	2012A4265	BL12XU	辻井 直人	Electronic Structure of Ferromagnetic Heavy Fermion, YbPdSi, YbPdGe, and YbPtGe Studied by Photoelectron Spectroscopy, X-ray Emission Spectroscopy, and DFT + DMFT Calculations
35194	Kazuhiro Fuchizaki	30 (2018) 045401	2014B3621	BL14B1	淵崎 眞弘	Pressure-induced Structural Change in Liquid Ge ₄

Journal of Solid State Chemistry

34824	Hiroaki Konishi	258 (2018) 225-231	2014A3622	BL14B1	平野 辰巳	Mechanisms Responsible for Two Possible Electrochemical Reactions in Li _{1.2} Ni _{0.13} Mn _{0.54} Co _{0.13} O ₂ Used for Lithium Ion Batteries
35184	Takanori Itoh	258 (2018) 702-711	2011A1703	BL14B2	伊藤 孝憲	Local Structure Change around Co and Fe Ions in (La _{0.6} Sr _{0.4})(Co _{0.2} Fe _{0.8})O _{3-δ} as Revealed by <i>in-situ</i> X-ray Absorption Spectroscopy and First-Principles Calculation
			2011B1764	BL14B2	伊藤 孝憲	
			2011B1765	BL19B2	伊藤 孝憲	

Journal of Synchrotron Radiation

34648	Minoru Kubo	24 (2017) 1086-1091	2016B8063	BL3	南後 恵理子	Nanosecond Pump-Probe Device for Time-Resolved Serial Femtosecond Crystallography Developed at SACLA
			2017A8018	BL3	南後 恵理子	
35087	Alexander Bagger	24 (2017) 296-301	2015A4256	BL12XU	De Groot Frank	1s _{2p} Resonant Inelastic X-ray Scattering Combined Dipole and Quadrupole Analysis Method

Journal of the Electrochemical Society

34703	Yoshinari Makimura	164 (2017) A2853-A2860	2015A7008	BL33XU	野中 敬正	Rechargeable Capacities and Polarizations of Li ₂ Ni _{0.75} Co _{0.15} Al _{0.05} Mg _{0.05} O _{2-δ} versus Li ₂ Ni _{0.8} Co _{0.15} Al _{0.05} O _{2-δ} for Lithium-Ion Batteries
35063	Masahiro Shiraiwa	164 (2017) F1392-F1399	2015A1674	BL19B2	藤井 孝太郎	Crystal Structure and Oxide-Ion Conductivity of Ba _{1-x} Nd _{1-x} InO _{4+x/2}
			2015B1596	BL19B2	藤井 孝太郎	
			2015B1901	BL19B2	藤井 孝太郎	
			2016A1616	BL02B2	日比野 圭佑	

Journal of Virology

35157	Mitsuhiro Nishimura	91 (2017) e01121-17	2016A2566	BL38B1	西村 光広	Crystal Structure of the DNA-Binding Domain of Human Herpesvirus 6A Immediate Early Protein 2
35160	Keisuke Komoda	91 (2017) e01002-17	2012A1494	BL41XU	田中 勲	Asymmetric Trimeric Ring Structure of the Nucleocapsid Protein of <i>Tospovirus</i>
			2017A2545	BL41XU	姚 閱	

Nature

34851	Yoshiyuki Norimatsu	545 (2017) 193-198	2012B1486	BL41XU	豊島 近	Protein-Phospholipid Interplay Revealed with Crystals of a Calcium Pump
			2016A0133	BL41XU	豊島 近	
			2009B0025	BL41XU	豊島 近	
			2013A0049	BL41XU	豊島 近	
35086	Gaojie Song	546 (2017) 312-315	2016B2724	BL41XU	Stevens Raymond	Human GLP-1 Receptor Transmembrane Domain Structure in Complex with Allosteric Modulators
			2016B2708	BL41XU	Liu Zhi-Jie	

Nature Physics

34889	Mari Einaga	12 (2016) 835-838	2014B0112	BL10XU	清水 克哉	Crystal Structure of the Superconducting Phase of Sulfur Hydride
35032	Aleksandr I. Chumakov	(2017) Published online 20 Nov. 2017	2014B8025	BL3	Chumakov Aleksandr	Superradiance of an Ensemble of Nuclei Excited by a Free Electron Laser

Physical Review Letters

34616	Toshiya Inami	119 (2017) 137203	2015B3711	BL22XU	稲見 俊哉	Magnetic Circular Dichroism in X-Ray Emission from Ferromagnets
			2016A3761	BL22XU	稲見 俊哉	
			2016B3762	BL22XU	稲見 俊哉	
34959	Fan Zhu	119 (2017) 215501	2013A1539	BL04B2	陳 明偉	Correlation between Local Structure Order and Spatial Heterogeneity in a Metallic Glass
			2013B1197	BL01B1	陳 明偉	

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
34656	Satoru Sasaki	357 (2017) 1381-1385	2014B1340	BL43IR	橋本 颯一郎	Crystallization and Vitrification of Electrons in a Glass-Forming Charge Liquid
			2014B1752	BL43IR	佐々木 智	
			2015A1777	BL43IR	佐々木 智	
			2015B1752	BL43IR	佐々木 智	
			2016A0073	BL43IR	佐々木 孝彦	
34837	Haruhiko Ehara	357 (2017) 921-924	2014B1265	BL41XU	関根 俊一	Structure of the Complete Elongation Complex of RNA Polymerase II with Basal Factors
			2015B2040	BL41XU	関根 俊一	
			2016A2526	BL41XU	関根 俊一	

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

35051	Norimasa Ozaki	27 (2017) 129-136	2013B8063	BL3	尾崎 典雅	Exploring Warm Dense Matter with Laser Shock Wave
			2014A8045	BL3	尾崎 典雅	
			2015A8066	BL3	尾崎 典雅	
35052	Takeshi Matsuoka	27 (2017) 109-118	2013B8062	BL3	佐野 智一	Development and Operation of a Sub Pico-Second X-Ray Diffraction Experimental Station for High-Pressure Science
			2013B8063	BL3	尾崎 典雅	
			2014A8045	BL3	尾崎 典雅	
			2014B8016	BL3	佐野 雄二	
			2014B8068	BL3	尾崎 典雅	
			2015A8023	BL3	Harmand Marion	
			2015A8066	BL3	尾崎 典雅	
			2015B8014	BL3	Harmand Marion	
			2015B8063	BL3	尾崎 典雅	
			2016A8065	BL3	尾崎 典雅	
			2016B8044	BL3	Hartley Nicholas	
2016B8083	BL3	奥地 拓生				
2016B8084	BL3	尾崎 典雅				

鉄と鋼 (Tetsu to Hagane)

35084	Iori Uwabe	103 (2017) 678-687	2014B1532	BL20XU	安田 秀幸	<i>In-situ</i> Measurement of Solute Partition Coefficient in Fe-Cr-Ni-Mo Alloys by using X-ray Imaging and X-ray Florescence Analysis
			2015A1608	BL20B2	安田 秀幸	
			2015B1466	BL20B2	安田 秀幸	
			2016A1331	BL20B2	安田 秀幸	
35132	Tomoya Nagira	103 (2017) 668-677	2014B1090	BL20XU	柳楽 知也	<i>In situ</i> Observations of Tensile and Compressive Deformations in Semi Solid Metallic Alloys using Time-Resolved X-ray Imaging
			2015A1318	BL20XU	柳楽 知也	
			2015B1055	BL20B2	柳楽 知也	
			2016B1084	BL20B2	柳楽 知也	

