

最近SPring-8から発表された成果リスト

財団法人高輝度光科学研究センター
利用業務部

SPring-8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23年1月～3月にその別刷もしくはコピー等を受理したもの（登録時期は問いません）を以下に紹介します。論文の情報（著者、巻、発行年、ページ、タイトル）に加え、データベースの登録番号（研究成果番号）を掲載していますので、詳細は上記検索ページの検索結果画面でご覧いただくことができます。また実施された課題の情報（課題番号、ビームライン、実験責任者名）も掲載しています。課題番号は最初の4文字が「year」、次の1文字が「term」、後ろの4文字が「proposal no.」となっていますので、この情報から以下のURLで公表している、各課題の英文利用報告書（SPring-8 User Experiment Report）を探してご覧いただくことができます。

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

今後も利用者情報には発行月の2ヶ月前の月末締めで、前号掲載分以降に登録された論文情報を掲載していく予定です。なお、データベースは毎日更新されていますので、最新情報はSPring-8論文データベース検索ページでご確認ください。なお、実験責任者のかたには、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2011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
Physical Review B	15	Japanese Journal of Applied Physics	3
Journal of Physics: Conference Series	10	Journal of Physics B	3
Acta Crystallography Section F	4	Journal of the Physical Society of Japan	3
Journal of Applied Physics	4	Optics Express	3
The Journal of Chemical Physics	4	Physical Review Letters	3
AIP Conference Proceedings	3	Proceedings of the National Academy of	3
Applied Physics Express	3	Physical Society of United States of	
Applied Physics Letters	3	America	

他全89誌、計 151報

課題の成果として登録された論文

Physical Review B

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
17211	Yoshinori Tamada	81 (2010) 132302	2007B1627	BL09XU	小野 輝男	Anisotropic Phonon Density of States in FePt Nanoparticles with $L1_0$ Structure
			2007A1121	BL09XU	小野 輝男	
17441	Daichi Kawana	81 (2010) 220202(R)	2007A3706	BL22XU	綿貫 徹	Intermediate-Valence Quasicrystal of a Cd-Yb Alloy under Pressure
			2007B3704	BL22XU	川名 大地	
			2008A3707	BL22XU	川名 大地	
18331	Nozomu Kamakura	83 (2011) 033103	2009A2011	BL27SU	木下 豊彦	Electronic Structure of Lithium Amide
			2009B1952	BL27SU	木下 豊彦	
18422	Akihiko Machida	83 (2011) 054103	2006A3701	BL22XU	町田 晃彦	Phase Separation of Lanthanum Hydride under High Pressure
			2006B3707	BL22XU	町田 晃彦	
			2008B3702	BL22XU	町田 晃彦	
18431	Ignace Jarrige	82 (2010) 165121	2005B4261	BL12XU	Jarrige Ignace	Charge Transfer in FeOCl Intercalation Compounds and Its Pressure Dependence: An X-ray Spectroscopic Study
18433	Shibing Wang	82 (2010) 144428	2007A4264	BL12XU	Cai Yong	High-pressure Evolution of Fe_2O_3 Electronic Structure Revealed by X-ray Absorption
18434	Jin-Ming Chen	82 (2010) 094442	2007A4256	BL12XU	Chen Jin-Ming	Intra- and Intersite Electronic Excitations in Multiferroic $TbMnO_3$ Probed by Resonant Inelastic X-ray Scattering
18436	Hitoshi Yamaoka	82 (2010) 125123	2009B4251	BL12XU	山岡 人志	Hybridization and Suppression of Superconductivity in $CeFeAsO_{1-y}$: Pressure and Temperature Dependence of the Electronic Structure
18439	Hitoshi Yamaoka	82 (2010) 035111	2008A4255	BL12XU	山岡 人志	Temperature and Pressure-induced Valence Transitions in $YbNi_2Ge_2$ and $YbPd_2Si_2$
18440	C. Gougoussis	81 (2010) 224519	2009A4255	BL12XU	Jarrige Ignace	Multiple Pre-edge Structures in Cu <i>K</i> -edge X-ray Absorption Spectra of High- T_c Cuprates Revealed by High-resolution X-ray Absorption Spectroscopy
18442	Hitoshi Yamaoka	81 (2010) 115137	2008B4255	BL12XU	山岡 人志	Electronic Structure of $(Ce_{1-x}Nd_x)_3Al$ Probed by Resonant X-ray Emission Spectroscopy
18482	Hiroyuki Okazaki	82 (2010) 195114	2009A1654	BL27SU	岡崎 宏之	Electronic Structure of Pristine and K-doped Solid Picene: Nonrigid Band Change and Its Implication for Electron-Intramolecular-Vibration Interaction
			2009B1697	BL27SU	岡崎 宏之	
18544	Kenji Ishii	83 (2011) 115121	2008B3502	BL11XU	石井 賢司	Momentum-resolved Electronic Excitations in the Novel Mott Insulator Sr_2IrO_4 Studied by Resonant Inelastic X-ray Scattering
18571	Alessandro Erba	83 (2011) 125208	2009A2022	BL08W	櫻井 吉晴	Beyond a Single-Determinal Description of the Density Matrix of Periodic System: Experiment Versus Theoretical Compton Profiles of Crystalline Silicon
18588	X. X. Wang	83 (2011) 100410(R)	2010A4800	BL15XU	小林 啓介	Structure and Magnetism of the Postlayered Perovskite $Sr_3Co_2O_6$: A Possible Frustrated Spin-Chain Material
			2010B4800	BL15XU	小林 啓介	

