

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 28 年 1 月～3 月に登録されたものを以下に紹介します。論文の情報 (主著者、巻、発行年、ページ、タイトル) に加え、データベースの登録番号 (研究成果番号) を掲載していますので、詳細は上記検索ページの検索結果画面でご覧いただくことができます。また実施された課題の情報 (課題番号、ビームライン、実験責任者名) も掲載しています。課題番号は最初の 4 文字が「year」、次の 1 文字が「term」、後ろの 4 文字が「proposal no.」となっていますので、この情報から以下の URL で公表している、各課題の英文利用報告書 (SPring-8 User Experiment Report) を探してご覧いただくことができます。

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

今後も利用者情報には発行月の 2 ヶ月前の月末締めで、前号掲載分以降に登録された論文情報を掲載していく予定です。なお、データベースは毎日更新されていますので、最新情報は SPring-8 論文データベース検索ページでご確認ください。なお、実験責任者のかたには、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 2016 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
Scientific Reports	15	Chemistry - A European Journal	5
Physical Review B	8	Inorganic Chemistry	5
AIP Conference Proceedings	7	Journal of Applied Physics	5
ECS Transactions	7	Zeitschrift für Physikalische Chemie	5
Japanese Journal of Applied Physics	6	Nucleic Acid Letters	4
Physical Chemistry Chemical Physics	6	他全 141 誌、計 255 報	

課題の成果として登録された論文

Scientific Reports

研究成果番号	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
30284	Wu Shi	5 (2015) 12534	2013A1355	BL13XU	叶 劍挺	Superconductivity Series in Transition Metal Dichalcogenides by Ionic Gating
30333	Yufuku Matsushita	5 (2015) 17647	2013B1406	BL40XU	佐々木 裕次	Time-resolved X-ray Tracking of Expansion and Compression Dynamics in Supersaturating Ion-Networks
			2014A1338	BL40XU	佐々木 裕次	
			2014B1402	BL40XU	佐々木 裕次	
			2015A1475	BL40XU	佐々木 裕次	
			2015B1270	BL40XU	佐々木 裕次	
			2014A1885	BL40B2	関口 博史	
			2014B1756	BL40B2	松下 祐福	
2015A1816	BL40B2	松下 祐福				
30459	Noriko Yamaguchi	6 (2016) 20548	2014B1282	BL37XU	山口 紀子	Internal Structure of Cesium-Bearing Radioactive Microparticles Released from Fukushima Nuclear Power Plant
30496	Kirill Mitrofanov	6 (2016) 20633	2012B8041	BL3	長谷 宗明	Sub-Nanometre Resolution of Atomic Motion during Electronic Excitation in Phase-Change Materials
			2013A8051	BL3	長谷 宗明	
			2013B8056	BL3	長谷 宗明	
			2014A8039	BL3	長谷 宗明	
			2014B8061	BL3	長谷 宗明	
30501	Kentaro Ishii	5 (2015) 18167	2015A6511	BL44XU	加藤 晃一	Disassembly of the Self-Assembled, Double-Ring Structure of Proteasome $\alpha 7$ Homo-Tetradecamer by $\alpha 6$
30502	Tadashi Satoh	6 (2016) 20575	2015A6511	BL44XU	加藤 晃一	Structural Basis for Two-Step Glucose Trimming by Glucosidase II Involved in ER Glycoprotein Quality Control
30503	Maho Yagi-Utsumi	5 (2015) 13909	2015A6511	BL44XU	加藤 晃一	Structural Basis of Redox-Dependent Substrate Binding of Protein Disulfide Isomerase
30509	Kenji Ohta	5 (2015) 16560	2013A0038	BL10XU	清水 克哉	Phase Boundary of Hot Dense Fluid Hydrogen
			2013B0038	BL10XU	清水 克哉	
			2014A0038	BL10XU	清水 克哉	
			2014B0112	BL10XU	清水 克哉	
			2015A0112	BL10XU	清水 克哉	
30521	So-ichiro Nishiyama	6 (2016) 20866	2012B1462	BL41XU	今田 勝巳	Identification of a <i>Vibrio cholerae</i> Chemoreceptor that Senses Taurine and Amino Acids as Attractants
			2013A1406	BL41XU	今田 勝巳	
30524	Ryo Masuda	6 (2016) 20861	2012B0086	BL09XU	瀬戸 誠	^{61}Ni Synchrotron Radiation-Based Mössbauer Spectroscopy of Nickel-Based Nanoparticles with Hexagonal Structure
			2013B0086	BL09XU	瀬戸 誠	
			2014A1104	BL09XU	瀬戸 誠	
			2012B3501	BL11XU	三井 隆也	
			2013B3501	BL11XU	三井 隆也	
30529	Yugo Hayashi	6 (2016) 19334	2013A1851	BL38B1	長尾 聡	Domain Swapping Oligomerization of Thermostable <i>c</i> -type Cytochrome in <i>E. coli</i> Cells
30532	Koji Ohara	6 (2016) 21302	2011B1457	BL02B1	尾原 幸治	Structural and Electronic Features of Binary $\text{Li}_2\text{S}-\text{P}_2\text{S}_5$ Glasses
			2012B1540	BL04B2	小久見 善八	
			2013B1010	BL04B2	小久見 善八	
			2013B7600	BL28XU	小久見 善八	
			2014A7600	BL28XU	小久見 善八	
30595	Takeshi Sakai	6 (2016) 22652	2013A1314	BL10XU	境 毅	Experimental and Theoretical Thermal Equations of State of MgSiO_3 Post-Perovskite at Multi-Megabar Pressures
			2012B1134	BL10XU	境 毅	
30761	Masahiko Saito	5 (2015) 14202	2014A1530	BL46XU	尾坂 格	Highly Efficient and Stable Solar Cells Based on Thiazolothiazole and Naphthobisthiadiazole Copolymers

AIP Conference Proceedings-1

30478	Rino Saiga	1696 (2016) 020004	2012B0041	BL47XU	水谷 隆太	Three-Dimensional Structure of Brain Tissue at Submicrometer Resolution
			2013A1384	BL37XU	鈴木 芳生	
			2013B0041	BL47XU	水谷 隆太	
			2014A1057	BL37XU	水谷 隆太	
30479	Akihisa Takeuchi	1696 (2016) 020015	2013B1431	BL47XU	竹内 晃久	Imaging Properties and its Improvements of Scanning/Imaging X-ray Microscope
			2014A1108	BL47XU	竹内 晃久	
30486	Toshiki Hiroto	1696 (2016) 020017	2012B3200	BL24XU	籠島 靖	Upgrading Multilayer Zone Plate Technology for Hard X-ray Focusing
			2013A3200	BL24XU	籠島 靖	
			2013B3200	BL24XU	籠島 靖	

AIP Conference Proceedings-2

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
30488	Hidekazu Takano	1696 (2016) 020039	2011A3203	BL24XU	高野 秀和	Hard X-ray Nanofocusing using Total-Reflection Zone Plates
			2011B3203	BL24XU	高野 秀和	
			2012A3203	BL24XU	高野 秀和	
30574	Kentaro Uesugi	1696 (2016) 020022	2011B1367	BL47XU	上杉 健太郎	Development of Sealed Sample Containers and High Resolution Micro-Tomography
			2012B1195	BL47XU	上杉 健太郎	
			2013A1385	BL47XU	上杉 真之	
30657	Yoshio Suzuki	1696 (2016) 020013	2012A1270	BL37XU	鈴木 芳生	Recent Progress of Hard X-ray Imaging Microscopy and Microtomography at BL37XU of SPring-8
			2013A1384	BL37XU	鈴木 芳生	
30658	Yoshio Suzuki	1696 (2016) 020014	2006B1473	BL20XU	鈴木 芳生	Differential Phase Contrast in Scanning X-ray Microscopy with Half-Wavelength Phase Shifter
			2012A1265	BL20XU	鈴木 芳生	

ECS Transactions

30289	Masashi Matsumoto	69 (2015) 13-25	2014B1015	BL46XU	今村 大地	Impact of FEC Additive on SEI Structure Formed on a Carbon Negative Electrode Studied by HAXPES
			2015A1704	BL46XU	今村 大地	
30445	Yoshinobu Fujimaki	68 (2015) 623-630	2013A1456	BL37XU	雨澤 浩史	Quantitative Evaluation of Electrochemically Active Area in an SOFC Cathode by Oxygen Isotopic Exchange Measurements of a Model Patterned Electrode
			2013B1483	BL37XU	雨澤 浩史	
			2014A1450	BL37XU	雨澤 浩史	
30504	Hiroaki Tanaka	61 (2014) 47-53	2013A1628	BL46XU	本谷 宗	Effect of Composition Ratio on Erbium Silicide Work Function on Different Morphology of Si(100) Surface Changed by Alkaline Etching
			2013A1836	BL46XU	本谷 宗	
			2013B1720	BL46XU	本谷 宗	
30570	Gabor Samjeske	69 (2015) 1039-1045	2013A7803	BL36XU	岩澤 康裕	Effects of Repeated Feed-Gas Exchange Processes on Degradation Processes of Pt-Based PEFC Cathode Catalysts Studied by In-situ XAFS, STEM-EDS and Electrochemical Methods
			2013B7801	BL36XU	岩澤 康裕	
			2014A7802	BL36XU	岩澤 康裕	
			2014A7805	BL36XU	岩澤 康裕	
			2014B7801	BL36XU	岩澤 康裕	
			2014B7802	BL36XU	岩澤 康裕	
30572	Gabor Samjeske	64 (2014) 113-119	2013A7803	BL36XU	岩澤 康裕	MEA Pt/C Cathode Catalyst Degradation during Repeated Anode Gas Exchange Cycles: In-Situ XAFS, STEM-EDS and Electrochemical Analysis
			2013B7801	BL36XU	岩澤 康裕	
			2014A7802	BL36XU	岩澤 康裕	
30626	Tomoyuki Suwa	45 (2012) 453-460	2010A1660	BL27SU	寺本 章伸	Influence of Forming Gas Annealing on SiO ₂ /Si(100) Interface Structures Formed Utilizing Oxygen Molecules Different from that Utilizing Oxygen Radicals
30627	Tomoyuki Suwa	50 (2012) 313-318	2010B1723	BL27SU	寺本 章伸	Comprehensive Study on Chemical Structures of Compositional Transition Layer at SiO ₂ /Si(100) Interface
			2010A1660	BL27SU	寺本 章伸	