ACS NANO

34764	Kazuki Fukao	11 (2017) 12103-12110	2016A1254	BL40B2	野々山 貴行	Anisotropic Growth of Hydroxyapatite in Stretched Double Network Hydrogel
			2015B1140	BL40B2	中島 祐	

ACS Omega

34853	Masashi Ozaki	2 (2017) 7016-7021	2017A1703	BL19B2	浦野 年由	Solvent-Coordinated Tin Halide Complexes as Purified Precursors for Tin-Based Perovskites
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Acta Crystallographica Section B

35073	Tsunetomo Yamada	73 (2017) 1125-1141	2013A3786	BL22XU	山田 庸公	Atomic Structures of Ternary Yb-Cd-Mg Icosahedral Quasicrystals and a 1/1 Approximant
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Acta Crystallographica Section F

34705	Kazuya Hasegawa	73 (2017) 568-573	2011B2106	BL41XU	長谷川 和也	Crystallization and X-ray Analysis of 23 nm Virus-Like Particles from <i>Norovirus</i> Chiba Strain
			2011A2067	BL41XU	長谷川 和也	
			2011A2004	BL41XU	長谷川 和也	
			2012A1832	BL41XU	長谷川 和也	
			2012B1984	BL41XU	奥村 英夫	

Advanced 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
34855	Masahiro Nakano	29 (2017) 1602893	2014A1530	BL46XU	尾坂 格	Control of Major Carriers in an Ambipolar Polymer Semiconductor by Self-Assembled Monolayers

AIP Advances

35080	Masato Hoshino	7 (2017) 105122	2014B1859	BL28B2	四角 隆二	High-energy, High-resolution X-ray Imaging for Metallic Cultural Heritages
			2015B1829	BL28B2	四角 隆二	
			2016A1707	BL28B2	四角 隆二	
			2016B1815	BL28B2	四角 隆二	
			2017A1730	BL28B2	四角 隆二	
			2017B1762	BL28B2	四角 隆二	

American Geophysical Union Monograph

34671	Eiji Ohtani	217 (2016) 265-275	2013B0104	BL10XU	大谷 栄治	Stability of Hydrous Minerals and Water Reservoirs in the Deep Earth Interior
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Applied Catalysis B

35116	Toshitaka Tanabe	105 (2011) 41-49	2010A7001	BL33XU	長井 康貴	Operando X-ray Absorption Spectroscopy Study of Supported Pt Catalysts during NO Reduction by Hydrocarbon
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Applied Sciences

35036	Shingo Yamamoto	7 (2017) 662	2014A7401	BL07LSU	松田 巖	Measurement of the Resonant Magneto-Optical Kerr Effect Using a Free Electron Laser
			2014B7401	BL07LSU	松田 巖	
			2014B7473	BL07LSU	松田 巖	
			2015A7401	BL07LSU	松田 巖	
			2015B7401	BL07LSU	松田 巖	
				XFEL		

Archives of Disease in Childhood-Fetal and Neonatal Edition

34958	Jessica R. Crawshaw	(2017) Online published Oct. 20, 2017	2012B0047	BL20B2	Hooper Stuart	Laryngeal Closure Impedes Non-Invasive Ventilation at Birth
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ASME Proceedings

34843	Hiroyuki Tsuritani	(2017) IPACK2017-74177	2015B1566	BL20XU	岡本 佳之	<i>In-Situ</i> Monitoring via Synchrotron Radiation Laminography of Thermal Fatigue Cracks at Die-Attached Joints under Cyclic Energization Loading
			2016B1568	BL20XU	岡本 佳之	
			2017A1556	BL20XU	岡本 佳之	

Canadian Journal of Chemistry

35118	Masahiko Iyoda	95 (2017) 315-319	2013A0100	BL02B1	青柳 忍	Structures and Properties of Saturn-like Complexes Composed of Oligothiophene Macrocyclic with Methano[60]fullerene and [70]fullerene
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Catalysis Today

35125	Haruka Mitani	281 (2017) 669-676	2013A4501	BL15XU	増田 卓也	Catalytic Properties of Ni-Fe-Mg Alloy Nanoparticle Catalysts for Methanol Decomposition
			2014A4907	BL15XU	藤田 伸尚	
			2015B4901	BL15XU	田邊 豊和	

Cell Reports

34802	Tadayuki Ogawa	20 (2017) 2626-2638	2015A1048	BL41XU	小川 寛之	Mechanism of Catalytic Microtubule Depolymerization via KIF2-Tubulin Transitional Conformation
			2015A1048	BL32XU	小川 寛之	

Cell Research

35163	Go Kasuya	26 (2016) 1288-1301	2014A1091	BL41XU	石谷 隆一郎	Crystal Structures of the TRIC Trimeric Intracellular Cation Channel Orthologues
			2014A1061	BL32XU	服部 素之	
			2014A1093	BL32XU	瀧木 理	
			2014A1116	BL32XU	西澤 知宏	
			2014B1194	BL41XU	服部 素之	

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
35013	Kohsuke Mori	9 (2017) 3456-3462	2015B1083	BL01B1	森 浩亮	Palladium Copper Chromium Ternary Nanoparticles Constructed In situ within a Basic Resin: Enhanced Activity in the Dehydrogenation of Formic Acid
			2016A1095	BL01B1	森 浩亮	

Chemical Engineering Journal

34747	Satoru Katoh	324 (2017) 370-379	2014B5370	BL16B2	山口 聡	Characterization of Secondary Pores in Washcoat Layers and Their Effect on Effective Gas Transport Properties
			2015A5370	BL16B2	山口 聡	
			2015A7012	BL33XU	木村 英彦	
			2015B7112	BL33XU	山口 聡	
			2016A7112	BL33XU	山本 敏生	

Chemical Engineering Transactions

34749	Satoru Katoh	57 (2017) 1237-1242	2014B5370	BL16B2	山口 聡	Analyzing Gas Transport Phenomena in Secondary Pore of Washcoat Layer Determined by X-ray CT and Modeling
			2015A5370	BL16B2	山口 聡	
			2015A5371	BL16B2	山口 聡	
			2015A7012	BL33XU	木村 英彦	
			2015B7112	BL33XU	山口 聡	
			2016A7112	BL33XU	山本 敏生	
			2016B7031	BL33XU	堂前 和彦	

Chemical Science

34830	Kang Qian	6 (2015) 4587-4593	2014A0078	BL02B1	Iversen Bo	Does the Thermal Evolution of Molecular Structures Critically Affect the Magnetic Anisotropy?
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ChemSusChem