Journal of Physics: Conference Series

17261	Kazuhiro Ueda	83 (2007) 012004	2006A5090	BL16XU	上田 和浩	Using Anomalous Dispersion Effect for Maximum Entropy Method Analysis of X-ray Reflectivity from Thin-Film Stacks
			2006B5090	BL16XU	上田 和浩	
17442	Tetsu Watanuki	215 (2010) 012019	2001B0588	BL10XU	綿貫 徹	Structural Stability of an Icosahedral Cd-Yb Quasicrystal and Its Crystalline Approximant under High Pressure
			2002A0572	BL10XU	綿貫 徹	
			2002B0676	BL10XU	綿貫 徹	
18358	Daisuke Yamazaki	215 (2010) 012096	2009A1521	BL04B1	山崎 大輔	Preliminary Reports on in situ X-ray Observation of "Post-Perovskite" in $CaRuO_3$
			2009B1318	BL04B1	山崎 大輔	
18377	Moriya Kikuchi	272 (2011) 012016	2010A7220	BL03XU	岡本 泰志	Static and Dynamic Scattering from Polysulfobetaine Immobilized on Silica Nanoparticle in Ionic Liquid
18380	Masashi Handa	272 (2011) 012014	2010A1044	BL27SU	篠原 佑也	Improvement of SAXS Measurement Near the Sulfur <i>K</i> -edge
18416	Isamu Akiba	272 (2011) 012022	2009B1202	BL45XU	秋葉 勇	Anomalous Small-angle X-ray Scattering Study on Aggregation of a Block Copolymer in a Selective Solvent
			2010A1089	BL40B2	櫻井 和朗	

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
18511	Ichiro Hatta	272 (2011) 012025	2006A1074	BL40B2	八田 一郎	Penetration Route of Functional Molecules in Stratum Corneum Studied by Time-Resolved Small- and Wide- Angle X-ray Diffraction
			2008A1458	BL40B2	八田 一郎	
			2009A1779	BL19B2	八田 一郎	
			2005B0304	BL40B2	中沢 寛光	
			2007A1955	BL40B2	中沢 寛光	
2010B1240	BL40B2	中沢 寛光				
18534	Mina Sakuragi	272 (2011) 012011	2009A0012	BL40B2	櫻井 和朗	Transformation from Multilamellar to Unilamellar Vesicles by Addition of a Cationic Lipid to PEGylated Liposomes Explored with Synchrotron Small Angle X-ray Scattering
			2008B0012	BL40B2	櫻井 和朗	
18537	Kenichi Funakoshi	215 (2010) 012027	2007B1246	BL04B1	西原 遊	High-pressure Two-dimensional Angle-dispersive X-ray Diffraction Measurement System Using a Kawai-type Multianvil Press at SPring-8
			2008A1180	BL04B1	西原 遊	
18558	Isamu Akiba	272 (2011) 012023	2010A1089	BL40B2	櫻井 和朗	Metalation-induced Micelle Formation of a Block Copolymer in Non-selective Solvent
			2009B1202	BL45XU	秋葉 勇	

Acta Crystallographica Section F

17455	Nipawan Nuemket	66 (2010) 608-610	2010A1055	BL41XU	田中 勲	Preliminary X-ray Crystallographic Study of the Receptor Binding Domain of the D/C Mosaic Neurotoxin from <i>Clostridium botulinum</i>
18454	Aya Watanabe	67 (2011) 313-317	2010B1254	BL32XU	和田 啓	Expression, Purification and Preliminary X-ray Crystallographic Analysis of Cyanobacterial Biliverdin Reductase
			2009B1219	BL38B1	和田 啓	
			2009A1183	BL38B1	和田 啓	
18506	Tatsuya Ibuki	65 (2009) 47-50	2007A1657	BL41XU	今田 勝巳	Crystallization and Preliminary X-ray Analysis of FliJ, a Cytoplasmic Component of the Flagellar Type III Protein-Export Apparatus from <i>Salmonella</i> sp.
			2008A1392	BL41XU	今田 勝巳	
18508	Yuki Kikuchi	65 (2009) 17-20	2007B1888	BL38B1	今田 勝巳	Crystallization and Preliminary X-ray Analysis of a C-terminal Fragment of FlgJ, a Putative Flagellar Rod Cap Protein from <i>Salmonella</i>
			2007B2049	BL41XU	今田 勝巳	

American Mineralogist

18312	Hidenori Terasaki	96 (2011) 93-99	2008B1439	BL04B1	寺崎 英紀	Hydrogenation of FeSi under High Pressure
			2009A1206	BL04B1	寺崎 英紀	
			2009B1184	BL04B1	寺崎 英紀	
18357	Daisuke Yamazaki	96 (2011) 89-92	2010A1193	BL04B1	山崎 大輔	Phase Boundary between Perovskite and Post-Perovskite Structures in MnGeO ₃ Determined by in situ X-ray Diffraction Measurements Using Sintered Diamond Anvils
			2009B1318	BL04B1	山崎 大輔	
			2009A1521	BL04B1	山崎 大輔	
			2007A1398	BL04B1	山崎 大輔	
18438	Jung-Fu Lin	95 (2010) 1125-1131	2009B4252	BL12XU	Lin Jung-Fu	Resonant X-ray Emission Study of the Lower-mantle Ferropericlae at High Pressures

Applied Physics Letters

18375	Teruhiko Mizoroki	98 (2011) 052107	2009A2022	BL08W	櫻井 吉晴	Effect of Hole Doping in Electronic States of La _{1-x} Sr _x MnO ₃ Probed by Magnetic Compton Scattering
			2009B1938	BL08W	伊藤 真義	
18382	Katsuhiro Isozaki	97 (2010) 221101	2009B1471	BL40B2	磯崎 勝弘	Chemical Coating of Large-Area Au Nanoparticle Two- Dimensional Arrays as Plasmon-Resonant Optics
18483	Hiroyuki Okazaki	98 (2011) 082107	2007B1528	BL25SU	横谷 尚睦	Multiple Phosphorus Chemical Sites in Heavily Phosphorus-Doped Diamond

