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財団法人高輝度光科学研究センター
利用業務部

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このデータベースに登録された原著論文の内、平成20年7月～9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(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。

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今後も利用者情報には発行月の2ヶ月前の月末締めで、前回掲載分の後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。

課題の成果として登録された論文
Physical Review B

主著者	研究成果番号	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
Kazuhide Takata	12680	76 (2007) 024429	2005B0609	BL02B2	東 正樹	Magnetoresistance and Electronic Structure of the Half-Metallic Ferrimagnet $\text{BiCu}_3\text{Mn}_4\text{O}_{12}$
Emiko Sugimura	12724	77 (2008) 214103	2006B0099	BL10XU	廣瀬 敬	The Compression of H_2O Ice to 126 GPa and Implications for Hydrogen-bond Symmetrization: Synchrotron X-ray Diffraction Measurements and Density-Functional Calculations
			2007B0099	BL10XU	廣瀬 敬	
			2006A0099	BL10XU	廣瀬 敬	
Hiroshi Shiraki	12725	76 (2007) 140403(R)	2006B1130	BL02B2	東 正樹	Ferromagnetic Cuprates $\text{CaCu}_3\text{Ge}_4\text{O}_{12}$ and $\text{CaCu}_3\text{Sn}_4\text{O}_{12}$ with A-site Ordered Perovskite Structure
Tarou Nakajima	12760	78 (2008) 024106	2007B3773	BL22XU	満田 節生	Identification of Microscopic Spin-polarization Coupling in the Ferroelectric Phase of a Magnetoelectric Multiferroic $\text{CuFe}_{1-x}\text{Al}_x\text{O}_2$
			2006B1348	BL46XU	満田 節生	
Yongsam Kim	12761	78 (2008) 033303	2006B1362	BL13XU	Hwang Chan-Cuk	Structure of the Metallic Si(001) Surface at High Temperatures: Synchrotron X-ray Scattering Measurements
Hiroshi Fukui	12779	78 (2008) 012203	2006B4260	BL12XU	福井 宏之	Coordination Environment of Silicon in Silica Glass up to 74 GPa: An X-ray Raman Scattering Study at the Silicon L Edge
			2007B4259	BL12XU	福井 宏之	
			2005B4255	BL12XU	福井 宏之	
Atsushi Yamasaki	12799	77 (2008) 165125	2001A0158	BL25SU	難波 孝夫	Stability of Electronic States across the Metal-insulator Transition in $\text{PrRu}_4\text{P}_{12}$
			2002A0433	BL25SU	今田 真	
			2004B0250	BL25SU	今田 真	
László Temleitner	12804	78 (2008) 014205	2006A1223	BL04B2	赤浜 裕一	Oriental Correlations in High-Pressure Fluid Oxygen and Nitrogen
Takashi Tokushima	12841	78 (2008) 085405	2002B0609	BL27SU	高田 恭孝	-bonding Contribution of a Strong -acceptor Molecule: Surface Chemical Bond of SO_2 on Ni(100)
Hitoshi Yamaoka	12844	78 (2008) 045127	2005B4700	BL15XU	Vlaicu Aurel	Bulk Sensitive Spectroscopy for the Valence Transition in YbInCu_4 -based Compounds

主著者	研究成果番号	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
Fumiya Nakada	12849	77 (2008) 224436	2007B1069	BL02B2	守友 浩	Electronic Phase Diagram of Valence-Controlled Cyanide: $\text{Na}_{0.84}\text{-Co}[\text{Fe}(\text{CN})_6]_{0.71} \cdot 3.8\text{H}_2\text{O}$ ($0 \leq x \leq 0.61$)
			2007A1028	BL02B2	守友 浩	
Hayato Kamioka	12850	77 (2008) 180301(R)	2007A1028	BL02B2	守友 浩	Dynamics of Charge-Transfer Pairs in the Cyano-Bridged $\text{Co}^{2+}\text{-Fe}^{3+}$ Transition-Metal Compound
			2007B1069	BL02B2	守友 浩	
Jungeun Kim	12853	77 (2008) 012101	2007A1107	BL10XU	守友 浩	Pressure-Temperature Phase Diagram for Charge-Order Transition in $\text{Cs}[\text{Co}(\text{3-CNpy})_2][\text{W}(\text{CN})_8]\text{H}_2\text{O}$
Shin-ichi Kimura	12876	78 (2008) 052409	2007A1253	BL43IR	木村 真一	Electronic Inhomogeneity EuO: Possibility of Magnetic Polaron States
			2007B1074	BL43IR	木村 真一	
Jesus Chaboy	12889	76 (2007) 134408	2002A0153	BL39XU	Chaboy Jesus	^{57}Fe Mössbauer and XMCD Study of the Magnetic Compensation of the Rare-Earth Sublattice in $\text{Nd}_{2-x}\text{Ho}_x\text{Fe}_{14}\text{B}$ Compounds
Maria Laguna	12890	77 (2008) 125132	2005B0419	BL39XU	Laguna Maria	Experimental Determination of the $R(5d)\text{-}T(3d)$ Hybridization in Rare-Earth Intermetallics
Hitoshi Yusa	12974	78 (2008) 092107	2006B1121	BL10XU	遊佐 斉	- Gd_2S_3 -type Structure in In_2O_3 : Experiments and Theoretical Confirmation of a High-Pressure Polymorph in Sesquioxide
			2007B1147	BL10XU	遊佐 斉	