Physical Review B

30304	Shu-Han Lee	92 (2015) 205114	2012B4130	BL12B2	Du Chao Hung	Inverse Order-Disorder Transition of Charge Stripes
30419	Naoki Murai	93 (2016) 020301(R)	2013A1467	BL35XU	宮坂 茂樹	Effect of Magnetism on Lattice Dynamics in SrFe ₂ As ₂ using High-Resolution Inelastic X-ray Scattering
			2013B1361	BL35XU	宮坂 茂樹	
			2014A1207	BL35XU	宮坂 茂樹	
			2014B1760	BL35XU	村井 直樹	
			2015A1813	BL35XU	村井 直樹	
30423	Shogo Kawaguchi	93 (2016) 024108	2012A0084	BL02B2	久保田 佳基	Orthorhombic Distortion and Orbital Order in the Vanadium Spinel FeV ₂ O ₄
			2012B0084	BL02B2	久保田 佳基	
			2013A0084	BL02B2	久保田 佳基	
			2013B0084	BL02B2	久保田 佳基	
			2014A1645	BL02B2	河口 彰吾	
			2014B2049	BL02B2	河口 彰吾	
30463	Takashi Naka	91 (2015) 224412	2013A1569	BL02B2	橋新 剛	Multistage Ordering and Critical Singularities in Co _{1-x} Zn _x Al ₂ O ₄ (0 ≤ x ≤ 1): Dilution and Pressure Effects in a Magnetically Frustrated System
30494	Kazuhei Wakiya	93 (2016) 064105	2013B1676	BL35XU	脇舎 和平	Low-Energy Optical Phonon Modes in the Caged Compound LaRu ₂ Zn ₂₀
30764	Alexander Kolobov	87 (2013) 165206	2012B1382	BL01B1	Fons Paul	Vacancy-Mediated Three-Center Four-Electron Bonds in GeTe-Sb ₂ Te ₃ Phase-Change Memory Alloys
			2012B1415	BL02B2	Fons Paul	
30789	Syuhei Torigoe	93 (2016) 085109	2010A3614	BL14B1	花咲 徳亮	Observation of All-in Type Tetrahedral Displacements in Nonmagnetic Pyrochlore Niobates

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
30327	Akinobu Yamaguchi	55 (2016) 023002	2010B1709	BL25SU	山口 明啓	Real-Space Observation of Magnetic Vortex Core Gyration in a Magnetic Disc Both with and without a Pair Tag
			2011A1657	BL25SU	山口 明啓	
			2011B1713	BL25SU	山口 明啓	
			2012A1646	BL25SU	山口 明啓	
30426	Shigeru Kimura	55 (2016) 038002	2012A1010	BL02B1	相澤 一也	Development of a Compact Compression Test Stage for Synchrotron Radiation Micro-Laue Diffraction Measurements of Long-Period Stacking-Ordered Phases in Mg-Zn-Y Alloys
			2012B1006	BL02B1	相澤 一也	
			2013A1003	BL02B1	相澤 一也	
			2013A1182	BL28B2	木村 滋	
			2013B1004	BL28B2	相澤 一也	
			2014A1005	BL28B2	相澤 一也	
			2014B1212	BL28B2	木村 滋	
30427	Shigeru Kimura	55 (2016) 038001	2014A1896	BL13XU	木村 滋	Parabolic Refractive X-ray Lenses Made of Quartz Glass for High-Energy X-ray Focusing
			2015A1334	BL13XU	木村 滋	
30533	Ichiro Hirose	55 (2016) 03DD09	2013A1831	BL46XU	渡辺 剛	Effects of Applying Bias Voltage on Metal-Coated Pentacene Films on SiO ₂ Studied by Hard X-ray Photoelectron Spectroscopy
			2015A1701	BL46XU	安野 聡	
30543	Takeshi Watanabe	55 (2016) 03DD12	2014A1807	BL46XU	渡辺 剛	Observation of Electric Potential in Organic Thin-Film Transistor by Bias-Applied Hard X-ray Photoemission Spectroscopy
			2015A1844	BL46XU	多田 圭佑	
30547	Masamitsu Takahashi	55 (2016) 04EJ04	2011B3503	BL11XU	高橋 正光	Effects of Growth Temperature and Growth Rate on Polytypes in Gold-Catalyzed GaAs Nanowires Studied by in situ X-ray Diffraction
			2012A3503	BL11XU	高橋 正光	
			2012B3503	BL11XU	高橋 正光	
			2011A3503	BL11XU	高橋 正光	

Chemistry - A European Journal

30290	Soonchul Kang	22 (2016) 532-538	2012A1282	BL02B1	佐藤 治	Heterometallic Fe ^{III} /K Coordination Polymer with a Wide Thermal Hysteretic Spin Transition at Room Temperature
			2014A1271	BL02B1	佐藤 治	
30297	Ryohei Yamakado	22 (2016) 626-638	2014A1313	BL40B2	坂東 勇哉	π -Electron Systems That Form Planar and Interlocked Anion Complexes and Their Ion-Pairing Assemblies
			2014B1397	BL40B2	山門 陵平	
30430	Eiichi Kayahara	21 (2015) 18939-18943	2015A1919	BL02B1	山子 茂	Ligand-Controlled Synthesis of [3]- and [4]Cyclo-9,9-dimethyl-2,7-fluorenes through Triangle- and Square-Shaped Platinum Intermediates
30551	Hiroto Noda	22 (2016) 5113-5117	2015A1198	BL13XU	若林 裕助	Direct Estimation of the Surface Location of Immobilized Functional Groups for Concerted Catalysis Using a Probe Molecule
30719	Takato Mitsudome	19 (2013) 14398-14402	2013A1256	BL01B1	金田 清臣	Highly Efficient Etherification of Silanes by Using a Gold Nanoparticle Catalyst: Remarkable Effect of O ₂

Inorganic Chemistry

30330	Yoshitsugu Morita	55 (2016) 1287-1295	2015B6545	BL44XU	溝端 栄一	Crystal Structures and Coordination Behavior of Aqua- and Cyano-Co(III) Tetrahydrocorrins in the Heme Pocket of Myoglobin
30592	Kenichi Ohtake	55 (2016) 2620-2626	2011B4907	BL15XU	大坪 主弥	Neutral-Type One-Dimensional Mixed-Valence Halogen-Bridged Platinum Chain Complexes with Large Charge-Transfer Band Gaps
			2012B1558	BL02B1	大坪 主弥	
			2012B4912	BL15XU	大坪 主弥	
			2013A1480	BL02B1	大坪 主弥	
			2013B1400	BL02B1	北川 宏	
30608	Yu Su	55 (2016) 2627-2633	2013B4503	BL15XU	山浦 一成	High-Pressure Synthesis, Crystal Structure, and Magnetic Properties of Sr ₂ MnO ₅ F: A New Member of Layered Perovskite Oxyfluorides
			2014A4504	BL15XU	辻本 吉廣	
30696	Kun Lin	55 (2016) 2864-2869	2015B1127	BL44B2	Lin Kun	Thermal Expansion and Second Harmonic Generation Response of the Tungsten Bronze Pb ₂ AgNb ₅ O ₁₅
30506	Ikuya Yamada	55 (2016) 1715-1719	2013A1042	BL27SU	山田 幾也	Inverse Charge Transfer in the Quadruple Perovskite CaCu ₃ Fe ₄ O ₁₂
			2014A1224	BL27SU	西山 宣正	
			2014B1128	BL01B1	山田 幾也	
			2014B1129	BL02B2	山田 幾也	

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
30298	Kosuke Suzuki	119 (2016) 025103	2011A1869	BL08W	伊藤 真義	Non-Destructive Measurement of <i>in-operando</i> Lithium Concentration in Batteries via X-ray Compton Scattering
			2011B2004	BL08W	櫻井 吉晴	
			2012B1470	BL08W	鈴木 宏輔	
30441	Ryota Takabe	119 (2016) 025306	2014A4902	BL15XU	木村 昭夫	Measurement of Valence-Band Offset at Native Oxide/BaSi ₂ Interfaces by Haed X-ray Photoelectron Spectroscopy
			2015A4907	BL15XU	木村 昭夫	
30476	Haochun Tang	118 (2015) 205703	2015A4704	BL15XU	神谷 利夫	Effects of Residual Hydrogen in Sputtering Atmosphere on Structures and Properties of Amorphous In-Ga-Zn-O Thin Films
			2015B4701	BL15XU	神谷 利夫	
			2014B4702	BL15XU	神谷 利夫	
30484	M. Hoffmann	118 (2015) 072006	2013B4702	BL15XU	舟窪 浩	Stabilizing the Ferroelectric Phase in Doped Hafnium Oxide
			2014A4703	BL15XU	清水 荘雄	
			2014B4704	BL15XU	清水 荘雄	
30552	Kenichi Shimomura	118 (2015) 185303	2012B3512	BL11XU	神谷 格	Direct Observation of Strain in InAs Quantum Dots and Cap Layer during Molecular Beam Epitaxial Growth using <i>in situ</i> X-ray Diffraction
			2013A3512	BL11XU	神谷 格	
			2013B3511	BL11XU	神谷 格	
			2014A3511	BL11XU	神谷 格	

Physical Chemistry Chemical Physics

30307	Ikuma Takahashi	18 (2016) 1897-1904	2010B1896	BL46XU	小久見 善八	Phase Transition Kinetics of LiNi _{0.5} Mn _{1.5} O ₄ Analyzed by Temperature-Controlled Operando X-ray Absorption Spectroscopy
			2011A1013	BL02B2	小久見 善八	
			2011A1014	BL28XU	小久見 善八	
			2011B1034	BL46XU	小久見 善八	
			2012A7601	BL28XU	小久見 善八	
			2012B7601	BL28XU	小久見 善八	
2013A7601	BL28XU	小久見 善八				
30436	Satoshi Muratsugu	17 (2015) 24791-24802	2013B7823	BL36XU	唯 美津木	Formation and Nitrile Hydrogenation Performance of Ru Nanoparticles on a K-doped Al ₂ O ₃ Surface
30447	Takashi Nakamura	18 (2016) 1564-1569	2013A1716	BL27SU	雨澤 浩史	The Determining Factor for Interstitial Oxygen Formation in Ruddlesden-Popper Type La ₂ NiO ₄ -based Oxides
			2013B1487	BL27SU	雨澤 浩史	
			2014A1452	BL27SU	雨澤 浩史	
30498	Shota Matsuo	18 (2016) 4822-4827	2015A1590	BL01B1	山添 誠司	The Electrooxidation-Induced Structural Changes of Gold Di-Superatomic Molecules: Au ₂₃ vs. Au ₂₅
			2014B1430	BL01B1	山添 誠司	
			2014A1458	BL01B1	山添 誠司	
30539	Hisao Kiuchi	18 (2016) 458-465	2012B1027	BL27SU	原田 慈久	Characterization of Nitrogen Species Incorporated into Graphite using Low Energy Nitrogen Ion Sputtering
			2013A1538	BL27SU	原田 慈久	
			2013A7403	BL07LSU	原田 慈久	

Zeitschrift fur Physikalische Chemie

30303	Yusuke Wakabayashi	230 (2016) 569-575	2013B4902	BL15XU	若林 裕助	Confirmation of no Structural and Chemical Changes in Curie Temperature Variable Co Ultrathin Films by Electric Field
			2014A1291	BL13XU	若林 裕助	
			2014B1091	BL13XU	若林 裕助	
30609	Shinya Hosokawa	230 (2015) 313-338	2014B1739	BL35XU	Stellhorn Jens	Anomalous X-ray Scattering on Semiconducting Glasses at ESRF: Review in Recent Fifteen Years
			2014A1624	BL13XU	Stellhorn Jens	
			2014A1060	BL13XU	細川 伸也	
			2009B4138	BL12B2	細川 伸也	
			2006B3602	BL14B1	細川 伸也	
30663	Fumihiko Matsui	230 (2016) 519-535	2013B1307	BL25SU	松井 文彦	Circular Dichroism in Cu Resonant Auger Electron Diffraction
			2014B1454	BL25SU	松井 文彦	
30667	Yuki Ideguchi	230 (2015) 489-498	2014B1187	BL39XU	細川 伸也	X-ray Fluorescence Holographic Study on High-Temperature Superconductor FeSe _{0.4} Te _{0.6}
			2015B1183	BL39XU	細川 伸也	
30668	Jens R. Stellhorn	230 (2015) 369-386	2014A1060	BL13XU	細川 伸也	Structural Aspects of the Superionic Conduction Mechanism in Ag-GeSe ₃ Glasses