Journal of Applied Physics

18368	Yuji Muraoka	107 (2010) 073910	2008B1838	BL27SU	横谷 尚睦	Room Temperature Ferromagnetic Behavior in the Hollandite-type Titanium Oxide
18369	Yuji Muraoka	108 (2010) 043916	2010A1520	BL27SU	村岡 祐治	Bulk and Surface Physical Properties of a CrO ₂ Thin Film Prepared from a Cr ₆ O ₂₁ Precursor
18591	Shinya Kosugi	109 (2011) 07B737	2010A1149	BL08W	岩瀬 彰宏	Study on Ion-Irradiation-Induced Ferromagnetism in FeRh Intermetallic Compound by Means of Magnetic Compton Scattering
			2010B1191	BL08W	岩瀬 彰宏	

The Journal of Chemical 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
18432	Jin-Ming Chen	133 (2010) 154510	2007A4256	BL12XU	Chen Jin-Ming	Pressure-dependent Electronic Structures in Multiferroic DyMnO ₃ : a Combined Lifetime-broadening-suppressed X-ray Absorption Spectroscopy and <i>Ab Initio</i> Electronic Structure Study
18507	Isao Suzuki	134 (2011) 084312	2009A1085	BL27SU	長岡 伸一	Projection of Si 1s Photoexcited Orbitals into Resonant Auger Electron Spectra in KLL Decays of Si(CH ₃) ₄ and SiF ₄
			2009B1100	BL27SU	長岡 伸一	
18545	Bachir Aoun	134 (2011) 104509	2004B0200	BL04B2	Goldbach Andreas	Nanoscale Heterogeneity in Alkyl-methylimidazolium Bromide Ionic Liquids
			2005A0249	BL04B2	Goldbach Andreas	
			2009B1094	BL04B2	Saboungi Marie-Louise	

Journal of the Physical Society of Japan

18499	Kenji Tanabe	80 (2011) 024709	2007B1952	BL14B2	木村 薫	Low Critical Concentration of Metal-Insulator Transition of Vanadium Doped Amorphous Boron
			2008A1828	BL14B2	木村 薫	
18573	Yutaka Moritomo	80 (2011) 024603	2009A1041	BL02B2	守友 浩	High-Pressure Raman Spectroscopy of Transition Metal Cyanides
			2010A1042	BL02B2	守友 浩	
18587	Nobuyoshi Hosoito	80 (2011) 044703	2006A1648	BL39XU	細糸 信好	Observation of Conduction Electron Spin Polarization Induced in the Ru Layer of the Antiferromagnetically Coupled Co/Ru Multilayer by Resonant X-ray Magnetic Scattering at the Ru K Absorption Edge
			2007B1711	BL39XU	細糸 信好	

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

15358	Xiaochun Li	106 (2009) 14837-14842	2008B0019	BL41XU	Yan Nieng	Cleavage of RseA by RseP Requires a Carboxyl-Terminal Hydrophobic Amino Acid Following DegS Cleavage
17456	Masaaki Sokabe	106 (2009) 11028-11033	2009A1026	BL41XU	田中 勲	The Structure of Alanine-tRNA Synthetase with Editing Domain
18318	Hiroyuki Morita	107 (2010) 669-673	2008A3005	BL24XU	杉尾 成俊	A Structure-based Mechanism for Benzalactone Synthase from <i>Rheum palmatum</i>

Applied Physics Express

18491	Hidekazu Takano	4 (2011) 019102	2009A3203	BL24XU	高野 秀和	Reply to "Comment on 'Sub-15nm Hard X-Ray Focusing with a New Total-Reflection Zone Plate' "
18572	Jungeun Kim	4 (2011) 025801	2010B1063	BL02B2	守友 浩	Extended d-Electron State of Fe(CN) ₆ Unit in Prussian Blue Analogue
			2009A1041	BL02B2	守友 浩	

Biochemistry

15796	Yuming Xiao	47 (2008) 6612-6627	2008A0015	BL09XU	Cramer Stephen	Dynamics of <i>Rhodobacter capsulatus</i> [2Fe-2S] Ferredoxin VI and <i>Aquifex aeolicus</i> Ferredoxin 5 via Nuclear Resonance Vibrational Spectroscopy (NRVS) and Resonance Raman Spectroscopy
18471	Naoki Shibata	50 (2011) 591-598	2008A6814	BL44XU	柴田 直樹	How Coenzyme B ₁₂ -Dependent Ethanolamine Ammonia-Lyase Deals with Both Enantiomers of 2-Amino-1-propanol as Substrates: Structure-Based Rationalization
			2008B6814	BL44XU	柴田 直樹	
			2009A6920	BL44XU	柴田 直樹	
			2009B6920	BL44XU	柴田 直樹	

Chemistry Letters

18327	Atsushi Takagaki	40 (2011) 150-152	2008B1328	BL01B1	海老谷 幸喜	Genesis of Catalytically Active Gold Nanoparticles Supported on Hydrotalcite for Base-free Selective Oxidation of Glycerol in Water with Molecular Oxygen
			2009B1497	BL01B1	海老谷 幸喜	
18376	Wei Ma	40 (2011) 159-161	2010A1454	BL02B2	高原 淳	Surface Modification of Individual Imogolite Nanotubes with Alkyl Phosphate from an Aqueous Solution