Acta Crystallographica Section F

Mototsugu Yamada	12284	64 (2008) 284-288	2005B5542	BL32B2	山田 雅胤	Crystallization and Preliminary Crystallographic Analysis of the Transpeptidase Domain of Penicillin-Binding Protein 2B from <i>Streptococcus pneumoniae</i>
Yoshiaki Suwa	12782	64 (2008) 171-174	2007A2103	BL41XU	山縣 ゆり子	Preparation, Crystallization and Preliminary X-ray Diffraction Analysis of the DNA Binding Domain of the Ets Transcription Factor in Complex with Target DNA
			2007B1523	BL41XU	山縣 ゆり子	
			2007A6935	BL44XU	山縣 ゆり子	
Michiko Kitano	12791	63 (2007) 602-604	2006A3005	BL24XU	杉尾 成俊	Expression, Purification and Crystallization of a Human Tau-tubulin Kinase 2 That Phosphorylates Tau Protein
Hiroyuki Morita	12792	63 (2007) 947-949	2006B3005	BL24XU	杉尾 成俊	Crystal and Preliminary Crystallographic Analysis of an Octaketide-Producing Plant Type III Polyketide Synthase
Hiroyuki Morita	12793	63 (2007) 576-578	2007A3005	BL24XU	杉尾 成俊	Crystallization and Preliminary Crystallographic Analysis of an Aacridone-Producing Novel Multifunctional Type III Polyketide Synthase from <i>Huperzia serrata</i>
Hiroyuki Morita	12794	64 (2008) 304-306	2007B3005	BL24XU	杉尾 成俊	Crystallization and Preliminary Crystallographic Analysis of a Plant Type III Polyketide Synthase That Produces Benzalacetone

Applied Physics Letters

Takeo Ohsawa	12776	92 (2008) 232108	2006B4604	BL15XU	大橋 直樹	Hard X-ray Photoemission Spectroscopy in Wurtzite-Type Zinc Magnesium Oxide Solid-Solution Films Grown by Pulsed-Laser Deposition
			2007A4609	BL15XU	大橋 直樹	
			2007B4607	BL15XU	大橋 直樹	
Seiji Nakashima	12826	93 (2008) 042907	2007B1677	BL13XU	中嶋 誠二	X-ray Diffraction Study of Polycrystalline BiFeO_3 Thin Films under Electric Field
			2007B1596	BL13XU	坂田 修身	
			2006B1457	BL13XU	坂田 修身	
Yutaka Moritomo	12852	92 (2008) 141907	2007B1069	BL02B2	守友 浩	Desorption-Induced First-Order Phase Transition in a Cyano-Bridged Compound

Journal of Crystal Growth

Toshiyuki Kaizu	12762	310 (2008) 3436-3439	2005B0167	BL11XU	山口 浩一	In situ Determination of Sb Distribution in Sb/GaAs (001) Layer for High-density InAs Quantum Dot Growth
			2006B1638	BL11XU	山口 浩一	
Hiroyuki Saitoh	12955	310 (2008) 2295-2297	2006B3641	BL14B1	齋藤 寛之	Solid-phase Grain Growth of In_2O_3 at High Pressures and Temperatures
Hiroyuki Saitoh	12957	300 (2007) 26-31	2005B3603	BL14B1	齋藤 寛之	The Phase and Crystal-Growth Study of Group-III Nitrides in a 2000 at 20 GPa Region