Nucleic Acids Research-1

30513	Yu-Ming Chang	42 (2014) 5314-5321	2013B4011	BL12B2	Wang Andrew	TcaR-ssDNA Complex Crystal Structure Reveals New DNA Binding Mechanism of the MarR Family Proteins
30619	Yuzuru Itoh	43 (2015) 9028-9038	2014A1075	BL41XU	関根 俊一	Crystal Structure of the Full-Length Bacterial Selenocysteine-Specific Elongation Factor SelB
			2014B1265	BL41XU	関根 俊一	

Nucleic Acids Research-2

研究成果番号	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
30722	Tomoya Kujirai	(2016) Published online 25 Mar. 2016	2012A1125	BL41XU	胡桃坂 仁志	Structure and Function of Human Histone H3.Y Nucleosome
			2012B1048	BL41XU	胡桃坂 仁志	
			2013A1036	BL41XU	胡桃坂 仁志	
			2013B1060	BL41XU	胡桃坂 仁志	
30744	Chih-Chiang Chang	43 (2015) 7612-7623	2012B4000	BL12B2	Chan Nei Li	Structural Basis of the Mercury(II)-Mediated Conformational Switching of the Dual-Function Transcriptional Regulator MerR

Acta Crystallographica Section D

30294	Toshiyuki Chatake	72 (2016) 71-82	2011B1138	BL38B1	茶竹 俊行	A Technique for Determining the Deuterium/Hydrogen Contrast Map in Neutron Macromolecular Crystallography
30510	Yu-Ming Chang	69 (2013) 1138-1149	2012B4001	BL12B2	Wang Andrew	Structural Analysis of the Antibiotic-Recognition Mechanism of MarR Proteins
30512	Cheng Chung Lee	69 (2013) 1935-1945	2012A4001	BL12B2	Wang Andrew	Structural Basis for the Antibody Neutralization of <i>Herpes simplex virus</i>

AIP Advances

30475	Junghwan Kim	6 (2016) 015106	2015A4704	BL15XU	神谷 利夫	Room-Temperature Fabrication of Light-Emitting Thin Films Based on Amorphous Oxide Semiconductor
			2015B4701	BL15XU	神谷 利夫	
30580	Hidetoshi Suzuki	6 (2016) 035303	2012B3505	BL11XU	高橋 正光	Real-Time Observation of Rotational Twin Formation during Molecular-Beam Epitaxial Growth of GaAs on Si (111) by X-ray Diffraction
			2013A3505	BL11XU	高橋 正光	
			2013B3503	BL11XU	佐々木 拓生	
30603	Ikuo Nakai	6 (2016) 055808	2012A1200	BL02B2	中井 生央	Oxygen Vacancy and Dilute Ferromagnetism of ZnGa ₂ O ₄ Doped with Co at the Octahedral Site
			2014B1262	BL01B1	中井 生央	

Biochemistry

30393	Takao Hibi	55 (2016) 724-732	2011A1882	BL26B1	日辛 隆雄	Hyperstabilization of Tetrameric <i>Bacillus</i> sp. TB-90 Urate Oxidase by Introducing Disulfide Bonds through Structural Plasticity
30437	Daisuke Sato	55 (2016) 287-293	2011A1133	BL45XU	池口 雅道	Ferritin Assembly Revisited: A Time-Resolved Small-Angle X-ray Scattering Study
			2012A1217	BL45XU	池口 雅道	
			2012B1114	BL45XU	池口 雅道	
			2013B1392	BL45XU	池口 雅道	
30438	Daisuke Sato	55 (2016) 482-488	2011A1133	BL45XU	池口 雅道	Electrostatic Repulsion during Ferritin Assembly and Its Screening by Ions
			2012A1217	BL45XU	池口 雅道	
			2012B1114	BL45XU	池口 雅道	
			2013B1392	BL45XU	池口 雅道	
			2015A1374	BL45XU	池口 雅道	

Chemistry of Materials

30462	Mirza H. K. Rubel	28 (2016) 459-465	2014A1008	BL02B2	熊田 伸弘	Hydrothermal Synthesis, Crystal Structure, and Superconductivity of a Double-Perovskite Bi Oxide
30548	Yuusuke Nanba	28 (2016) 1058-1065	2013B7460	BL07LSU	朝倉 大輔	Redox Potential Paradox in Na _x MO ₂ for Sodium-Ion Battery Cathodes
			2014A7464	BL07LSU	朝倉 大輔	
30753	Kazuaki Kawashima	27 (2015) 6558-6570	2014B1915	BL46XU	尾坂 格	Effect of Chalcogen Atom on the Properties of Naphthobis(chalcogen)diazole-Based π -Conjugated Polymers

Crystal Growth & Design-1

30465	Ichiro Hisaki	16 (2016) 714-721	2015A1174	BL38B1	久木 一朗	Arrangement Modulation of π -Stacked Columnar Assemblies of Octadecyldibenzo[12]annulene: Substituent Effects of Peripheral Thienyl and Phenyl Rings
			2014B1168	BL38B1	久木 一朗	
			2014A1252	BL38B1	久木 一朗	
30575	Masafumi Harada	16 (2016) 1200-1212	2011B1338	BL45XU	原田 雅史	Formation Mechanism of Gold Nanoparticles Synthesized by Photoreduction in Aqueous Ethanol Solutions of Polymers Using In Situ Quick Scanning X-ray Absorption Fine Structure and Small-Angle X-ray Scattering
			2010B1189	BL45XU	原田 雅史	

Crystal Growth & Design-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
30660	Toshiyuki Sasaki	16 (2016) 1626-1635	2015B1234	BL38B1	佐々木 俊之	Construction of Chiral Polar Crystals from Achiral Molecules by Stacking Control of Hydrogen-Bonded Layers Using Type II Halogen Bonds
			2013A1605	BL38B1	佐々木 俊之	

e-Journal of Surface Science and Nanotechnology

30469	Yusuke Wakabayashi	14 (2016) 14-16	2012B4901 2013A4901	BL15XU BL15XU	若林 裕助 若林 裕助	Microscopic Observation of Degradation of LaNiO ₃ Ultrathin Films Caused by Air Exposure
30576	Daiju Matsumura	14 (2016) 48-52	2010A3609	BL14B1	松村 大樹	Precise Observation of Growth of Surface Oxide Layer for Pd and Cu Nanoparticles During Oxidative/Reductive Gases Cyclic Flow Studied by Real-Time-Resolved XAFS Spectroscopy
			2010A1276	BL28B2	松村 大樹	
			2010B3609	BL14B1	松村 大樹	
			2010B1205	BL28B2	松村 大樹	
			2011A3609	BL14B1	松村 大樹	
			2011A1369	BL28B2	松村 大樹	
			2011B3609	BL14B1	松村 大樹	
30591	Kenji Sugita	14 (2016) 59-62	2014B1454	BL25SU	松井 文彦	Development of Micro-Photoelectron Diffraction at SPring-8 BL25SU
			2015A0124	BL25SU	林 好一	

ISIJ International

30500	Shigeru Suzuki	55 (2015) 2158-2165	2012B1078	BL28B2	鈴木 茂	Characterization of Evolution of Microscopic Stress and Strain in High-Manganese Twinning-Induced Plasticity Steel
30615	Dowon Seo	55 (2015) 1483-1488	2012A1205	BL20XU	戸田 裕之	Three-Dimensional Investigation of Void Coalescence in Free-Cutting Steel using X-ray Tomography
			2012B1013	BL20XU	戸田 裕之	
			2013A1537	BL20XU	戸田 裕之	
			2013B1027	BL20XU	戸田 裕之	
30616	Dowon Seo	55 (2015) 1474-1482	2012A1205	BL20XU	戸田 裕之	In Situ Observation of Void Nucleation and Growth in a Steel using X-ray Tomography
			2012B1013	BL20XU	戸田 裕之	
			2013A1537	BL20XU	戸田 裕之	
			2013B1027	BL20XU	戸田 裕之	

Journal of Physics B: Atomic, Molecular and Optical Physics

30331	Hironobu Fukuzawa	49 (2016) 034004	2012A8036	BL3	上田 潔	Electron Spectroscopy of Rare-Gas Clusters Irradiated by X-ray Free-Electron Laser Pulses from SACLA
30493	Rikiya Yoshida	48 (2015) 244008	2014B8053	BL3	西野 吉則	Extending the Potential of X-ray Free-Electron Lasers to Industrial Applications— an Initiatory Attempt at Coherent Diffractive Imaging on Car-Related Nanomaterials
			2015A8052	BL3	西野 吉則	
30597	Xin Xu	49 (2016) 064010	2015B4250	BL12XU	Zhu LinFan	The Absolute Optical Oscillator Strengths of the 3p ⁵ 4s and 3p ⁵ 4s' Excitations of Argon Measured by the Dipole (Y, Y) Method

Journal of the American Chemical Society-1

30434	Eiichi Kayahara	138 (2016) 338-344	2014A1734	BL02B1	山子 茂	Synthesis and Characterization of [n]CPP (n = 5, 6, 8, 10, and 12) Radical Cation and Dications: Size-Dependent Absorption, Spin, and Charge Delocalization
			2014B1203	BL02B1	山子 茂	
			2015A1919	BL02B1	山子 茂	
			2015B1311	BL02B1	山子 茂	
30569	Kensaku Nagasawa	137 (2015) 12856-12864	2014A7802	BL36XU	岩澤 康裕	Surface-Regulated Nano-SnO ₂ /Pt ₃ Co/C Cathode Catalysts for Polymer Electrolyte Fuel Cells Fabricated by a Selective Electrochemical Sn Deposition Method
			2014A7800	BL36XU	岩澤 康裕	
			2014B7802	BL36XU	岩澤 康裕	
			2014B7800	BL36XU	岩澤 康裕	
			2013B7805	BL36XU	岩澤 康裕	
			2013B7804	BL36XU	岩澤 康裕	
			2013B7801	BL36XU	岩澤 康裕	
			2013B7802	BL36XU	岩澤 康裕	
			2013A7801	BL36XU	岩澤 康裕	
			2013A7802	BL36XU	岩澤 康裕	
			2015A7803	BL36XU	岩澤 康裕	
			2014A7805	BL36XU	岩澤 康裕	
			2012B1025	BL01B1	岩澤 康裕	
			2012B1023	BL40XU	岩澤 康裕	
2012A1004	BL40XU	岩澤 康裕				
2011B1597	BL01B1	岩澤 康裕				

Journal of the American Chemical Society-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
30749	Jiahn Haur Liao	138 (2016) 4787-4795	2012B4006	BL12B2	Khoo Kay Hooi	A Multivalent Marine Lectin from <i>Crenomytilus grayanus</i> Possesses Anti-Cancer Activity through Recognizing Globotriose Gb3
			2012A4014	BL12B2	Khoo Kay Hooi	

