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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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http://www.spring8.or.jp/ja/users/intellectual_property/article/publicfolder_view

このデータベースに登録された原著論文の内、平成18年10月～11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、詳細を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/support/download/publication/user_exp_report/publicfolder_view

今後も利用者情報には発行月の2ヶ月前の月末締めで、2ヶ月分ずつ登録された論文情報を掲載していく予定ですが、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

Radiation Physics and Chemistry

筆頭著者名	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
Hisashi Hayashi	10050	75 (2006) 1586-1590	2004B0043	BL39XU	林 久史	Polarized Lifetime-Broadening-Suppressed XANES Study of $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$
Isao H. Suzuki	10201	75 (2006) 1778-1783	2004A0354	BL27SU	鈴木 功	Formation of Multi-Charged Kr Ions through Photoionization of 2p Electrons Studies with a Coincidence Technique
Hirofumi Oohashi	10212	75 (2006) 1493-1496	C03A2004	BL15XU	Vlaicu Aurel	On Satellites Hidden by Diagram Line in Heavy Elements Ir, Pt, Au
Hirofumi Oohashi	10213	75 (2006) 1510-1513	C03A2004	BL15XU	Vlaicu Aurel	Behavior of $L\beta_2$ Visible Satellites in Gold around L_1 Threshold
Daisuke Horiguchi	10214	75 (2006) 1830-1834	2004B0654	BL15XU	伊藤 嘉昭	Anti-parallel Crystal Spectrometer at BL15XU in SPring-8, First Results
			2004A0474	BL15XU	伊藤 嘉昭	
			2005A0457	BL15XU	伊藤 嘉昭	
			C03A2004	BL15XU	Vlaicu Aurel	
Yoshiaki Ito	10215	75 (2006) 1534-1537	C03A2004	BL15XU	Vlaicu Aurel	Contribution of the [1s3d] Shake Process to $K\alpha_{1,2}$ Spectra in 3d Elements

Applied Physics Letters

Toshiyuki Taniuchi	9938	89 (2006) 112505	2005A0686	BL25SU	組頭 広志	Observation of Step-Induced Magnetic Domain Formation in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ Thin Films by Photoelectron Emission Microscopy
Masakiyo Tsunoda	10042	89 (2006) 172501	2005A0144	BL25SU	角田 匡清	Soft X-ray Magnetic Circular Dichroism Study of Mn-Ir/Co-Fe Bilayers with Giant Exchange Anisotropy
			2006A0228	BL25SU	平野 辰巳	
Michio Okada	10246	89 (2006) 201912	2004B0015	BL23SU	岡田 美智雄	Protective Layer Formation during Oxidation of $\text{Cu}_3\text{Au}(100)$ using Hyperthermal O_2 Molecular Beam
Shinji Kohara	10258	89 (2006) 201910	2005B0735	BL04B2	臼杵 毅	Structural Basis for the Fast Phase Change of $\text{Ge}_2\text{Sb}_2\text{Te}_5$: Ring Statistics Analogy between the Crystal and Amorphous States

Japanese Journal of Applied Physics

筆頭著者名	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
Ryohei Tanuma	9869	45 (2006) 5280-5282	C04A3111	BL16XU	田沼 良平	Fresnel-Zone-Plate-Magnified X-ray Topography
Shingo Takeda	9902	45 (2006) L1054-L1056	2005A0283 R04A0038 R04A0059 R04B0004 R04B0016	BL13XU BL46XU BL46XU BL46XU BL46XU	酒井 朗 竹田 晋吾 竹田 晋吾 竹田 晋吾 竹田 晋吾	Development of High-Angular-Resolution Microdiffraction System for Reciprocal Space Map Measurements
Kazunori Fukuda	10112	45 (2006) 8542-8548	C03B5043 C04A5041	BL24XU BL24XU	津坂 佳幸 松井 純爾	Two-Dimensional Anisotropic Lattice Deformation Observed in a Commercially Available Strained-Si Wafer
Takahisa Koyama	10141	45 (2006) L1159-L1161	2006A3200	BL24XU	籠島 靖	Hard X-Ray Nano-Interferometer and Its Application to High-Spatial-Resolution Phase Tomography