Journal of the American Chemical Society

主著者	研究成果番号	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
Yusuke Wakabayashi	12838	128 (2006) 6676-6682	J03A0506	BL02B1	池田 直	Direct Determination of Low-Dimensional Structures: Synchrotron X-ray Scattering on One-Dimensional Charge-Ordered MMX-Chain Complexes
Wei-Shi Li	13012	130 (2008) 8886-8887	2008A1650	BL40B2	山本 洋平	Amphiphilic Molecular Design as a Rational Strategy for Tailoring Bicontinuous Electron Donor and Acceptor Arrays: Photoconductive Liquid Crystalline Oligothiophene-C ₆₀ Dyads
Wusong Jin	13013	130 (2008) 9434-9440	2008A1644	BL02B2	山本 洋平	Systematic Studies on Structural Parameters for Nanotubular Assembly of Hexa- <i>peri</i> -hexabenzocoronenes

Journal of the Physical Society of Japan

Hiroshi Shiraki	12726	77 (2008) 064705	2007B1004	BL02B2	島川 祐一	Metallic Behavior in A-site-Ordered Perovskites ACu ₃ V ₄ O ₁₂ with A = Na ⁺ , Ca ²⁺ , and Y ³⁺
Masashi Watanabe	12814	77 (2008) 065004	2007B0010	BL02B1	寺崎 一郎	Non-thermal Evidence for Current-Induced Melting of Charge Order in -(BEDT-TTF) ₂ CsZn(SCN) ₄
Kenichi Kato	12851	76 (2007) 123602	2007A1028 2007B1069	BL02B2 BL02B2	守友 浩 守友 浩	Extended Charge-Transfer State of RbMn[Fe(CN) ₆]

Angewandte Chemie International Edition

Shinya Hayami	7660	44 (2005) 4899-4933	2004B0219	BL02B2	速水 真也	Reverse Spin Transition Phenomenon Triggered by Structural Phase Transition
Ikuya Yamada	12948	47 (2008) 7032-7035	2006B1130	BL02B2	東 正樹	A Perovskite Containing Quadrivalent Iron as a Charge-Disproportionated Ferrimagnet

Chemistry of Materials

Yuji Goto	12777	20 (2008) 4156-4160	2007A4609	BL15XU	大橋 直樹	Formation of Ni ₃ C Nanocrystals by Thermolysis of Nickel Acetylacetonate in Oleylamine: Characterization Using Hard X-ray Photoelectron Spectroscopy
Alexei Belik	12862	20 (2008) 5246-5252	2007A2087	BL02B2	Belik Alexei	Structural and Physical Properties of Heavily Doped Yttrium Vanadate: Y _{0.6} Cd _{0.4} VO ₃

Japanese Journal of Applied Physics

Yasushi Ogasaka	12884	47 (2008) 5743-5754	2003A0036	BL20B2	小賀坂 康志	Characterization of a Hard X-ray Telescope at Synchrotron Facility SPring-8
			2004A0009	BL20B2	小賀坂 康志	
			2004B2009	BL20B2	小賀坂 康志	
			2005A3009	BL20B2	小賀坂 康志	
			2005B0007	BL20B2	小賀坂 康志	
			2006A0007	BL20B2	小賀坂 康志	
			2006B0007	BL20B2	小賀坂 康志	
			2007A1690	BL20B2	小賀坂 康志	
Minoru Osada	12970	47 (2008) 7556-7560	2008A4602	BL15XU	長田 実	Langmuir-Blodgett Fabrication of Nanosheet-Based Dielectric Films without an Interfacial Dead Layer
			2007B4605	BL15XU	長田 実	
			2007A4608	BL15XU	長田 実	

Journal of Applied Physics

Masanori Kawai	12772	102 (2007) 114311	2005B0602	BL13XU	菅 大介	Critical Thickness Control by Deposition Rate for Epitaxial BaTiO ₃ Thin Films Grown on SrTiO ₃ (001)
			2006A1745	BL13XU	菅 大介	
			2006B1544	BL13XU	菅 大介	
			2007A1969	BL13XU	島川 祐一	
Maria Laguna	12891	103 (2008) 07E141	2003B0064	BL39XU	Chaboy Jesus	An XMCD Study of the R(4f)-R(5d)-T(3d) Interaction in R-T Intermetallics