Langmuir

30293	Ung Thi Dieu Thuy	31 (2015) 13494-13500	2014B1259	BL40B2	三木 一司	Assembly of Mid-Nanometer-Sized Gold Particles Capped with Mixed Alkanethiolate SAMs into High-Coverage Colloidal Films
30505	Toshihiko Oka	32 (2016) 1327-1337	2014A1180	BL40B2	岡 俊彦	Activation Energy of the Low-pH-Induced Lamellar to Bicontinuous Cubic Phase Transition in Dioleoylphosphatidylserine/Monoolein
			2014B1240	BL40B2	岡 俊彦	
			2015A1242	BL40B2	山崎 昌一	
30538	Jiajia Wu	31 (2015) 5529-5536	2015B1208	BL40B2	山崎 昌一	Enhancement in Kinetics of the Oxygen Reduction Reaction on a Nitrogen-Doped Carbon Catalyst by Introduction of Iron via Electrochemical Methods
			2014A1752	BL14B2	原田 慈久	
			2014A7403	BL07LSU	原田 慈久	

Nature Communications

30387	Seiji Yamazoe	7 (2016) 10414	2012B1986	BL01B1	宇留賀 朋哉	Hierarchy of Bond Stiffnesses within Icosahedral-based Gold Clusters Protected by Thiolates
			2012B1421	BL01B1	細川 三郎	
			2013B1421	BL01B1	山添 誠司	
			2013B1659	BL01B1	高畑 遼	
			2014B1430	BL01B1	山添 誠司	
30442	Mao Ye	6 (2015) 8913	2015A1590	BL01B1	山添 誠司	Carrier-Mediated Ferromagnetism in the Magnetic Topological Insulator Cr-doped (Sb,Bi) ₂ Te ₃
			2013A3880	BL23SU	木村 昭夫	
			2013B3880	BL23SU	木村 昭夫	
			2014B3880	BL23SU	木村 昭夫	
30756	Kazuaki Kawashima	6 (2015) 10085	2014A1530	BL46XU	尾坂 格	High-Efficiency Polymer Solar Cells with Small Photon Energy Loss

Solid State Ionics

30491	Daisuke Mori	285 (2016) 66-74	2012A1658	BL02B2	森 大輔	XRD and XAFS Study on Structure and Cation Valance State of Layered Ruthenium Oxide Electrodes, Li ₂ RuO ₃ and Li ₂ Mn _{0.4} Ru _{0.6} O ₃ , upon Electrochemical Cycling
			2014B1492	BL02B2	森 大輔	
			2013A1697	BL02B2	森 大輔	
30492	Akihisa Aimi	285 (2016) 19-28	2014B1492	BL02B2	森 大輔	Synthesis, Structure and Ionic Conductivities of Novel Li-Ion Conductor A ₃ Li _x Ta _{6-x} Zr _x Si ₄ O ₂₆ (A = Sr and Ba)
30516	Muhammad Iqbal	285 (2016) 33-37	2014B1931	BL19B2	菅野 了次	Lithium Ion Conduction in Doped LaLiO ₂ System

Advanced Electronic Materials

30470	Arnab Sen Gupta	2 (2016) 201500196	2015A1551	BL02B2	藤田 晃司	Improper Inversion Symmetry Breaking and Piezoelectricity through Oxygen Octahedral Rotations in Layered Perovskite Family, LiRTiO ₄ (R = Rare Earths)
30762	Kohsuke Kawabata	1 (2015) 201500039	2014A1530	BL46XU	尾坂 格	Thienothiophene-2,5-Dione-Based Donor-Acceptor Polymers: Improved Synthesis and Influence of the Donor Units on Ambipolar Charge Transport Properties

Angewandte Chemie International Edition

30302	Kenta Fujita	55 (2016) 1056-1060	2012B1267	BL38B1	安部 聡	A Photoactive Carbon-Monoxide-Releasing Protein Cage for Dose-Regulated Delivery in Living Cells
			2013B1382	BL38B1	安部 聡	
			2013B1262	BL38B1	上野 隆史	
			2014A1182	BL38B1	安部 聡	
			2014A1165	BL38B1	上野 隆史	
30433	Eiichi Kayahara	55 (2016) 302-306	2015A1919	BL02B1	山子 茂	Regioselective Synthesis and Characterization of Multinuclear Convex-Bound Ruthenium-[<i>n</i>] Cycloparaphenylene (<i>n</i> =5 and 6) Complexes
			2015B1311	BL02B1	山子 茂	
			2014B1203	BL02B1	山子 茂	

Applied Physics Letters-1

30286	Takuo Sasaki	108 (2016) 012102	2014B3503	BL11XU	佐々木 拓生	Anomalous Lattice Deformation in GaN/SiC(0001) Measured by High-Speed <i>in situ</i> Synchrotron X-ray Diffraction
			2015A3503	BL11XU	佐々木 拓生	

Applied Physics Letters-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
30515	Takashi Yamaha	108 (2016) 061909	2013B1755	BL47XU	財満 鎮明	Experimental Observation of Type-I Energy Band
			2014A1721	BL47XU	財満 鎮明	Alignment in Lattice-Matched Ge _{1-x} Si _x Sn _y /Ge
			2014B1358	BL47XU	財満 鎮明	Heterostructures

Chemical Science

30422	Jing Yang Xue	7 (2016) 896-904	2014B2016	BL26B2	佐藤 宗太	Aromatic Hydrocarbon Macrocycles for Highly Efficient Organic Light-Emitting Devices with Single-Layer Architectures
30598	Hirotohi Sakamoto	(2016) Published online 09 Mar. 2016	2012B1591	BL02B2	坂本 裕俊	Cycloparaphenylene as a Molecular Porous Carbon Solid with Uniform Pores Exhibiting Adsorption-Induced Softness
			2013A1313	BL02B2	坂本 裕俊	
			2013B1119	BL02B2	坂本 裕俊	
			2014A1276	BL02B2	坂本 裕俊	
			2014B1428	BL02B2	坂本 裕俊	
			2015A1490	BL02B2	坂本 裕俊	

Chemistry Letters

30288	Norifumi Muraki	45 (2016) 24-26	2014A6955	BL44XU	村木 則文	Structural Basis for Heme Recognition by HmuT Responsible for Heme Transport to the Heme Transporter in <i>Corynebacterium glutamicum</i>
			2014B6955	BL44XU	村木 則文	
30594	Masaaki Yoshida	45 (2016) 277-279	2015B1082	BL01B1	吉田 真明	Structural Relationship between CoO ₆ Cluster and Phosphate Species in a Cobalt-Phosphate Water Oxidation Catalyst Investigated by Co and P K-edge XAFS
			2015A1138	BL01B1	吉田 真明	

Earth and Planetary Science Letters

30456	Akihiro Yamada	308 (2011) 115-123	2002B0080	BL04B1	井上 徹	In situ X-ray Diffraction Study on Pressure-Induced Structural Changes in Hydrous Forsterite and Enstatite Melts
			2003A0338	BL04B1	井上 徹	
30665	Chie Kato	440 (2016) 56-61	2014A0080	BL10XU	廣瀬 敬	Melting in the FeO-SiO ₂ System to Deep Lower-Mantle Pressures: Implications for Subducted Banded Iron Formations

FEBS Letters

30443	Yuichi Watanabe	590 (2016) 242-250	2015A1038	BL38B1	帯田 孝之	Characterization of the Interaction between <i>Trypanosoma brucei</i> Pex5p and its Receptor Pex14p
			2014B1451	BL41XU	帯田 孝之	
			2014A1185	BL26B1	帯田 孝之	
30709	Yuya Hanazono	590 (2016) 298-304	2013B1381	BL26B2	竹田 一旗	Crystal Structures of Chitin Binding Domains of Chitinase from <i>Thermococcus kodakarensis</i> KOD1

IEEE Transactions on Magnetism

30424	Keiji Iwata	50 (2014) 2007004	2009A1374	BL17SU	越川 孝範	Quantitative Analysis of 90° Closure Domains Occurring by Compressive Stress in Fe3%Si(110) Steels
			2009B1275	BL17SU	越川 孝範	
30425	Keiji Iwata	51 (2015) 2002504	2007B1297	BL17SU	越川 孝範	Temperature Dependence of Lancet Domains in Grain-Oriented Fe-3%Si Steels
			2010A1659	BL25SU	越川 孝範	
			2010B1439	BL25SU	越川 孝範	
			2011A1737	BL25SU	岩田 圭司	
			2011B1903	BL25SU	岩田 圭司	

Journal of Electron Spectroscopy and Related Phenomena

30480	Hideki Yoshikawa	190 (2013) 268-277	2007A4904	BL15XU	Matolin Vladimir	Practical Chemical Analysis of Pt and Pd Based Heterogeneous Catalysts with Hard X-ray Photoelectron Spectroscopy
			2008A4604	BL15XU	森 利之	
			2009A4602	BL15XU	森 利之	
			2009B4608	BL15XU	阿部 英樹	
			2010A4609	BL15XU	阿部 英樹	
			2010B4609	BL15XU	阿部 英樹	
			2011A4600	BL15XU	阿部 英樹	
			2011B4606	BL15XU	阿部 英樹	
			2007B4600	BL15XU	下田 正彦	
			2008A4605	BL15XU	下田 正彦	
30646	M. Sundermann	209 (2016) 1-8	2012B4251	BL12XU	Tjeng Liu Hao	Quantitative Study of the <i>f</i> Occupation in CeMIn ₅ and Other Cerium Compounds with Hard X-rays
			2012A4252	BL12XU	Tjeng Liu Hao	
			2011A4254	BL12XU	Tjeng Liu Hao	

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
30483	Lequan Liu	2 (2014) 9875-9882	2012B4609	BL15XU	阿部 英樹	Gold Photosensitized SrTiO ₃ for Visible-Light Water Oxidation Induced by Au Interband Transitions
			2013A4600	BL15XU	阿部 英樹	
30563	Yong Zhao	4 (2016) 3858-3864	2015B1174	BL01B1	神谷 和秀	Efficient Oxygen Reduction Reaction Electrocatalysts Synthesized from an Iron-Coordinated Aromatic Polymer Framework
			2015A1302	BL01B1	神谷 和秀	
			2014B1252	BL01B1	神谷 和秀	
			2013B1123	BL01B1	神谷 和秀	

Journal of Power Sources

30390	Sou Taminato	307 (2016) 599-603	2014A3623	BL14B1	菅野 了次	Lithium Intercalation and Structural Changes at the LiCoO ₂ Surface under High Voltage Battery Operation
30540	Ikuma Takahashi	309 (2016) 122-126	2012A7601	BL28XU	小久見 善八	Irreversible Phase Transition between LiFePO ₄ and FePO ₄ during High-Rate Charge-Discharge Reaction by Operando X-ray Diffraction
			2012B7601	BL28XU	小久見 善八	
			2013A7601	BL28XU	小久見 善八	
			2013B7601	BL28XU	小久見 善八	
			2014A7601	BL28XU	小久見 善八	
			2014B7601	BL28XU	小久見 善八	

Journal of Synchrotron Radiation

30295	Toshiyuki Chatake	20 (2013) 864-868	2007B1503	BL38B1	茶竹 俊行	Structural Fluctuation Observed in Z-DNA d(CGCGCG) ₂ in the Absence of Divalent Metal Cations and Polyamines
30641	Hiroshi Sakurai	23 (2016) 617-621	2013B1158	BL08W	河原 伸幸	Densitometry and Temperature Measurement of Combustion Gas by X-ray Compton Scattering

