

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(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	20	Nature Communications	6
Journal of the Physical Society of Japan	11	Acta Crystallographica Section F	5
Journal of the American Chemical Society	10	AIP Conference Series	5
Angewandte Chemie International Edition	7	博士論文(大阪大学)	5
Physical Review B	7	Nuclear Instruments and Methods in Physics Research Section A	5
The Journal of Physical Chemistry C	7		
ACS Catalysis	6	Proceedings of the National Academy of Sciences of the United States of America	5
Inorganic Chemistry	6		
Nature	6		

他全186誌、計356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
32149	Yuki Orikasa	6 (2016) 26382	2013B1022	BL47XU	内本 喜晴	Ionic Conduction in Lithium Ion Battery Composite Electrode Governs Cross-Sectional Reaction Distribution
			2014B1816	BL01B1	折笠 有基	
			2013B1013	BL47XU	小久見 善八	
32153	Kei Sugiura	6 (2016) 25154	2015B1848	BL14B2	関根 泰	Low-Temperature Catalytic Oxidative Coupling of Methane in an Electric Field over a Ce-W-O Catalyst System
32184	Yoshiya Yamamoto	6 (2016) 30946	2013B4127	BL12B2	水木 純一郎	Origin of Pressure-induced Superconducting Phase in $K_xFe_{2-y}Se_2$ Studied by Synchrotron X-ray Diffraction and Spectroscopy
			2013B4256	BL12XU	水木 純一郎	
			2014A4257	BL12XU	水木 純一郎	
32238	Takao Shimizu	6 (2016) 32931	2014B4704	BL15XU	清水 荘雄	The Demonstration of Significant Ferroelectricity in Epitaxial Y-Doped HfO_2 Film
			2014A4702	BL15XU	吉松 公平	
32244	Ryuta Mizutani	6 (2016) 35061	2011A0034	BL20XU	水谷 隆太	Three-Dimensional X-ray Visualization of Axonal Tracts in Mouse Brain Hemisphere
			2013A1441	BL20B2	上杉 健太郎	
			2014B1096	BL20B2	水谷 隆太	
			2015A1160	BL20XU	水谷 隆太	
			2015B1101	BL20XU	水谷 隆太	
32251	Lars-Philip Oloff	6 (2016) 35087	2015A8016	BL2	大浦 正樹	Time-Resolved HAXPES using a Microfocused XFEL Beam: From Vacuum Space-Charge Effects to Intrinsic Charge-Carrier Recombination Dynamics
			2015B8003	BL2	大浦 正樹	
			理研	BL17SU		
32257	Shoichiro Horita	6 (2016) 35297	2015A1104	BL41XU	野村 紀通	High-Resolution Crystal Structure of the Therapeutic Antibody Pembrolizumab Bound to the Human PD-1
			2016A2570	BL41XU	野村 紀通	
32327	Shunsuke Kimura	6 (2016) 33548	2011A1052	BL41XU	深井 周也	Distinct Roles for the N- and C-terminal Regions of M-Sec in Plasma Membrane Deformation during Tunneling Nanotube Formation
			2010B1977	BL32XU	深井 周也	
			2010A1815	BL41XU	深井 周也	
			2010A1904	BL41XU	深井 周也	
			2010A1939	BL41XU	深井 周也	
32388	Yoshihiro Tsujimoto	6 (2016) 36253	2013A1135	BL39XU	辻本 吉廣	Pressure-Driven Spin Crossover Involving Polyhedral Transformation in Layered Perovskite Cobalt Oxyfluoride
32404	Fumihiko Matui	6 (2016) 36258	2015B1007	BL25SU	松井 文彦	Photoelectron Holographic Atomic Arrangement Imaging of Cleaved Bimetal-intercalated Graphite Superconductor Surface
			2015A0116	BL25SU	林 好一	
32410	Jiadong Fan	6 (2016) 34008	2012A8045	BL3	Earnest Thomas	Single-Pulse Enhanced Coherent Diffraction Imaging of Bacteria with an X-ray Free-Electron Laser
32439	Satoshi Matsuyama	6 (2016) 24801	2015B8013	BL3	山内 和人	Nearly Diffraction-Limited X-ray Focusing with Variable-Numerical-Aperture Focusing Optical System Based on Four Deformable Mirrors
			理研	BL29XU		
32501	Chiaki Okada	6 (2016) 32822	2011B1385	BL41XU	姚 閔	Crystal Structures of the UDP-diacetylglucosamine Pyrophosphohydrolase LpxH from <i>Pseudomonas aeruginosa</i>
32601	Michio Okada	6 (2016) 31101	2015A3870	BL23SU	岡田 美智雄	Experimental and Theoretical Studies on Oxidation of Cu-Au Alloy Surfaces: Effect of Bulk Au Concentration
			2015B3870	BL23SU	岡田 美智雄	
			2015B3801	BL23SU	吉越 章隆	
32665	Shinichirou Minemoto	6 (2016) 38654	2014B8022	BL3	柳下 明	Structure Determination of Molecules in an Alignment Laser Field by Femtosecond Photoelectron Diffraction using an X-ray Free-Electron Laser
			2015A8020	BL3	柳下 明	
32687	Jun Fujioka	5 (2015) 13207	2012A1009	BL02B1	有馬 孝尚	Ferroelectric-Like Metallic State in Electron Doped $BaTiO_3$
			理研	BL44B2		

Journal of the Physical Society of Japan-1

32185	Michal Valiska	84 (2015) 084707	2014B3821	BL23SU	竹田 幸治	Gradual Localization of $5f$ States in Orthorhombic UTX Ferromagnets: Polarized Neutron Diffraction Study of Ru Substituted UCoGe
			2014A3821	BL23SU	竹田 幸治	
32186	Yasuhiro Matsuda	85 (2016) 115001	2014A1217	BL39XU	松田 康弘	Valence State in $CeIrIn_5$ at High Magnetic Fields of up to 42 T

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
32192	Yoshihiko Kobayashi	85 (2016) 114704	2013B1385	BL47XU	大川 万里生	Ce Core-Level Spectroscopy, and Magnetic and Electrical Transport Properties of Lightly Ce-Doped YCoO ₃
			2015B1019	BL47XU	齋藤 智彦	
			2015B1340	BL47XU	齋藤 智彦	
			2016A1313	BL47XU	大川 万里生	
32222	Shinobu Aoyagi	85 (2016) 094605	2013A0100	BL02B1	青柳 忍	Tunneling Motion and Antiferroelectric Ordering of Lithium Cations Trapped inside Carbon Cages
32242	Yasuo Narumi	85 (2016) 114705	2010B1688	BL25SU	森岡 貴之	Evidence of Charge Transfer and Orbital Magnetic Moment in Multiferroic CuFeO ₂
			2012A1466	BL25SU	鳴海 康雄	
			2012B1322	BL25SU	鳴海 康雄	
			2013B1220	BL25SU	鳴海 康雄	
32299	Yuji Saitoh	85 (2016) 114713	2011B3834	BL23SU	関山 明	Electronic Structures of Ferromagnetic CeAgSb ₂ : Soft X-ray Absorption, Magnetic Circular Dichroism, and Angle-Resolved Photoemission Spectroscopies
			2012A3834	BL23SU	齋藤 祐児	
			2012B3834	BL23SU	齋藤 祐児	
32300	Masaaki Kobata	85 (2016) 094703	2013B3822	BL23SU	小島 雅明	Electronic Structure of EuAl ₄ Studied by Photoelectron Spectroscopy
			2013A3820	BL23SU	藤森 伸一	
32646	Hidenori Fujiwara	81 (2012) SB069	2000B0338	BL25SU	菅 滋正	Soft- and Hard-X-ray Photoemission Spectroscopy of La _{2-2x} Sr _{1+2x} Mn ₂ O ₇
			2001A0129	BL25SU	関山 明	
			2003A0593	BL25SU	関山 明	
			2004B0396	BL25SU	菅 滋正	
			2005A0383	BL25SU	藤原 秀紀	
			理研	BL19LXU		

Angewandte Chemie International Edition

32193	Liu Xiao	55 (2016) 7943-7947	2014A1560	BL14B2	前川 佳史	Heterogeneous Catalysis for Water Oxidation by an Iridium Complex Immobilized on Bipyridine-Periodic Mesoporous Organosilica
			2013B1833	BL14B2	原 賢二	
32199	Ryo Kamai	55 (2016) 13184-13188	2015B1174	BL01B1	神谷 和秀	Oxygen-Tolerant Electrodes with Platinum-Loaded Covalent Triazine Frameworks for the Hydrogen Oxidation Reaction
			2016A1120	BL01B1	神谷 和秀	
			2016A1464	BL01B1	神谷 和秀	
32233	Masaki Shimada	55 (2016) 3022-3026	2015A1367	BL02B1	山野井 慶徳	Bright Solid-State Emission of Disilane-Bridged Donor-Acceptor-Donor and Acceptor-Donor-Acceptor Chromophores
32253	Hirosuke Matsui	55 (2016) 12022-12025	2011B1889	BL39XU	唯 美津木	Imaging of Oxygen Diffusion in Individual Platinum/Ce ₂ Zr ₂ O _x Catalyst Particles During Oxygen Storage and Release
			2013B7821	BL36XU	唯 美津木	
			2014A7821	BL36XU	唯 美津木	
			2014B7821	BL36XU	唯 美津木	
			2015A7821	BL36XU	唯 美津木	
32498	Bo-Mei Liu	55 (2016) 4967-4971	2015A0074	BL02B2	森吉 千佳子	Unconventional Luminescent Centers in Metastable Phases Created by Topochemical Reduction Reactions
32557	Taisuke Matsuno	55 (2016) 15339-15343	2015B1102	BL38B1	佐藤 宗太	Self-Sorting of Two Hydrocarbon Receptors with One Carbonaceous Ligand
			2015B1477	BL40XU	佐藤 宗太	
			2014B2016	BL26B2	佐藤 宗太	
32565	Pauline Serrano	55 (2016) 14575-14579	2015B1134	BL09XU	Wang Hongxin	Nitrosylation of Nitric-Oxide-Sensing Regulatory Proteins Containing [4Fe-4S] Clusters Gives Rise to Multiple Iron-Nitrosyl Complexes
			2013B0103	BL09XU	Cramer Stephen	
			2016A1154	BL09XU	Wang Hongxin	

The Journal of Physical Chemistry C-1

32156	Takayuki Suzuki	120 (2016) 21571-21579	2013B1240	BL02B2	近藤 篤	Structural Investigation of a Flexible MOF [Cu(BF ₄) ₂ (1,3-bis(4-pyridyl)propane) ₂] Showing Selective Gate Adsorption with Dynamic Pore-Opening/Pore-Closing Processes
			2015B1792	BL02B2	近藤 篤	
32170	Junya Ohyama	120 (2016) 15129-15136	2014B1508	BL01B1	大山 順也	Effect of FeO _x Modification of Al ₂ O ₃ on Its Supported Au Catalyst for Hydrogenation of 5-Hydroxymethylfurfural
			2016A1649	BL01B1	植田 格弥	
32203	Mika Fukunishi	120 (2016) 15017-15026	2013B1546	BL46XU	駒場 慎一	Impact of the Cut-Off Voltage on Cyclability and Passive Interphase of Sn-Polyacrylate Composite Electrodes for Sodium-Ion Batteries
			2014B1609	BL46XU	駒場 慎一	
32208	Seiichi Furukawa	120 (2016) 21235-21241	2015B1305	BL45XU	込山 英秋	Controlling Open-Circuit Voltage in Organic Solar Cells by Terminal Fluoro-Functionalization of Narrow-Bandgap π -Conjugated Molecules
32331	Satoshi Hinokuma	120 (2016) 24734-24742	2015B1463	BL01B1	日隈 聡士	Copper Oxides Supported on Aluminum Oxide Borates for Catalytic Ammonia Combustion

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
32254	Nozomu Ishiguro	120 (2016) 19642-19651	2013A7820	BL36XU	唯 美津木	Kinetics and Mechanism of Redox Processes of Pt/C and Pt ₃ Co/C Cathode Electrocatalysts in a Polymer Electrolyte Fuel Cell during an Accelerated Durability Test
			2013B7820	BL36XU	唯 美津木	
			2013B7821	BL36XU	唯 美津木	
			2014A7820	BL36XU	唯 美津木	
32581	Yoshiki Shimata	120 (2016) 17887-17897	2014B1915	BL46XU	尾坂 格	Charge Dynamics at Heterojunction between Face-on/Edge-on PCPDTBT and PCBM Bilayer: Interplay of Donor/Acceptor Distance and Local Charge Carrier Mobility
			2015A1952	BL46XU	尾坂 格	

Journal of the American Chemical Society

32216	Hefeng Cheng	138 (2016) 9316-9324	2015A1149	BL01B1	森 浩亮	Hydrogen Doped Metal Oxide Semiconductors with Exceptional and Tunable Localized Surface Plasmon Resonances
			2015B1083	BL01B1	森 浩亮	
32344	Takaaki Ikuno	137 (2015) 14533-14544	2013B1293	BL04B2	脇原 徹	Structure-Directing Behaviors of Tetraethylammonium Cations toward Zeolite Beta Revealed by the Evolution of Aluminosilicate Species Formed during the Crystallization Process
			2014A1174	BL04B2	小原 真司	
			2014A1893	BL04B2	小原 真司	
			2014B1144	BL04B2	小原 真司	
			2014B2035	BL04B2	小原 真司	
2015A0115	BL04B2	脇原 徹				
32346	Shinji Kanegawa	138 (2016) 14170-14173	2014B1471	BL02B1	佐藤 治	Directional Electron Transfer in Crystals of [CrCo] Dinuclear Complexes Achieved by Chirality-Assisted Preparative Method
			2015B1548	BL02B1	姜 舜徽	
32555	Kyle Sutherland	138 (2016) 14294-14302	2013B0105	BL09XU	Solomon Edward	Nuclear Resonance Vibrational Spectroscopic Definition of Peroxy Intermediates in Nonheme Iron Sites
32564	Ryan Gilbert-Wilson	137 (2015) 8998-9005	2014B1032	BL09XU	Wang Hongxin	Spectroscopic Investigations of [FeFe] Hydrogenase Maturated with [⁵⁷ Fe ₂ (adt)(CN) ₂ (CO) ₄] ²⁻
			2015B1134	BL09XU	Wang Hongxin	
32653	Victor Malgras	138 (2016) 13874-13881	2016A1063	BL04B2	富中 悟史	Observation of Quantum Confinement in Monodisperse Methylammonium Lead Halide Perovskite Nanocrystals Embedded in Mesoporous Silica
			2014A1419	BL13XU	大坪 主弥	
32696	Tomoyuki Haraguchi	138 (2016) 16787-16793	2014B1443	BL13XU	北川 宏	Guest-Induced Two-Way Structural Transformation in a Layered Metal–Organic Framework Thin Film
			2015A1489	BL13XU	北川 宏	
			2015B1537	BL13XU	北川 宏	
			2016A1421	BL13XU	北川 宏	