34854	Tamao Ishida	9 (2016) 3441-3447	2013B1598	BL14B2	大橋 弘範	Efficient Decarbonylation of Furfural to Furan Catalyzed by Zirconia-Supported Palladium Clusters with Low Atomcity
			2014A1534	BL14B2	大橋 弘範	
			2014B1897	BL14B2	大橋 弘範	
			2015A1702	BL14B2	大橋 弘範	

Chinese Journal of Catalysis

34974	Ayako Taketoshi	38 (2017) 1888-1898	2015B1781	BL14B2	村山 美乃	Preparation of Gold Clusters on Metal Oxides by Deposition-Precipitation with Microwave Drying and Their Catalytic Performance for CO and Sulfide Oxidation
			2015B1883	BL14B2	石田 玉青	
			2016A1521	BL14B2	村山 美乃	

Contributions to Mineralogy and Petrology

34615	Tomohiro Ohuchi	172 (2017) 65	2015A0075	BL04B1	入船 徹男	Flow Behavior and Microstructures of Hydrous Olivine Aggregates at Upper Mantle Pressures and Temperatures
			2010A0082	BL04B1	入船 徹男	

CrystEngComm

34657	Tetsushi Ohmura	19 (2017) 5173-5177	2016B3784	BL22XU	大村 哲陽	Supramolecular Porphyrin-Based Metal-Organic Frameworks: Cu(II) Naphthoate-Cu(II) Tetrapyrrolyl Porphine Structures Exhibiting Selective CO ₂ /N ₂ Separation
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Dalton Transactions

35064	Keisuke Hibino	46 (2017) 14947-14956	2015B1596	BL19B2	藤井 孝太郎	Structures, Electron Density and Characterization of Novel Photocatalysts, (BaTaO ₂ N) _{1-x} (SrWO ₂ N) _x Solid Solutions
			2014A1510	BL19B2	伊藤 孝憲	
			2014B1660	BL19B2	藤井 孝太郎	
			2015A1674	BL19B2	藤井 孝太郎	
			2015B1901	BL19B2	藤井 孝太郎	
			2016A1616	BL02B2	日比野 圭佑	
			2014B1922	BL19B2	藤井 孝太郎	

Drugs in R&D

34650	Kenji Egusa	17 (2017) 413-418	2013B1521	BL19B2	岡崎 文秋	Identification of Polymorphic Forms of Active Pharmaceutical Ingredient in Low-Concentration Dry Powder Formulations by Synchrotron X-Ray Powder Diffraction
			2012B1838	BL19B2	岡崎 文秋	
			2011B2028	BL19B2	江草 健司	

The Early Earth: Accretion and Differentiation

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
34801	Stéphane Labrosse	(2015) 123-142	2014A0080	BL10XU	廣瀬 敬	Fractional Melting and Freezing in the Deep Mantle and Implications for the Formation of a Basal Magma Ocean

Earth and Planetary Science Letters

34800	Yuko Mori	464 (2017) 135-141	2014A0080	BL10XU	廣瀬 敬	Melting Experiments on Fe-Fe ₃ S System to 254 GPa
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Electrochemistry

34711	Yasushi Idemoto	85 (2017) 660-666	2013A1283	BL02B2	井手本 康	Change of Average, Local Structures for 0.5Li ₂ MnO ₃ -0.5LiMn _{1/12} Ni _{5/12} Co _{1/6} O ₂ by Heat-Treatment under Vacuum
			2013B1120	BL02B2	井手本 康	
			2014B1473	BL04B2	井手本 康	
			2013B1549	BL14B2	井手本 康	

eLife

34704	Manabu Aoki	6 (2017) e28020	2014A1001	BL41XU	山本 雅貴	A Novel Central Nervous System-Penetrating Protease Inhibitor Overcomes Human Immunodeficiency Virus 1 Resistance with Unprecedented aM to pM Potency
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Evergreen

34720	Hongcheng Ruan	4 (2017) 7-11	2016B1591	BL14B2	西堀 麻衣子	Soot Oxidation Activity of Ag/HZSM-5 (Si/Al=40) Catalyst
			2016B1302	BL28B2	西堀 麻衣子	
			2015A1613	BL28B2	西堀 麻衣子	

Food Structure

34619	Yayoi Miyagawa	11 (2017) 8-15	2015B1626	BL19B2	中川 究也	Thermal and Structural Changes of Rapeseed Oil during Isothermal Storage at Low Temperature
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Fuel

34864	Jeeyeon Jeon	211 (2018) 572-581	2014B0111	BL40XU	文 石洙	Ambient Density Effects on Initial Flow Breakup and Droplet Size Distribution of Hollow-Cone Sprays from Outwardly-Opening GDI Injector
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Genes Cells

34778	Masako Koyama	22 (2017) 861-875	2012B1291	BL41XU	松浦 能行	Crystal Structure of the Xpo1p Nuclear Export Complex Bound to the SxFG/PxFG Repeats of the Nucleoporin Nup42p
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Inorganics

35090	Yusuke Sunada	5 (2017) 84	2016A1118	BL02B1	砂田 祐輔	Construction of a Planar Tetrapalladium Cluster by the Reaction of Palladium(0) Bis(isocyanide) with Cyclic Tetrasilane
			2016B1392	BL02B1	砂田 祐輔	
			2017A1400	BL02B1	砂田 祐輔	

ISIJ International

35093	Tao Li	56 (2016) 1989-1995	2011B1395	BL20XU	谷口 尚司	Three-dimensional Observation of Nonmetallic Inclusion Clusters in Solid Metal by X-ray Micro-CT
			2012B1448	BL20XU	谷口 尚司	

Journal of Applied Physics

34647	Shogo Mochizuki	122 (2017) 135705	2014A1329	BL13XU	酒井 朗	Quantification of Local Strain Distributions in Nanoscale Strained SiGe FinFET Structures
			2014B1549	BL13XU	酒井 朗	

The Journal of Biochemistry

35026	Tutomu Nakamura	162 (2017) 415-422	2016A2524	BL38B1	中村 努	Alteration of Molecular Assembly by Peroxiredoxins from Hyperthermophilic Archaea
			2016A6603	BL44XU	上垣 浩一	
			2016B6603	BL44XU	上垣 浩一	

The Journal of Biological 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
34630	Ai Kaneko	292 (2017) 15681-15690	2015B2058	BL38B1	橋本 渉	A Solute-Binding Protein in the Closed Conformation Induces ATP Hydrolysis in a Bacterial ATP-Binding Cassette Transporter Involved in the Import of Alginate
			2014B1137	BL38B1	橋本 渉	
			2014A1148	BL38B1	橋本 渉	
			2013B1260	BL38B1	橋本 渉	
			2013A1106	BL38B1	橋本 渉	

Journal of Computer Chemistry, Japan

34884	Taiga Suenaga	16 (2017) 108-109	2015A1127	BL04B2	高橋 修	Vibration Spectrum Calculation Method for Solid Organic Crystals by Spectral Analysis Method
			2015B1198	BL10XU	高橋 修	
			2016A4268	BL12XU	高橋 修	

Journal of Crystal Growth

34689	Takuma Nakamura	477 (2017) 123-126	2013B1592	BL14B2	黒田 眞司	Structural and Magnetic Properties of (Zn,Fe)Te Thin Films Grown by MBE under Zn-Rich Flux Condition
			2014A1556	BL14B2	黒田 眞司	
			2014B1611	BL14B2	黒田 眞司	