The FEBS Journal

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
18472	Tutomu Nakamura	278 (2011) 598-609	2010B6506	BL44XU	上垣 浩一	Crystal Structure of the Cambialistic Superoxide Dismutase from <i>Aeropyrum pernix</i> K1 - Insights into the Enzyme Mechanism and Stability
			2010A6506	BL44XU	上垣 浩一	
			2009B6906	BL44XU	上垣 浩一	
			2009A6906	BL44XU	上垣 浩一	
18473	Hiroaki Tsuji	277 (2010) 2683-2695	2009B6906	BL44XU	上垣 浩一	Kinetic and Crystallographic Analyses of the Catalytic Domain of Chitinase from <i>Pyrococcus furiosus</i> - the Role of Conserved Residues in the Active Site
			2009A6906	BL44XU	上垣 浩一	
			2008B6805	BL44XU	上垣 浩一	
			2008A6805	BL44XU	上垣 浩一	

Japanese Journal of Applied Physics

18360	Takayoshi Shimura	50 (2011) 010112	2006B1759	BL13XU	福田 一徳	Characterization of SiGe Layer during Ge Condensation Process by X-ray Diffraction Methods
			2007A2029	BL13XU	志村 考功	
			2007B1763	BL13XU	志村 考功	
			2008A1652	BL13XU	志村 考功	
			2008B1821	BL13XU	志村 考功	
18424	Yasushi Kagoshima	50 (2011) 022503	C04B5042	BL24XU	籠島 靖	Tandem-Phase Zone-Plate Optics for High-Energy X-ray Focusing

Journal of the American Chemical Society

14517	Masakazu Higuchi	131 (2009) 10336-10337	2008A1569	BL02B2	樋口 雅一	Porous Coordination Polymer with Pyridinium Cationic Surface, [Zn ₂ (tpa) ₂ (cpb)]
			理研	BL44B2		
			2008A1710	BL02B2	北川 進	
18270	Zachary Tonzetich	132 (2010) 6914-6916	2009A0015	BL09XU	Cramer Stephen	Identification of Protein-Bound Dinitrosyl Iron Complexes by Nuclear Resonance Vibrational Spectroscopy

KEK Proceedings

18072	Hidenori Toyokawa	2009 (2010) 28-35	2008A2015	BL46XU	佐藤 真直	Development of Energy-Resolved X-ray Imaging Method with Silicon Pixel Detectors
			2006A1780	BL46XU	豊川 秀訓	
18298	Hidenori Toyokawa	2010 (2010) 220-225	2010A1964	BL14B2	豊川 秀訓	The First Step Status of Cadmium Telluride Pixel Detector Development at SPring-8
			2010A1965	BL46XU	佐藤 真直	

Materials Transactions

15143	Mitsuharu Yonemura	47 (2006) 2292-2298	2004B0363	BL46XU	米村 光治	Two-Dimensional Time-Resolved X-ray Diffraction Study of Directional Solidification in Steels
17819	Shotaro Senoo	49 (2008) 1229-1234	2007A1898	BL19B2	鈴木 茂	Structural Characterization of Stress-Induced Martensitic Transformation in a Polycrystalline Austenitic Fe-Mn-Si-Cr Alloy

Optics Express

18384	Hidenosuke Itoh	19 (2011) 3339-3346	2009A1952	BL20B2	伊藤 英之助	Two-Dimensional Grating-Based X-ray Phase-Contrast Imaging Using Fourier Transform Phase Retrieval
18441	Ying-Yi Chang	18 (2010) 7886-7892	2009B4256	BL12XU	Chang Shih-Lin	Diffraction-enhanced Beam-focusing for X-rays in Curved Multi-plate Crystal Cavity

Physica Status Solidi C

18389	Yuji Muraoka	8 (2011) 555-557	2008B1838	BL27SU	村岡 祐治	Synthesis and Physical Properties of the Hollandite-type Titanium Oxide K _x Ti ₈ O ₁₆
18519	Tomoya Konishi	8 (2011) 405-407	2009A3572	BL11XU	塚本 史郎	Surface Study of Organopalladium Molecules on S-terminated GaAs
			2008B3573	BL11XU	塚本 史郎	
			2008A3571	BL11XU	塚本 史郎	
			2007B3571	BL11XU	塚本 史郎	

Physical Review 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
18437	Binping Xie	82 (2010) 032501	2008A4262	BL12XU	Feng Donglai	Inelastic X-ray Scattering Study of the State-resolved Differential Cross Section of Compton Excitations in Helium Atoms
18478	Konstantin Pavlov	83 (2011) 013813	2009A1376	BL20XU	Pavlov Konstantin	Quantized Hard-X-Ray Phase Vortices Nucleated by Aberrated Nanolenses

Physical Review Letters

18430	Ho-kwang Mao	105 (2010) 186404	2007A4264	BL12XU	Cai Yong	Electronic Structure of Crystalline ⁴ He at High Pressures
18590	Akihisa Koizumi	106 (2011) 136401	2006B1463	BL08W	小泉 昭久	f Electron Contribution to the Change of Electronic Structure in CeRu ₂ Si ₂ with Temperature : A Compton Scattering Study

Physics and Chemistry of Minerals

18361	Steeve Greaux	38 (2010) 85-94	2009A1300	BL04B1	Greaux Steeve	<i>P-V-T</i> Equation of State of C ₃ Al ₂ Si ₃ O ₁₂ Grossular Garnet
18559	Taku Okada	38 (2011) 251-258	2009B1443	BL10XU	浜根 大輔	High-Pressure Phase Behavior of MnTiO ₃ :
			2009A1228	BL10XU	浜根 大輔	Decomposition of Perovskite into MnO and MnTi ₂ O ₅