Inorganic Chemistry

32328	Zhao Pan	55 (2016) 9513-9516	2015B1127	BL44B2	Lin Kun	Giant Polarization and High Temperature Monoclinic Phase in a Lead-Free Perovskite of Bi(Zn _{0.5} Ti _{0.5})O ₃ -BiFeO ₃
			2016A1060	BL44B2	Xing Xianran	
32386	Atsunobu Masuno	54 (2015) 9432-9437	2013B1136	BL02B2	増野 敦信	Expansion of the Hexagonal Phase-Forming Region of Lu _{1-x} Sc _x FeO ₃ by Containerless Processing
			2008B1040	BL02B2	増野 敦信	
			2010A1220	BL02B2	増野 敦信	
32503	Takafumi Yamamoto	55 (2016) 12093-12099	2011B1231	BL02B2	陰山 洋	Impact of Lanthanoid Substitution on the Structural and Physical Properties of an Infinite-Layer Iron Oxide
			2011B1461	BL04B2	Tassel Cedric	
			2013A1230	BL02B2	陰山 洋	
32602	Alexei Belik	55 (2016) 12348-12356	2007A2087	BL02B2	Belik Alexei	Solid Solutions between BiMnO ₃ and BiCrO ₃
			2009A1136	BL02B2	Belik Alexei	
32614	Peng Xiong	55 (2016) 6218-6222	2016A1650	BL02B2	熊 鵬	Geometrical Spin Frustration of Unusually High Valence Fe ⁵⁺ in the Double Perovskite La ₂ LiFeO ₆
			2014B1078	BL02B2	齊藤 高志	
			2015A1014	BL39XU	島川 祐一	
32615	Mikihiro Hayashi	55 (2016) 13027-13034	2011B4907	BL15XU	大坪 主弥	An Electrically Conductive Single-Component Donor–Acceptor–Donor Aggregate with Hydrogen-Bonding Lattice
			2012B1558	BL02B1	大坪 主弥	
			2014B1440	BL02B1	北川 宏	
			2014A1406	BL02B1	北川 宏	
			2015A1523	BL02B1	北川 宏	
2015A1535	BL02B2	大坪 主弥				

ACS Catalysis-1

32150	Xiaoming Wang	6 (2016) 4195-4198	2014A1021	BL14B2	内本 喜晴	Platinum-Based Electrocatalysts for the Oxygen-Reduction Reaction: Determining the Role of Pure Electronic Charge Transfer in Electrocatalysis
			2014B1834	BL14B2	内本 喜晴	
			2015A1609	BL01B1	内本 喜晴	

ACS Catalysis-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
32188	Nobuhiko Oota	6 (2016) 3213-3226	2014B1248	BL01B1	奥村 和	Performance, Structure, and Mechanism of ReO _x -Pd/CeO ₂ Catalyst for Simultaneous Removal of Vicinal OH Groups with H ₂
32189	Masazumi Tamura	6 (2016) 376-380	2014B1248	BL01B1	奥村 和	Cu Sub-Nanoparticles on Cu/CeO ₂ as an Effective Catalyst for Methanol Synthesis from Organic Carbonate by Hydrogenation
32190	Yasuyuki Takeda	5 (2015) 7034-7047	2014B1248	BL01B1	奥村 和	Characterization of Re-Pd/SiO ₂ Catalysts for Hydrogenation of Stearic Acid
32212	Kohsuke Mori	6 (2016) 3128-3135	2014B1041	BL01B1	森 浩亮	Ru and Ru-Ni Nanoparticles on TiO ₂ Support as Extremely Active Catalysts for Hydrogen Production from Ammonia-Borane
			2015A1149	BL01B1	森 浩亮	

Acta Crystallographica Section F

32290	Mahfuza Akter	72 (2016) 788-794	2011B1060	BL38B1	柴田 直樹	Biochemical, Spectroscopic and X-ray Structural Analysis of Deuterated Multicopper Oxidase CueO Prepared from a New Expression Construct for Neutron Crystallography
			2014A1035	BL38B1	柴田 直樹	
32508	Meirong Chen	72 (2016) 569-572	2014B1033	BL41XU	姚 閔	Crystallographic Analysis of a Subcomplex of the Transsulfurase with tRNA for Cys-tRNA ^{Cys} Synthesis
			2015B1024	BL41XU	姚 閔	
32509	Meirong Chen	72 (2016) 777-781	2014B1033	BL41XU	姚 閔	Crystallographic Study of the 2-thioribothymidine-Synthetic Complex TtuA-TtuB from <i>Thermus thermophilus</i>
32545	Shunnya Sakurai	71 (2015) 1048-1054	2015A1043	BL41XU	大戸 梅治	Structure of Human Roquin-2 and its Complex with Constitutive-Decay Element RNA

Japanese Journal of Applied Physics

32223	Shinobu Aoyagi	55 (2016) 10TC05	2013A0100	BL02B1	青柳 忍	Time-Resolved Crystal Structure Analysis of Resonantly Vibrating Langasite Oscillator
32229	Kanao Shojiki	55 (2016) 05FA09	2014B1725	BL13XU	正直 花奈子	Homogeneity Improvement of N-polar (000 $\bar{1}$) InGaN/GaN Multiple Quantum Wells by Using c-plane Sapphire Substrate with Off-Cut-Angle toward a-Sapphire Plane
			2015A1820	BL13XU	正直 花奈子	
32275	Tomoaki Yamada	55 (2016) 10TA20	2014B1570	BL13XU	山田 智明	Fabrication and Characterization of (111)-epitaxial Pb(Zr _{0.35} Ti _{0.65})O ₃ /Pb(Zr _{0.65} Ti _{0.35})O ₃ Artificial Superlattice Thin Films
			2015A4904	BL15XU	山田 智明	
32561	Yoshitaka Yoda	55 (2016) 122401	2013B1928	BL09XU	依田 芳卓	High-resolution Monochromator for Iron Nuclear Resonance Vibrational Spectroscopy of Biological Samples
			2014A1887	BL09XU	依田 芳卓	
			2011A2061	BL09XU	依田 芳卓	

Journal of Applied Physics

32180	Takio Kizu	120 (2016) 045702	2015A1884	BL04B2	塚越 一仁	Homogeneous Double-Layer Amorphous Si-doped Indium Oxide Thin-Film Transistors for Control of Turn-on Voltage
			2015A1885	BL01B1	塚越 一仁	
32250	Motohiro Suzuki	120 (2016) 144503	2011B1887	BL39XU	近藤 祐治	Direct Measurement of Single-Dot Coercivity and Statistical Analysis of Switching Field Distribution in Bit-Patterned Media using Scanning Hard-X-ray Nanoprobe
			2011B2098	BL44XU	鈴木 基寛	
			2012B1328	BL44XU	鈴木 基寛	
32274	Kei Kubobuchi	120 (2016) 142125	2012A5392	BL16B2	今井 英人	A Valence State Evaluation of a Positive Electrode Material in an Li-Ion Battery with First-Principles K- and L-edge XANES Spectral Simulations and Resonance Photoelectron Spectroscopy
			2012A5090	BL16XU	今井 英人	
			2012B5392	BL16B2	今井 英人	
			2013A5091	BL16XU	久保測 啓	
			2013A5392	BL16B2	今井 英人	
			2013B5090	BL16XU	今井 英人	
			2013B5391	BL16XU	今井 英人	
			2013B5392	BL16B2	久保測 啓	
			2014A5091	BL16XU	久保測 啓	
			2014A5392	BL16B2	今井 英人	
32492	Hidetoshi Miyazaki	120 (2016) 125106	2014B1537	BL27SU	宮崎 秀俊	Effect of Ta Substitution on the Electronic Structure of Heusler-Type Fe ₂ VAl-Based Alloy
			2014A1485	BL27SU	宮崎 秀俊	

Journal of Solid State 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
32495	Nobuhiro Kumada	245 (2017) 30-33	2014B1003	BL02B2	熊田 伸弘	Hydrothermal Synthesis and Crystal Structure of a New Lithium Copper Bismuth Oxide, LiCuBiO ₄
32603	Alexei Belik	246 (2017) 8-15	2009A1136	BL02B2	Belik Alexei	Structural, Magnetic, and Dielectric Properties of Solid Solutions between BiMnO ₃ and YMnO ₃
32644	Haichuan Guo	246 (2017) 199-202	2015B1757	BL02B2	郭 海川	2:1 Charge Disproportionation in Perovskite-Structure Oxide La _{1/3} Ca _{2/3} FeO ₃ with Unusually-High-Valence Fe ^{3.67+}
32703	Yuki Inoue	246 (2017) 334-340	2014A1408	BL02B2	菅野 了次	Synthesis and Structure of Novel Lithium-Ion Conductor Li ₇ Ge ₃ PS ₁₂
			2016B1778	BL19B2	大工原 秀吾	

Nature

32544	Umeharu Ohto	520 (2015) 702-705	2014B1421	BL41XU	大戸 梅治	Structural Basis of CpG and Inhibitory DNA Recognition by Toll-like Receptor 9
			2013A1076	BL41XU	大戸 梅治	
			2013B1106	BL41XU	大戸 梅治	
			2014A1123	BL41XU	大戸 梅治	
32550	Umeharu Ohto	534 (2016) 566-569	2015A1043	BL41XU	大戸 梅治	Structure of IZUMO1-JUNO Reveals Sperm-oocyte Recognition during Mammalian Fertilization
32690	Daishi Fujita	540 (2016) 563-566	2011B0039	BL38B1	藤田 誠	Self-Assembly of Tetravalent Goldberg Polyhedra from 144 Small Components
			2015A0120	BL41XU	藤田 誠	
32397	Noriyoshi Tsujino	539 (2016) 81-84	2012B1437	BL04B1	辻野 典秀	Mantle Dynamics Inferred from the Crystallographic Preferred Orientation of Bridgmanite
			2013B1434	BL04B1	辻野 典秀	
			2014A1431	BL04B1	辻野 典秀	
			2014B1400	BL04B1	辻野 典秀	
			2015A1600	BL04B1	辻野 典秀	
			2015B1504	BL04B1	辻野 典秀	

Physical Review B

32157	Yoshiteru Hosaka	94 (2016) 104429	2015B1718	BL02B2	保坂 祥輝	Charge and Spin Order in the Perovskite CaFe _{0.5} Mn _{0.5} O ₃ : Charge Disproportionation Behavior of Randomly Arranged Fe ⁴⁺
32434	Ryu Yukawa	94 (2016) 165313	2012B7401	BL07LSU	山本 達	Phonon-Dressed Two-Dimensional Carriers on the ZnO Surface
			2013A7401	BL07LSU	山本 達	
			2013B7401	BL07LSU	山本 達	
32435	Yui Ishii	94 (2016) 184106	2016A1349	BL02B2	河口 彰吾	Emergence of a Fluctuating State in the Stuffed Tridymite-Type Oxides Ba _{1-x} Sr _x Al ₂ O ₄
32677	Daisuke Kan	94 (2016) 214420	2015B1008	BL25SU	島川 祐一	Orbital Magnetic Moments in SrRuO ₃ Epitaxial Thin Films with Interfacially Controlled Magnetic Anisotropy

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

32237	Jules Dake	113 (2016) E5998-E6006	2012A1427	BL20XU	Krill Carl	Direct Observation of Grain Rotations during Coarsening of a Semisolid Al-Cu Alloy
			2013A1506	BL20XU	Krill Carl	
32283	Junping Fan	111 (2014) 7636-7640	2013B1448	BL38B1	Zhang Cai	Crystal Structure of Lipid Phosphatase <i>Escherichia coli</i> Phosphatidylglycerophosphate Phosphatase B
32411	Takanori Nakane	113 (2016) 13039-13044	2013B8045	BL3	岩田 想	Membrane Protein Structure Determination by SAD, SIR, or SIRAS Phasing in Serial Femtosecond Crystallography using an Iododetergent
			2014A8031	BL3	島村 達郎	
			2015B8042	BL3	岩田 想	
			2015B8047	BL3	溝端 栄一	
			2016A8041	BL3	岩田 想	
32551	Hiromi Tanji	113 (2016) 3012-3017	2013B1106	BL41XU	大戸 梅治	Autoinhibition and Relief Mechanism by the Proteolytic Processing of Toll-like Receptor 8
			2014A1123	BL41XU	大戸 梅治	
			2014B1421	BL41XU	大戸 梅治	
			2015A1043	BL41XU	大戸 梅治	

AIP Conference Proceedings-1

32246	Yujiro Hayashi	1741 (2016) 050024	2014B7002	BL33XU	林 雄二郎	Scanning Three-Dimensional X-ray Diffraction Microscopy Using a High-Energy Microbeam
			2015A7002	BL33XU	林 雄二郎	
32617	Akihisa Takeuchi	1365 (2011) 301-304	2010A1376	BL20XU	竹内 晃久	Present Status of the Nanotomography System at BL47XU at Spring-8 and Its Efficiency Improvement Using Double-Condenser Optics
			2008B1587	BL47XU	竹内 晃久	