Journal of Dental Research

34757	Kiyota Ganeko	94 (2015) 1684-1690	2014A1019	BL20B2	細川 隆司	Bone Aging by Advanced Glycation End Products: A Multiscale Mechanical Analysis
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Journal of Electronic Materials

35127	Yosuke Fujii	(2017) online published 21 Nov. 2017	2014B1334	BL02B2	小菅 厚子	High-Temperature Formation Phase and Crystal Structure of Hot-Pressed Thermoelectric CuGaTe ₂ with Chalcopyrite-Type Structure
			2015A1363	BL02B2	小菅 厚子	
			2015B1377	BL02B2	小菅 厚子	

Journal of Geophysical Research

34663	Izumi Mashino	121 (2016) 595-609	2013B0104	BL10XU	大谷 栄治	Sound Velocities of δ -AlOOH up to Core-Mantle Boundary Pressures with Implications for the Seismic Anomalies in the Deep Mantle
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Journal of Molecular Liquids

34809	Kazuhisa Yano	248 (2017) 468-472	2015A1175	BL35XU	矢野 一久	Investigation of Collective Dynamics of Solvent Molecules in Nanofluids by Inelastic X-ray Scattering
			2015B1272	BL35XU	矢野 一久	

Journal of Oleo Science

34994	Junji Matsuoka	66 (2017) 1285-1291	2014B7260	BL03XU	権藤 聡	Structure of the Microemulsion of Polyglycerol Polyricinoleate Encapsulating Vitamin E
			2014A1815	BL19B2	笠間 勇輝	

Journal of Paleontology

34683	Sachiko Agematsu	91 (2017) 1220-1227	2014B1442	BL20B2	上松 佐知子	Reconstruction of the Multielement Apparatus of the Earliest Triassic Conodont, <i>Hindeodus parvus</i> , using Synchrotron Radiation X-ray Micro-Tomography
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Journal of Physics and Chemistry of Solids

35092	Kousuke Nishimura	75 (2014) 710-712	2008A1725	BL02B2	西村 浩輔	High-Pressure Synthesis of BaVO ₃ : A New Cubic Perovskite
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Journal of Physics D: Applied Physics

35155	Takashi Suemasu	50 (2017) 023001	2014A4902	BL15XU	木村 昭夫	Exploring the Potential of Semiconducting BaSi ₂ for Thin-Film Solar Cell Applications
			2015A4907	BL15XU	木村 昭夫	
			2015B4906	BL15XU	木村 昭夫	

The Journal of Physiology

34954	Justin A. R. Lang	595 (2017) 1593-1606	2012B0047	BL20B2	Hooper Stuart	Vagal Denervation Inhibits the Increase in Pulmonary Blood Flow during Partial Lung Aeration at Birth
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Journal of Power Sources

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
35188	Yasushi Idemoto	378 (2018) 198-208	2014B1932	BL14B2	井手本 康	Effect of Operating Temperature on Local Structure during First Discharge of 0.4Li ₂ MnO ₃ -0.6LiMn _{1/3} Ni _{1/3} Co _{1/3} O ₂ Electrodes
			2015A1544	BL04B2	井手本 康	
			2015B1280	BL04B2	井手本 康	
			2015B1576	BL14B2	井手本 康	

Journal of Real-Time Image Processing

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
34980	Muhammad Islam	12 (2016) 43-54	2012A1322	BL20B2	Kitchen Marcus	GPU Accelerated Regional Lung Air Volume Measurements from Phase Contrast X-ray Images
			2012B0047	BL20B2	Hooper Stuart	

Journal of Surface Analysis

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
35191	Satoshi Yasuno	24 (2017) 136-140	2014B1640	BL46XU	安野 聡	Evaluation of Potential Distribution in Channel Region of Amorphous InGaZnO Thin Film Transistor by Bias Applied Hard X-ray Photoelectron Spectroscopy
			2013A1320	BL46XU	小金澤 智之	
			2015B1602	BL46XU	安野 聡	
			2016A1517	BL46XU	安野 聡	
			2016A1762	BL46XU	安野 聡	
			2016B1555	BL46XU	安野 聡	

Journal of the American Ceramic Society

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
35069	Fumio Kawamura	101 (2018) 949-956	2012A1158	BL10XU	遊佐 斉	Synthesis of Hexagonal Phases of WN and W _{2.25} N ₃ by High-Pressure Metathesis Reaction
			2012A1136	BL04B2	遊佐 斉	
			2017A1285	BL10XU	遊佐 斉	

JPS Conference Proceedings

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
34726	Masayuki Niyama	13 (2017) 020009	2015B6101	BL31LEP	村松 憲仁	Status and Prospects of LEPS2 Solenoid Spectrometer
			2015A6101	BL31LEP	村松 憲仁	
			2014B6101	BL31LEP	村松 憲仁	
			2014A6101	BL31LEP	村松 憲仁	
			2016A6101	BL31LEP	村松 憲仁	

Macromolecules

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
34734	Hiroshi Danjo	50 (2017) 8028-8032	2016A1104	BL38B1	檀上 博史	Proton-Induced Assembly-Disassembly Modulation of Spiroborate Twin-Bowl Polymers Bearing Pyridyl Groups

MATEC Web of Conference

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
34850	Makoto Kasai	130 (2017) 03004	2015A1992	BL14B2	笠井 誠	Synthesis and Evaluation of Zeolite Surface-Modified Perlite
			2015B1595	BL14B2	笠井 誠	
			2016A1540	BL14B2	笠井 誠	

Materials Research 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
34820	Akane Agui	4 (2017) 106108	2016B1327	BL08W	安居院 あかね	Magnetic Compton Profile Evaluation of Magnetization Process of Tb _x Co _{100-x} Films
			2016A1111	BL08W	安居院 あかね	
			2015B1136	BL08W	安居院 あかね	
			2015B1138	BL39XU	安居院 あかね	

Materials Science Forum

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
34893	Yujiro Hayashi	905 (2017) 157-164	2014B7002	BL33XU	林 雄二郎	Scanning Three-Dimensional X-Ray Diffraction Microscopy with a High-Energy Microbeam at SPring-8
			2015A7002	BL33XU	林 雄二郎	
			2015B7002	BL33XU	林 雄二郎	

Medical 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
35134	Nobuteru Nariyama	44 (2017) 6654-6660	2014A1068	BL28B2	成山 展照	Scanning of Parallel-Plate Ionization Chamber and Diamond Detector for Measurements of Water-Dose Profiles in the Vicinity of a Narrow X-ray Microbeam
			2015A1923	BL28B2	成山 展照	
			2016A1721	BL28B2	成山 展照	

Micron

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
34945	Rino Saiga	105 (2018) 64-69	2008B1261	BL47XU	水谷 隆太	Method for Estimating Modulation Transfer Function from Sample Images
			2017A1143	BL37XU	水谷 隆太	

Microporous and Mesoporous 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
34783	Ce Peng	255 (2018) 192-199	2015A0115	BL04B2	脇原 徹	Preparation of Nanosized SSZ-13 Zeolite with Enhanced Hydrothermal Stability by a Two-Stage Synthetic Method