Radiation Physics and Chemistry

17215	Masatoshi Ukai	77 (2008) 1265-1269	2006B3833	BL23SU	鶴飼 正敏	X-ray Absorption Spectrum for Guanosine-5'-monophosphate in Water Solution in the Vicinity of the Nitrogen K-edge Observed in Free Liquid Jet in Vacuum
17216	Masatoshi Ukai	78 (2009) 1202-1206	2008A3810	BL23SU	鶴飼 正敏	Synchrotron Radiation Photoelectron Studies for Primary Radiation Effects using a Liquid Water Jet in Vacuum: Total and Partial Photoelectron Yields for Liquid Water Near the Oxygen K-edge

X-Ray Optics and Instrumentation

17115	Yasuko Terada	2010 (2010) 317909	2008A1662	BL37XU	武田 志乃	High-Energy X-Ray Microprobe System with Submicron Resolution for X-Ray Fluorescence Analysis of Uranium in Biological Specimens
			2007A1392	BL37XU	武田 志乃	
18443	Ying-Yi Chang	2010 (2010) 421945	2009B4256	BL12XU	Chang Shih-Lin	Focusing X-rays with Curved Multiplate Crystal Cavity

Acta Crystallographica Section B

18326	Masami Kanzaki	67 (2011) 30-40	2009B1187	BL04B1	神崎 正美	Structures of Two New High-Pressure Forms of AlPO ₄ by X-ray Powder Diffraction and NMR Spectroscopy
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AIP Conference Proceedings

18023	Jungeun Kim	1234 (2010) 256-259	2008B2141	BL02B2	金 廷恩	Development of an in-situ Structure/Photo-Absorption Coincident Measurement System for Precise Structure-Optical Property Relationship Research at SPring-8
			2008B1628	BL02B2	金 廷恩	
			装置 & 技術	BL44B2		

Angewandte Chemie

18535	Kazunori Matsuura	122 (2010) 9856-9859	2009A0012	BL40B2	櫻井 和朗	Self-Assembled Synthetic Viral Capsids from a 24-mer Viral Peptide Fragment
			2009B1397	BL40B2	櫻井 和朗	

Applied Geochemistry

17137	Takaaki Itai	25 (2010) 34-47	2005A0628	BL01B1	高橋 嘉夫	Variations in the Redox State of As and Fe Measured by X-ray Absorption Spectroscopy in Aquifers of Bangladesh and Their Effect on As Adsorption
			2006B1701	BL37XU	板井 啓明	
			2006B1099	BL01B1	高橋 嘉夫	

Applied Surface Science

18374	Michio Okada	257 (2011) 4257-4263	2009B3801	BL23SU	寺岡 有殿	Oxidation of TiNi Surface with Hyperthermal Oxygen Molecular Beams
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Calcified Tissue International

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
18316	Takeshi Matsumoto	88 (2011) 54-62	2007A1246	BL20B2	松本 健志	Three-Dimensional Cortical Bone Microstructure in a Rat Model of Hypoxia-Induced Growth Retardation

Catalysis Today

17651	Hirohisa Tanaka	117 (2006) 321-328	原研	BL14B1		The Intelligent Catalyst Having the Self-Regenerative Function of Pd, Rh and Pt for Automotive Emissions Control
			2005A0361	BL01B1	谷口 昌司	

Chemical Communications

18589	Yoshihiro Tsumimoto	(2011) 3263-3265	2010B4505	BL15XU	辻本 吉廣	New Layered Cobalt Oxyfluoride, Sr ₂ CoO ₃ F
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Chemical Physics Letters

17214	Masatoshi Ukai	495 (2010) 90-95	2006B3833	BL23SU	鞆飼 正敏	X-ray Absorption Spectra of Nucleotides (AMP, GMP, and CMP) in Liquid Water Solutions Near the Nitrogen K-edge
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Chemistry - A European Journal

18356	Thomas Mathew	17 (2011) 1092-1095	2009B7002	BL33XU	長井 康貴	Mesoporous 2-Line Ferrihydrite by a Solution-Phase Cooperative Assembly Process for Removal of Organic Contaminants in Air
			2010A7001	BL33XU	長井 康貴	

Chemistry of Materials

18332	Dmitriy Rusakov	23 (2011) 285-292	2009A1136	BL02B2	Belik Alexei	Structural Evolution of the BiFeO ₃ -LaFeO ₃ System
			2010A1215	BL02B2	Belik Alexei	

Corrosion Science

18404	Katsuya Inoue	52 (2010) 1421-1427	2008A1902	BL14B2	鈴木 茂	Oxidation of Green Rust Suspensions Containing Different Chromium Ion Species
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Current Applied Physics

18435	Su Jae Kim	11 (2011) 649-652	2009A1399	BL02B2	Kim Su Jae	An Electrostatic Potential Study of Asymmetric Ionic Conductivity in Li ₂ B ₄ O ₇ Crystals
			2009A0084	BL02B2	久保田 佳基	

e-Journal of Surface Science and Nanotechnology

18425	Hironori Ofuchi	9 (2011) 51-53	2010A1867	BL14B2	藤原 康文	Fluorescence XAFS Analysis of Eu-Doped GaN Layers Grown by Organometallic Vapor Phase Epitaxy
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Earth and Planetary Science Letters

18428	Yuki Shibazaki	301 (2011) 153-158	2008B1439	BL04B1	寺崎 英紀	Effect of Hydrogen on the Melting Temperature of FeS at High Pressure: Implications for the Core of Ganymede
			2009A1206	BL04B1	寺崎 英紀	