Journal of the Physical Society of Japan

30444	Masanori Inui	85 (2016) 035001	2011B1342	BL04B2	乾 雅祝	Critical Indices ν and γ Experimentally Obtained at the Liquid-Vapor Critical Point in Fluid Hg
			2013A1269	BL04B2	乾 雅祝	
			2010A1183	BL04B2	乾 雅祝	
			2008B1107	BL04B2	乾 雅祝	
30517	Takateru Kawakami	85 (2016) 034716	2010B1090	BL10XU	川上 隆輝	Two-Step Suppression of Charge Disproportionation in CaCu ₃ Fe ₄ O ₁₂ under High Pressure
			2011B1176	BL10XU	川上 隆輝	
			2012A1221	BL10XU	川上 隆輝	
			2013A1035	BL39XU	川上 隆輝	

Journal of Virology

30428	Kosuke Oda	89 (2015) 11487-11499	2013B1065	BL38B1	坂口 剛正	Structural Basis of the Inhibition of STAT1 Activity by Sendai Virus C Protein
30573	Manabu Aoki	90 (2016) 2180-2194	2012B6751	BL44XU	山縣 ゆり子	C-5-Modified Tetrahydropyrano-Tetrahydrofuran-Derived Protease Inhibitors (PIs) Exert Potent Inhibition of the Replication of HIV-1 Variants Highly Resistant to Various PIs, Including Darunavir
			2012B1019	BL41XU	山本 雅貴	

Macromolecules

30666	Takashi Konishi	49 (2016) 2272-2280	2011B1398	BL45XU	小西 隆士	Temperature Dependence of Lamellar Thickness in Isothermally Crystallized Poly(butylene terephthalate)
			2012A1393	BL40B2	小西 隆士	
			2012B1310	BL40B2	小西 隆士	
			2013A1549	BL40B2	小西 隆士	
			2014A1457	BL40B2	小西 隆士	
			2014B1509	BL40B2	小西 隆士	
			2010A1291	BL40B2	小西 隆士	
			2010A1200	BL40B2	深尾 浩次	
			2010B1479	BL40B2	深尾 浩次	
			2010B1482	BL40B2	小西 隆士	
30755	Itaru Osaka	47 (2014) 3502-3510	2012B1728	BL19B2	尾坂 格	Contrasting Effect of Alkylation on the Ordering Structure in Isomeric Naphthodithiophene-Based Polymers

Metals-1

30464	Hiroshi Suzuki	6 (2016) 12	2013B3724	BL22XU	鈴木 裕士	Investigation of Elastic Deformation in Mechanism in As-Cast and Annealed Eutectic and Hypoeutectic Zr-Cu-Al Metallic Glasses by Multiscale Strain Analysis
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Metals-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
30499	Eui Pyo Kwon	5 (2015) 1845-1856	2011A1724	BL28B2	鈴木 茂	Characterization of Deformation Behavior of Individual Grains in Polycrystalline Cu-Al-Mn Superelastic Alloy Using White X-ray Microbeam Diffraction

Physics and Chemistry of Minerals

30440	Taku Fujii	(2016) First online: 09 Feb. 2016	2014A1435	BL10XU	大藤 弘明	Phase Relation of CaSO ₄ at High Pressure and Temperature up to 90 GPa and 2300 K
30560	Soma Kuwabara	43 (2016) 229-236	2011B1278	BL20B2	寺崎 英紀	Sound Velocity and Elastic Properties of Fe-Ni and Fe-Ni-C Liquids at High Pressure
			2012A1481	BL20B2	寺崎 英紀	
			2012B1177	BL04B1	西田 圭佑	
			2013A1072	BL20XU	寺崎 英紀	
			2013A1508	BL04B1	西田 圭佑	
			2013B1174	BL04B1	西田 圭佑	
			2013B1701	BL04B1	桑原 荘馬	
			2013B1488	BL20XU	寺崎 英紀	
2014A1161	BL20XU	寺崎 英紀				
2014A1662	BL04B1	下山 裕太				

Polymer Journal

30655	Takuma Minami	48 (2016) 197-202	2013A1207	BL40B2	櫻井 和朗	Rod-like Architecture and Cross-sectional Structure of an Amyloid Protofilament-like Peptide Supermolecule in Aqueous Solution
			2013B1203	BL40B2	櫻井 和朗	
30684	Ryo Mashita	48 (2016) 239-245	2011B7260	BL03XU	岸本 浩通	Structure Analyses of Polybutadiene Rubber Crosslinked with Unsaturated Carboxylate using Contrast Variation Small-Angle Neutron Scattering
			2012A7210	BL03XU	岸本 浩通	
			2011B1244	BL20XU	岸本 浩通	
			2012A1686	BL20XU	岸本 浩通	

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

30564	Yohta Fukuda	113 (2016) 2928-2933	2015B8047	BL3	溝端 栄一	Redox-Coupled Proton Transfer Mechanism in Nitrite Reductase Revealed by Femtosecond Crystallography
			2015A8049	BL3	中津 亨	
			2015A8048	BL3	岩田 想	
			2015A8026	BL3	菅原 道泰	
			2014B8050	BL3	岩田 想	
30694	Katsumi Imada	113 (2016) 3633-3638	2010B1013	BL41XU	山本 雅貴	Insight into the Flagella Type III Export Revealed by the Complex Structure of the Type III ATPase and Its Regulator
			2010B1901	BL41XU	今田 勝巳	

Review of Scientific Instruments

30468	Yoshio Katsuya	87 (2016) 016106	2013A4500	BL15XU	田中 雅彦	An X-ray Powder Diffractometer with a Wide Scattering-Angle Range of 72° using Asymmetrically Positioned One-Dimensional Detectors
			2013B4906	BL15XU	加治 亘章	
			2014A4505	BL15XU	久保 佳実	
			2014B4500	BL15XU	久保 佳実	
30662	Yoshiyuki Tsusaka	87 (2016) 023701	2012B3319	BL08B2	横山 和司	X-ray Topography using the Forward Transmitted Beam under Multiple-Beam Diffraction Conditions
			2013A3319	BL08B2	横山 和司	
			2013A3202	BL24XU	津坂 佳幸	
			2013B3202	BL24XU	津坂 佳幸	
			2013B3319	BL08B2	津坂 佳幸	
			2014B3202	BL24XU	津坂 佳幸	
			2014B3319	BL08B2	津坂 佳幸	
2015A3202	BL24XU	津坂 佳幸				

Science Advances-1

30549	Tatsuya Sakamaki	2 (2016) e1500802	2012A1255	BL35XU	大谷 栄治	Constraints on Earth's Inner Core Composition Inferred from Measurements of the Sound Velocity of hcp-Iron in Extreme Conditions
			2012B1439	BL35XU	大谷 栄治	
			2013A1377	BL35XU	坂巻 竜也	
			2013A1492	BL35XU	大谷 栄治	
			2013B1078	BL35XU	坂巻 竜也	
			2013B1094	BL35XU	大谷 栄治	
			2014A1100	BL35XU	大谷 栄治	
			2014B1269	BL35XU	坂巻 竜也	
2014B1465	BL35XU	大谷 栄治				

Science Advances-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
30642	Serge Desgreniers	1 (2015) e1500669	2011B1061	BL10XU	Tse John	Mixing Unmixables: Unexpected Formation of Li-Cs Alloys at Low Pressure

ACS Sustainable Chemistry & Engineering

30717	Tomoo Mizugaki	4 (2016) 682-685	2015A1722	BL14B2	金田 清臣	One-Pot Transformation of Levulinic Acid to 2-Methyltetrahydrofuran Catalyzed by Pt-Mo/H-β in Water
			2015B1571	BL14B2	金田 清臣	

Acta Crystallographica Section C

30439	Shuji Noguchi	72 (2016) 124-127	2015A1293	BL02B1	野口 修治	Nobiletin: a Citrus Flavonoid Displaying Potent Physiological Activity
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Acta Crystallographica Section F

30697	Kenji Takagi	72 (2016) 269-275	2014A6952	BL44XU	水島 恒裕	Crystal Structure of the Substrate-Recognition Domain of the <i>Shigella</i> E3 Ligase IpaH9.8
			2014B6952	BL44XU	水島 恒裕	

Acta Materialia

30417	Motohiro Suzuki	106 (2016) 155-161	2012A1845	BL39XU	鈴木 基寛	Magnetic Domain Evolution in Nd-Fe-B:Cu Sintered Magnet Visualized by Scanning Hard X-ray Microprobe
			2012B1015	BL39XU	広沢 哲	
			2013B1264	BL39XU	鈴木 基寛	
			2014A1187	BL39XU	鈴木 基寛	

Advanced Materials

30283	Satoshi Abe	27 (2015) 7951-7956	2011A1081	BL32XU	上野 隆史	Design of Enzyme-Encapsulated Protein Containers by in Vivo Crystal Engineering
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Applied Clay Science

30763	Hiroki Mukai	121-122(2016) 188-193	2014A3701	BL22XU	綿貫 徹	Identification of the Actual Cesium-Adsorbing Materials in the Contaminated Fukushima Soil
			2014B3701	BL22XU	綿貫 徹	

Applied Physics Express

30481	Kengo Nogami	6 (2013) 105502	2013A4712	BL15XU	大橋 直樹	Epitaxial Synthesis and Electronic Properties of Double-Perovskite Sr ₂ TiRuO ₆ Films
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The Astrophysical Journal

30596	Ya Wei Liu	819 (2016) 142	2013B4250	BL12XU	Zhu LinFan	Oscillator Strengths of Vibrionic Excitations of Nitrogen Determined by the Dipole (γ, γ) Method
			2014B4251	BL12XU	Zhu LinFan	

Biochemical and Biophysical Research Communications

30534	Naoki Horikoshi	471 (2016) 117-122	2010B1375	BL41XU	胡桃坂 仁志	Crystal Structure of the Nucleosome Containing Ultraviolet Light-Induced Cyclobutane Pyrimidine Dimer
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Bioorganic and Medicinal Chemistry

30495	Hiroaki Ohno	24 (2016) 1136-1141	2013A6818	BL44XU	木下 誉富	Structure-Activity Relationship Study of 4-(thiazol-5-yl)benzoic Acid Derivatives as Potent Protein Kinase CK2 Inhibitors
			2013B6818	BL44XU	木下 誉富	

Bioorganic and Medicinal Chemistry Letters

30395	Takayoshi Kinoshita	26 (2016) 955-958	2013A6818	BL44XU	木下 誉富	Identification of Allosteric ERK2 Inhibitors through in Silico Biased Screening and Competitive Binding Assay
			2013B6818	BL44XU	木下 誉富	

Bone

30530	Nobuhito Nango	84 (2016) 279-288	2013B1425	BL20XU	南郷 脩史	Osteocyte-Directed Bone Demineralization along Canaliculi
			2013B1213	BL20XU	松尾 光一	
			2012B1316	BL20XU	南郷 脩史	
			2010B1438	BL20XU	南郷 脩史	
			2009A1871	BL20XU	南郷 脩史	
			2009A1195	BL20XU	松尾 光一	

Catalysis Today

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
30541	Tuteja Jaya	265 (2016) 231-239	2014B1036	BL01B1	穴戸 哲也	Change in Reactivity of Differently Capped AuPd Bimetallic Nanoparticle Catalysts for Selective Oxidation of Aliphatic Diols to Hydroxycarboxylic Acids in Basic Aqueous Solution
			2014B1472	BL01B1	西村 俊	