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
32713	Chihiro Yogi	1763 (2016) 050006	2014B1608	BL46XU	今井 英人	<i>Operando</i> X-ray Diffraction Analysis for a Glyme-Based Li-O ₂ Battery
			2014B1905	BL46XU	今井 英人	
			2015A1688	BL19B2	今井 英人	
			2015B1601	BL19B2	今井 英人	

Applied Physics Letters

32252	Masashi Ohmori	109 (2016) 153302	2015B1904	BL46XU	尾坂 格	Crystal Structure Analysis in Solution-Processed Uniaxially Oriented Polycrystalline Thin Film of Non-Peripheral Octahexyl Phthalocyanine by Grazing Incidence Wide-Angle X-ray Scattering Techniques
			2016A1776	BL46XU	大森 雅志	
32458	Keita Kataoka	109 (2016) 203902	2014A1312	BL47XU	片岡 恵太	Band Slope in CdS Layer of ZnO:Ga/CdS/Cu ₂ ZnSnS ₄ Photovoltaic Cells Revealed by Hard X-ray Photoelectron Spectroscopy
32673	Fang Hong	109 (2016) 241904	2014B1254	BL10XU	Yue Binbin	Pressure-Induced Isostructural Transition in a Distorted Perovskite via Octahedron Reconfiguration

Biochemical and Biophysical Research Communications

32177	Hideshi Yokoyama	422 (2012) 745-750	2011A1893	BL26B1	横山 英志	Crystal Structure of <i>Helicobacter pylori</i> Neutrophil-Activating Protein with a Di-Nuclear Ferroxidase Center in a Zinc or Cadmium-Bound Form
32221	Koji Yamamoto	474 (2016) 104-110	2014A6961	BL44XU	山本 幸治	Structural Characterization of an Aldo-Keto Reductase (AKR2E5) from the Silkworm <i>Bombyx mori</i>
			2015A6555	BL44XU	山本 幸治	
			2014B6961	BL44XU	山本 幸治	
32368	Kazuki Kawahara	480 (2016) 261-267	2014A1344	BL38B1	中村 昇太	Crystal Structure of the ADP-ribosylating Component of BEC, the Binary Enterotoxin of <i>Clostridium perfringens</i>
			2014B1234	BL26B1	中村 昇太	

Catalysis Today

32169	Yuji Mahara	265 (2016) 2-6	2014B1508	BL01B1	大山 順也	Ag-M (M: Ni, Co, Cu, Fe) Bimetal Catalysts Prepared by Galvanic Deposition Method for CO Oxidation
			2015B1482	BL01B1	大山 順也	
32214	Ai Nozaki	265 (2016) 138-143	2014A1045	BL01B1	森 浩亮	Hydrogenation of 1-octene over Skeletal Pd Catalysts Prepared from Pd-Zr Amorphous Alloys and the Effect of Ni Addition
			2014B1041	BL01B1	森 浩亮	
32562	Shogo Shirakawa	281 (2017) 429-436	2014A7001	BL33XU	長井 康貴	XAFS Study on Promoting Effect of Au <i>via</i> NiO Reduction in Au-Ni Bimetallic Clusters
			2014B7001	BL33XU	長井 康貴	
			2015A7001	BL33XU	高木 秀樹	
			2015B7001	BL33XU	高木 秀樹	

ECS Transactions

32289	Yoshiyuki Yamashita	75 (2016) 207-211	2013B4600	BL15XU	山下 良之	Direct Observation of Energy Distribution of Interface States at SiO ₂ /4H-SiC Interface
32322	Yi-Tao Cui	72 (2016) 131-136	2014A1774	BL46XU	陰地 宏	Electronic Structure of Pt and Pt-Co Nanoparticles with O ₂ and O ₂ /H ₂ O Adsorption Revealed by <i>In Situ</i> XAFS and Hard X-ray Photoelectron Spectroscopy
			2014B1657	BL14B2	原田 慈久	
			2014B3517	BL11XU	原田 慈久	
			2015A1554	BL47XU	崔 藝濤	
			2015A1681	BL46XU	崔 藝濤	
			2015A1691	BL14B2	原田 慈久	
			2015A3517	BL11XU	原田 慈久	
			2015B3513	BL11XU	原田 慈久	
32712	Chihiro Yogi	69 (2015) 1-10	2014B1608	BL46XU	今井 英人	Reaction Mechanism Analysis of a Li-O ₂ Battery: Structure of Electrode/Electrolyte Interface Probed Via Soft-X-Ray Absorption Spectroscopy, Hard X-Ray Photoelectron Spectroscopy, and <i>in-Situ</i> Hard X-Ray Diffraction
			2014B1905	BL46XU	今井 英人	
			2015A1686	BL46XU	今井 英人	
			2015A1688	BL19B2	今井 英人	
			2015B1599	BL46XU	今井 英人	

Electrochemistry

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
32148	Yuki Orikasa	84 (2016) 524-528	2013A1007	BL08W	内本 喜晴	硬X線分光を用いたリチウムイオン電池の <i>Operando</i> 解析
			2013B1019	BL08W	内本 喜晴	
			2013B1024	BL37XU	内本 喜晴	
			2014A1012	BL08W	内本 喜晴	
			2014B1023	BL08W	内本 喜晴	
			2014B1024	BL37XU	内本 喜晴	
			2015A1010	BL08W	内本 喜晴	
			2015A1011	BL37XU	内本 喜晴	
			2015B1010	BL08W	内本 喜晴	
			2015B1012	BL37XU	内本 喜晴	
			2014B1816	BL01B1	折笠 有基	
2015A1521	BL37XU	折笠 有基				
2015A1882	BL01B1	折笠 有基				
32255	Yoshifumi Mizuno	83 (2015) 820-823	2013B1697	BL02B2	八巻 健介	Synthesis, Crystal Structure, and Electrochemical Properties of $\text{Li}_{1.2+x}\text{Mn}_{0.3}\text{Co}_{0.2}\text{Ni}_{0.3}\text{O}_2$ ($x > 0$) for Lithium-Ion Battery Cathodes
32413	Ryo Oike	84 (2016) 793-796	2014B1396	BL27SU	雨澤 浩史	In-Situ Simultaneous Soft X-ray Absorption and Emission Spectroscopy under Controlled Atmosphere and Temperature
			2014A1452	BL27SU	雨澤 浩史	
			理研	BL17SU		

Journal of Molecular Biology

32437	Sella Kim	428 (2016) 5007-5018	2016A2506	BL38B1	Kim KyungHyun	Structural Basis of Novel Iron-Uptake Route and Reaction Intermediates in Ferritins from Gram-Negative Bacteria
32455	Kohei Miwa	428 (2016) 4258-4266	2016A2521	BL26B1	帯田 孝之	Crystal Structure of Human General Transcription Factor TFIIE at Atomic Resolution
			2015A1038	BL26B1	帯田 孝之	
32689	Tsuyoshi Konuma	427 (2015) 3158-3165	2007B1180	BL45XU	高橋 聡	Highly Collapsed Conformation of the Initial Folding Intermediates of β -Lactoglobulin with Non-Native α -Helix

Langmuir

32163	Toshihiko Oka	32 (2016) 7613-7620	2015A1295	BL40B2	岡 俊彦	Two Distinct Cylinder Arrangements in Monodomains of a Lyotropic Liquid Crystalline Hexagonal II Phase: Monodomains with Straight Cylinders and Ringed Cylinders in Capillaries
			2015B1351	BL40B2	岡 俊彦	
			2015B1530	BL40XU	岡 俊彦	
32172	Yasuharu Nakagawa	32 (2016) 6806-6814	2014B1366	BL40B2	中川 泰治	Effect of Solvent Dielectric Constant on the Formation of Large Flat Bilayer Stacks in a Lecithin/Hexadecanol Hydrogel
			2015A1190	BL40B2	中川 泰治	
			2015A1406	BL40B2	中沢 寛光	
32324	Takahiro Takei	32 (2016) 9993-9999	2013A1299	BL02B2	武井 貴弘	Adsorption Behavior of Rare Earth Metal Cations in the Interlayer Space of γ -ZrP
			2014A1008	BL02B2	熊田 伸弘	

Nature Communications

32549	Sakiko Maekawa	7 (2016) 11813	2014A1123	BL41XU	大戸 梅治	Crystal Structure of NOD2 and its Implications in Human Disease
			2014B1421	BL41XU	大戸 梅治	
			2015A1043	BL41XU	大戸 梅治	
32566	Hideaki Ogata	6 (2015) 7890	2010B0032	BL09XU	Cramer Stephen	Hydride Bridge in [NiFe]-hydrogenase Observed by Nuclear Resonance Vibrational Spectroscopy
			2013B0103	BL09XU	Cramer Stephen	
			2014B1032	BL09XU	Wang Hongxin	
32587	Ryo Nozawa	7 (2016) 13620	2015B1397	BL38B1	久木 一朗	Stacked Antiaromatic Porphyrins
			2016A1121	BL38B1	久木 一朗	

Physics of the Earth and Planetary Interiors-1

32387	Zhaodong Liu	257 (2016) 18-27	2010A0082	BL04B1	入船 徹男	Phase Relations in the System $\text{MgSiO}_3\text{-Al}_2\text{O}_3$ up to 52 GPa and 2000 K
32406	Takaaki Kawazoe	216 (2013) 91-98	2010A0082	BL04B1	入船 徹男	Seismic Anisotropy in the Mantle Transition Zone Induced by Shear Deformation of Wadsleyite

Physics of the Earth and Planetary Interiors-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
32613	Tomoo Katsura	183 (2010) 212-218	1997B0099	BL04B1	桂 智男	Adiabatic Temperature Profile in the Mantle
			1998A0036	BL04B1	松井 正典	
			1998A0163	BL04B1	桂 智男	
			1998A0233	BL04B1	Walter Michael	
			1999A0293	BL04B1	桂 智男	
			1999B0276	BL04B1	桂 智男	
			2000A0373	BL04B1	桂 智男	
			2001A0289	BL04B1	桂 智男	
			2001B0188	BL04B1	桂 智男	
			2002B0044	BL04B1	桂 智男	
			2003B0640	BL04B1	桂 智男	
			2004A0368	BL04B1	桂 智男	
			2004B0497	BL04B1	桂 智男	
			2004B0498	BL04B1	桂 智男	
			2005A0318	BL04B1	桂 智男	
			2005B0241	BL04B1	桂 智男	
2006A1755	BL04B1	桂 智男				
2006B1340	BL04B1	桂 智男				
2007A1499	BL04B1	桂 智男				
2007B1579	BL04B1	桂 智男				

Polymer

32167	Kazuhiro Shikinaka	99 (2016) 767-770	2015B1251	BL45XU	敷中 一洋	Solution Structure of Cyanobacterial Polysaccharide, Sacran
32296	Mitsunori Asada	105 (2016) 172-179	2011B7257	BL03XU	浅田 光則	Effect of Miscible PMMA Chain Length on Disordered Morphologies in Epoxy/PMMA- <i>b</i> -PnBA- <i>b</i> -PMMA Blends by <i>in situ</i> Simultaneous SAXS/DSC
32442	Yuya Shinohara	105 (2016) 368-377	2011A1779	BL27SU	篠原 佑也	Distribution of Sulfur in Styrene-Butadiene Rubber Studied with Anomalous Small-Angle X-ray Scattering at Sulfur K-edge
			2011B1128	BL27SU	篠原 佑也	
			2012B1102	BL27SU	篠原 佑也	
			2013B7259	BL03XU	篠原 佑也	
			2013B1058	BL27SU	篠原 佑也	

RSC Advances

32168	Kazuhiro Shikinaka	6 (2016) 52950-52956	2012B1140	BL45XU	敷中 一洋	Kinetics-Dominated Structure and Stimuli-Responsiveness in the Assembly of Colloidal Nanotubes
			2014B1084	BL04B1	敷中 一洋	
32471	Minoru Ashizawa	6 (2016) 109434-109441	2015B1105	BL45XU	松本 英俊	Influence of Structure–Property Relationships of Two Structural Isomers of Thiophene-Flanked Diazaisoindigo on Carrier-Transport Properties
			2015B1690	BL45XU	長谷川 司	
32638	Yuko Ikeda	6 (2016) 95601-95610	2015A1872	BL40XU	池田 裕子	Strain-Induced Crystallization Behaviour of Natural Rubbers from Guayule and Rubber Dandelion Revealed by Simultaneous Time-Resolved WAXD/Tensile Measurements: Indispensable Function for Sustainable Resources
			2015B1814	BL40XU	池田 裕子	

AIP Advances

32616	Norihiro Okamoto	6 (2016) 125008	2014B1553	BL02B1	乾 晴行	Atomic Displacement in the CrMnFeCoNi High-Entropy Alloy – A Scaling Factor to Predict Solid Solution Strengthening
			2014B1228	BL02B1	乾 晴行	
			2015A1468	BL02B1	乾 晴行	
			2016B1096	BL02B1	岡本 範彦	
32698	Kaoru Nakamura	6 (2016) 115003	2007B1915	BL19B2	伊藤 孝憲	Theoretical and Experimental Investigation of Defect Formation / Migration in Gd ₂ Ti ₂ O ₇ : General Rule of Oxide-Ion Migration in A ₂ B ₂ O ₇ Pyrochlore

Applied Catalysis A: General

32152	Tomohiro Majima	523 (2016) 92-96	2015B1848	BL14B2	関根 泰	Pre-Reduction and K Loading Effects on Noble Metal Free Co-System Catalyst for Water Gas Shift Reaction
32218	Miriam Navlani-García	527 (2016) 45-52	2015A1149	BL01B1	森 浩亮	Highly Efficient Ru/Carbon Catalysts Prepared by Pyrolysis of Supported Ru Complex towards the Hydrogen Production from Ammonia Borane

Applied Physics Express

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
32145	Mikito Nozaki	9 (2016) 105801	2015A3872	BL23SU	渡部 平司	Synchrotron Radiation X-ray Photoelectron Spectroscopy of Ti/Al Ohmic Contacts to n-type GaN: Key Role of Al Capping Layers in Interface Scavenging Reactions
			2015B3801	BL23SU	吉越 章隆	
			2015B3872	BL23SU	渡部 平司	
32245	Shohei Kamada	9 (2016) 111001	2015B1222	BL13XU	竹内 正太郎	Microstructural Analysis of an Epitaxial AlN Thick Film/Trench-Patterned Template by Three-Dimensional Reciprocal Lattice Space Mapping Technique
			2010B1721	BL13XU	酒井 朗	