Mineralogical Magazine

35089	Akio Suzuki	73 (2009) 479-485	2006A1464	BL04B1	鈴木 昭夫	Compressibility of the High-Pressure Polymorph of AlOOH to 17 GPa
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Molecular Crystals and Liquid Crystals

35001	Ichiro Hirose	654 (2017) 47-52	2012A1748	BL46XU	小金澤 智之	Molecular Alignments of σ Phase in Co-evaporated Pentacene and Perfluoropentacene Film on SiO ₂ Studied by Grazing-Incidence X-ray Diffraction
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Molecules

34865	Siti Nor Hasmah Ishak	22 (2017) 1574	2013A6864	BL44XU	Raja Abd Rahman Raja Noor Zailha	Molecular Dynamic Simulation of Space and Earth-Grown Crystal Structures of Thermostable T1 Lipase <i>Geobacillus zailhae</i> Revealed a Better Structure
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Nano Letters

35195	Kazuo Tsutsui	17 (2017) 7533-7538	2014B1819	BL25SU	筒井 一生	Individual Atomic Imaging of Multiple Dopant Sites in As-Doped Si Using Spectro-Photoelectron Holography
			2016A1261	BL25SU	筒井 一生	

Nanoscale

35121	Hsin-Yi Tiffany Chen	9 (2017) 7207-7216	2017A4134	BL12B2	Chen Tsan Yao	Heterogeneous Cu-Pd Binary Interface Boosts Stability and Mass Activity of Atomic Pt Clusters in the Oxygen Reduction Reaction
			2017B4137	BL12B2	Chen Tsan Yao	

Nature Geoscience

34614	Tomohiro Ohuchi	10 (2017) 771-776	2015A0075	BL04B1	入船 徹男	Intermediate-Depth Earthquakes Linked to Localized Heating in Dunite and Harzburgite
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Nature Structural and Molecular Biology

34911	Yusuke Sato	24 (2017) 911-919	2016A2567	BL41XU	深井 周也	Structural Basis for Specific Cleavage of Lys6-Linked Polyubiquitin Chains by USP30
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Nucleic Acids Research

34617	Ying-Ren Wang	45 (2017) 10861-10871	2014A4008	BL12B2	Chan Nei Li	Producing Irreversible Topoisomerase II-Mediated DNA Breaks by Site-Specific Pt(II)-Methionine Coordination Chemistry
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Optical Materials

34886	Aya Torimoto	73 (2017) 517-522	2016A0130	BL01B1	小原 真司	Emission Properties of Ce-Doped Alkaline Earth Borate Glasses for Scintillator Applications
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Optics Express

34982	Freda Werdiger	24 (2016) 10620-10634	2014B1522	BL20B2	Kitchen Marcus	Generalised Cornu Spirals: an Experimental Study using Hard X-rays
			2012B0047	BL20B2	Hooper Stuart	

Optics Letters

35071	Yu-Hsin Wu	42 (2017) 2575-2578	2015B4259	BL12XU	Chang Shih Lin	High-Resolution Monochromator using a High-Efficiency Single-Mode X-ray Resonator at Laue Incidence
			2016A4263	BL12XU	Chang Shih Lin	
			2017A4261	BL12XU	Chang Shih Lin	

Pediatric Research

34955	Andreas W. Flemmer	82 (2017) 536-543	2012B0047	BL20B2	Hooper Stuart	Lung Hypoplasia in Newborn Rabbits with a Diaphragmatic Hernia Affects Pulmonary Ventilation but not Perfusion
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Physica B

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
35078	Satoshi Tsutsui	(2017) Available online 22 Sep. 2017	2016A1281	BL35XU	筒井 智嗣	Inelastic X-ray Scattering of RTA_3 ($R = \text{La, Ce, T} = \text{Cu, Au}$)
			2015B1550	BL35XU	筒井 智嗣	
			2015A1235	BL35XU	筒井 智嗣	
			2014B1052	BL35XU	筒井 智嗣	
			2013A1903	BL35XU	筒井 智嗣	
2016A1413	BL09XU	筒井 智嗣				

Physica C

34941	Katsuya Shimizu	514 (2015) 46-49	2014B0112	BL10XU	清水 克哉	Superconductivity from Insulating Elements under High Pressure
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Physical Chemistry Chemical Physics

34739	Felix Lehmkuhler	19 (2017) 28470-28475	2016B1303	BL08W	Lehmkuehler Felix	Temperature Dependence of the Hydrogen Bond Network in Trimethylamine <i>N</i> -oxide and Guanidine Hydrochloride-Water Solutions
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Physical Review A

35028	Dongdong Ni	96 (2017) 012518	2016A4265	BL12XU	Zhu LinFan	Comparative Study of the Low-Lying Valence Electronic States of Carbon Dioxide by High-Resolution Inelastic X-ray and Electron Scattering
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Physical Review Applied

35131	Yusaku Maeda	7 (2017) 034012	2014B1468	BL02B2	黒岩 芳弘	Improper Ferroelectricity in Studied Aluminate Sodalite for Pyroelectric Energy Harvesting
			2015A1425	BL02B2	谷口 博基	
			2015A0074	BL02B2	森吉 千佳子	

Physics of Particles and Nuclai

34733	Hideki Kohri	48 (2017) 63-68	2015A6001	BL33LEP	堀田 智明	Comparison between $\bar{u}u$ and $\bar{d}d$ Productions by the $\gamma p \rightarrow \pi^+ \Delta^{++}$ and $\pi^+ \Delta^0$ Reactions at Forward π Angles at $E_\gamma = 1.5\text{-}3.0$ GeV
			2014B6001	BL33LEP	堀田 智明	
			2014A6001	BL33LEP	堀田 智明	
			2013B6001	BL33LEP	堀田 智明	
			2013A6001	BL33LEP	堀田 智明	
			2012B6001	BL33LEP	堀田 智明	
			2012A6001	BL33LEP	堀田 智明	
			2011B6001	BL33LEP	堀田 智明	
2011A6001	BL33LEP	堀田 智明				

Physics of the Earth and Planetary Interiors

34661	Kosui Watanabe	237 (2014) 65-72	2013B0104	BL10XU	大谷 栄治	The Abundance of Potassium in the Earth's Core
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Plant Physiology and Biochemistry

34856	Bodin Mongkhonsin	109 (2016) 549-560	2010A1368	BL37XU	保倉 明子	Phenolic Compounds Responding to Zinc and/or Cadmium Treatments in <i>Gynura pseudochina</i> (L.) DC. Extracts and Biomass
			2010A1673	BL37XU	中井 泉	

Plasma and Fusion Research

35094	Hitoki Yoneda	12 (2017) 1301046	2011B1354	BL08W	米田 仁紀	Compton Scattering Measurement to Detect Momentum Distribution of Electrons in Warm Dense Matter
			2012B1507	BL08W	米田 仁紀	
			2013A1504	BL08W	米田 仁紀	
			2013B1450	BL08W	米田 仁紀	