Journal of the Physical Society of Japan

Takayoshi Ishimoto	9137	73 (2004) 1775-1780	2004B0776	BL02B2	山内 美穂	Isotope Effect in Hydrogen Deuterium Absorbing Pd Nanoparticles Revealed by X-ray Powder Diffraction and by a Multicomponent MO Method
Hironori Nakao	9877	75 (2006) 94706	2002B0701 2003A2701	BL02B1 BL02B1	中尾 裕則 中尾 裕則	Resonant X-ray Scattering Study at Y K-edge in $Y_{1-x}Ca_xTiO_3$
Takuo Ohkochi	9913	75 (2006) 104707	2004B0154 2005A0291	BL39XU BL39XU	壬生 攻 大河内 拓雄	Depth Profile of Induced Spin Polarization in Au Layers of Fe/Au(001) Superlattices by Resonant X-ray Magnetic Scattering
Kiyonobu Nagaya	10280	75 (2006) 114801	2003A0250 2004A0318 2005A0261	BL10XU BL37XU BL37XU	八尾 誠 八尾 誠 八尾 誠	Electron- Ion-Coincidence Measurements for K-Shell Excited Free Krypton Clusters

Acta Crystallographica Section F

Dominggus Malle	9370	62 (2006) 381-384	2005A1704	BL38B1	三上 文三	Overexpression, Purification and Preliminary X-ray Analysis of Pullulanase from <i>Bacillus subtilis</i> strain 168
Sachiyo Kataoka	9962	62 (2006) 569-571	2004B0885	BL38B1	大久保 忠恭	Crystallization and preliminary X-ray analysis of the complex of NADH and 3 α -hydroxysteroid Dehydrogenase from <i>Pseudomonas</i> sp. B-0831
Tomoya Kitatani	10002	62 (2006) 727-730	2000B0161	BL40B2	多田 俊治	Structure of Apo-glyceraldehyde-3-phosphate Dehydrogenase from <i>Synechococcus</i> PCC7942

Frascati Physics Series

Hirofumi Oohashi	6944	32 (2003) 23-28	C04A2008	BL15XU	Vlaicu Aurel Mihai	Evolution of Au $L\beta_2$ Satellites of X-ray Emission Spectra around Thresholds
Nobuyuki Shigeoka	6945	32 (2003) 47-52	C04A2008	BL15XU	Vlaicu Aurel Mihai	Investigation of the Shake Process in Fe $K\alpha$ Satellites
Aurel Mihai Vlaicu	6946	32 (2003) 53-58	C02B2009	BL15XU	Vlaicu Aurel Mihai	The Mechanism of ${}_{74}W$ $L\beta_2$ X-ray Emission Satellite Excited by Synchrotron-Radiation

Journal of Applied Physics

Takuya Hoshina	9367	99 (2006) 54311	2005B0724 2004A0566	BL02B2 BL02B2	和田 智志 八島 正知	Size and Temperature Induced Phase Transition Behaviors of Barium Titanate Nanoparticles
Toshikazu Kubo	9871	99 (2006) 08G911	C05A3111	BL16XU	久保 登士和	Study of Stacking Fault Effect on Magnetic Anisotropy of CoPtCr-SiO ₂ Perpendicular Media by Synchrotron Radiation X-ray Diffraction
Ryoma Hayakawa	10135	100 (2006) 73710	2005B0102	BL23SU	田川 雅人	Detailed Structural Analysis and Dielectric Properties of Silicon Nitride Film Fabricated Using Pure Nitrogen Plasma Generated Near Atmospheric Pressure

Proteins: Structure, Function, and Bioinformatics

筆頭著者名	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
Chiaki Okada	9930	63 (2006) 1119-1122	2002B0388	BL41XU	姚 閔	Crystal Structure of an RtcB Homolog Protein (PH1602-Extein Protein) from <i>Pyrococcus horikoshii</i> Reveals a Novel Fold
Yui Okada	9931	63 (2006) 1084-1086	2003A0347	BL41XU	田中 勲	Structural Analysis of the Transcriptional Regulator Homolog Protein from <i>Pyrococcus horikoshii</i> OT3
Yoshiaki Yasutake	9933	64 (2006) 1069-1077	2004B0819	BL41XU	姚 閔	Structural Characterization of the <i>Acetobacter xylinum</i> Endo- β -1,4-Glucanase CMCax Required for Cellulose Biosynthesis