ChemElectroChem

30571	Gabor Samjeske	2 (2015) 1595-1606	2013B7801	BL36XU	岩澤 康裕	In Situ Techniques to Study the Effects of Anode or Cathode Gas-Exchange Cycles on the Deterioration of Pt/C Cathode Catalysts in PEFCs
			2014A7801	BL36XU	岩澤 康裕	
			2014B7802	BL36XU	岩澤 康裕	

Chemical Communications

30583	Gil Ryeong Lee	52 (2016) 3962-3965	2014B1022	BL19B2	今野 巧	Crystallinity-Dependence of Ionic Conductivity in the Ion Pairs of a Multi-Interactive Anion
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Chemical Physics Letters

30526	Anna Regoutz	647 (2016) 59-63	2015B4256	BL12XU	Regoutz Anna	Identification of Metal s States in Sn-doped Anatase by Polarisation Dependent Hard X-ray Photoelectron Spectroscopy
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Colloids and Surfaces A: Physicochemical and Engineering Aspects

30589	Takumi Kusano	497 (2016) 109-116	2011B1506	BL40B2	岩瀬 裕希	Structural Study on Aggregation Behavior of Star-Type Trimeric Surfactant in the Presence of Sodium Salicylate
			2012A1353	BL40B2	吉村 倫一	

Cytoskeleton

30489	Shinji Kamimura	73 (2016) 131-144	2010A1177	BL45XU	上村 慎治	X-ray Fiber Diffraction Analysis Shows Dynamic Changes in Axial Tubulin Repeats in Native Microtubules Depending on Paclitaxel Content, Temperature and GTP-hydrolysis
			2011A1108	BL45XU	上村 慎治	
			2012A1052	BL45XU	上村 慎治	
			2013A1386	BL45XU	上村 慎治	
			2014A1072	BL45XU	上村 慎治	
2014B1539	BL45XU	上村 慎治				

Dalton Transactions

30585	Keita Nakanishi	44 (2015) 14200-14203	2012B1508	BL37XU	大場 正昭	Lipophilic Ruthenium Salen Complexes: Incorporation into Liposome Bilayers and Photoinduced Release of Nitric Oxide
			2012A1289	BL37XU	大場 正昭	

Dental Research and Management

30531	Makoto Asaizumi	DRM 110 (2016) 19-29	2014B1048	BL40XU	浅泉 誠	Observations of Enamel Microstructure in Incipient Lesions Remineralized by NaF Dentifrices
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Electrochemistry Communications

30578	Toshihiro Kondo	65 (2016) 35-38	2011B4506	BL15XU	増田 卓也	Size Dependent Lattice Constant Change of Thiol Self-Assembled Monolayer Modified Au Nanoclusters Studied by Grazing Incidence X-ray Diffraction
			2012A4504	BL15XU	増田 卓也	
			2012B4503	BL15XU	増田 卓也	

European Journal of Inorganic Chemistry

30296	Masahiko Maekawa	2016 (2016) 78-91	2014B1514	BL02B1	杉本 邦久	Heterometallic Ag ^I -Ir ^{III} Hydride Coordination Polymers Bridged by Ir ^{III} Metalloligands
			2014B2053	BL02B1	杉本 邦久	
			2015A1492	BL02B1	杉本 邦久	

Extremophiles

30482	Yuki Hamajima	20 (2016) 177-186	2012A1242	BL41XU	渡邊 信久	Pressure Adaptation of 3-isopropylmalate Dehydrogenase from an Extremely Piezophilic Bacterium is Attributed to a Single Amino Acid Substitution
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Genes & Development

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
30634	Yasuo Tsunaka	30 (2016) 673-686	2012B6727	BL44XU	津中 康央	Integrated Molecular Mechanism Directing Nucleosome Reorganization by Human FACT
			2013A6830	BL44XU	津中 康央	
			2013B6830	BL44XU	津中 康央	
			2014A6931	BL44XU	津中 康央	
			2014B6931	BL44XU	津中 康央	

Geophysical Research Letters

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
30458	Akihiro Yamada	34 (2007) L10303	2002B0080	BL04B1	井上 徹	In-situ X-ray Experiment on the Structure of Hydrrous Mg-silicate Melt under High Pressure and High Temperature
			2003A0338	BL04B1	井上 徹	

Gondwana Research

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
30601	Jian Han	31 (2016) 150-163	2012B1113	BL20XU	小宮 剛	Divergent Evolution of Medusozoan Symmetric Patterns: Evidence from the Microanatomy of Cambrian Tetramerous Cubozoans from South China

Heteroatom 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
30754	Masahiko Saito	25 (2014) 556-564	2014A1530	BL46XU	尾坂 格	Effect of Oxygen-Containing Functional Side Chains on the Electronic Properties and Photovoltaic Performances in a Thiophene-Thiazolothiazole Copolymer System

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
30535	Takashi Segi	237 (2016) 7	2013B1508	BL09XU	世木 隆	Synchrotron Radiation-Based ⁶¹ Ni Mössbauer Spectroscopic Study of Li(Ni _{1/3} Mn _{1/3} Co _{1/3})O ₂ Cathode Materials of Lithium Ion Rechargeable Battery
			2014A1552	BL09XU	世木 隆	
			2014B1649	BL09XU	世木 隆	

IEEE Transactions on Applied Superconductivity

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
30314	Takashi Usami	26 (2016) 8400104	2015A1989	BL46XU	吉田 隆	Influence of Artificial Pinning Centers on Strain Effect in BaHfO ₃ -doped GdBa ₂ Cu ₃ O ₇ -Coated Conductors Fabricated by Pulsed Laser Deposition

International Journal of Fatigue

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
30565	Taizo Makino	(2016) Available online 11 Feb. 2016	2012B1735	BL19B2	牧野 泰三	Effect of Defect Shape on Rolling Contact Fatigue Crack Initiation and Propagation in High Strength Steel
			2011A1787	BL46XU	牧野 泰三	
			2011B1955	BL46XU	牧野 泰三	
			2012A1596	BL46XU	牧野 泰三	
			2013A1307	BL46XU	梶原 堅太郎	
			2012B1306	BL46XU	梶原 堅太郎	

International Journal of Hydrogen Energy

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
30629	Satoshi Ogawa	40 (2015) 11895-11901	2013A1589	BL01B1	小川 智史	Hydrogen Storage of Binary Nanoparticles Composed of Mg and Pd

International Journal of Solids 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
30614	Han Li	81 (2016) 151-159	2012A1205	BL20XU	戸田 裕之	Identification of Material Properties using Nanoindentation and Surrogate Modeling
			2012B1013	BL20XU	戸田 裕之	
			2013A1537	BL20XU	戸田 裕之	
			2013B1027	BL20XU	戸田 裕之	

Journal of Applied Crystallography

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
30467	Anli Yang	48 (2015) 1896-1900	2011B4508	BL15XU	坂田 修身	Atomic Disorder of Li _{0.5} Ni _{0.5} O Thin Films Caused by Li Doping: Estimation from X-ray Debye-Waller Factors
			2012A4505	BL15XU	坂田 修身	
			2012B4505	BL15XU	Yang Anli	
			2014B4900	BL15XU	吉本 護	

Journal of Astronomical Telescopes, Instruments, and Systems

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
30301	Satoshi Sugita	2 (2016) 014002	2012B1085	BL20B2	粟木 久光	Studies of Print-through and Reflectivity of X-ray Mirrors using Thin Carbon-Fiber-Reinforced Plastic
			2013A1483	BL20B2	粟木 久光	
			2013B1423	BL20B2	粟木 久光	
			2014B1191	BL20B2	粟木 久光	

The Journal of Biochemistry

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
30461	Yohta Fukuda	(2016) First published online: Jan. 14, 2016	2015B8047	BL3	溝端 栄一	Redox-Coupled Structural Changes in Nitrite Reductase Revealed by Serial Femtosecond and Microfocus Crystallography

The Journal of Chemical Physics

30490	Satoshi Kameoka	144 (2016) 034703	2014A4900	BL15XU	小廣 和哉	Insights into the Dominant Factors of Porous Gold for CO Oxidation
			2014B4901	BL15XU	亀岡 聡	
			2015B4900	BL15XU	亀岡 聡	
			2013B4903	BL15XU	亀岡 聡	
			2013B4901	BL15XU	亀岡 聡	
			2013A4900	BL15XU	亀岡 聡	
			2013A4902	BL15XU	亀岡 聡	

Journal of Crystal Growth

30706	Yen-Chung Lai	413 (2015) 100-104	2011B4127	BL12B2	Du Chao Hung	Self-Adjusted Flux for the Traveling Solvent Floating Zone Growth of YBaCuFeO ₅ Crystal
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Journal of Display Technology

30477	Takatoshi Orui	11 (2015) 518-522	2014A4701	BL15XU	神谷 利夫	Charge Compensation by Excess Oxygen in Amorphous In-Ga-Zn-O Films Deposited by Pulsed Laser Deposition
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Journal of Electroanalytical Chemistry

30350	Naoya Nishi	759 (2015) 129-136	2011A1187	BL37XU	西 直哉	Potential Dependent Structure of an Ionic Liquid at Ionic Liquid/Water Interface Probed by X-ray Reflectivity Measurements
			2011B1394	BL37XU	西 直哉	
			2012A1257	BL37XU	西 直哉	
			2012B1170	BL13XU	西 直哉	
			2014B1058	BL37XU	西 直哉	

Journal of Fiber Science and Technology

30336	Kazuyuki Suzuta	72 (2016) 1-8	2012B1385	BL43IR	伊藤 廉	Evaluation of Cysteic Acid in Bleached Hair Using Infrared Spectroscopy
			2014A1563	BL43IR	伊藤 廉	
			2014B1591	BL43IR	伊藤 廉	
			2015A1654	BL43IR	渡邊 紘介	

Journal of Magnetism and Magnetic Materials

30525	Akane Agui	408 (2016) 41-45	2014B1121	BL08W	安居院 あかね	The Study of the Magnetization Process of Fe Film by Magnetic Compton Scattering and Mössbauer Spectroscopy
			2013B1132	BL08W	安居院 あかね	
			2012B1235	BL08W	安居院 あかね	
			2011A1115	BL08W	桜井 浩	
			2010A1458	BL08W	桜井 浩	

Journal of Microscopy

30285	Ryuta Mizutani	261 (2016) 57-66	2013A1384	BL37XU	鈴木 芳生	A Method for Estimating Spatial Resolution of Real Image in the Fourier Domain
			2013B0041	BL47XU	水谷 隆太	
			2014A1057	BL37XU	水谷 隆太	

Journal of Molecular Liquids

30429	Hikari Watanabe	(2015) Available online 18 Aug. 2015	2012A1571	BL04B2	土井 寛之	Hydrogen Bond in Imidazolium Based Protic and Aprotic Ionic Liquids
			2012B1709	BL04B2	土井 寛之	
			2012A1669	BL04B2	梅林 泰宏	
			2012A1682	BL04B2	上野 和英	

The Journal of Physical Chemistry B

30287	Hiroki Uehara	119 (2015) 15909-15918	2012B1117	BL40B2	上原 宏樹	Phase Transition during Heating of Nanostructured Ultrahigh Molecular Weight Polyethylene Membranes
			2015A1161	BL40B2	上原 宏樹	