Biochemistry

32179	Hideshi Yokoyama	51 (2012) 3872-3880	2011A1893	BL26B1	横山 英志	Crystal Structure of a Membrane Stomatin-Specific Protease in Complex with a Substrate Peptide
32619	Leland Gee	54 (2015) 3314-3319	2009A0015	BL09XU	Cramer Stephen	Docking and Migration of Carbon Monoxide in Nitrogenase: The Case for Gated Pockets from Infrared Spectroscopy and Molecular Dynamics
			2013B0103	BL09XU	Cramer Stephen	

Catalysis Science & Technology

32187	Yasuyuki Takeda	6 (2016) 5668-5683	2014B1248	BL01B1	奥村 和	Hydrogenation of Dicarboxylic Acids to Diols over Re-Pd Catalysts
32538	Mahiro Shirotori	6 (2016) 8200-8211	2015A1389	BL01B1	穴戸 哲也	Genesis of a Bi-Functional Acid-Base Site on a Cr-supported Layered Double Hydroxide Catalyst Surface for One-Pot Synthesis of Furfurals from Xylose with a Solid Acid Catalyst
			2014B1472	BL01B1	西村 俊	

Crystal Growth & Design

32279	Sekai Iwama	15 (2015) 3052-3062	2013B1160	BL02B2	津江 広人	Case Study on the Interpretation of Crystal Structures Inducing Preferential Enrichment Based on the Graph Set Analysis of Hydrogen Bond Motifs
32343	Hiroki Yamada	16 (2016) 3389-3394	2013B1293	BL04B2	脇原 徹	Downsizing AFX Zeolite Crystals to Nanoscale by a Postmilling Recrystallization Method
			2015A0115	BL04B2	脇原 徹	

Earth and Planetary Science Letters

32298	Takaaki Kawazoe	454 (2016) 10-19	2015A0075	BL04B1	入船 徹男	Creep Strength of Ringwoodite Measured at Pressure-Temperature Conditions of the Lower Part of the Mantle Transition Zone using Deformation-DIA Apparatus
32375	Haruka Ozawa	456 (2016) 47-54	2009A0087	BL10XU	廣瀬 敬	High-Pressure Melting Experiments on Fe-Si Alloys and Implications for Silicon as a Light Element in the Core

The FEBS Journal

32207	Narutoshi Uda	282 (2015) 3929-3944	2010B1303	BL41XU	杉山 政則	The Structural and Mutational Analyses of <i>O</i> -ureido-L-serine Synthase Necessary for D-cycloserine Biosynthesis
32261	Shouhei Mine	281 (2014) 5092-5103	2014A6953	BL44XU	峯 昇平	The Structure of Hyperthermophilic β - <i>N</i> -acetylglucosaminidase Reveals a Novel Dimer Architecture Associated with the Active Site
			2012B1098	BL38B1	中村 努	

FEBS Letters

32247	Yoshinori Hagiwara	590 (2016) 3425-3434	2008B1079	BL38B1	福山 恵一	Atomic-Resolution Structure of the Phycocyanobilin:Ferredoxin Oxidoreductase I86D Mutant in Complex with Fully Protonated Biliverdin
			2009B1219	BL38B1	和田 啓	
			2009B2095	BL38B1	杉島 正一	
			2009B6933	BL44XU	福山 恵一	
			2010A1181	BL41XU	和田 啓	
			2014A1040	BL38B1	杉島 正一	
			2015A6557	BL44XU	和田 啓	
			2015B6557	BL44XU	和田 啓	
32291	Seiji Negoro	590 (2016) 3133-3143	2016A6622	BL44XU	杉島 正一	Mutations Affecting the Internal Equilibrium of the Reaction Catalyzed by 6-aminohexanoate-dimer Hydrolase
			2016A6655	BL44XU	和田 啓	
			2011A6621	BL44XU	柴田 直樹	
			2011B6621	BL44XU	柴田 直樹	
			2012A6721	BL44XU	柴田 直樹	
			2012B6721	BL44XU	柴田 直樹	
			2014A1035	BL38B1	柴田 直樹	
2014A6925	BL44XU	柴田 直樹				
2014B6925	BL44XU	柴田 直樹				

High Pressure 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
32158	Naoki Ishimatsu	36 (2016) 381-390	2012A1843	BL39XU	河村 直己	Applications of Nano-polycrystalline Diamond Anvils to X-ray Absorption Spectroscopy under High Pressure
			2012B1355	BL39XU	石松 直樹	
			2012B1976	BL39XU	河村 直己	
			2013A1460	BL39XU	石松 直樹	
			2013B1284	BL39XU	石松 直樹	
			2013B1922	BL39XU	河村 直己	
			2014B1453	BL39XU	石松 直樹	
			2014B2041	BL39XU	河村 直己	
32329	Kazuyuki Matsubayashi	36 (2016) 419-428	2015A2045	BL39XU	河村 直己	Pressure-Induced Valence Change toward the QCP in 4f-electron Compounds Determined by X-ray Absorption Spectroscopy
			2012B0046	BL39XU	渡辺 真仁	
			2011B2097	BL39XU	河村 直己	
			2011B2094	BL39XU	河村 直己	
			2011B2092	BL39XU	水牧 仁一朗	
			2012A1283	BL39XU	松林 和幸	
			2012A1843	BL39XU	河村 直己	
			2012B1976	BL39XU	河村 直己	
2012B1978	BL39XU	水牧 仁一朗				
2012B0046	BL39XU	渡辺 真仁				

Industrial & Engineering Chemistry Research

32215	Miriam Navlani-Garcia	55 (2016) 7612-7620	2015A1149	BL01B1	森 浩亮	Screening of Carbon-Supported PdAg Nanoparticles in the Hydrogen Production from Formic Acid
			2015B1083	BL01B1	森 浩亮	
32441	Hidenori Kuroki	55 (2016) 11458-11466	2013A5392	BL16B2	今井 英人	Platinum-Iron-Nickel Trimetallic Catalyst with Superlattice Structure for Enhanced Oxygen Reduction Activity and Durability
			2013B5391	BL16B2	今井 英人	
			2014A5391	BL16B2	今井 英人	
			2014B5390	BL16B2	今井 英人	
2014B5391	BL16B2	今井 英人				

Journal of Alloys and Compounds

32202	Nobufumi Miyazaki	691 (2017) 914-918	2014B1237	BL02B2	戸高 義一	Thermoelectric Property of Bulk CaMgSi Intermetallic Compound
32436	Shinya Hosokawa	695 (2017) 426-432	2014B1159	BL35XU	細川 伸也	Impurity Effects in the Microscopic Elastic Properties of Polycrystalline Mg-Zn-Y Alloys with a Synchronized Long-Period Stacking Ordered Phase
			2015A1221	BL35XU	細川 伸也	
			2015B1322	BL35XU	木村 耕治	

Journal of Applied Crystallography

32161	Hiroshi Okuda	49 (2016) 1803-1805	2015B1438	BL27SU	奥田 浩司	Realization of Two-Dimensional Anomalous Small-Angle Scattering of Al Alloys at the K Absorption Edge of Al
32282	Yu-Hsin Wu	49 (2016) 1653-1658	2016A4253	BL12XU	Chang Shih Lin	Theoretical Considerations in the Construction of Hard X-ray Resonators at Inclined Incidence with Ultra-High Efficiency and Resolution

Journal of Geophysical Research

32494	Minako Kurisu	121 (2016) 11119-11136	2014A1416	BL37XU	高橋 嘉夫	Very Low Isotope Ratio of Iron in Fine Aerosols Related to Its Contribution to the Surface Ocean
			2015A0118	BL37XU	高橋 嘉夫	
32627	Yuta Shimoyama	121 (2016) 7984-7995	2013A3782	BL22XU	寺崎 英紀	Thermoelastic Properties of Liquid Fe-C Revealed by Sound Velocity and Density Measurements at High Pressure
			2013B3786	BL22XU	寺崎 英紀	
			2014A3787	BL22XU	寺崎 英紀	
			2014B3785	BL22XU	寺崎 英紀	
2015A3787	BL22XU	寺崎 英紀				

Journal of Nanoscience and Nanotechnology

32419	Maidhily Manikandan	16 (2016) 8269-8278	2013A4600	BL15XU	阿部 英樹	Pt Decorated Free-Standing TiO ₂ Nanotube Arrays: Highly Active and Durable Electrocatalyst for Oxygen Reduction and Methanol Oxidation Reactions
			2013B4602	BL15XU	阿部 英樹	
32634	Saulius Juodkazis	11 (2011) 2931-2936	2008A1965	BL04B2	小原 真司	Structural Characterization of Femtosecond Laser Modified Regions Inside Sapphire
			2009A1064	BL10XU	小原 真司	
			理研	BL19LXU		

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
32256	Akira Yamada	683 (2016) 012020	2014B1139	BL01B1	東中 隆二	Mixed Valence States in $(\text{Sm}_x\text{La}_{1-x})\text{Tr}_2\text{Al}_{20}$ ($\text{Tr} = \text{Ti}$ and Ta) Studied using X-ray Absorption Spectroscopy
32421	Oki Sekizawa	712 (2016) 012142	2013A7801	BL36XU	岩澤 康裕	SPring-8 BL36XU: Catalytic Reaction Dynamics for Fuel Cells
			2013A7803	BL36XU	岩澤 康裕	
			2013A7810	BL36XU	横山 利彦	
			2013A7820	BL36XU	唯 美津木	
			2013B7803	BL36XU	岩澤 康裕	
			2013B7806	BL36XU	岩澤 康裕	
			2013B7810	BL36XU	横山 利彦	
			2013B7820	BL36XU	唯 美津木	
			2013B7822	BL36XU	唯 美津木	
			2014A7801	BL36XU	岩澤 康裕	
			2014A7802	BL36XU	岩澤 康裕	
			2014A7805	BL36XU	岩澤 康裕	
			2014A7806	BL36XU	岩澤 康裕	
			2014A7810	BL36XU	横山 利彦	
			2014A7821	BL36XU	唯 美津木	
2014B7801	BL36XU	岩澤 康裕				
2014B7802	BL36XU	岩澤 康裕				
2015A7802	BL36XU	岩澤 康裕				

JPS Conference Proceedings

32288	Hideki Kohri	10 (2016) 010008	2014B6001	BL33LEP	堀田 智明	Photoproduction for N^* and Related Topics at LEPS/LEPS2
32664	Atsushi Yamasaki	3 (2014) 013001	2010A1227	BL25SU	山崎 篤志	Spin-Orbit-Coupling-Induced j_{eff} States in Perovskite Iridates Studied by Photoemission Spectroscopy
			理研	BL19LXU		

Materials Science Forum

32401	Shinya Hosokawa	879 (2017) 767-772	2013A1138	BL35XU	細川 伸也	Phonon Excitations in $\text{Pd}_{40}\text{Ni}_{40}\text{P}_{20}$ Bulk Metallic Glass by Inelastic X-Ray Scattering
			2013B1298	BL35XU	細川 伸也	
			2014A1059	BL35XU	細川 伸也	
32422	Yoshikazu Nakai	879 (2017) 1355-1360	2013B1722	BL46XU	中井 善一	Misorientation Measurement of Individual Grains in Fatigue of Polycrystalline Alloys by Diffraction Contrast Tomography using Ultrabright Synchrotron Radiation
			2014A1587	BL46XU	中井 善一	
			2014B1798	BL19B2	中井 善一	
			2015A1849	BL46XU	中井 善一	
			2015B1786	BL46XU	中井 善一	

PLoS One

32552	Lakshmi Ganapathi	10 (2015) e0134640	2014A1123	BL41XU	大戸 梅治	The Imidazoquinoline Toll-Like Receptor-7/8 Agonist Hybrid-2 Potently Induces Cytokine Production by Human Newborn and Adult Leukocytes
			2014B1421	BL41XU	大戸 梅治	
			2015A1043	BL41XU	大戸 梅治	
32631	Takafumi Itoh	11 (2016) e0167310	2014A1844	BL26B2	伊藤 貴文	Crystal Structure of Chitinase ChiW from <i>Paenibacillus</i> sp. str. FPU-7 Reveals a Novel Type of Bacterial Cell-Surface-Expressed Multi-Modular Enzyme Machinery
			2011A1882	BL26B1	日弁 隆雄	
			2011A1990	BL38B1	伊藤 貴文	
			2012A1066	BL38B1	伊藤 貴文	
			2012B1148	BL38B1	伊藤 貴文	
			2013A1372	BL38B1	伊藤 貴文	
			2013B1339	BL38B1	伊藤 貴文	
			2014B1166	BL26B2	伊藤 貴文	
			2016A2557	BL26B1	伊藤 貴文	
			2014B1973	BL26B2	伊藤 貴文	

Proceedings of SPIE

32540	Keiji Umetani	10020 (2016) 1002005	2014B1318	BL20B2	梅谷 啓二	Development of 36M-pixel X-ray Detector for Large Field of View and High-Resolution Micro-CT
			2015A1504	BL20B2	梅谷 啓二	
			2015B1950	BL20B2	梅谷 啓二	
32606	Atsushi Momose	9967 (2016) 99671E	2015B1205	BL28B2	百生 敦	Development of Grating-Based X-ray Phase Tomography under the ERATO Project

Science 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
32405	Tomohiro Ohuchi	1 (2015) e1500360	2015A0075	BL04B1	入船 徹男	Dislocation-Accommodated Grain Boundary Sliding as the Major Deformation Mechanism of Olivine in the Earth's Upper Mantle
			2010A0082	BL04B1	入船 徹男	
32502	Shoko Kimura	2 (2016) e1501397	2011B1227	BL41XU	姚 閔	Template-Dependent Nucleotide Addition in the Reverse (3'-5') Direction by Thg1-like Protein
			2014B1033	BL41XU	姚 閔	