Polymer

34706	Kei Mito	128 (2017) 373-378	2015B1140	BL40B2	中島 祐	Supramolecular Hydrogels with Multi-Cylindrical Lamellar Bilayers: Swelling-Induced Contraction and Anisotropic Molecular Diffusion
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Polymer Journal

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
34690	Toshiji Kanaya	49 (2017) 831-837	2013A1408	BL40B2	金谷 利治	Role of Molecular Weight in Shish-Kebab Formation during Drawing by Small-Angle Neutron and X-ray Scattering
			2013B1345	BL40B2	金谷 利治	
			2014B1256	BL40B2	金谷 利治	

Powder Diffraction

34646	Vadim Efimov	32 (2017) S151-S154	2015B1176	BL01B1	Sikolenko Vadim	Anomalous Behavior of Displacement Correlation Function and Strain in Lanthanum Cobalt Oxide Analyzed Both from X-ray Powder Diffraction and EXAFS Data
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Proceedings of the 6th Decennial International Conference on Solidification Processing

35085	Hideyuki Yasuda	(2017) 431-433	2015A1642	BL20B2	安田 秀幸	Massive-Like Transformation in Fe-Cr-Ni Alloys: In-situ and Time-Resolved Observation
			2016A1367	BL20XU	安田 秀幸	

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

34781	Zhendong Liu	113 (2016) 14267-14271	2015A0115	BL04B2	脇原 徹	Continuous Flow Synthesis of ZSM-5 Zeolite on the Order of Seconds
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Progress in Earth and Planetary Science

34673	Takanori Sakairi	4 (2017) 10-21	2013B0104	BL10XU	大谷 栄治	Melting Relations in the Fe-S-Si System at High Pressure and Temperature: Implications for the Planetary Core
			2016B1494	BL10XU	大谷 栄治	

Proteins: Structure, Function, and Bioinformatics

35091	Youichi Naoe	85 (2017) 2217-2230	2014A1394	BL41XU	杉本 宏	Structural Basis for Binding and Transfer of Heme in Bacterial Heme-Acquisition Systems
			2014B1389	BL41XU	杉本 宏	
			2015A1120	BL32XU	杉本 宏	
			2017A2575	BL41XU	杉本 宏	
			理研	BL26B2		
理研	BL26B1					

Review of Scientific Instruments

34718	Longjian Xie	88 (2017) 093904	2015A1771	BL04B1	Xie Longjian	Synthesis of Boron-Doped Diamond and its Application as a Heating Material in a Multi-Anvil High-Pressure Apparatus
			2016A1651	BL04B1	Xie Longjian	
			2016B1686	BL04B1	Xie Longjian	

SAE Technical Paper

35006	Daisuke Hayashi	(2017) 2017-01-1188	2015B7112	BL33XU	山口 聡	Synchrotron X-Ray Visualization and Simulation for Operating Fuel Cell Diffusion Layers
			2015A7109	BL33XU	鈴木 孝尚	
			2015B7109	BL33XU	鈴木 孝尚	
			2014B7109	BL33XU	鈴木 孝尚	
			2016B7031	BL33XU	堂前 和彦	

Structural Dynamics

34751	Sascha Epp	4 (2017) 054308	2016A8036	BL3	Miller Dwayne	Time Zero Determination for FEL Pump-Probe Studies Based on Ultrafast Melting of Bismuth
			2016B8052	BL3	Miller Dwayne	

Structure

34627	Kai-En Chen	23 (2015) 653-664	2014A4003	BL12B2	Wang Andrew	Substrate Specificity and Plasticity of FERM-Containing Protein Tyrosine Phosphatases
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Thin Solid Films

34949	Junichi Nomoto	644 (2017) 33-40	2016B1588	BL19B2	野本 淳一	Characteristics of the Orientation Distribution and Carrier Transport of Polycrystalline Al-doped ZnO Films Prepared by Direct Current Magnetron Sputtering
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Toxicology and Applied Pharmacology

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
34863	Kentaro Nishida	337 (2017) 76-84	2013B1730	BL37XU	石田 竜弘	Liposomalization of Oxaliplatin Induces Skin Accumulation of it, but Negligible Skin Toxicity
			2014A1707	BL37XU	石田 竜弘	
			2014B1810	BL37XU	石田 竜弘	
			2014B1813	BL40B2	石田 竜弘	
			2015A1860	BL37XU	石田 竜弘	
			2015A1876	BL40B2	石田 竜弘	
			2015B1811	BL37XU	石田 竜弘	
2016A1307	BL37XU	石田 竜弘				

Vacuum

35124	Kuniyuki Kakushima	140 (2017) 14-18	2006A0195	BL47XU	吉丸 正樹	Infrared Spectroscopic Analysis of Reactively Formed La-Silicate Interface Layer at La ₂ O ₃ /Si Substrates
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固体物理 (Solid State Physics)

34748	Shinichi Nakamura	52 (2017) 551-558	2016B3561	BL11XU	中村 真一	Crystal-Site-Selective Spectrum Obtained by Synchrotron Mössbauer Diffraction
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電気学会論文誌A (IEEJ Transactions on Fundamentals and Materials)

34999	Akinobu Yamaguchi	137 (2017) 487-488	2013B1735	BL25SU	山口 明啓	Magnetoresistance of NiCu Micro-Wires Fabricated on a LiNbO ₃ Substrate
			2014B1398	BL25SU	山口 明啓	
			2016A1252	BL17SU	山口 明啓	
			2016B1305	BL17SU	山口 明啓	

銅と銅合金 (Journal of Japan Institute of Copper)

35068	Michio Okada	56 (2017) 232-236	2015B3870	BL23SU	岡田 美智雄	Oxidation Processes of Copper-Gold Alloy Surface Induced by Supersonic Oxygen Molecular Beam
			2016A3820	BL23SU	岡田 美智雄	
			2016A3801	BL23SU	吉越 章隆	
			2016B3831	BL23SU	岡田 美智雄	
			2016B3801	BL23SU	吉越 章隆	

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

34857	Yoshitomo Kamiura	81 (2017) 510-515	2010B3806	BL23SU	上浦 良友	Characterization of Polycrystalline Tungsten Surfaces Irradiated with Nitrogen Ions by X-ray Photoelectron Spectroscopy
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日本化粧品技術者会誌 (Journal of Society of Cosmetic Chemists of Japan)

34678	Tomomitsu Kawai	51 (2017) 230-236	2012B1366	BL20XU	井上 敬文	Imaging of Photo-Damaged Hair with a Differential Phase Scanning X-Ray Microscopy
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日本結晶学会誌 (Journal of the Crystallographic Society of Japan)

35066	Shinya Tsukada	59 (2017) 205-206	2016A3620	BL14B1	塚田 真也	Dynamics of Inhomogeneity on BaTiO ₃
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日本ゴム協会誌 (Journal of the Society of Rubber Science and Technology, Japan)

34756	Yoshimasa Yamamoto	90 (2017) 470-474	2013B1550	BL19B2	河原 成元	Dispersed Structure of Filler and Properties of Vulcanized Natural Rubber, Isoprene Rubber and Deproteinized Natural Rubber Filled with Carbon Black
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粉体および粉末冶金 (Journal of the Japan Society of Powder and Powder Metallurgy)