The Journal of Physical Chemistry C

30559	Miki Osaka	119 (2015) 24307-24314	2012B1971	BL03XU	小川 紘樹	Nanostructures for Efficient Hole Transport in Poly(3-hexylthiophene) Film: A Study by Conductive Atomic Force Microscopy
			2013B1881	BL03XU	小川 紘樹	

Journal of Physics: Conference Series

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
30713	Hidenori Toyokawa	425 (2013) 062014	2012B1866	BL14B2	豊川 秀訓	CdTe Pixel Detector Development at SPring-8

Journal of Polymer Science Part B: Polymer Physics

30349	Emmanuel C. Ossai	54 (2016) 730-738	2011B1307	BL40B2	古澤 和也	Morphology and Properties of Globular Polymeric Materials in the Solid State: A Composite Material of DNA with a Cationic Surfactant
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Journal of Thermal Analysis and Calorimetry

30435	Yukari Oka	123 (2016) 1883-1890	2010A1335	BL45XU	猿山 靖夫	Temperature-modulated X-ray Diffractometry Applied to a Study on Calorimetric and Structural Change of Semicrystalline Poly(ethylene oxide)
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JPS Conference Proceedings

30282	Hiroki Iwase	8 (2015) 033012	2013A1435	BL40B2	吉村 倫一	SANS and SAXS Studies on the Aggregates Properties of A Gemini-Type Amphiphilic Dendrimer in Solution
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Key Engineering Materials

30715	Sumio Hosaka	534 (2013) 122-125	2012B1744	BL39XU	保坂 純男	Measurement of Coercive Force Enhanced by Nanometer-Sizing of Magnetic Dot by X-ray Magnetic Circular Dichroism (XMCD)
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Materials Science and Engineering: A

30613	Md. Shahnewaz Bhuiyan	655 (2016) 221-228	2013B1324	BL20XU	戸田 裕之	Combined Microtomography, Thermal Desorption Spectroscopy, X-ray Diffraction Study of Hydrogen Trapping Behavior in 7XXX Aluminum Alloys
			2014A1018	BL20XU	戸田 裕之	
			2014B1157	BL20XU	戸田 裕之	

Metallurgical and Materials Transactions A

30420	Ming Yan	46 (2015) 41-45	2013B1052	BL04B2	Yan Ming	<i>In Situ</i> Synchrotron Radiation Study of TiH ₂ -6Al-4V and Ti-6Al-4V: Accelerated Alloying and Phase Transformation, and Formation of an Oxygen-Enriched Ti ₄ Fe ₂ O Phase in TiH ₂ -6Al-4V
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Metrologia

30351	Takahiro Tanaka	53 (2016) 98-102	装置&技術	BL3		Determination of X-ray Free Electron Laser Power using a Room-Temperature Calorimeter
			2013A8060	BL3: EH2	登野 健介	

Microbes and Environments

30714	Satoshi Mitsunobu	31 (2016) 63-69	2012B1386	BL01B1	光延 聖	Direct Detection of Fe(II) in Extracellular Polymeric Substances (EPS) at the Mineral-Microbe Interface in Bacterial Pyrite Leaching
			2014A1493	BL01B1	光延 聖	
			2014B1267	BL01B1	光延 聖	

Microelectronic Engineering

30628	Tomoyuki Suwa	109 (2013) 197-199	2010A1660	BL27SU	寺本 章伸	Angle-Resolved Photoelectron Spectroscopy Study on Interfacial Transition Layer and Oxidation-Induced Residual Stress in Si(100) Substrate Near the Interface
			2010B1723	BL27SU	寺本 章伸	
			2011A1654	BL27SU	寺本 章伸	

Nanoscale

30497	Ryo Ishida	8 (2016) 2544-2547	2015A1590	BL01B1	山添 誠司	Repeated Appearance and Disappearance of Localized Surface Plasmon Resonance in 1.2 nm Gold Clusters Induced by Adsorption and Desorption of Hydrogen Atoms
			2014B1430	BL01B1	山添 誠司	
			2014A1458	BL01B1	山添 誠司	

Nature

30579	Kazuhiro Kashiwagi	531 (2016) 122-125	2012A1335	BL41XU	伊藤 拓宏	Crystal Structure of Eukaryotic Translation Initiation Factor 2B
			2012B1572	BL41XU	伊藤 拓宏	
			理研	BL32XU		

Nature 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
30710	Shun Sakaida	8 (2016) 377-383	2010B1468	BL13XU	北川 宏	Crystalline Coordination Framework Endowed with Dynamic Gate-Opening Behaviour by Being Downsized to a Thin Film
			2011A1382	BL13XU	北川 宏	
			2011A1463	BL13XU	大坪 主弥	
			2011B1013	BL13XU	北川 宏	
			2011B1529	BL13XU	北川 宏	
			2012A1505	BL13XU	大坪 主弥	
			2012A1508	BL13XU	北川 宏	
			2012B1518	BL02B2	北川 宏	
			2012B1304	BL13XU	北川 宏	
			2013A1146	BL13XU	北川 宏	
2013A1486	BL13XU	大坪 主弥				
2013B1410	BL13XU	北川 宏				

Nature Photonics

30757	Varun Vohra	9 (2015) 403-408	2014A1530	BL46XU	尾坂 格	Efficient Inverted Polymer Solar Cells Employing Favourable Molecular Orientation
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NPG Asia Materials

30329	Chung-Fu Cheng	7 (2015) e170	2012B4133	BL12B2	Hwang Bing Joe	Nanoporous Gyroid Platinum with High Catalytic Activity from Block Copolymer Templates via Electroless Plating
			2013A4126	BL12B2	Hwang Bing Joe	

Paediatric Research

30741	Arjan Te Pas	(2016) Preview online 18 Mar. 2016	2012B1380	BL20B2	Hooper Stuart	Optimizing Lung Aeration at Birth using a Sustained Inflation and Positive Pressure Ventilation in Preterm Rabbits
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Physical Review Letters

30536	Simon Moser	115 (2015) 096404	2013B7455	BL07LSU	Grioni Marco	Electron-Phonon Coupling in the Bulk of Anatase TiO ₂ Measured by Resonant Inelastic X-Ray Spectroscopy
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PLoS One

30421	Takayoshi Wakagi	11 (2016) e0147333	2002B0781	BL40B2	伏信 進矢	Archaeal Mo-Containing Glyceraldehyde Oxidoreductase Isozymes Exhibit Diverse Substrate Specificities through Unique Subunit Assemblies
			2003A0729	BL38B1	伏信 進矢	
			2002A0238	BL40B2	伏信 進矢	

PLoS Pathogens

30511	Tao-Hsin Chang	9 (2013) e1003563	2013A4001	BL12B2	Wang Andrew	Crystal Structure of Vaccinia Viral A27 Protein Reveals a Novel Structure Critical for Its Function and Complex Formation with A26 Protein
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Polycyclic Arenes and Heteroarenes: Synthesis, Properties, and Applications

30432	Shigeru Yamago	(2015) 143-162	2012B1790	BL02B1	山子 茂	Cycloparaphenylenes and Carbon Nanorings
			2013A1661	BL02B1	山子 茂	
			2013B1126	BL02B1	山子 茂	
			2014A1734	BL02B1	山子 茂	
			2014B1203	BL02B1	山子 茂	
			2015A1919	BL02B1	山子 茂	
2015B1311	BL02B1	山子 茂				

Polymer Chemistry

30758	Kazuaki Kawashima	4 (2013) 5224-5227	2012A1241	BL19B2	小金澤 智之	5,10-Diborylated Naphtho[1,2-c:5,6-c']bis[1,2,5]thiadiazole: a Ready-to-Use Precursor for the Synthesis of High-Performance Semiconducting Polymers
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Proceedings of the 59th Annual Conference on Magnetism and Magnetic Materials

30793	Masaki Mizuguchi	59 (2014) 821-822	2012B4911	BL15XU	水口 将輝	Electronic Structures of L10-ordered FeNi Thin Films Studied by Photoelectron Spectroscopy
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Protein Science

研究成果番号	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
30280	Rei Matsuoka	25 (2016) 754-768	2012B1657	BL26B1	松岡 礼	Rational Design of Crystal Contact-Free Space in Protein Crystals for Analyzing Spatial Distribution of Motions within Protein Molecules

Research on Chemical Intermediates

30514	Shun Nishimura	42 (2016) 19-30	2014B1472	BL01B1	西村 俊	Reductive Amination of Furfural toward Furfurylamine with Aqueous Ammonia under Hydrogen over Ru-supported Catalyst
			2015A1389	BL01B1	穴戸 哲也	

RSC Advances

30759	Masahiro Akita	6 (2016) 16437-16447	2013B1719	BL19B2	尾坂 格	Amide-Bridged Terphenyl and Dithienylbenzene Units for Semiconducting Polymers
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Science

30654	Genki Kobayashi	351 (2016) 1314-1317	2013A1704	BL02B2	小林 玄器	Pure H ⁻ Conduction in Oxyhydrides
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Science and Technology of Advanced Materials

30760	Itaru Osaka	15 (2014) 024201	2013B1719	BL19B2	尾坂 格	5,10-linked Naphthodithiophenes as the Building Block for Semiconducting Polymers
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Semiconductor Science and Technology

30388	Kayo Horibuchi	31 (2016) 034002	2011B5370	BL16B2	山口 聡	Formation of Helical Dislocations in Ammonothermal GaN Substrate by Heat Treatment
			2012A5370	BL16B2	山口 聡	
			2012B5370	BL16B2	山口 聡	
			2013A5370	BL16B2	山口 聡	

Soil Science Society of America Journal

30545	Yohey Hashimoto	80 (2016) 55-63	2012A1707	BL37XU	山口 紀子	Zerovalent Iron with High Sulfur Content Enhances the Formation of Cadmium Sulfide in Reduced Paddy Soils
			2012B1607	BL37XU	山口 紀子	
			2014B1320	BL37XU	橋本 洋平	

SPIE Proceedings

30736	Minoru Toriumi	9779 (2016) 97790G	2015B4600	BL15XU	山下 良之	Characterization of 'Metal Resist' for EUV Lithography
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Surface and Interface Analysis

30739	Takashi Doi	(2016) online published 17 Mar. 2016	2012B3806	BL23SU	土井 教史	Investigation of Segregation during Oxidation of Ni-Cu Alloy by <i>in situ</i> Photoelectron Spectroscopy
			2013A3871	BL23SU	土井 教史	
			2013B3871	BL23SU	土井 教史	
			2014A3871	BL23SU	土井 教史	
			2014B3871	BL23SU	土井 教史	
			2015A3871	BL23SU	土井 教史	

Surface Science

30568	Shin-ichi Nagamatsu	648 (2016) 100-113	2013B7805	BL36XU	岩澤 康裕	Structural and Electronic Transformations of Pt/C, Pd@Pt(1 ML)/C and Pd@Pt(2 ML)/C Cathode Catalysts in Polymer Electrolyte Fuel Cells during Potential-step Operating Processes Characterized by In-situ Time-resolved XAFS
			2013A7801	BL36XU	岩澤 康裕	
			2013B7806	BL36XU	岩澤 康裕	
			2013B7802	BL36XU	岩澤 康裕	
			2014A7805	BL36XU	岩澤 康裕	
			2012B1023	BL40XU	岩澤 康裕	
			2012B1022	BL01B1	岩澤 康裕	
			2012A1004	BL40XU	岩澤 康裕	
			2012A1026	BL01B1	岩澤 康裕	
			2012A1692	BL40XU	岩澤 康裕	
			2013A7802	BL36XU	岩澤 康裕	
			2014A7800	BL36XU	岩澤 康裕	
			2014B7800	BL36XU	岩澤 康裕	
			2014B7801	BL36XU	岩澤 康裕	