Journal of Physics: Condensed Matter

主著者	研究成果番号	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
Jesus Chaboy	12888	19 (2007) 436225	2006A1107	BL39XU	Chaboy Jesus	Relationship between XMCD and Molecular Field in Rare-Earth (R) Transition-Metal (T) Intermetallic Compounds
			2005B0419	BL39XU	Laguna Maria	
			2004A0020	BL39XU	Chaboy Jesus	
			2003B0064	BL39XU	Chaboy Jesus	
Shin-ichiro Hatta	12900	20 (2008) 395226	2007A1660	BL13XU	八田 振一郎	Structure Determination of Ti/Ge(111)-(3 × 1) by Surface X-ray Diffraction

Journal of Physics: Conference Series

Yukio Kajihara	12830	98 (2008) 012002	2007A1670	BL04B2	梶原 行夫	Small-Angle X-ray Scattering of Supercritical Fluid Hg: Bi-impurity Effect
Yukio Kajihara	12831	98 (2008) 022001	2005B0093	BL35XU	乾 雅祝	Dynamical Structure in Liquid Te Using Inelastic X-ray Scattering: from Semiconductor-Metal Transition to Metallic Regime

Key Engineering Materials

Satoshi Wada	9358	301 (2005) 27-30	2003B0029	BL02B2	八島 正知	Size Effect of Dielectric Properties for Barium Titanate Particles and Its Model
Takuya Hoshina	9359	301 (2005) 239-242	2003B0029	BL02B2	八島 正知	Analysis of Composite Structures on Barium Titanate Fine Particles using Synchrotron Radiation

Materials Science Forum

Jun-ichi Shibano	12651	571-572 (2008) 267-270	2006A1525	BL28B2	柴野 純一	Measurement of Internal Strain in Materials using High Energy White X-ray at SPring-8
			原研	BL14B1		
Lihe Qian	13007	561-565 (2007) 263-266	2006B1239	BL20XU	大垣 智巳	3D Image-based Modeling of Ductile Fracture in an Aluminum Alloy Using Synchrotron X-ray CT Images
			2005A0417	BL47XU	戸田 裕之	

Polymer

Eiji Kanemaru	12881	49 (2008) 4174-4179	2007A1556	BL40B2	中村 洋	Dimensions and Viscosity Behavior of Polyelectrolyte Brushes in Aqueous Sodium Chloride. A Polymacromonomer Consisting of Sodium Poly(Styrene Sulfonate)
Toshihisa Tanaka	12984	48 (2007) 6145-6151	2005A0307	BL47XU	岩田 忠久	Analysis of Inner Structure in High-strength Biodegradable Fibers by X-ray Microtomography using Synchrotron Radiation
			2005B0039	BL47XU	岩田 忠久	

Review of Scientific Instruments

Keiki Fukumoto	12835	79 (2008) 063903	2006B1236	BL25SU	福本 恵紀	Construction and Development of a Time-Resolved X-ray Magnetic Circular Dichroism - Photoelectron Emission Microscopy System using Femtosecond Laser Pulses at BL25SU SPring-8
			2007A2118	BL25SU	木下 豊彦	
			2007B1320	BL25SU	木下 豊彦	
			2007B1739	BL25SU	大谷 義近	
Masahiko Tanaka	12972	79 (2008) 075106	2006A4504	BL15XU	田中 雅彦	A New Large Radius Imaging Plate Camera for High- resolution and High-throughput Synchrotron X-ray Powder Diffraction by Multi-exposure Method

The Journal of Chemical Physics

Denis Céolin	12171	128 (2008) 024306	2005B0131	BL27SU	Ceolin Denis	Study of the Dissociation of Nitrous Oxide Following Resonant Excitation of the Nitrogen and Oxygen K-shells
Shinji Kohara	12732	129 (2008) 014512	2001B0505	BL04B2	萩原 理加	Very Strong Hydrogen Bonds in a Bent Chain Structure of Fluorohydrogenate Anions in Liquid Cs(FH) _{2,3} F

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

Jun-ichi Shibano	12861	57 (2008) 667-673	2007A1641	BL28B2	柴野 純一	Study on Imaging and Strain Mapping in the Vicinity of Internal Crack Tip Using Synchrotron White X-Ray
Kenji Suzuki	12805	57 (2008) 674-680	2005B0042	BL02B1	鈴木 賢治	Microstructure and Residual Stress of EB-PVD TBCs Grown under Substrate Rotation
			2006A1752	BL02B1	鈴木 賢治	