ACS Chemical Biology

32181	Hideshi Yokoyama	10 (2015) 1128-1136	2014B1991	BL26B1	横山 英志	Structural Basis of New Allosteric Inhibition in Kinesin Spindle Protein Eg5
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Acta Crystallographica Section A

32728	Wen Chung Liu	73 (2017) 46-53	2012A4128	BL12B2	Chang Shih Lin	Revisiting La _{0.5} Sr _{1.5} MnO ₄ Lattice Distortion and Charge Ordering with Multi-Beam Resonant Diffraction
			2015B4128	BL12B2	Chang Shih Lin	
			2012B4131	BL12B2	Chang Shih Lin	
			2016A4139	BL12B2	Chang Shih Lin	

Acta Crystallographica Section C

32160	M. A. Ali	72 (2016) 743-747	2015A1293	BL02B1	野口 修治	The Antitumour Drug 7-ethyl-10-hydroxycamptothecin Monohydrate and its Solid-State Hydrolysis Mechanism on Heating
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Acta Geologica Sinica (English Edition)

32541	Jian Han	90 (2016) 38-65	2015A1903	BL47XU	小宮 剛	Internal Microanatomy and Zoological Affinity of the Early Cambrian <i>Olivoooides</i>
			2012B1113	BL20XU	小宮 剛	
			2011B1064	BL20B2	小宮 剛	

Advanced Materials Interfaces

32433	Ryu Yukawa	3 (2016) 1600527	2014A7466	BL07LSU	松田 巖	Tailoring Photovoltage Response at SrRuO ₃ /SrTiO ₃ Heterostructures
			2014A7467	BL07LSU	山本 達	

Advanced Science

32607	Yuko Nakatsuka	(2016) Online published 5 Dec. 2016	2013A1691	BL01B1	藤田 晃司	Giant Faraday Rotation through Ultrasmall Fe _n ⁰ Clusters in Superparamagnetic FeO-SiO ₂ Vitreous Films
			2014B1128	BL01B1	山田 幾也	

Analytical Chemistry

32292	Kenji Shiota	87 (2015) 11249-11254	2013B1296	BL37XU	高岡 昌輝	Cesium Speciation in Dust from Municipal Solid Waste and Sewage Sludge Incineration by Synchrotron Radiation Micro-X-ray Analysis
			2012A1081	BL01B1	高岡 昌輝	
			2012B1359	BL01B1	高岡 昌輝	
			2015A1900	BL37XU	高岡 昌輝	

The Anatomical Records

32345	Luosha Xiao	299 (2016) 1424-1434	2011B1875	BL20XU	世良 俊博	Morphological Characterization of Acinar Cluster in Mouse Lung Using a Multiscale-based Segmentation Algorithm on Synchrotron Micro-CT Images
			2011B1881	BL20B2	世良 俊博	
			2009B1198	BL20B2	世良 俊博	
			2007A2071	BL20B2	世良 俊博	

Applied Clay Science

32325	Takahiro Takei	124-125 (2016) 236-242	2015A1004	BL02B2	熊田 伸弘	Topotactic Transformation of Ni-based Layered Double Hydroxide Film to Layered Metal Oxide and Hydroxide
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Applied Materials and Interfaces

32580	Tanwistha Ghosh	8 (2016) 25396-25404	2014B1915	BL46XU	尾坂 格	Following the TRMC Trail: Optimization of Photovoltaic Efficiency and Structure-Property Correlation of Thiophene Oligomers
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Biomolecules

32178	Hideshi Yokoyama	4 (2014) 600-615	2011A1893	BL26B1	横山 英志	Structures and Metal-Binding Properties of <i>Helicobacter pylori</i> Neutrophil-Activating Protein with a Di-Nuclear Ferroxidase Center
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Bioscience, Biotechnology, and Biochemistry

研究成果番号	主著者	雑誌情報	課題番号	チームライン	実験責任者	タイトル
32241	Tatsuya Kawato	79 (2015) 640-642	2013B1680	BL38B1	川戸 達矢	Structure-based Design and Synthesis of a Bivalent Iminobiotin Analog Showing Strong Affinity toward a Low Immunogenic Streptavidin Mutant
			2013B6848	BL44XU	松村 浩由	

Bulletin of the Chemical Society of Japan

32171	Junya Ohyama	89 (2016) 914-921	2015B1482	BL01B1	大山 順也	Formation of Ru Shell on Co/Al ₂ O ₃ by Galvanic Deposition Method and Its High Catalytic Performance for Three-Way Conversion
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Cell

32592	Tian Hua	167 (2016) 750-762	2015B1031	BL41XU	Liu Zhi-Jie	Crystal Structure of the Human Cannabinoid Receptor CB ₁
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Chem

32201	Daishi Fujita	1 (2016) 91-101	2015A0120	BL38B1	藤田 誠	Self-Assembly of M ₃₀ L ₆₀ Icosidodecahedron
			2015A0120	BL41XU	藤田 誠	
			2014B1540	BL38B1	藤田 誠	

ChemCatChem

32210	Meicheng Wen	7 (2015) 3519-3525	2014A1045	BL01B1	森 浩亮	Visible-Light-Responsive Carbon Dioxide Reduction System: Rhenium Complex Intercalated into a Zirconium Phosphate Layered Matrix
			2014B1041	BL01B1	森 浩亮	

Chemical and Pharmaceutical Bulletin

32586	Shunichi Utsumi	64 (2016) 1692-1697	2016A1209	BL40B2	小幡 誉子	Effect of Nerolidol and/or Levulinic Acid on the Thermotropic Behavior of Lipid Lamellar Structures in the Stratum Corneum
			2015A1139	BL40B2	小幡 誉子	
			2015B1099	BL40B2	小幡 誉子	

Chemical Communications

32360	Sireenart Surinwong	52 (2016) 12893-12896	2015B1001	BL02B1	今野 巧	A Drastic Change in the Superhydrophilic Crystal Porosities of Metallosupramolecular Structures <i>via</i> a Slight Change in pH
			2015B1237	BL02B1	吉成 信人	
			2016A1073	BL02B2	吉成 信人	

Chemical Geology

32620	Kouhei Tokunaga	447 (2016) 59-69	2015A1768	BL01B1	徳永 紘平	Application of Arsenic in Barite as a Redox Indicator for Suboxic/Anoxic Redox Condition
			2015B1839	BL01B1	徳永 紘平	
			2015A0127	BL37XU	高橋 嘉夫	

The Chemical Record

32336	Seiji Yamazoe	16 (2016) 2338-2348	2016A1436	BL01B1	山添 誠司	Controlled Synthesis of Carbon-Supported Gold Clusters for Rational Catalyst Design
			2015B1308	BL01B1	山添 誠司	
			2015A1590	BL01B1	山添 誠司	
			2014B1430	BL01B1	山添 誠司	

Chemical Science

32224	Hiroshi Ueno	7 (2016) 5770-5774	2013A0100	BL02B1	青柳 忍	Electrochemical Reduction of Cationic Li ⁺ @C ₆₀ to Neutral Li ⁰ @C ₆₀ : Isolation and Characterisation of Endohedral [60]fulleride
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Chemistry - A European Journal

32217	Kohsuke Mori	22 (2016) 11122-11137	2013B1041	BL01B1	森 浩亮	Metal Complexes Supported on Solid Matrices for Visible-Light-Driven Molecular Transformations
			2014A1045	BL01B1	森 浩亮	

Chemistry - An Asian Journal

32219	Jiayuan Shi	11 (2016) 2377-2381	2015A1149	BL01B1	森 浩亮	Room-Temperature and Aqueous-Phase Synthesis of Plasmonic Molybdenum Oxide Nanoparticles for Visible-Light-Enhanced Hydrogen Generation
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Chemistry 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
32459	Ryo Sasai	45 (2016) 1409-1411	2010A1287	BL02B2	笹井 亮	Iodide Selectivity and γ -Ray Shielding Ability of a Layered Double Hydroxide
			2010B1279	BL02B2	笹井 亮	
			2011B1703	BL02B2	笹井 亮	
			2012B1770	BL02B2	笹井 亮	
			2013B1677	BL02B2	新井 栄作	

ChemistryOpen

32426	Takahiro Ichikawa	5 (2016) 439-444	2015A1135	BL02B2	一川 尚広	Induction of an Infinite Periodic Minimal Surface by Endowing An Amphiphilic Zwitterion with Halogen-Bond Ability
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ChemistrySelect

32213	Miriam Navlani-García	1 (2016) 1879-1886	2015A1149	BL01B1	森 浩亮	Investigation of Size Sensitivity in the Hydrogen Production from Formic Acid over Carbon-Supported Pd Nanoparticles
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ChemNanoMat

32342	Masakoto Kanezashi	2 (2016) 264-267	2015A0115	BL04B2	脇原 徹	Tailoring the Subnano Silica Structure via Fluorine Doping for Development of Highly Permeable CO ₂ Separation Membranes
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ChemPhysChem

32443	Ai Nozaki	17 (2016) 412-417	2014A1045	BL01B1	森 浩亮	Skeletal Ni Catalysts Prepared from Amorphous Ni-Zr Alloys: Enhanced Catalytic Performance for Hydrogen Generation from Ammonia Borane
			2014B1041	BL01B1	森 浩亮	

The Cnidaria, Past, Present and Future: The World of Medusa and Her Sisters

32542	Jian Han	(2016) 15-29	2015A1903	BL47XU	小宮 剛	Integrated Evolution of Cnidarians and Oceanic Geochemistry before and during the Cambrian Explosion
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Corrosion Engineering

32403	Takenori Nakayama	64 (2015) 226-235	2009B5321	BL16B2	稲葉 雅之	Investigation on Metal Corrosion Phenomena by Using Synchrotron Radiation and Neutron Beams
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Dalton Transactions

32469	Sachil Sharma	45 (2016) 18064-18068	2015A1590	BL01B1	山添 誠司	Tuning the Electronic Structure of Thiolate-Protected 25-atom Clusters by Co-Substitution with Metals Having Different Preferential Sites
			2015B1308	BL01B1	山添 誠司	
			2016A1436	BL01B1	山添 誠司	

Developmental Cell

32225	Hayashi Yamamoto	38 (2016) 86-99	2013B1005	BL41XU	山本 雅貴	The Intrinsically Disordered Protein Atg13 Mediates Supramolecular Assembly of Autophagy Initiation Complexes
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EC Dental Science

32198	Makoto Asaizumi	5 (2016) 992-1017	2014B1049	BL47XU	浅泉 誠	Submicron X-Ray Computed Tomography of Human Dentin Treated with Topical Fluoride Modalities
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Electrocatalysis

32593	Fumiya Sugimura	8 (2017) 46-50	2013B1302	BL13XU	星 永宏	The Oxygen Reduction Reaction on Kinked Stepped Surfaces of Pt
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eLife

32154	Doudou Wang	5 (2016) e18101	2013A1079	BL41XU	仁田 亮	Motility and Microtubule Depolymerization Mechanisms of the Kinesin-8 Motor, KIF19A
			2013B1310	BL38B1	仁田 亮	
			2012B1375	BL41XU	仁田 亮	

Extended Abstracts of the 2016 International Conference on Solid State Devices and Materials (SSDM)

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
32204	Takeaki Sakurai	(2016) 277-278	2012B7436	BL07LSU	櫻井 岳暁	Investigation of Photo-carrier Generation Processes of Organic Solar Cells Using Time Resolved X-ray Photoelectron Spectroscopy
			2013B7452	BL07LSU	櫻井 岳暁	
			2014B7471	BL07LSU	櫻井 岳暁	

F1000 Prime

32155	Yu-Chuan Wang	(2016) 13 Sep. 2016	2013A4006	BL12B2	Chou Shan-Ho	Nucleotide Binding by the Widespread High-Affinity Cyclic di-GMP Receptor MshEN Domain
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Faraday Discussions

32414	Kiyonobu Nagaya	194 (2016) 537-562	2012B8045	BL3	上田 潔	Femtosecond Charge and Molecular Dynamics of I-containing Organic Molecules Induced by Intense X-ray Free-Electron Laser Pulses
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FEBS Open Bio

32175	Hideshi Yokoyama	4 (2014) 804-812	2014B1991	BL26B1	横山 英志	Crystal Structure of the Stomatol Operon Partner Protein from <i>Pyrococcus horikoshii</i> Indicates the Formation of a Multimeric Assembly
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Frontiers in Microbiology

32424	Akihito Yamaguchi	6 (2015) 327	2011B6627	BL44XU	中島 良介	Structural Basis of RND-type Multidrug Exporters
			2012A6730	BL44XU	中島 良介	
			2012B6730	BL44XU	中島 良介	
			2013B6833	BL44XU	中島 良介	
			2014A6934	BL44XU	中島 良介	
			2014B6934	BL44XU	中島 良介	

Fuel Processing Technology

32151	Shuhei Ogo	141 (2016) 123-129	2015A1932	BL14B2	関根 泰	One Pot Direct Catalytic Conversion of Cellulose to C ₃ and C ₄ Hydrocarbons using Pt/H-USY Zeolite Catalyst at Low Temperature
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Heliyon

32701	Shigeaki Ono	2 (2016) e00220	2014B1164	BL10XU	小野 重明	Titanium Boride Equation of State Determined by in-situ X-ray Diffraction
			2015A1209	BL10XU	小野 重明	

Hyperfine Interactions

32457	Shinichi Nakamura	237 (2016) 157	2015A3514	BL11XU	中村 真一	Development of Mössbauer Diffractometer by using Nuclear Resonant Scattering at SPring-8 BL11XU
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IEEE Transactions on Dielectrics and Electrical Insulation

32478	Shinya Iwata	23 (2016) 2556-2561	2014B1835	BL20XU	岩田 晋弥	Influence of Humidity Treatment on Electrical Tree Propagation in Epoxy Resin
			2014A1511	BL20XU	岩田 晋弥	

IEEE Transactions on Magnetics

32191	Daiki Oshima	52 (2016) 3201804	2012B1759	BL25SU	加藤 剛志	Ion Irradiation-Induced Magnetic Transition of MnGa Alloy Films Studied by X-Ray Magnetic Circular Dichroism and Low-Temperature Hysteresis Loops
			2013B1744	BL25SU	加藤 剛志	

IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control

32276	Daisuke Ito	63 (2016) 1642-1646	2014B4908	BL15XU	山田 智明	Fabrication of Tetragonal Pb(Zr,Ti)O ₃ Nanorods by Focused Ion Beam and Characterization of the Domain Structure
			2014A4908	BL15XU	山田 智明	
			2013B4908	BL15XU	山田 智明	
			2013A4904	BL15XU	山田 智明	
			2012B4906	BL15XU	山田 智明	
			2013A1525	BL13XU	山田 智明	
			2012B1554	BL13XU	山田 智明	

Immunity

32547	Zhikuan Zhang	45 (2016) 737-748	2015A1043	BL41XU	大戸 梅治	Structural Analysis Reveals that Toll-like Receptor 7 Is a Dual Receptor for Guanosine and Single-Stranded RNA
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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
32259	Fumiyooshi Yoshinaka	93 (2016) 397-405	2013B1470	BL20XU	中村 孝	Non-Destructive Observation of Internal Fatigue Crack Growth in Ti-6Al-4V by using Synchrotron Radiation μ CT Imaging
			2013A1218	BL20XU	中村 孝	

International Journal of Hydrogen Energy

32182	Meiqiang Fan	40 (2015) 12663-12673	2014B3873	BL23SU	許 亜	Spontaneous Activation Behavior of Ni ₃ Sn, an Intermetallic Catalyst, for Hydrogen Production via Methanol Decomposition
			2013B3873	BL23SU	許 亜	
			2013A3873	BL23SU	許 亜	
			2012A3806	BL23SU	許 亜	
			2011B3806	BL23SU	許 亜	

International Journal of Pharmaceutics

32173	Takatoshi Terada	509 (2016) 328-337	2014B1119	BL37XU	板井 茂	Sustained-release Microsphere Formulation Containing an Agrochemical by Polyurethane Polymerization during an Agitation Granulation Process
			2014A1205	BL37XU	岩尾 康範	

IUCrJ

32438	Derek Mendez	3 (2016) 420-429	2013B8009	BL3	Doniach Sebastian	Angular Correlations of Photons from Solution Diffraction at a Free-Electron Laser Encode Molecular Structure
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JAEA Research

32450	Takayuki Nagai	(2016) 015	2015B3504	BL11XU	塩飽 秀啓	XAFS Measurement of Simulated Waste Glass Samples (Borosilicate Glass Including Vanadium)
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Journal of Applied Polymer Science

32705	Taizo Kabe	132 (2015) 41258	理研	BL45XU		High Tensile Strength Fiber of Poly[(<i>R</i>)-3-hydroxybutyrate-co-(<i>R</i>)-3-hydroxyhexanoate] Processed by Two-Step Drawing with Intermediate Annealing
			2011B1711	BL47XU	岩田 忠久	

The Journal of Biological Chemistry

32280	Kotaro Koiwai	291 (2016) 3705-3724	2013B1280	BL38B1	鈴木 淳巨	Structural Basis for Toughness and Flexibility in the C-terminal Passenger Domain of an <i>Acinetobacter</i> Trimeric Autotransporter Adhesin
			2014A1269	BL38B1	鈴木 淳巨	

Journal of Crystal Growth

32361	Ryohei Tsuruta	(2016) Available online 15 Oct. 2016	2015A1685	BL46XU	中山 泰生	Crystallinity of the Epitaxial Heterojunction of C ₆₀ on Single Crystal Pentacene
			2015B1624	BL46XU	中山 泰生	

Journal of Drug Delivery Science and Technology

32400	Shunichi Utsumi	35 (2016) 200-206	2015A1139	BL40B2	小幡 誉子	Thermal Behavior and Functional Group Interaction of Lipids Extracted from the Stratum Corneum
			2015B1099	BL40B2	小幡 誉子	

Journal of Electronic Materials

32220	Tatsuro Omoto	45 (2016) 1478-1483	2014B1334	BL02B2	小菅 厚子	Formation Phases and Electrical Properties of Ge-Bi-Te Compounds with Homologous Structures
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The Journal of Experimental Medicine

32496	Chizuru Akatsu	213 (2016) 2691	2014B1230	BL41XU	沼本 修孝	CD72 Negatively Regulates B Lymphocyte Responses to the Lupus-Related Endogenous Toll-Like Receptor 7 Ligand Sm/RNP
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Journal of Hazardous Materials

32396	Yohey Hashimoto	322 (2017) 318-324	2012B1327	BL01B1	橋本 洋平	Chemical Speciation of Silver (Ag) in Soils under Aerobic and Anaerobic Conditions: Ag Nanoparticles vs. Ionic Ag
			2013B1068	BL01B1	橋本 洋平	
			2014B1245	BL01B1	橋本 洋平	

Journal of Inorganic Biochemistry

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
32563	Margherita Maiuri	153 (2015) 128-135	2013B0103	BL09XU	Cramer Stephen	Low Frequency Dynamics of the Nitrogenase MoFe Protein via Femtosecond Pump Probe Spectroscopy — Observation of a Candidate Promoting Vibration
			2010B0032	BL09XU	Cramer Stephen	
			2014B1032	BL09XU	Wang Hongxin	
			理研	BL19LXU		

Journal of Macromolecular Science, Part B

32605	Tooru Kitagawa	55 (2016) 1159-1172	2016A7212	BL03XU	船城 健一	Novel Fine Structures in poly- <i>p</i> -phenylenebenzobisoxazole (PBO) Fibers Induced by Water Vapor, Hot Water, and Nonaqueous Coagulation III. Random and Radial Preferential Orientations of the Crystal b-Axis
			2015A7212	BL03XU	船城 健一	

Journal of Material Sciences and Engineering

32699	Mohammad Ghafari	5 (2016) 1000299	2015A1890	BL04B2	Kamali-Moghaddam Saeed	Are Transition Metal-Rich Metallic Glasses Made Up of Distorted BCC Clusters?
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Journal of Materials Chemistry A

32211	Ai Nozaki	4 (2016) 8458-8465	2015B1083	BL01B1	森 浩亮	Skeletal Au Prepared from Au-Zr Amorphous Alloys with Controlled Atomic Compositions and Arrangement for Active Oxidation of Benzyl Alcohol
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Journal of Materials Chemistry C

32164	Hiroki Taniguchi	4 (2016) 3168-3174	2015A1419	BL01B1	谷口 博基	Heterovalent Pb-Substitution in Ferroelectric Bismuth Silicate Bi ₂ SiO ₅
			2014B1468	BL02B2	黒岩 芳弘	
			2015A1425	BL02B2	谷口 博基	

Journal of Medicinal Chemistry

32548	Mallesh Beesu	59 (2016) 3311-3330	2014B1421	BL41XU	大戸 梅治	Identification of a Human Toll-Like Receptor (TLR) 8-Specific Agonist and a Functional Pan-TLR Inhibitor in 2-Aminoimidazoles
			2015A1043	BL41XU	大戸 梅治	

Journal of Organometallic Chemistry

32232	Takayuki Nakashima	805 (2016) 27-33	2015A1367	BL02B1	山野井 慶徳	Fluorescence and Phosphorescence of a Series of Silicon-Containing Six-Membered-Ring Molecules
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Journal of Photochemistry and Photobiology A: Chemistry

32672	Shuhei Ogata	334 (2017) 55-60	2013B1776	BL02B2	長谷川 美貴	Polymorphism-based Luminescence of Lanthanide Complexes with a Deuterated 1,10-phenanthroline
			2014B1316	BL02B2	長谷川 美貴	
			2015A1552	BL02B2	長谷川 美貴	
			2015B1353	BL02B2	石井 あゆみ	

Journal of Photopolymer Science and Technology

32582	Marina Ide	29 (2016) 565-569	2013B1719	BL19B2	尾坂 格	Control of Phase Separation of Benzothienoisindigo-Benzodithiophene Copolymer for Organic Photovoltaics
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The Journal of Physical Chemistry B

32376	Yuan Yuan	119 (2015) 8446-8456	2013A1280	BL40B2	Zhang Jianming	Study on π - π Interaction in H- and J-Aggregates of Poly(3-hexylthiophene) Nanowires by Multiple Techniques
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The Journal of Physical Chemistry Letters

32389	George Reiter	7 (2016) 4433-4437	2015B1098	BL08W	Deb Aniruddha	Quantum Coherence and Temperature Dependence of the Anomalous State of Nanoconfined Water in Carbon Nanotubes
			2011A1074	BL08W	Deb Aniruddha	

Journal of Physics: Condensed Matter

32205	Kazuhiro Fuchizaki	28 (2016) 445101	2014A1126	BL04B2	淵崎 員弘	Structure of a Molecular Liquid Gel ₄
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Journal of Polymer Science Part B: Polymer 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
32234	Makoto Kido	54 (2016) 2275-2283	2013B1447	BL02B2	高原 淳	Effect of Molecular Weight on Microcrystalline Structure Formation in Polymer with Perylenediimide Side Chain
			2014A1250	BL40XU	高原 淳	
			2014B1198	BL40XU	小椎尾 謙	
			2015A1585	BL02B2	高原 淳	
			2015A1514	BL40XU	小椎尾 謙	
			2015A1582	BL40XU	高原 淳	
			2015B1459	BL40XU	小椎尾 謙	
			2015B1325	BL40XU	小椎尾 謙	
			2015B1541	BL02B2	小椎尾 謙	
2015B1188	BL40B2	高原 淳				

Journal of Power Source

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
32394	Takuya Matsuyama	313 (2016) 104-111	2013B1023	BL27SU	内本 喜晴	Structure Analysis using X-ray Photoelectron Spectroscopy and X-ray Absorption Near Edge Structure for Amorphous MS ₃ (M: Ti, Mo) Electrodes in All-Solid-State Lithium Batteries
			2014A1013	BL27SU	内本 喜晴	

Journal of Synchrotron Radiation

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
32679	Hongxin Wang	22 (2015) 1334-1344	2010B0032	BL09XU	Cramer Stephen	A Strenuous Experimental Journey Searching for Spectroscopic Evidence of a Bridging Nickel-Iron-Hydride in [NiFe] Hydrogenase
			2014B1032	BL09XU	Wang Hongxin	
			理研	BL19LXU		

Materials Science and Engineering 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
32262	Masaki Teranishi	678 (2016) 273-285	2014A1004	BL20XU	桑水流 理	Three-Dimensional Stress and Strain around Real Shape Si Particles in Cast Aluminum Alloy under Cyclic Loading
			2014B1026	BL20XU	桑水流 理	

Materials Transactions

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
32451	Mikako Takeda	50 (2009) 2242-2246	2006A5311	BL16B2	稲葉 雅之	Physical Properties of Iron-Oxide Scales on Si-Containing Steels at High Temperature
			2006B5311	BL16B2	稲葉 雅之	

Medicinal Chemistry

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
32546	Malleesh Beesu	58 (2015) 7833-7849	2013A1076	BL41XU	大戸 梅治	Structure-Based Design of Human TLR8-Specific Agonists with Augmented Potency and Adjuvanticity
			2013B1106	BL41XU	大戸 梅治	

Metalloenzymes in Denitrification : Applications and Environmental Impacts

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
32452	Masaki Nojiri	(2017) 91-113	2013A6841	BL44XU	野尻 正樹	Structure and Function of Copper Nitrite Reductase
			2013B6841	BL44XU	野尻 正樹	
			2014A6940	BL44XU	野尻 正樹	
			2014B6940	BL44XU	野尻 正樹	

Molecular 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
32497	Satoshi Morooka	88 (2015) 316-325	2014B1947	BL26B1	沼本 修孝	Identification of a Dual Inhibitor of SRPK ₁ and CK ₂ That Attenuates Pathological Angiogenesis of Macular Degeneration in Mice

Nature 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
32194	Junfeng He	14 (2015) 577-582	2014B1501	BL47XU	He Ruihua	Spectroscopic Evidence for Negative Electronic Compressibility in a Quasi-Three-Dimensional Spin-Orbit Correlated Metal

Nature Photonics

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
32365	Yusuke Tominaga	10 (2016) 723-726	2014B1195	BL38B1	杉山 成	Promotion of Protein Crystal Growth by Actively Switching Crystal Growth Mode via Femtosecond Laser Ablation
			2015A1046	BL38B1	丸山 美帆子	

Nature Structural and Molecular Biology

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
32543	Hiromi Tanji	22 (2015) 109-115	2012A1829	BL41XU	大戸 梅治	Toll-like Receptor 8 Senses Degradation Products of Single Stranded RNA
			2012B1179	BL41XU	大戸 梅治	
			2013A1076	BL41XU	大戸 梅治	
			2013B1106	BL41XU	大戸 梅治	
			2014A1123	BL41XU	大戸 梅治	
			2014B1421	BL41XU	大戸 梅治	

Nuclear Instruments and Methods in Physics Research Section A

32146	Junichiro Katsuta	840 (2016) 51-58	2015B1022	BL08W	深沢 泰司	Study of the Polarimetric Performance of a Si/CdTe Semiconductor Compton Camera for the <i>Hitomi</i> Satellite
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Nucleic Acids Research

32585	Takuji Oyama	44 (2016) 9505-9517	2015A1025	BL26B2	大山 拓次	Atomic Structure of an Archaeal GAN Suggests its Dual Roles as an Exonuclease in DNA Repair and a CMG Component in DNA Replication
			2016A2543	BL26B2	大山 拓次	

Optics Express

32398	Naomichi Kikuchi	24 (2016) 25548-25564	2014A1471	BL01B1	前田 良知	Atomic Scattering Factor of the ASTRO-H (<i>Hitomi</i>) SXT Reflector around the Gold's L Edges
			2014B1475	BL01B1	前田 良知	

Palaeontologia Electronica

32553	Yusuke Takeda	19 (2016) 46A	2015A1907	BL20B2	竹田 裕介	Non-destructive Analysis of in situ Ammonoid Jaws by Synchrotron Radiation X-ray Micro-Computed Tomography
			2013A1441	BL20B2	上杉 健太郎	