Thin Solid Films

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
30300	Yuji Muraoka	559 (2016) 125-132	2011B1376	BL27SU	村岡 祐治	Preparation of TaO ₂ Thin Films using NbO ₂ Template Layers by a Pulsed Laser Deposition Technique
			2012B1673	BL27SU	藤本 佑樹	

Tribology Letters

30605	Kazuyuki Yagi	61 (2016) 19	2013B7021	BL33XU	林 雄二郎	Simultaneous Synchrotron X-ray Diffraction, Near-Infrared, and Visible In Situ Observation of Scuffing Process of Steel in Sliding Contact
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材料技術 (Material Technology)

30299	Yasushi Idemoto	33 (2015) 126-133	2011A1853	BL19B2	井手本 康	Effects of TiF ₃ Addition on Properties and Ferroelectric Performance of (Bi,Ln) ₄ Ti ₃ O ₁₂ -based Ferroelectric Materials
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ニチアス技術技報 (Nichiasu Technical Report)

30661	Masakazu Kobayashi	369 (2015) 9-14	2013B1027	BL20XU	戸田 裕之	X-ray Microtomography Technology Utilized in Recent Materials Research
			2013B1324	BL20XU	戸田 裕之	
			2014A1018	BL20XU	戸田 裕之	

日本応用磁気学会誌 (Journal of the Magnetics Society of Japan)

30794	Yasushi Hayashi	37 (2013) 198-201	2012B1722	BL19B2	水口 将輝	Synthesis and Characterization of L1 ₀ -FeNi Powders
			2012A1604	BL19B2	水口 将輝	
			2012B1899	BL19B2	水口 将輝	

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

30630	Satoshi Ogawa	79 (2015) 118-123	2013A1589	BL01B1	小川 智史	Spectroscopic Investigation of the Chemical State of the Hydrogen Storage Materials Composed of the Metal Nanoparticles
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日本結晶学会誌 (Journal of the Crystallographic Society of Japan)

30431	Takahiro Iwamoto	57 (2015) 239-244	2013A1661	BL02B1	山子 茂	Structural Investigation of Cycloparaphenylene-Fullerene Supramolecular Complexes Using Synchrotron Radiation and Theoretical Calculation
			2013B1126	BL02B1	山子 茂	

熱測定 (Calorimetry and Thermal Analysis)

30460	Kahori Yokota	43 (2016) 32-38	2011B1851	BL19B2	吉田 博久	Safe Decontamination of Forestry and Agricultural Wastes Including Radiocesium
			2011B1310	BL37XU	吉田 博久	

粘土科学 (Journal of the Clay Science Society of Japan)

30705	Masafumi Okawara	54 (2016)	2012B1458	BL40B2	大河原 正文	Comparison between Frictional Force in Micro Region and Residual Strength of High Purity Clay
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まてりあ (Materia Japan)

30640	Hiroshi Sakurai	54 (2015) 621-625	2013A1270	BL08W	桜井 浩	Symmetry of Chemical Bonds and Their Magnetic Field Dependence in Perpendicular Magnetic Anisotropy Films Measured by Magnetic Compton Scattering
			2014A1171	BL08W	桜井 浩	

博士論文 (京都大学) -1

30620	Meichuan Chen	(2016)	2013A1144	BL28B2	柴田 暁伸	Synchrotron Radiation X-ray Diffraction Study on Microstructural and Crystallographic Characteristics of Deformation-Induced Martensitic Transformation in SUS304 Austenitic Stainless Steel
			2013B1547	BL28B2	柴田 暁伸	
			2014A1578	BL28B2	柴田 暁伸	
			2014B1637	BL28B2	柴田 暁伸	
			2015B1021	BL28B2	柴田 暁伸	
			2015B1773	BL28B2	陳 美伝	

博士論文 (京都大学) -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
30670	Ryo Mashita	(2016)	2012B1262	BL20B2	間下 亮	Study on Static and Dynamic Structure of Crosslinked Rubber with Reinforcing Agent by Quantum Beam
			2011B1254	BL20B2	間下 亮	
			2013A1248	BL20B2	間下 亮	
			2013B1127	BL20B2	間下 亮	
			2014A1183	BL20B2	間下 亮	
			2010A1746	BL40B2	間下 亮	
			2010B1932	BL19B2	間下 亮	
			2010B7264	BL03XU	岸本 浩通	
			2011B1244	BL20XU	岸本 浩通	
			2011B7260	BL03XU	岸本 浩通	
			2012A1686	BL20XU	岸本 浩通	
			2012A7210	BL03XU	岸本 浩通	
			2013A1441	BL20B2	上杉 健太郎	
2012A1286	BL20B2	間下 亮				

博士論文 (東北大学)

30518	Jiayi Tang	(2016) 1-265	2012A3808	BL23SU	小川 修一	Study of Growth and Decomposition Reaction Mechanisms of Very Thin SiO ₂ Layer for Si CMOS Gate Stack
			2013A3874	BL23SU	小川 修一	
			2013B3874	BL23SU	小川 修一	
			2014A3874	BL23SU	小川 修一	
			2015A3802	BL23SU	吉越 章隆	
			2015A3874	BL23SU	小川 修一	
			2015B3801	BL23SU	吉越 章隆	
30544	Yoshihiro Ojiro	(2016) 1-193	2009A1890	BL47XU	池永 英司	Study of LSI Interconnect Applicable Networked-Nanographite Grown by Photoemission-Assisted Plasma-Enhanced CVD
			2009B1932	BL47XU	池永 英司	
			2010A1791	BL47XU	池永 英司	
			2010B1866	BL47XU	池永 英司	
			2012B3808	BL23SU	小川 修一	
			2014B1370	BL27SU	小川 修一	
			2014B3874	BL23SU	小川 修一	

博士論文 (北陸先端科学技術大学院大学)

30305	Jaya Tuteya	(2015)	2014B1472	BL01B1	西村 俊	Studies on Development of Heterogeneous Catalytic System for Transformations of Inedible Biomass into Valuable Chemicals
			2014B1036	BL01B1	穴戸 哲也	
30308	Hemant Choudhary	(2015)	2012B1610	BL01B1	西村 俊	Studies on Preparation of Novel Materials as Highly-Pertinent Heterogeneous Catalysts using Solvothermal Method
			2013B1478	BL01B1	穴戸 哲也	
			2014B1472	BL01B1	西村 俊	

博士論文 (University of Copenhagen)

30590	Tomas Stankevic	(2016)	2013B3519	BL11XU	Krogstrup Peter	Structural Investigations of Nanowires using X-ray Diffraction
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博士論文 (岡山大学)

30396	Chiaki Mise	(2014)	2012A1745	BL14B2	三瀬 千暁	Study of Heavy Metal in Soil Made Insoluble by Hydroxyapatite Prepared from Cattle Bones
			2012B1867	BL14B2	三瀬 千暁	

博士論文 (九州大学)

30584	Tomoki Uchiyama	(2016)	2011A1748	BL14B2	西堀 麻衣子	Structural Study on Pd Containing Perovskite-type Oxides by X-ray Absorption Spectroscopy
			2012A1459	BL01B1	寺岡 靖剛	
			2012B1495	BL01B1	西堀 麻衣子	
			2012B1614	BL28B2	寺岡 靖剛	
			2012B1702	BL01B1	内山 智貴	
			2013A1556	BL01B1	寺岡 靖剛	
			2013A1608	BL01B1	内山 智貴	
			2014B1477	BL28B2	西堀 麻衣子	
			2014B1768	BL01B1	内山 智貴	
			2014B1861	BL28B2	内山 智貴	
			2014A1433	BL28B2	寺岡 靖剛	
			2015A1613	BL28B2	西堀 麻衣子	
			2015A1814	BL28B2	内山 智貴	

博士論文 (東京大学)

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
30577	Ichiro Inoue	(2016)	2012A1562	BL40XU	井上 伊知郎	Developments of Photon-Beam Diagnostic Methods for X-ray Free-Electron Lasers and a Femtosecond X-ray-X-ray Pump-Probe Scheme

博士論文 (兵庫県立大学)

30606	Yui Sakaguchi	(2016)	2014A1652	BL39XU	阪口 友唯	Structural Properties and Electronic States in Heavy Fermion YbAlB ₄ Under High Pressure
			2012B1519	BL39XU	池田 修悟	
			2013A1368	BL39XU	小林 寿夫	
			2015A0046	BL39XU	渡辺 真仁	
			2012A1103	BL10XU	池田 修悟	
			2011A1450	BL09XU	小林 寿夫	
			2012B1521	BL09XU	小林 寿夫	
			2013A0086	BL09XU	瀬戸 誠	
			2013B1393	BL09XU	小林 寿夫	
2015A1458	BL09XU	小林 寿夫				

課題以外の成果として登録された論文

Applied Physics Letters

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	タイトル
30528	Nicolas Burdet	108 (2016) 071103	光学系	BL29XU	Efficient Use of Coherent X-rays in Ptychography: Towards High-Resolution and High-Throughput Observation of Weak-Phase Objects

The European Physical Journal - Special Topics

30413	Yoshikazu Tanaka	208 (2012) 67-74	理研	BL17SU	Determination of Absolute Chirality using Resonant X-ray Diffraction
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The Journal of Biochemistry

30618	Mayumi Kanagawa	159 (2016) 313-321	理研	BL26B2	Crystal Structures and Ligand Binding of PurM Proteins from <i>Thermus thermophilus</i> and <i>Geobacillus kaustophilus</i>
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Journal of Electron Spectroscopy and Related Phenomena

30401	Takashi Tokushima	177 (2010) 192-205	理研	BL17SU	High Resolution X-ray Emission Spectroscopy of Water and its Assignment Based on Two Structural Motifs
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Physical Chemistry Chemical Physics

30399	Takashi Tokushima	16 (2014) 10753-10761	理研	BL17SU	Solvation Dependence of Valence Electronic States of Water Diluted in Organic Solvents Probed by Soft Spectroscopy
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Physical Review B

30410	Yoshikazu Tanaka	81 (2010) 144104	理研	BL17SU	Determination of Structural Chirality of Berlinite and Quartz using Resonant X-ray Diffraction with Circularly Polarized X-rays
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Physical Review Letters

30409	Yoshikazu Tanaka	109 (2012) 127205	理研	BL17SU	Incommensurate Orbital Modulation behind Ferroelectricity in CuFeO ₂
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Physical Review Special Topics - Accelerators and Beams

30604	Akihiko Mizuno	19 (2016) 024201	加速器		New Beam-Tracking Simulation Code Using Bulk-to-Point Calculation Technique for Space Charge Fields
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Scientific Reports

30617	Masatoshi Wakamori	5 (2015) 17204	理研	BL32XU	Intra- and Inter-Nucleosomal Interactions of the Histone H4 Tail Revealed with a Human Nucleosome Core Particle with Genetically-Incorporated H4 Tetra- Acetylation
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