Acta Crystallographica Section D

主著者	研究成果番号	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
Seiji Okazaki	12253	64 (2008) 331-334	2005B1793	BL38B1	山根 隆	Structures of D-amino-acid Amidase Complexed with L-phenylalanine and with L-phenylalanine Amide: Insight into the D-stereospecificity of D-amino-acid Amidase from <i>Ochrobactrum anthropi</i> SV3
			2005B0372	BL41XU	山根 隆	

Acta Materialia

Arnaud Weck	12990	56 (2008) 2919-2928	2005A0066	BL20XU	Wilkinson David	Visualization by X-ray Tomography of Void Growth and Coalescence Leading to Fracture in Model Materials
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Adsorption Science and Technology

Yoshimi Seida	10444	23 (2005) 607-618	2002B0738 2003A0145	BL10XU BL10XU	泉 康雄 泉 康雄	Synthesis of Clay-Cerium Hydroxide Conjugates for the Adsorption Arsenic
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Analytical Sciences

Yoko Shimamoto	12730	24 (2008) 405-409	2006B1704 2006B1099 2007B1175	BL01B1 BL01B1 BL01B1	光延 聖 高橋 嘉夫 高橋 嘉夫	Superiority of K-edge XANES over L _{III} -edge XANES in the Speciation of Iodine in Natural Soils
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Applied Physics Express

Shigenori Ueda	12764	1 (2008) 077003	2006B1729	BL39XU	池永 英司	Hard X-ray Photoemission Spectroscopy Combined with Magnetic Circular Dichroism: Application to Fe _{3-x} Zn _x O ₄ Spinel Oxide Thin Films
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Applied Surface Science

Hiroki Hibino	12958	254 (2008) 7596-7599	2007A1919 2006B0180	BL17SU BL17SU	日比野 浩樹 日比野 浩樹	Two-Dimensional Emission Patterns of Secondary Electrons from Graphene Layers Formed on SiC(0001)
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Chemical Communications

Atsuhiko Takeda	12836	8 (2006) 912-914	2005A0683	BL02B2	澤 博	Superconductivity of Doped Ar@C ₆₀
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Chemical Physics Letters

Yusuke Tamemori	12864	462 (2008) 40-44	2006A1282 2006B1107 2007A1103 2007B1093	BL27SU BL27SU BL27SU BL27SU	為則 雄祐 為則 雄祐 為則 雄祐 為則 雄祐	Specific Fragmentation of [(CH ₃) ₂ CO]Ar _n Heteroclusters Induced by the Ar L ₂₃ - and O K-edge Region
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Chemistry - A European Journal

Takeshi Naota	12742	14 (2008) 2482-2498	2007A1002 2007B1073	BL19B2 BL40B2	高谷 光 高谷 光	Switchable C- and N-Bound Isomers of Transition-Metal Cyanocarbanions: Synthesis and Interconversions of Cyclopentadienyl Ruthenium Complexes of Phenylsulfonylacetonitrile Anions
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Cryobiology

Hiroshi Takahashi	12855	57 (2008) 75-77	2003A0355	BL40B2	高橋 浩	Direct Observation of Fat Crystallization in a Living Fly by X-ray Diffraction: Fat Crystallization Does not Cause the Fly's Instantaneous Death, but Ice Formation Does
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e-Polymers

Kenji Yamamoto	12731	(2008) 1-5	2007A1243	BL40B2	秋葉 勇	Anomalous Phase Behavior in Blends of -SO ₃ H Terminated Polystyrene with Poly(<i>n</i> -butyl Acrylate) Containing a Small Amount of Tertiary Amino Groups
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Ferroelectrics

Yoshihiro Kuroiwa	11469	354 (2007) 158-166	2006B0096	BL02B2	西堀 英治	Electron Charge Density Study on Antiferroelectric Phase Transition in PbZrO ₃
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Geochimica et Cosmochimica Acta

主著者	研究成果番号	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
Yoshio Takahashi	12729	72 (2008) 1281-1294	2006B1099	BL01B1	高橋 嘉夫	Origin of the Difference in the Distribution Behavior of Tellurium and Selenium in a Soil-Water System
			2006B1704	BL01B1	光延 聖	
			2007A1804	BL01B1	板井 啓明	
			2007B1175	BL01B1	高橋 嘉夫	

High Pressure Research

Akihiro Yamada	13010	28 (2008) 255-264	2006A1583	BL04B1	山田 明寛	Exploratory Study of the New B-doped Diamond Heater at High Pressure and Temperature and Its Application to <i>in situ</i> XRD Experiments on Hydrous Mg-silicate Melt
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International Journal of Plant Sciences