The EMBO Journal

17457	Sarin Chimnaronk	28 (2009) 1362-1373	2009B1158	BL41XU	姚 閔	RNA Helicase Module in an Acetyltransferase That Modifies a Specific tRNA Anticodon
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Environmental and Experimental Botany

18396	Noriko Yamaguchi	71 (2011) 198-206	2008A1087	BL37XU	山口 紀子	Cadmium Distribution in the Root Tissues of Solanaceous Plants with Contrasting Root-to-Shoot Cd Translocation Efficiencies
			2008B1791	BL37XU	山口 紀子	

Faraday Discussions

18272	Vladimir Pelmenchikov	148 (2011) 409-420	2009B0015	BL09XU	Cramer Stephen	Fe-H/D Stretching and Bending Modes in Nuclear Resonant Vibrational, Raman and Infrared Spectroscopies: Comparisons of Density Functional Theory and Experiment
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FASEB Journal

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
18549	Julien Ochala	(2011) Published Online	2009B1918	BL45XU	Ochala Julien	Disrupted Myosin Cross-bridge Cycling Kinetics Triggers Muscle Weakness in Nebulin-Related Myopathy

High Pressure Research

18550	Takahiro Matsuoka	31 (2011) 64-67	2009A1434	BL10XU	松岡 岳洋	Structural and Electrical Transport Properties of FeH _x under High Pressures and Low Temperatures
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Inorganic Chemistry

18257	Atsushi Kondo	49 (2010) 9247-9252	2006B1587	BL02B2	金子 克美	Dynamic Changes in Dimensional Structures of Co-Complex Crystals
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ISIJ International

18328	Masayasu Nagoshi	51 (2011) 93-98	2006A1441	BL37XU	名越 正泰	Micro-beam XRF and Fe-K Edge XAFS on the Cross Section of the Rust Layer Formed on a Weathering Steel
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Journal of Alloys and Compounds

18330	Taisuke Ono	506 (2010) 297-301	2008B2101	BL19B2	坪田 雅己	Structural and Thermal Gas Desorption Properties of Metal Aluminum Amides
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The Journal of Biological Chemistry

18426	Takeshi Murakawa	286 (2011) 2774-2784	2009B6939	BL44XU	村川 武志	Product-assisted Catalysis as the Basis of the Reaction Specificity of Threonine Synthase
			2009A6939	BL44XU	村川 武志	

Journal of Fuel Cell Science and Technology, Transactions of the ASME

18381	Masashi Mori	8 (2011) 011007	2007B1915	BL19B2	伊藤 孝憲	Sintering Mechanisms of Cobalt-Doped Ceria and Zirconia Electrolytes in Intermediate-Temperature Solid Oxide Fuel Cells
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Journal of Materials Research

15689	Yoshitsugu Kojima	24 (2009) 2185-2190	2008A1557	BL02B2	坪田 雅己	Molecular Hydrogen Carrier with Activated Nanohydride and Ammonia
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Journal of Physical Chemistry C

18306	Tatsuya Okubo	115 (2011) 443-446	2007B1283	BL04B2	脇原 徹	Mechanistic Study on the Synthesis of a Porous Zincosilicate VPI-7 Containing Three-Membered Rings
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Journal of Physics B: Atomic, Molecular and Optical Physics

18465	Hiroshi Sakurai	44 (2011) 065001	2009A1047	BL08W	桜井 浩	Accurate Compton Scattering Measurements of Noble Gases: Importance of Electron Correlations in Heavy Atoms
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Journal of Physics D: Applied Physics

17396	Hirokazu Fukidome	43 (2010) 374012	2009A3876	BL23SU	末光 眞希	Epitaxial Graphene on Silicon Substrates
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Journal of Synchrotron Radiation

18486	Kentaro Uesugi	18 (2011) 217-223	2007A1089	BL20B2	上杉 健太郎	Comparison of Lens- and Fiber-Coupled CCD Detectors for X-ray Computed Tomography
			2008A1517	BL20B2	上杉 健太郎	
			2009A1442	BL20B2	星野 真人	

Langmuir

18403	Daisuke Matsukuma	27 (2011) 1269-1274	2010A1454	BL02B2	高原 淳	Preparation of Low-Surface-Energy Poly[2-(perfluorooctyl)ethyl acrylate] Microparticles and Its Application to Liquid Marble Formation
			2010A1532	BL40B2	高原 淳	

Macromolecules

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
18496	Kazuhiro Takizawa	44 (2011) 349-359	2009B1306	BL40B2	安藤 慎治	Relationship between Molecular Aggregation Structures and Optical Properties of Polyimide Films Analyzed by Synchrotron Wide-Angle X-ray Diffraction, Infrared Absorption and UV/visible Absorption Spectroscopy at Very High Pressure

Materials Research Society Symposium Proceedings

18536	Masaharu Oshima	1318 (2011) mrsf10-1318- tt06-01	2007B4802	BL15XU	堀場 弘司	Electronic Structures of Non-Pt Carbon Alloy Catalysts for Polymer Electrolyte Membrane Fuel Cells Revealed by Synchrotron Radiation Analyses
			2009A1857	BL14B2	尾嶋 正治	
			2009A1008	BL27SU	尾嶋 正治	
			2009B1038	BL47XU	尾嶋 正治	
			2010A7403	BL07LSU	原田 慈久	

Materials Science Forum

18555	Kenji Suzuki	681 (2011) 278-283	2008A1766	BL02B1	田中 良彦	Residual Stresses in Austenitic Stainless Steel due to High Strain Rate
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Molecular Cell