34674	Naoto Kitamura	64 (2017) 489-494	2011A1853	BL19B2	井手本 康	Defect-Distribution Simulation of Crystalline Oxide by Neutron and Synchrotron X-Ray Total Scattering Measurements
			2013B1167	BL04B2	井手本 康	

博士論文 (大阪大学)

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
34712	Xinyue Jiang	(2017)	2014B1087	BL40B2	寺尾 憲	Conformation and Dynamics of Cellulosic and Amylosic Chains in Solution
			2015A1179	BL40B2	寺尾 憲	
			2015B1100	BL40B2	寺尾 憲	
			2015B1674	BL40B2	高橋 倫太郎	
			2016A1053	BL40B2	寺尾 憲	
34713	Yan Li	(2017)	2015B1674	BL40B2	高橋 倫太郎	Conformations of Globular Protein-Surfactant Complexes Formed in Aqueous Solution
			2016A1053	BL40B2	寺尾 憲	

博士論文 (University of New South Wales)

34753	Yi Zhang	(2016)	2014A1026	BL35XU	Conibeer Gavin	Study on III-V Materials for Hot Carrier Solar Cell Absorbers
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博士論文 (東京大学)

34858	Kosuke Yamazoe	(2017)	2017A7538	BL07LSU	山添 康介	Hydrogen-bonding Configuration of Water in Polyelectrolyte Brushes Studied by Soft X-ray Emission Spectroscopy
			2016A7507	BL07LSU	田中 賢	
			2015B7403	BL07LSU	原田 慈久	

博士論文 (名古屋大学)

35003	Satoru Katoh	(2017)	2014B5370	BL16B2	山口 聡	Gas Transport Phenomena in Automotive Catalytic Converter
			2015A5370	BL16B2	山口 聡	
			2015A5371	BL16B2	山口 聡	
			2015A7012	BL33XU	木村 英彦	
			2015B7112	BL33XU	山口 聡	
			2016A7112	BL33XU	山本 敏生	
			2016B7031	BL33XU	堂前 和彦	

博士論文 (横浜国立大学)

35154	Toshihiro Takekawa	(2016)	2014B5091	BL16XU	渡邊 学	Research on Electrolyte Materials Applicable to High Capacity Secondary Batteries using Si Anode
			2015A5390	BL16XU	高尾 直樹	
			2015B5091	BL16XU	竹川 寿弘	

課題以外の成果として登録された論文

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

研究成果番号	主著者	雑誌情報		ビームライン	タイトル
35038	Ryo Hazama	45 (2017) 513-517	装置&技術	SACLA	Anomalous Uniaxial Compression of Interlayer Distance in Highly Oriented Pyrolytic Graphite
35039	Yoshinori Nishino	45 (2017) 508-512	装置&技術	SACLA	Nano-Imaging under Controlled Environment Using SACLA
35040	Hitoki Yoneda	45 (2017) 503-507	装置&技術	SACLA	Development of the Shortest Wavelength Atomic State Lasers
35041	Hironobu Fukuzawa	45 (2017) 498-502	装置&技術	SACLA	Novel Phenomena in Clusters Irradiated by Short-Wavelength Free-Electron Lasers
35042	Mizuho Fushitani	45 (2017) 493-497	装置&技術	SACLA	Ultrafast Multiphoton Manipulation of Quantum States by Intense Laser Pulses
35043	Takayuki Yamazaki	45 (2017) 488-492	装置&技術	SACLA	Vacuum Physics Using X-Ray Free Electron Laser
35044	Norimasa Ozaki	45 (2017) 480-487	装置&技術	SACLA	High Pressure Researches Using High-Power Lasers and XFELs
35045	Michihiro Suga	45 (2017) 475-479	装置&技術	SACLA	Atomic Structure and Water-splitting Reaction Mechanism of Photosystem II Revealed by X-ray Free Electron Laser
35047	Shunsuke Nozawa	45 (2017) 470-474	装置&技術	SACLA	Direct Observation of the Forming Process of Chemical Bonds by a Short Pulse of XFEL
35048	Yoshikazu Tanaka	45 (2017) 465-469	装置&技術	SACLA	Ultrafast Observation of Magnetic Material Sr ₂ IrO ₄ with Short-Pulse X-ray Free-Electron Laser
35049	Yuichi Inubushi	45 (2017) 345-350	装置&技術	SACLA	XFEL Nano-Focusing and Its Applications at SACLA

Physical Review B

研究成果番号	主著者	雑誌情報		ビームライン	タイトル
35059	A. K. Efimenko	96 (2017) 195112		BL12XU	Electronic Signature of the Vacancy Ordering in NbO(Nb ₂ O ₃)
35062	Yuki Utsumi	96 (2017) 155130		BL12XU	Bulk and Surface Electronic Properties of SmB ₆ : A Hard X-ray Photoelectron Spectroscopy Study
35190	M. Toufarová	96 (2017) 214101	SCSS		Contrasting Behavior of Covalent and Molecular Carbon Allotropes Exposed to Extreme Ultraviolet and Soft X-ray Free-Electron Laser Radiation

Proceedings of SPIE

34736	Kentaro Uesugi	9967 (2016) 99670V	装置&技術	BL20B2	Development of Micro-Tomography System for Materials Science at SPring-8
34844	Taro Sakao	9963 (2016) 99630L	装置&技術	BL29XU	Progress in Precision Wolter Mirrors for Soft X-ray Observations of the Sun
35034	Hiroto Motoyama	10386 (2017) 1038609	光源光学	SACLA	Optical Design of a Sub-1- μ m Focusing System for Soft X-ray Free Electron Lasers

Scientific Reports

34741	Hiroki Omura	6 (2016) 34756	理研	BL32XU	Structural and Functional Analysis of DDX41: a Bispecific Immune Receptor for DNA and Cyclic Dinucleotide
35031	Nozomu Hiraoka	7 (2017) 15494	その他	BL12XU	Electron Momentum Densities Near Dirac Cones: Anisotropic Umklapp Scattering and Momentum Broadening
35166	Hirokatsu Yumoto	7 (2017) 16408	XFEL		Ellipsoidal Mirror for Two-Dimensional 100-nm Focusing in Hard X-ray Region
			光学系	BL29XU	

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

35037	Yuichi Inubushi	27 (2017) 102-108	一般	SACLA	Current Status of SACLA
35050	Kohei Miyanishi	27 (2017) 137-143		SACLA	Phase Transitions and Melting in Magnesium Oxide
35053	Toshimori Sekine	27 (2017) 94-101		SACLA	Principles for Shock Compression and Ultrahigh Pressure Behaviors of Earth and Planetary Materials

Chemical Physics

34680	T. Ouchi	482 (2017) 244-248		BL27SU	Interatomic Coulombic Decay and Electron-Transfer-Mediated Decay Following Triple Ionization of N ₂ and NeAr
34731	T. Ouchi	482 (2017) 178-184		BL27SU	Ion Pair Formation in the NeAr Dimer Irradiated by Monochromatic Soft X-rays