Masamichi Takahashi	12909	169 (2008) 908-917	2008A1027	BL20B2	高橋 正道	Floral Evidence of Annonaceae from the Late Cretaceous of Japan
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JETP Letters

Vadim Brazhkin	9447	82 (2005) 808-813	2004B0323	BL14B1	Brazhkin Vadim	Structural Studies of Phase vtransitions in Crystalline and Liquid Halides (ZnCl ₂ , AlCl ₃) under Pressure
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Journal of Analytical Atomic Spectrometry

Naoki Fukuda	12803	23 (2008) 1068-1075	2005A0542	BL37XU	中井 泉	Micro X-ray Fluorescence Imaging and Micro X-ray Absorption Spectroscopy of Cadmium Hyper-Accumulating Plant, <i>Arabidopsis halleri</i> ssp. <i>gemmifera</i> , Using High-Energy Synchrotron Radiation
			2005B0743	BL37XU	中井 泉	
			2006A1686	BL37XU	中井 泉	

Journal of Catalysis

Kazuhiko Maeda	12281	254 (2008) 198-204	2007A1803	BL01B1	前田 和彦	Effect of Post-Calcination on Photocatalytic Activity of (Ga _{1-x} Zn _x)(N _{1-x} O _x) Solid Solution for Overall Water Splitting under Visible Light
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The Journal of Biological Chemistry

Yoshinobu Ichimura	12846	283 (2008) 22847-22857	2007B6925	BL44XU	水島 恒裕	Structural Basis for Sorting Mechanism of p62 in Selective Autophagy
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Journal of Molecular Biology

Kei Wada	12578	380 (2008) 361-372	2006A2727	BL41XU	福山 恵一	Crystal Structures of <i>Echerichia coli</i> -Glutamyltranspeptidase in Complex with Azaserine and Acivicin: Novel Mechanistic Implication for Inhibition by Glutamine Antagonists
			2007B1156	BL41XU	福山 恵一	

Journal of Molecular Liquids

Kenta Fujii	12959	143 (2008) 64-69	2007A1123	BL04B2	藤井 健太	Liquid Structure and Conformation of a Low-Viscosity Ionic Liquid, <i>N</i> -methyl- <i>N</i> -propyl-pyrrolidinium Bis(fluorosulfonyl) Imide Studied by High-Energy X-ray Scattering
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Journal of Muscle Research and Cell Motility

Hiroyuki Iwamoto	12801	29 (2008) 45-55	2005B0267	BL45XU	岩本 裕之	On the Ability of 8-bromoadenosine Triphosphate to Support Contractility of Vertebrate Skeletal Muscle Fibers
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The Journal of Physical Chemistry B

Shigeo Sasaki	12773	112 (2008) 8586-8590	2006A1145	BL45XU	佐々木 茂男	Thermally Changing Lattice Distance of Lamella in the Hydrated Solid of Octadecyltrimethylammonium Chloride
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Journal of Polymer Science Part B: Polymer Physics

Yutaka Ohkoshi	12963	46 (2008) 2126-2142	2005B0464	BL40B2	浦川 宏	Initial Stage of Fiber Structure Development in the Continuous Drawing of Poly(ethylene terephthalate)
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Journal of Power Sources

主著者	研究成果番号	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
Jun Maruyama	12727	182 (2008)	2007A1470	BL19B2	丸山 純	Application of Nitrogen-rich Amino Acids to Active Site Generation in Oxygen Reduction Catalyst
		489-495	2003A0863	BL19B2	伊崎 昌伸	

Journal of Synchrotron Radiation

Jesus Chaboy	12887	15 (2008) 440-448	2005B0419	BL39XU	Laguna Maria	Disentanglement of Magnetic Contributions in Multi-Component Systems by Using X-ray Magnetic Circular Dichroism at a Single Absorption Edge
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Journal of the American Ceramic Society

Tomonari Takeuchi	12904	91 (2008) 2495-2500	2005A0218	BL20XU	上條 長生	Preparation of Fluorine-Containing Indium Tin Oxide Sputtering Targets Using Spark Plasma Sintering Process
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Journal of Vacuum Science & Technology B

Brad Tinkham	12858	26 (2008)	2006A1600	BL11XU	Tinkham Brad	As-rich InAs(001)-(2x4) Phases Investigated by <i>in situ</i> Surface X-ray Diffraction
		1516-1520	2007A3503	BL11XU	高橋 正光	