18451	Masatoshi Hagiwara	41 (2011) 432-444	2010B6505	BL44XU	稲葉 謙次	Structural Basis of an ERAD Pathway Mediated by the ER-resident Disulfide Reductase ERdj5
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Nature Materials

18344	Toshiyuki Matsunaga	10 (2011) 129-134	2007A1223	BL04B2	松永 利之	From Local Structure to Nanosecond Recrystallization Dynamics in AgInSbTe Phase-Change Materials
			2008A1409	BL47XU	松永 利之	
			2009A1980	BL14B2	小原 真司	

Nature Structural and Molecular Biology

18510	Tatsuya Ibuki	18 (2011) 277-282	2007A1657	BL41XU	今田 勝巳	Common Architecture of the Flagellar Type III Protein Export Apparatus and F- and V-type ATPases
			2008A1392	BL41XU	今田 勝巳	

Organic Electronics

17462	Takashi Kushida	11 (2010) 1323-1326	2009A1773	BL46XU	串田 尚	Field-effect Transistor Characteristics and Microstructure of Regioregular Poly(3-hexylthiophene) on Alkylsilane Self-assembled Monolayers Prepared by Microcontact Printing
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Organic Letters

18513	Hirohito Tsue	13 (2011) 490-493	2009A1425	BL02B2	津江 広人	Spontaneous and Selective CO ₂ Sorption under Ambient Conditions in Seemingly Nonporous Molecular Crystal of Azacalix[5]arene Pentamethyl Ether
			2010A1346	BL02B2	津江 広人	
			2010B1496	BL02B2	津江 広人	

Physica B

18370	Kazuhiko Kawabata	406 (2011) 890-894	2008A1274	BL01B1	山本 知之	Substitution Mechanism of Zn Ions in β -tricalcium Phosphate
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Physics in Medicine and Biology

18350	Marcus Kitchen	56 (2011) 515-534	2009A1882	BL20B2	Kitchen Marcus	Phase Contrast Image Segmentation Using a Laue Analyser Crystal
			2009A0022	BL20B2	Lewis Rob	
			2008A0002	BL20B2	Lewis Rob	

Physics of the Earth and Planetary Interiors

18569	Steeve Greaux	185 (2011) 89-99	2009A1300	BL04B1	Greaux Steeve	Phase Transformations of Ca ₃ Al ₂ Si ₃ O ₁₂ Grossular Garnet to the Depths of the Earth's Mantle Transition Zone
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Powder Technology

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
18561	Takashi Ogi	205 (2011) 143-148	2008A1789	BL14B2	小西 康裕	Direct Room-Temperature Synthesis of a Highly Dispersed Pd Nanoparticle Catalyst and Its Electrical Properties in a Fuel Cell

Protein Science

18014	Hirofumi Komori	19 (2010) 2279-2290	2009A1992	BL38B1	小森 博文	Crystal Structure Analysis of <i>Bacillus subtilis</i> Ferredoxin-NADP ⁺ Oxidoreductase and the Structural Basis for Its Substrate Selectivity
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Science of the Total Environment

18311	Yohey Hashimoto	409 (2011) 1001-1007	2008A1265	BL01B1	橋本 洋平	EXAFS Speciation and Phytoavailability of Pb in a Contaminated Soil Amended with Compost and Gypsum
			2009A1255	BL01B1	橋本 洋平	

Solid State Communications

18373	Akihiko Machida	151 (2011) 341-345	2006A3701	BL22XU	町田 晃彦	Site Dependent Hardening of the Lanthanum Metal Lattice by Hydrogen Absorption
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Solid State Ionics

18477	Kenji Homma	182 (2011) 53-58	2008A1749	BL02B2	本間 健司	Crystal Structure and Phase Transitions of the Lithium Ionic Conductor Li ₃ PS ₄
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Solid State Sciences

18566	Nobuhisa Fujita	13 (2011) 698-705	2009A4504	BL15XU	山本 昭二	Laves Phases in RE(Mg,Cd) ₂ (RE=Rare Earth) Pseudo-Binary Alloys
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Transactions of The Japan Institute of Electronics Packaging

18320	Kazuhiro Nogita	3 (2010) 40-46	2009A1159	BL47XU	野北 和宏	Synchrotron Micro-XRF Measurements of Trace Element Distributions in BGA Type Solders and Solder Joints
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X-Ray Spectrometry

18386	Hisashi Hayashi	40 (2011) 24-30	2009A1186	BL39XU	林 久史	SIM-RIXS: A Program to Simulate Resonant Inelastic X-ray Scattering
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X線分析の進歩 (Advances in X-ray Chemical Analysis, Japan)

17259	Kazuhiro Ueda	38 (2007) 317-329	2005B5090	BL16XU	平井 康晴	Using Anomalous Dispersion Effect for Fourier Transform Analysis of 2-Wavelength Differential X-ray Reflectivity from Thin-Film Stacks
			2006A5090	BL16XU	上田 和浩	

化学工学論文集 (Kagaku Kogaku Ronbunshu)

18562	Koushirou Tamaoki	36 (2010) 288-292	2009B1015	BL14B2	小西 康裕	Microbial Reduction and Recovery of Palladium Using Metal Ion-Reducing Bacterium <i>Shewanella algae</i>
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材料 (Journal of the Society of materials Science, Japan)

18372	Katsuhiro Yamamoto	60 (2011) 14-18	2009B1103	BL40B2	山本 勝宏	Aggregation Structure and Surface Properties of Poly(Ethylene Melamide) Copolymer Thin Film Modified with Fluoroalkyl and Alkyl Side Chains
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日本応用磁気学会誌 (Journal of the Magnetism Society of Japan)