Nature Communications

35162	Zhen Chen	7 (2016) 13640	理研	BL45XU	A Design Principle of Polymers Processable into 2D Homeotropic Order
35186	Takeshi Yajima	7 (2016) 13809		BL01B1	Selective and Low Temperature Transition Metal Intercalation in Layered Tellurides
				BL02B2	

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

34758	Eriko Nango	30 (2017) 218-227	XFEL		A Three-Dimensional Movie of Structural Changes in Bacteriorhodopsin Captured by X-ray Free Electron Lasers
34759	Michihiro Suga	30 (2017) 228-234	装置&技術		Intermediate Structure and Oxygen-Evolving Mechanism of Photosystem II Revealed by Serial Femtosecond Crystallography

Acta Crystallographica Section A

35183	Yukio Takahashi	74 (2018) 66-70	装置&技術	BL29XU	Multislice Imaging of Integrated Circuits by Precession X-ray Ptychography
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Applied Sciences

35033	Toshiaki Inada	7 (2017) 671	装置&技術	SACLA	Probing Physics in Vacuum using an X-ray Free-Electron Laser, a High-Power Laser, and a High-Field Magnet
			理研	BL19XU	

Applied Surface Science

研究成果番号	主著者	雑誌情報		ビームライン	タイトル
34826	Mykhailo Vorokhta	396 (2017) 278-283		BL15XU	PLD Prepared Nanostructured Pt-CeO ₂ Thin Films Containing Ionic Platinum

Biochemical and Biophysical Research Communications

34709	Kazue Terakawa	479 (2016) 489-495	理研	BL26B2	Lysosome-Associated Membrane Proteins-1 and -2 (LAMP-1 and LAMP-2) Assemble via Distinct Modes
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Chemistry - A European Journal

34742	Yuta Takaki	22 (2016) 16760-16764	理研	BL45XU	Synthesis and Self-Assembly of Cyclic 2,7-Anthrylene Ethynylene 1,3-Phenylene Ethynylene Trimer with a Planar Conformation
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The European Physical Journal - Special Topics

35060	Chang-Yang Kuo	226 (2017) 2445-2456		BL12XU	Challenges from Experiment: Electronic Structure of NiO
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Inorganic Chemistry

35061	Olga Sichevych	56 (2017) 9343-9352		BL12XU	Intermediate-Valence Ytterbium Compound Yb ₄ Ga ₂₄ Pt ₆ : Synthesis, Crystal Structure, and Physical Properties
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IUCrJ

35035	Taito Osaka	4 (2017) 728-733	XFEL		Characterization of Temporal Coherence of Hard X-ray Free-Electron Laser Pulses with Single-Shot Interferograms
			理研	BL29XU	

Journal of Crystal Growth

34823	Natsuo Tatsumi	458 (2017) 27-30	理研	BL29XU	Behavior of Crystal Defects in Synthetic Type-IIa Single-Crystalline Diamond at High Temperatures under Normal Pressure
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Journal of Luminescence

35187	Ho Van Tuyen	184 (2017) 83-88		BL33XU	Fluorescence Properties of Valence-Controlled Eu ²⁺ and Mn ²⁺ Ions in Aluminosilicate Glasses
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Journal of Magnetism and Magnetic Materials

35056	Ashish Chhaganlal Gandhi	424 (2017) 221-225		BL12B2	Exchange Bias in Finite Sized NiO Nanoparticles with Ni Clusters
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Journal of Physics B: Atomic, Molecular and Optical Physics

35072	James Harries	46 (2013) 164021	SCSS		Towards Coherent Control of SASE Pulses using Propagation through Helium Gas at Wavelengths Corresponding to Double Excitation
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Journal of Physics: Condensed Matter

35055	Ashish Chhaganlal Ganghi	29 (2017) 175802		BL12B2	Magnetocrystalline Two-Fold Symmetry in CaFe ₂ O ₄ Single Crystal
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Journal of Physics: Conference Series

35058	Martin Sundermann	807 (2017) 022001		BL12XU	Ce 3p Hard X-ray Photoelectron Spectroscopy Study of the Topological Kondo Insulator CeRu ₄ Sn ₆
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Journal of Solid State Chemistry

34735	Keiji Itoh	246 (2017) 372-378		BL04B2	Structure of Se-Te Glasses Studied using Neutron, X-ray Diffraction and Reverse Monte Carlo Modelling
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Journal of the Ceramic Society of Japan

研究成果番号	主著者	雑誌情報		ビームライン	タイトル
34761	Shinji Kohara	125 (2017) 799-807	装置&技術	BL01B1	Atomistic and Electronic Structures of Functional Disordered Materials Revealed by a Combination of Quantum-Beam Measurements and Computer Simulations
			装置&技術	BL04B2	
			装置&技術	BL02B1	
			装置&技術	BL08W	

Journal of the European Optical Society-Rapid Publications

35153	Kiyofumi Matsuda	12 (2016) 25		BL20XU	A Microscope using Zernike's Phase Contrast Method and a Hard X-ray Gabor Hologram
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Journal of the Physical Society of Japan

35070	Chiaki Ohae	85 (2016) 034301	SCSS		Simultaneous Measurements of Superradiance at Multiple Wavelength from Helium Excited States: II. Analysis
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Langmuir

34715	Satoshi Aya	32 (2016) 10545-10550	理研	BL45XU	Thermodynamically Anchoring-Frustrated Surface to Trigger Bulk Discontinuous Orientational Transition
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Light: Science & Applications

35165	Le Wang	5 (2016) e16155		BL37XU	Ca _{1-x} Li _x Al _{1-x} Si _{1+x} N ₃ :Eu ²⁺ Solid Solutions as Broadband, Color-Tunable and Thermally Robust Red Phosphors for Superior Color Rendition White Light-Emitting Diodes
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Materials

35057	You-Yun Li	10 (2017) 380		BL12B2	Investigation of the Defect Structure of Congruent and Fe-Doped LiNbO ₃ Powders Synthesized by the Combustion Method
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Materials Transactions

34836	Yasushi Enokido	57 (2016) 1960-1965		BL02B2	Effects of Grain Boundary Phase on Coercivity of Dysprosium-Free Rare Earth Magnet
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Neuroscience Research

35176	Yuko Tsukamoto	117 (2017) 48-53		BL28B2	Cilostazol Protects against Microvascular Brain Injury in a Rat Model of Type 2 Diabetes
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Optics Letters

34839	Takahiro Tanaka	42 (2017) 4776-4779	フロントエンド	BL1	Compact Bolometric Radiometer for Free-Electron Lasers in Wavelength Range from Extreme-Ultraviolet to X-rays
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Polymer

34766	Yuan Yuan	105 (2016) 88-95		BL40B2	Preparation of Poly(3-butylthiophene) Form II Crystal by Low-Temperature Aging and a Proposal for Form II-to-Form I Transition Mechanism
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Proceedings of the National Academy of Sciences of the United States of America

34825	Xin Jiang	113 (2016) 12420-12425	理研	BL32XU	Crystal Structure of a LacY-Nanobody Complex in a Periplasmic-Open Conformation
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Protein Science

34779	Masako Koyama	26 (2017) 1870-1877	理研	BL26B2	Crystal Structure of Human WBSCR16, an RCC1-like Protein in Mitochondria
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