Macromolecules

Tadahisa Iwata	12993	39 (2006) 5789-5795	2003B0054	BL47XU	岩田 忠久	Microbeam X-ray Diffraction and Enzymatic Degradation of Poly[(R)-3-hydroxybutyrate] Fibers with Two Kinds of Molecular Conformations
			2004B0016	BL47XU	岩田 忠久	
			2005A0307	BL47XU	岩田 忠久	

Nature

Yoshihiro Tsujimoto	12251	450 (2007) 1062-1065	2006A1798	BL02B2	加藤 健一	Infinite-layer Iron Oxide with a Square-Planar Coordination
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New Journal of Chemistry

Kenichi Yakigaya	12837	31 (2007) 973-979	2005A0683	BL02B2	澤 博	Superconductivity of Doped Ar@C ₆₀
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Organic Electronics

Christine Videlot-Acckerman	12944	9 (2008) 591-601	2007B1827	BL46XU	吉本 則之	Effect of End-Substitutions of Distyryl-oligothiophenes by Hexyl Chains on Environmental Stability in Organic Thin Film Transistors
			2007A1419	BL13XU	吉本 則之	

Physics in Medicine and Biology

Toshihiro Sera	12796	53 (2008) 4285-4301	2007A1273	BL20B2	世良 俊博	Development of High Resolution 4D <i>in vivo</i> -CT for Visualization of Cardiac and Respiratory Reformatoms of Small Animals
			2007B1229	BL20B2	世良 俊博	

Physical Review Letters

Jeff Graf	12703	100 (2008) 227002	2006B1356	BL35XU	Baron Alfred	Bond Stretching Phonon Softening and Kinks in the Angle-Resolved Photoemission Spectra of Optimally Doped Bi ₂ Sr _{1.6} La _{0.4} Cu ₂ O ₆₊ Superconductors
			2007A1222	BL35XU	池内 和彦	

Polymer Degradation and Stability

Toshihisa Tanaka	12985	92 (2007) 1016-1024	理研	BL45XU		Mechanical Properties and Enzymatic Degradation of Poly [(R)-3-hydroxybutyrate] Fibers Stretched after Isothermal Crystallization Near T _g
			2005A0307	BL47XU	岩田 忠久	
			2005B0039	BL47XU	岩田 忠久	

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

Chikashi Toyoshima	12133	104 (2007) 5800-5805	2006B0013	BL41XU	豊島 近	Interdomain Communication in Calcium Pump as Revealed in the Crystal Structures with Transmembrane Inhibitors
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Science

主著者	研究成果番号	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
Wendy Mao	12350	314 (2006) 636-638	C05A1511	BL12XU	Cai Yong	X-ray-Induced Dissociation of H ₂ O and Formation of an O ₂ -H ₂ Alloy at High Pressure

Science of the Total Environment

Kunihiro Funasaka	12806	403 (2008) 230-234	2007A1770	BL01B1	船坂 邦弘	Detection of Pb-L III Edge XANES Spectra of urban Atmospheric Particles Combined with Simple Acid Extraction
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Superconductor Science and Technology

Fumitake Nakao	7262	18 (2005) 513-520	2004A2421	BL02B1	長村 光造	<i>In-situ</i> Observation of 2212 Intergrowths at the Early Stage of the (Bi, Pb)2223 Phase Formation using Synchrotron XRD Technique
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Transactions of the Materials Research Society of Japan

Yoshihiro Terado	12738	33 (2008) 47-52	2005B7002	BL02B2	黒岩 芳弘	Relationship between MPB and Emergence of Structural Boundary in Cubic Phase of Pb-Based Perovskite-Type Solid Solutions PZT and PZN-PT
			2007B0096	BL02B2	西堀 英治	

Vacuum

Shigeharu Tamura	12908	80 (2006) 823-827	2004B0180	BL20XU	上條 長生	New Approaches to Fabrication of Multilayer Fresnel Zone Plate for High-Energy Synchrotron Radiation X-rays
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真空 (Journal of the Vacuum Society of Japan)

Shigeharu Tamura	12902	50 (2007) 164-166	2005B0269	BL20XU	上條 長生	Development of Multilevel-type Multilayer Lens for X-rays
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電子情報通信学会技術研究報告 (信学技報, IEICE Technical Report)

Yoshihisa Yamamoto	13008	108 (2008) 65-70	2007B3806	BL23SU	末光 眞紀	XPS Real-time Monitoring on the Development of Si Suboxides during Formation of Thermal Oxides on Si(110) Surface
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日本機械学会論文集 A編 (Transactions of the Japan Society of Mechanical Engineers, Series A)