17257	Kazuhiro Ueda	29 (2005) 809-813	C99B0307	BL16XU	上田 和浩	Peak Separation of X-ray Diffraction Profiles from a Cu/Ni _{0.8} Fe _{0.2} Thin-Film Stack Using the Anomalous Dispersion Effect
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日本化粧品技術者会誌 (Journal of the Society of Cosmetic Chemists of Japan)

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
18269	Kouji Takehara	44 (2010) 292-297	2006A0109	BL47XU	井上 敬文	Imaging of Hair Damage Structure Using X-ray Micro-tomography
			2006B0111	BL47XU	竹原 孝二	
			2007A1219	BL47XU	竹原 孝二	
			2007B1825	BL47XU	竹原 孝二	

博士論文 (広島大学)

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
18500	Teruhiko Kashiwabara	(2011) 1-129	2010A1612	BL01B1	柏原 輝彦	Geochemistry of Molybdenum and Tungsten at Solid/Water Interface: Its Implication on Their Concentrations and Isotopic Compositions in Seawater
			2009B1720	BL37XU	柏原 輝彦	
			2009A1668	BL01B1	柏原 輝彦	
			2009B1383	BL01B1	高橋 嘉夫	
			2010A1452	BL01B1	高橋 嘉夫	
			2010A1407	BL37XU	高橋 嘉夫	
			2009A1242	BL37XU	高橋 嘉夫	
			2009A1170	BL01B1	高橋 嘉夫	

課題以外の成果として登録された論文

Angewandte Chemie International Edition

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
17650	Hirohisa Tanaka	45 (2006) 5998-6002	原研	BL14B1		Self-regenerating Rh- and Pt-based Perovskite Catalysts for Automotive-Emissions Control
18593	Sareeya Bureekaew	49 (2010) 7660-7664	理研	BL44B2		Control of Interpenetration for Tuning Structural Flexibility Influences Sorption Properties

Journal of Physics B: Atomic, Molecular and Optical 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
18355	Hironobu Fukuzawa	43 (2010) 111001		XFEL		Photoelectron Spectroscopy of Sequential Three-Photon Double Ionization of Ar Irradiated by EUV Free-Electron Laser Pulses
18387	Hiroshi Iwayama	43 (2010) 161001		XFEL		Inhomogeneous Charge Redistribution in Xe Clusters Exposed to an Intense Extreme Ultraviolet Free Electron Laser

Acta Materialia

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
17342	Mingjun Li	56 (2008) 2514-2525	原研	BL11XU		Microstructure Formation and in situ Phase Identification from Undercooled Co-61.8 at.% Si Melts Solidified on an Electromagnetic Levitator and an Electrostatic Levitator

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
18391	Yoshinori Nishino	3 (2010) 102701		XFEL		Femtosecond Snapshot Holography with Extended Reference Using Extreme Ultraviolet Free-Electron Laser

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
15831	Takashi Kimrua	48 (2009) 072503	光学系	BL29XU		Wavefront Control System for Phase Compensation in Hard X-ray Optics

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
18501	Yuji Muraoka	109 (2011) 043702	理研	BL17SU		Spectroscopic Evidence of the Formation of (V,Ti)O ₂ Solid Solution in VO ₂ Thinner Films Grown on TiO ₂ (001) Substrates

The Journal of Chemical 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
18379	Ayako Yamada	132 (2010) 204305		XFEL		Ion-Ion Coincidence Studies on Multiple Ionizations of N ₂ and O ₂ Molecules Irradiated by Extreme Ultraviolet Free-Electron Laser Pulses

Journal of Electron Spectroscopy and Related Phenomena

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
18353	Kiyonobu Nagaya	181 (2010) 125-128		XFEL		Investigation of the Interaction of Xenon Cluster with Intense EUV-FEL Pulses Using Pulsed Cluster Beam Source and Momentum Imaging Spectrometer

Metrologia

研究成果番号	主著者	雑誌情報	関連情報	ビームライン	タイトル
18392	Masahiro Kato	47 (2010) 518-521		XFEL	Measurement of the Single-Shot Pulse Energy of a Free Electron Laser Using a Cryogenic Radiometer

Optics Express

18398	Tadashi Togashi	19 (2011) 317-324		XFEL	Extreme Ultraviolet Free Electron Laser Seeded with High-Order Harmonic of Ti:sapphire Laser
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Optical Materials

18388	Kohei Yamanoi	32 (2010) 1305-1308		XFEL	Response-Time Improved Hydrothermal-Method-Grown ZnO Scintillator for XFEL Timing-Observation
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Physical Chemistry Chemical Physics

18299	Kiyoshi Nishizawa	13 (2011) 413-417	理研	BL17SU	High-resolution Soft X-ray Photoelectron Spectroscopy of Liquid Water
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Physical Review Letters

18390	Yasumasa Hikosaka	105 (2010) 133001		XFEL	Multiphoton Double Ionization of Ar in Intense Extreme Ultraviolet Laser Fields Studied by Shot-by-Shot Photoelectron Spectroscopy
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Review of Scientific Instruments

18429	Kensuke Tono	82 (2011) 023108		XFEL	Single-shot Beam-position Monitor for X-ray Free Electron Laser
			理研	BL29XU	

精密工学会誌 (Journal of the Japan Society for Precision Engineering)

15339	Satoshi Matsuyama	72 (2006) 884-888	装置 & 技術	BL29XU	Development of a Mirror Manipulator for Hard X-ray Microscopy with High Resolution - Realization of Nanofocused Hard X-ray Beam Better than 50nm under Diffraction Limited Condition-
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