Chemistry Letters

Takaaki Itai	9937	35 (2006) 866-867	2006A1596	BL01B1	光延 聖	Determination of As /As Ratio in Alluvial Sediments of the Bengal Basin Using X-ray Absorption Near-edge Structure
			2006A1497	BL37XU	高橋 嘉夫	
Akiko Hokura	10023	35 (2006) 1246-1247	2004A0624	BL37XU	中井 泉	2-D X-ray Fluorescence Imaging of Cadmium Hyperaccumulating Plants by Using High-energy Synchrotron Radiation X-ray Microbeam
			2004B0715	BL37XU	中井 泉	

Composite Interfaces

Isamu Akiba	10243	13 (2006) 415-421	2002A0350	BL40B2	秋葉 勇	Formation of Mesoscopically Organized Phase Structures in Polymer Mixtures
Masaru Kotera	10289	14 (2007) 63-72	C04A5062	BL24XU	籠島 靖	Interfacial Structure Analysis of Polymer Laminate Using SPring-8 X-ray Microbeam

Journal of Physics B

Yaming Zou	10131	39 (2006) 4775-4788	2000B0188	BL47XU	Zou Yaming	Study of Vacancy Decays in the L-shell Photoionization of Barium in the Excitation Energy Range of 5.6-30 keV: from L ₂ Edge to Energy High above the Thresholds of Double L-vacancy Production
Masaki Oura	10154	39 (2006) 4637-4648	2003B0756	BL27SU	大浦 正樹	Study of the 2p \rightarrow np(n=3-6) Excitation Processes Accompanying 1s Photoionization of Ne

Materials Research Society Symposia Proceedings

Paul Fons	10009	918 (2006) H04-01	2005A0564	BL15XU	Fons Paul	Understanding Structural Changes in Phase Change Memory Alloys
			2005A0561	BL14B1	Kolobov Alexander	
Alexander Kolobov	10012	918 (2006) H04-05	2005A0004	BL01B1	Fons Paul	What Makes Phase-Change Chalcogenide Alloys Materials of Choice for Optical Data Storage

Physical Review B

Takeshi Sonehara	9893	74 (2006) 104424	2005B0092	BL02B2	勝藤 拓郎	Transport, Magnetic, and Structural Properties of Spinel MnTi ₂ O ₄ and the Effect of V Doping
Tsunehiro Takeuchi	9894	74 (2006) 54206	2004A0262	BL02B2	竹内 恒博	Extremely Small Thermal Conductivity of the Al-based Mackay-type 1/1-cubic Approximants

Nature

Satoshi Murakami	9956	443 (2006) 173-179	2006A0008	BL41XU	村上 聡	Crystal Structures of a Multidrug Transporter Reveal a Functionally Rotating Mechanism
			2005B0008	BL41XU	村上 聡	
			2005A4036	BL41XU	村上 聡	
Kozo Tomita	10236	443 (2006) 956-960	2005A0565	BL41XU	富田 耕造	Complete Crystallographic Analysis of the Dynamics of CCA Sequence Addition
			2005B0192	BL41XU	富田 耕造	
			2006A1053	BL41XU	富田 耕造	

Nuclear Instruments and Methods in Physics Research Section B

筆頭著者名	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
Masafumi Fukuzumi	9371	245 (2006) 161-165	2005A0420	BL39XU	岩瀬 彰宏	Effects of Swift Heavy Ion Irradiation on Magnetic Properties of Fe-Rh Alloy
Alexander Kolobov	10018	246 (2006) 69-74	2005A0004 2001B0099	BL01B1 BL01B1	Fons Paul Kolobov Alexander	Nanometer-Scale Mechanism of Phase-Change Optical Recording as Revealed by XAFS

Physica Scripta

Yoshiaki Ito	8160	T115 (2005) 1084-1087	2002B0438 C02B2009	BL15XU BL15XU	伊藤 嘉昭 Vlaicu Aurel Mihai	[K+L] Double-Electron Transition in Fe
Yoshiaki Ito	8161	T115 (2005) 1080-1083	2002B0438 C02B2009	BL15XU BL15XU	伊藤 嘉昭 Vlaicu Aurel Mihai	Analysis of Ti K α Spectra in X-ray Emission Spectroscopy