Kazuya Kusaka	12733	74 (2008) 363-369	2006A1537	BL13XU	英 崇夫	<i>In-situ</i> Thermal Stress Measurement in Multi-layered Aluminum Nitride and Copper Films by Synchrotron Radiation
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課題以外の成果として登録された論文

Physical Review B

主著者	研究成果番号	雑誌情報	課題番号	ビームライン	タイトル
Maaten Vos	12781	78 (2008) 024301	理研	BL17SU	Comparison of Recoil Effects in Graphite as Observed by Photoemission, Electron Scattering, and Neutron Scattering
			理研	BL29XU	
Hitoshi Yamaoka	12843	78 (2008) 045125	理研	BL17SU	Electronic Structure of FeSi _{1-x} Ge _x and FeGa ₃ Investigated by Soft X-ray Photoelectron Spectroscopy Complementary to X-ray Emission Spectroscopy
Ritsuko Eguchi	12863	78 (2008) 075115	理研	BL17SU	Photoemission Evidence for a Mott-Hubbard Metal-Insular Transition in VO ₂
			理研	BL29XU	
Jianzhong Zhang	12954	78 (2008) 054119	原研	BL14B1	Thermal Equations of State for Titanium Obtained by High Pressure Temperature Diffraction Studies

The Journal of Biological Chemistry

主著者	研究成果番号	雑誌情報	課題番号	ビームライン	タイトル
Bagautdin Bagautdinov	12774	283 (2008) 14739-14750	理研	BL26B1	Protein Biotinylation Visualized by a Complex Structure of Biotin Protein Ligase with a Substrate
Tatsuro Shimamura	12839	283 (2008) 17753-17756	理研	BL45XU	Crystal Structure of Squid Rhodopsin with Intracellularly Extended Cytoplasmic Region
Misaki Yamamoto	12859	283 (2008) 19422-19431	理研	BL45XU	Interaction and Stoichiometry of the Peripheral Stalk Subunits NtpE and NtpF and the N-terminal Hydrophilic Domain of NtpI of <i>Enterococcus hirae</i> V-ATPase

Acta Crystallographica Section D

Michihiro Sugahara	12570	64 (2008) 686-695	理研	BL26B1	Nucleant-mediated Protein Crystallization with the Application of Microporous Synthetic Zeolites
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Acta Crystallographica Section F

Bagautdin Bagautdinov	12553	64 (2008) 351-357	理研	BL26B1	Structure of Putative CutA1 from <i>Homo sapiens</i> Determined at 2.05Å Resolution
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Chemical Physics Letters

Takashi Tokushima	12775	460 (2008) 387-400	理研	BL17SU	High Resolution X-ray Emission Spectroscopy of Liquid Water: The Observation of Two Structural Motifs
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The Journal of Biochemistry

Tadashi Nakai	12770	143 (2008) 747-758	理研	BL44B2	Structural Bases for the Specific Interactions between the E2 and E3 Components of the <i>Thermus thermophilus</i> 2-oxo Acid Dehydrogenase Complexes
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Journal of Molecular Biology

Hiroichi Kosaka	12086	373 (2007) 839-850	理研	BL45XU	Crystal Structure of Family 5 Uracil-DNA Glycosylase Bound to DNA
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Journal of Physics and Chemistry of Solids

Jianzhong Zhang	12953	69 (2008) 2559-2563	原研	BL14B1	Experimental Constraints on the Phase Diagram of Titanium Metal
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Macromolecules

Masahiro Fujita	12905	41 (2008) 2852-2858	理研	BL45XU	Stereocomplex Formation through Reorganization of Poly(L-lactic acid) and Poly(D-lactic acid) Crystals
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Molecular Microbiology

Yoshihiro Agari	12973	70 (2008) 60-75	理研	BL26B2	Global Gene Expression Mediated by <i>Thermus thermophilus</i> SdrP, a CRP/FNR Family Transcriptional Regulator
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Physical Review Letters

Yasutaka Takata	12994	101 (2008) 137601	理研 理研	BL17SU BL29XU	Recoil Effect of Photoelectrons in the Fermi Edge of Simple Metals
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Proteins: Structure, Function, and Bioinformatics

Rihito Morita	12860	73 (2008) 259-264	理研	BL44B2	Crystal Structure of a Putative DNA Methylase TTHA0409 from <i>Thermus thermophilus</i> HB8
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