Physica Status Solidi B

32440	Philip J. Mousley	(2016) online published 25 Oct. 2016	2014B3513	BL11XU	Bell Gavin	In situ X-ray Diffraction of GaAs/MnSb/Ga(In)As Heterostructures
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Physical Chemistry Chemical Physics

32359	Rosantha Kumara	18 (2016) 30622-30629	2013B1207	BL04B2	Kumara Rosantha	Origin of the Catalytic Activity of Face-Centered-Cubic Ruthenium Nanoparticles Determined from an Atomic-Scale Structure
			2014A1321	BL04B2	坂田 修身	
			2014B1210	BL04B2	Kumara Rosantha	
			2015B1245	BL04B2	坂田 修身	

Physical Review A

32415	Shambhu Ghimire	94 (2016) 043418	2012B8004	BL3	Ghimire Shambhu	Nonsequential Two-Photon Absorption from the K Shell in Solid Zirconium
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Physical Review Letters

32159	Ei-ichiro Matsubara	117 (2016) 135501	2012B8044	BL3	松原 英一郎	Initial Atomic Motion Immediately Following Femtosecond-Laser Excitation in Phase-Change Materials
			2013A8048	BL3	松原 英一郎	
			2013B8053	BL3	松原 英一郎	
			2014A8037	BL3	松原 英一郎	
			2014B8062	BL3	松原 英一郎	

Physics Letters B

32448	Tomohiro Yamaji	763 (2016) 454-457	2015B8007	BL3	難波 俊雄	An Experiment of X-ray Photon-Photon Elastic Scattering with a Laue-case Beam Collider
			2014B8028	BL3	難波 俊雄	

PLoS Pathogens

32493	Bochao Wang	12 (2016) e1005594	2014B1234	BL26B1	中村 昇太	Crystal Structure of Human Herpesvirus 6B Tegument Protein U14
			2015A1070	BL26B1	鶴田 宏樹	
			2015A1101	BL26B2	中村 昇太	

Proceedings of the 2015 IEEE International Conference on Imaging Systems & Techniques (IST)

32539	Keiji Umetani	(2015) 11-15	2013B1898	BL20B2	梅谷 啓二	Development of 36M-Pixel Micro-CT Using Digital Single-Lens Reflex Camera
			2014A1839	BL20B2	梅谷 啓二	

Proceedings of THERMEC'2016

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
32174	Yoshikazu Nakai	(2016)	2013B1722	BL46XU	中井 善一	Misorientation Measurement of Individual Grains in Fatigue of Polycrystalline Alloys by Diffraction Contrast Tomography using Ultrabright Synchrotron Radiation
			2014A1587	BL46XU	中井 善一	
			2014B1798	BL19B2	中井 善一	
			2015A1849	BL46XU	中井 善一	
			2015B1786	BL46XU	中井 善一	

Progress of Theoretical and Experimental Physics

32286	Yuhei Morino	2015 (2015) 013D01	2013B6001	BL33LEP	堀田 智明	Backward-Angle Photoproduction of ω and η' Mesons from Protons in the Photon Energy Range from 1.5 to 3.0 GeV
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Review of Scientific Instruments

32166	Takashi Yoshino	87 (2016) 105106	2011B1214	BL04B1	芳野 極	Short-Period Cyclic Loading System for <i>in situ</i> X-ray Observation of Anelastic Properties at High Pressure
			2012A1084	BL04B1	芳野 極	
			2012B1175	BL04B1	芳野 極	
			2013B1125	BL04B1	芳野 極	
			2014B1215	BL04B1	芳野 極	
			2015B1187	BL04B1	芳野 極	
			2016A1713	BL43IR	芳野 極	

Science

32715	Eriko Nango	354 (2016) 1552-1557	2014B8051	BL3	南後 恵理子	A Three-Dimensional Movie of Structural Changes in Bacteriorhodopsin
			2015A8047	BL3	南後 恵理子	
			2015B8054	BL3	南後 恵理子	
			2015A1119	BL41XU	南後 恵理子	

Science of Advanced Materials

32584	Shota Nakayama	8 (2016) 2082-2088	2012B1863	BL46XU	足立 大樹	Correlation Between Mechanical Properties and Microstructure as a Function of W Content in Ni-W Dual-Phase Alloys
			2013A1243	BL46XU	足立 大樹	

Small

32470	Panpan Su	12 (2016) 6083-6089	2015B1174	BL01B1	神谷 和秀	Nickel-Nitrogen-Modified Graphene: An Efficient Electrocatalyst for the Reduction of Carbon Dioxide to Carbon Monoxide
			2016A1120	BL01B1	神谷 和秀	
			2016A1464	BL01B1	神谷 和秀	

Solid State Communications

32697	Masao Ichida	250 (2017) 119-122	2012B1341	BL43IR	市田 正夫	e-beam Irradiation Effects on IR Absorption Bands in Single-Walled Carbon Nanotubes
			2013A1258	BL43IR	市田 正夫	
			2014B1173	BL43IR	市田 正夫	
			2015B1549	BL43IR	市田 正夫	

Solid State Ionics

32162	Takanori Itoh	297 (2016) 20-28	2008B1877	BL19B2	伊藤 孝憲	Annealing Effect on Phase Stability of Doped Zirconia using Experimental and Computational Studies
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Structure

32147	Yan Zhao	22 (2014) 1152-1160	2013A1092	BL41XU	Zhang Cai	Crystal Structure of the <i>E. coli</i> Peptide Transporter YbgH
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Surface Science

32303	Tadashi Abukawa	656 (2017) 43-47	2013A7448	BL07LSU	虻川 匡司	Time-Resolved Soft X-ray Core-Level Photoemission Spectroscopy at 880 °C using the Pulsed Laser and Synchrotron Radiation and the Pulse Heating Current
			2014B7477	BL07LSU	虻川 匡司	

Transactions of the Materials Research Society of Japan

32568	Yukihiro Taguchi	41 (2016) 341-346	2011B1585	BL27SU	田口 幸広	Valence State of Mn in La _{1-x} Sr _x MnO ₃ Probed by Resonant Mn 3s → 2p X-ray Emission Spectroscopy
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X-ray Spectroscopy

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
32307	Yasushi Uehara	45 (2016) 357-362	2011B5132	BL16XU	上原 康	L-series X-ray Emission Spectra of 3d-metal Compounds with Various Excitation Conditions
			2012B5132	BL16XU	上原 康	
			2013A5130	BL16XU	上原 康	
			2013B5132	BL16XU	上原 康	

作物研究 (Journal of Crop Research)

32706	Tatsuya Inamura	61 (2016) 27-31	2014B1063	BL20B2	稲村 達也	Evaluation of Shattering Habit of the Unhulled Rice Excavated from the Remains in the Early Yayoi Period by X-ray CT Measuring
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生存圏研究 (Research Institute for Sustainable Humansphere)

32227	Suyako Tazuru	12 (2016) 55-61	2011B1239	BL20XU	田鶴 寿弥子	Wood Identification of Wooden Shinto Sculptures and Shishi-Komainu in Yosano City, Kyoto Prefecture
			2009B1981	BL20XU	杉山 淳司	
			2009B1093	BL20XU	杉山 淳司	
			2008B1563	BL20XU	杉山 淳司	

セラミックス (Ceramics Japan)

32273	Yasuhiro Yoneda	51 (2016) 689-693	2016A1049	BL04B2	米田 安宏	Local Structure Analysis of Ferroelectric Materials by Collaborating XAFS and PDF
			2016A3607	BL14B1	米田 安宏	
			2016A3620	BL14B1	塚田 真也	

電子情報通信学会論文誌 C (IEICE Transactions on Electronics (Japanese Edition))

32423	Koichi Nagamoto	J99-C (2016) 530-533	2013A1815	BL14B2	永元 公市	Analysis of Ga, In Co-doped in ZnO Polycrystalline Films Structure by the Synchrotron Radiation
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日本化粧品技術者会誌 (Journal of Society of Cosmetic Chemists of Japan)

32243	Sadanori Ban	50 (2016) 194-200	2012B1474	BL19B2	坂 貞徳	Study of Organogel Formed from Dextrin Fatty Acid Esters and Liquid Paraffin
			2011B1864	BL19B2	佐藤 真直	
			2012A1363	BL19B2	佐藤 真直	
			2012B1533	BL19B2	佐藤 真直	
			2014A1586	BL19B2	小泉 佑果	

日本食品工学会誌 (Japan Journal of Food Engineering)

32461	Masugu Sato	17 (2016) 83-88	2013B1847	BL19B2	佐藤 真直	Non-destructive Three-dimensional Observation of Structure of Ice Grains in Frozen Food by X-ray Computed Tomography Using Synchrotron Radiation
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日本物理学会誌 (Butsuri)

32420	Hiroyuki Shimada	71 (2016) 736-745	2013B3810	BL23SU	横谷 明德	A Spectroscopic Study for the Radiation Damage to Bio-Molecules under the Water Solution
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有機EL討論会 第23回例会予稿集

32604	Asami Yasui	(2016)	2013A1457	BL46XU	小川 慎吾	Study on Chemical State of Alq ₃ /Al Interface by HAXPES and TOF-SIMS
			2012B1888	BL46XU	小川 慎吾	

博士論文 (大阪大学)

32287	Sun-Young Ryu	(2015)	2014A6001	BL33LEP	堀田 智明	Study of Interference between ϕ and $\Lambda(1520)$ Near the Photoproduction Threshold
32444	Mikako Takeda	(2010)	2005B5311	BL16B2	稲葉 雅之	Study on Scale Properties and High-Temperature Properties in the Steel Manufacturing Process
			2006A5311	BL16B2	稲葉 雅之	
			2006B5311	BL16B2	稲葉 雅之	
			2009A5321	BL16B2	稲葉 雅之	
32618	Koshiro Yamane	(2015)	2013A1519	BL20XU	杉山 明	時間分解 X 線イメージングによる過共晶鋳鉄および Ni 基合金の凝固形態の解明
			2012A1302	BL20XU	杉山 明	
			2012B1293	BL20XU	杉山 明	
32718	Jangwook Kim	(2016)	理研	BL29XU		Nanofocusing of X-ray Free-Electron Lasers Using Multilayer Kirkpatrick-Baez Mirrors
			2012A8056	BL3	小山 貴久	
			2012B8052	BL3	小山 貴久	
			2013A8063	BL3	小山 貴久	
			2014A8051	BL3	小山 貴久	

博士論文 (東北大学)

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
32230	Kanakano Shojiki	(2016)	2011B1685	BL13XU	崔 正焄	MOVPE Growth Behavior and the Light-Emitting Device Applications of N-polar (0001) Nitride Semiconductors
			2014A1685	BL13XU	正直 花奈子	
			2014B1725	BL13XU	正直 花奈子	
2015A1820	BL13XU	正直 花奈子				
32392	Fumihiko Matsukura	(2014)	2013B1188	BL25SU	松倉 文礼	A Study on Magnetization Control by Electric-Field in Ferromagnetic Metals

博士論文 (University of Bristol)

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
32662	David Ernsting	(2015)	2013B1355	BL08W	Dugdale Stephen	Electron Momentum Density Studies of the Electronic Structure of Complex Systems : Measurements and ab initio Calculations

博士論文 (兵庫県立大学)

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
32183	Miori Hiraiwa	(2015)	2012A3258	BL24XU	平岩 美央里	放射光 X 線を用いた窒化ガリウム結晶中の格子欠陥に関する研究
			2012B3258	BL24XU	平岩 美央里	
			2012B3371	BL08B2	平岩 美央里	

課題以外の成果として登録された論文

Nuclear Instruments and Methods in Physics Research Section A

研究成果番号	主著者	雑誌情報		ビームライン	タイトル
32341	Hirokatsu Yumoto	616 (2010) 203-206	理研	BL29XU	Stitching-Angle Measurable Microscopic-Interferometer: Surface-Figure Metrology Tool for Hard X-ray Nanofocusing Mirrors with Large Curvature
32416	Takashi Ohshima	820 (2016) 65-74	加速器		Error Compensation of IQ Modulator using Two-Dimensional DFT
32641	Hidekazu Mimura	635 (2011) S16-S18	理研	BL29XU	One-Dimensional Sub-10-nm Hard X-ray Focusing using Laterally Graded Multilayer Mirror
32658	Hiroki Nakamori	710 (2013) 93-97	理研	BL29XU	X-ray Nanofocusing using a Piezoelectric Deformable Mirror and at-Wavelength Metrology Methods

Scientific Reports

研究成果番号	主著者	雑誌情報		ビームライン	タイトル
32258	Akihiro Suzuki	6 (2016) 35060	理研	BL29XU	Dark-field X-ray Ptychography: Towards High-resolution Imaging of Thick and Unstained Biological Specimens
32668	Jiwon Jung	4 (2014) 5083	理研	BL29XU	Four-Dimensional Visualization of Rising Microbubbles
32671	Takeshi Matsumoto	4 (2014) 5620	理研	BL44B2	CO ₂ -Free Power Generation on an Iron Group Nanoalloy Catalyst via Selective Oxidation of Ethylene Glycol to Oxalic Acid in Alkaline Media
32680	So Eun Chang	5 (2015) 8760	理研	BL19LXU	Synchrotron X-ray Imaging of Pulmonary Alveoli in Respiration in Live Intact Mice

Journal of Colloid and Interface Science

研究成果番号	主著者	雑誌情報		ビームライン	タイトル
32649	Masahiro Fujita	368 (2012) 629-635	理研	BL45XU	Structural Study on Gold Nanoparticle Functionalized with DNA and its Non-Cross-Linking Aggregation
32651	Wei Yang Ooi	374 (2012) 315-320	理研	BL45XU	Structural Characterization of Nanoparticles from Thermoresponsive Poly(N-isopropylacrylamide)-DNA Conjugate
32660	Masanobu Muro	390 (2013) 47-53	理研	BL45XU	Self-Association of Zwitterionic Polymer-Lipid Conjugates in Water as Examined by Scattering Measurements

Journal of Synchrotron Radiation

研究成果番号	主著者	雑誌情報		ビームライン	タイトル
32418	Takashi Tanaka	23 (2016) 1273-1281	加速器		Using Irregularly Spaced Current Peaks to Generate an Isolated Attosecond X-ray Pulse in Free-Electron Lasers
32642	Rui Xu	18 (2011) 293-298	理研	BL29XU	Coherent Diffraction Microscopy at SPring-8: Instrumentation, Data Acquisition and Data Analysis
32714	Dai Takei	23 (2016) 158-162	理研	BL29XU	X-ray Collimation by the Parabolic Cylinder Mirror in SPring-8/BL29XUL

Journal of the American Chemical Society-1

研究成果番号	主著者	雑誌情報		ビームライン	タイトル
32640	Jae-Hyuk Jang	133 (2011) 6865-6867	理研	BL26B2	Fusarisetin A, an Acinar Morphogenesis Inhibitor from a Soil Fungus, <i>Fusarium</i> sp. FN80326
			理研	BL26B1	

Journal of the American Chemical Society-2

研究成果番号	主著者	雑誌情報		ビームライン	タイトル
32659	Takashi Kajitani	135 (2013) 14564-14567	理研	BL45XU	<i>o</i> -Phenylene Octamers as Surface Modifiers for Homeotropic Columnar Ordering of Discotic Liquid Crystals
32694	Hiroshi Yamagishi	137 (2015) 7628-7631	理研	BL45XU	Metal-Organic Nanotube with Helical and Propeller-Chiral Motifs Composed of a C_{10} -Symmetric Double-Decker Nanoring

Journal of the Physical Society of Japan

32335	Shigemasa Suga	79 (2010) 044713	理研	BL19LXU	Hard X-ray Photoelectron Spectroscopy of Metal-Insulator Transition in V_6O_{13}
32338	Masato Kimura	79 (2010) 064710	理研	BL19LXU	Polaronic Behavior of Photoelectron Spectra of Fe_3O_4 Revealed by Both Hard X-ray and Extremely Low Energy Photons
32647	Satoshi Kitayama	81 (2012) SB055	理研	BL19LXU	Photon Energy Dependent Hard X-ray Photoemission Spectroscopy of $YbCu_2Si_2$

Nature Communications

32670	Richard Hahnke Kim	5 (2014) 3583	理研	BL44B2	Non-Volatile Organic Memory with Sub-Millimetre Bending Radius
32704	Chunji Li	6 (2015) 8418	理研 理研	BL45XU BL26B1	Macroscopic Ordering of Helical Pores for Arraying Guest Molecules Noncentrosymmetrically
32717	Kiyonobu Nagaya	7 (2016) 13477		SCSS	Interatomic Coulombic Decay Cascades in Multiply Excited Neon Clusters

Physical Review B

32333	Masaaki Obara	81 (2010) 113107	理研	BL19LXU	V-V Dimerization Effects on Bulk-Sensitive Hard X-ray Photoemission Spectra for Magnéli Phase Vanadium Oxides
32656	M. Sperlich	87 (2013) 235138	理研	BL19LXU	Intrinsic Correlated Electronic Structure of CrO_2 Revealed by Hard X-ray Photoemission Spectroscopy
32678	Y. Yamasaki	91 (2015) 100403(R)	理研	BL19LXU	X-ray Induced Lock-in Transition of Cycloidal Magnetic Order in a Multiferroic Perovskite Manganite

Physical Review Letters

32337	Yoshiki Kohmura	104 (2010) 244801	理研	BL19LXU	Berry-Phase Translation of X Rays by a Deformed Crystal
32473	M. Okawa	104 (2010) 247201	理研	BL29XU	Strong Valence Fluctuation in the Quantum Critical Heavy Fermion Superconductor β - $YbAlB_4$: A Hard X-Ray Photoemission Study
32663	Yoichi Yamamoto	112 (2014) 187603	理研	BL17SU	Time- and Angle-Resolved Photoemission Spectroscopy of Hydrated Electrons Near a Liquid Water Surface

AIP Conference Proceedings

32349	Takashi Kameshima	1741 (2016) 040033	理研 理研	BL29XU BL3	A Scintillator Fabricated by Solid-State Diffusion Bonding for High Spatial Resolution X-ray Imaging
32454	Keiichi Osaka	1741 (2016) 030003	理研	BL19B2	High-Throughput and Automated SAXS/USAXS Experiment for Industrial Use at BL19B2 in SPring-8

Journal of Physics: Conference Series

32636	Taiki Hoshino	272 (2011) 012020	理研	BL19LXU	X-ray Photon Correlation Spectroscopy of Silica Particles Grafted with Polymer Brush in Polystyrene Matrix
32637	Yoshihito Tanaka	278 (2011) 012018	理研	BL19LXU	Time-Resolved X-ray Diffraction Studies of Laser-Induced Acoustic Pulse Generation in Semiconductors using Synchrotron Radiation

Nature

32330	Olivier Cyr-Choinière	458 (2009) 743-745	理研	BL19LXU	Enhancement of the Nernst Effect by Stripe Order in a High- T_c Superconductor
32691	Mingjie Liu	517 (2015) 68-72	理研	BL45XU	An Anisotropic Hydrogel with Electrostatic Repulsion between Cofacially Aligned Nanosheets

Polymer Degradation and Stability-1

32643	Jiaqi Zhang	96 (2011) 2130-2138	理研	BL45XU	Mechanical Properties, Structure Analysis and Enzymatic Degradation of Uniaxially Cold-Drawn Films of Poly[(<i>R</i>)-3-hydroxybutyrate- <i>co</i> -4-hydroxybutyrate]
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Polymer Degradation and Stability-2

研究成果番号	主著者	雑誌情報		ビームライン	タイトル
32675	Jiaqi Zhang	110 (2014) 529-536	理研	BL45XU	Crystallization Behaviors of Poly[(<i>R</i>)-3-hydroxybutyrate- <i>co</i> -4-hydroxybutyrate]/poly(ethylene glycol) Graft TEMPO-oxidized Cellulose Nanofiber Blends

Review of Scientific Instruments

32340	Takashi Kimura	81 (2010) 123704	理研	BL29XU	Wavefield Characterization of Nearly Diffraction-Limited Focused Hard X-ray Beam with Size Less than 10 nm
32683	Takumi Goto	86 (2015) 043102	理研	BL29XU	Hard X-ray Nanofocusing using Adaptive Focusing Optics Based on Piezoelectric Deformable Mirrors

ACS Catalysis

32667	Zhiqi Cong	5 (2015) 150-156	理研	BL26B2	Activation of Wild-Type Cytochrome P450BM3 by the Next Generation of Decoy Molecules: Enhanced Hydroxylation of Gaseous Alkanes and Crystallographic Evidence
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ACS Macro Letters

32700	Yuta Koda	4 (2015) 377-380	理研	BL45XU	Star Polymer Gels with Fluorinated Microgels via Star-Star Coupling and Cross-Linking for Water Purification
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ACS Symposium Series

32650	Toshihisa Tanaka	1114 (2012) 171-185	理研	BL45XU	Physical Properties, Structure Analysis, and Enzymatic Degradation of Poly[(<i>R</i>)-3-hydroxybutyrate- <i>co</i> -(<i>R</i>)-3-hydroxyvalerate] Films and Fibers
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Acta Crystallographica Section F

32639	Fumiyoshi Okazaki	67 (2011) 779-781	理研	BL26B1	Expression, Crystallization and Preliminary X-ray Diffraction Studies of Thermostable β -1,3-xylanase from <i>Thermotoga neapolitana</i> Strain DSM 4359
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Biomacromolecules

32721	Kenjiro Yazawa	17 (2016) 1057-1066	理研	BL45XU	Influence of Water Content on the β -Sheet Formation, Thermal Stability, Water Removal, and Mechanical Properties of Silk Materials
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Biophysics

32692	Atsushi Mukaiyama	11 (2015) 79-84	理研	BL45XU	A Protocol for Preparing Nucleotide-Free KaiC Monomer
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Bioscience, Biotechnology, and Biochemistry

32661	Yuichi Shigeoka	77 (2013) 1637-1644	理研	BL45XU	Salt-Induced Changes in the Subunit Structure of the <i>Bacillus stearothermophilus</i> Lipoate Acetyltransferase
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Brain Structure and Function

32669	Jin Kyung Kim	220 (2015) 2263-2273	理研	BL29XU	Dendritic Planarity of Purkinje Cells is Independent of Reelin Signaling
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Chemical Science

32720	Masaaki Sadakiyo	7 (2016) 1349-1356	理研	BL44B2	A Significant Change in Selective Adsorption Behavior for Ethanol by Flexibility Control through the Type of Central Metals in a Metal-Organic Framework
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Current Opinion in Structural Biology

32648	Javier Pérez	22 (2012) 670-678	理研	BL29XU	Advances in X-ray Scattering: from Solution SAXS to Achievements with Coherent Beams
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The EMBO Journal

32652	Yoshinori Nishino	31 (2012) 1644-1653	理研	BL45XU	Human Mitotic Chromosomes Consist Predominantly of Irregularly Folded Nucleosome Fibres without a 30-nm Chromatin Structure
			理研	BL29XU	

International Journal of Photoenergy

32676	Kenji Kinashi	2014 (2014) 236382	理研	BL45XU	Reversible Visualization for Synchrotron Radiation Using Photochromic Dye and Photostimulable Phosphor Composite Film
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Journal of Electron Spectroscopy and Related Phenomena

研究成果番号	主著者	雑誌情報		ビームライン	タイトル
32654	Akira Sekiyama	190 (2013) 201-204	理研	BL19LXU	Polarization-Dependent Hard X-ray Photoemission Spectroscopy of Solids

Journal of Nanoscience and Nanotechnology

32635	Akira Saito	11 (2011) 2785-2792	理研	BL19LXU	Numerical Analysis on the Optical Role of Nano-Randomness on the <i>Morpho</i> Butterfly's Scale
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Langmuir

32702	Katsuhiko Kanaizuka	31 (2015) 10327-10330	理研	BL45XU	Observation of an Orientation Change in Highly Oriented Layer-by-Layer Films of a Ruthenium Complex upon Oxidation Reaction
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Macromolecular Bioscience

32722	Yinan Ma	16 (2016) 151-159	理研	BL45XU	Chemoenzymatic Synthesis of Oligo(L-cysteine) for Use as a Thermostable Bio-Based Material
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Microscopy

32666	Akira Saito	63 (2014) i14-i15	理研	BL19LXU	X-ray STM: Nanoscale Elemental Analysis & Observation of Atomic Track
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Molecular Cell

32695	Young-Min Soh	57 (2015) 290-303	理研	BL45XU	Molecular Basis for SMC Rod Formation and Its Dissolution upon DNA Binding
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Nature Materials

32693	Youn Soo Kim	14 (2015) 1002-1007	理研	BL45XU	Thermoresponsive Actuation Enabled by Permittivity Switching in an Electrostatically Anisotropic Hydrogel
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Nature Physics

32472	Hidekazu Mimura	6 (2010) 122-125	理研	BL29XU	Breaking the 10 nm Barrier in Hard-X-ray Focusing
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New Journal of Physics

32655	Junichi Yamaguchi	15 (2013) 043042	理研	BL19LXU	Different Evolution of the Intrinsic Gap in Strongly Correlated SmB_6 in Contrast to YbB_{12}
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Nucleic Acids Research

32685	Takeshi Shinohara	43 (2015) 973-986	理研	BL44B2	Loop L1 Governs the DNA-Binding Specificity and Order for RecA-Catalyzed Reactions in Homologous Recombination and DNA Repair
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Optics Express

32682	Satoshi Matsuyama	23 (2015) 9746-9752	理研	BL29XU	Achromatic and High-Resolution Full-Field X-ray Microscopy Based on Total-Reflection Mirrors
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Physical Review A

32716	James Harries	94 (2016) 063416		SCSS	Single-Atom Response of Helium Atoms to Pulses from an EUV Free-Electron Laser: Implications for the Subsequent Development of Superfluorescence
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Physical Review Special Topics - Accelerators and Beams

32417	Yuji Otake	19 (2016) 022001	加速器		Timing and Low-Level rf System for an X-ray Laser
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Polymer

32645	Pengju Pan	52 (2011) 895-900	理研	BL45XU	DNA-Functionalized Thermoresponsive Bioconjugates Synthesized via ATRP and Click Chemistry
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Proceedings of SPIE

32681	Taro Sakao	9603 (2015) 96030U	理研	BL29XU	Development of Precision Wolter Mirrors for Future Solar X-ray Observations
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Proceedings of the National Academy of Sciences of the United States of America

研究成果番号	主著者	雑誌情報		ビームライン	タイトル
32332	C. Huang	107 (2010) E45	理研	BL17SU	Reply to Soper et al.: Fluctuations in Water around a Bimodal Distribution of Local Hydrogen-Bonded Structural Motifs

Royal Society Open Science

32686	Takashi Kosone	2 (2015) 150006	理研	BL44B2	Coordination Nano-Space as Stage of Hydrogen Ortho-Para Conversion
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Solid State Sciences

32684	Eiji Nishibori	47 (2015) 27-31	理研	BL44B2	Revisit: High Resolution Charge Density Study of α -rhombohedral Boron using Third-Generation SR Data at SPring-8
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Structure

32674	Yohei Hizukuri	22 (2014) 326-336	理研	BL45XU	A Structure-Based Model of Substrate Discrimination by a Noncanonical PDZ Tandem in the Intramembrane-Cleaving Protease RseP
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Thin Solid Films

32688	Kouki Akaike	583 (2015) 34-39	理研	BL45XU	An Electron-Accepting Molecular Unit Exhibiting an Orientational Preference Favorable for Organic Photovoltaic Applications
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生産と技術 (Manufacturing & Technology)

32727	Akira Saito	65 (2013) 33-37	理研	BL19LXU	Nanoscale Chemical Analysis and Control by Synchrotron-Radiation-based STM
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博士論文 (大阪大学)

32719	Taito Osaka	(2016)	理研	BL29XU	X線励起超高速ダイナミクス測定のための硬X線分割・遅延光学系の開発
			装置技術	BL3	