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

Masaaki Sokabe	9926	102 (2005) 11669-11674	2003B0897 2003B0897 2004B0820 2004B0820	BL38B1 BL44B2 BL38B1 BL44B2	田中 勲 田中 勲 田中 勲 田中 勲	Molecular Basis of Alanine Discrimination in Editing Site
Masaaki Sokabe	9928	103 (2006) 13016-13021	2002A0375 2003A0347	BL41XU BL41XU	姚 閔 田中 勲	Structure of Archaeal Translational Initiation Factor 2 β - γ -GDP Reveals Significant Conformational Change of the β -Subunit and Switch 1 Region

Review of Scientific Instruments

Tatsuo Gejo	9171	77 (2006) 36112	2002B0416 2003A0208 2003B0274	BL27SU BL27SU BL27SU	下條 竜夫 下條 竜夫 下條 竜夫	Development of Symmetry-Resolved Zero-Kinetic-Energy Photoelectron Spectroscopy for Probing Multielectron Processes
Akihisa Takeuchi	9406	76 (2005) 93708	2003A0188	BL20XU	竹内 晃久	Kirkpatrick-Baez Type X-ray Focusing Mirror Fabricated by the Bent-Polishing Method

Analytical Chemistry

Satoshi Mitsunobu	10003	79 (2006) 7040-7043	2005A0628 2006A1533 2006A1596	BL01B1 BL01B1 BL01B1	高橋 嘉夫 田中 万也 光延 聖	Observation of Chemical Reactions at the Solid-Water Interface by Quick XAFS Combined with a Column Reactor
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Angewandte Chemie International Edition

Hideyuki Nakano	10088	45 (2006) 6303-6306	2005B5070	BL16XU	妹尾 与志木	Soft Synthesis of Single-Crystal Silicon Monolayer Sheets
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Annals of Biomedical Engineering

Fumihiko Kajiya	6726	28 (2000) 897-902	2000A0137	BL20B2	梅谷 啓二	Intramyocardial Influences on Blood Flow Distributions in the Myocardial Wall
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Biochimica et Biophysica Acta - Biomembranes

Ichiro Hatta	10140	1758 (2006) 1830-1836	2004A0143 2005A0738	BL40B2 BL40B2	八田 一郎 八田 一郎	Coexistence of Two Domains in Intercellular Lipid Matrix of Stratum Corneum
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Chemical Physics Letters

Masamitsu Hoshino	10235	421 (2006) 256-260	2004A0508	BL27SU	田中 大	Symmetry- and Vibrationally-Resolved C K-shell Photoionization Studies of C ₂ H ₂
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Environmental Science & Technology

Satoshi Mitsunobu	10290	40 (2006) 7270-7276	2005B0488 2006A1533 2006A1596	BL01B1 BL01B1 BL01B1	光延 聖 田中 万也 光延 聖	Comparison of Antimony Behavior with that of Arsenic under Various Soil Redox Conditions
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European Journal of Biochemistry

筆頭著者名	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
Kai-Fa Huang	8667	269 (2002) 3047-3056	R01B0040	BL38B1	Moriyama Hideaki	Determinants of the Inhibition of a Taiwan Habu Venom Metalloproteinase by Its Endogenous Inhibitors Revealed by X-ray Crystallography and Synthetic Inhibitor Analogues

European Journal of Mineralogy

Masanori Matsui	10073	18 (2006) 523-528	2004B0238	BL04B1	松井 正典	Equation of State of $(\text{Mg}_{0.8}\text{Fe}_{0.2})_2\text{SiO}_4$ Ringwoodite from Synchrotron X-ray Diffraction up to 20 GPa and 1700 K
			2004B0498	BL04B1	桂 智男	

Genes to Cells

Satoru Yuzawa	8895	9 (2004) 443-456	2002B0762	BL41XU	稲垣 冬彦	A Molecular Mechanism for Autoinhibition of the Tandem SH3 Domains of p47 ^{phox} , the Regulatory Subunit of the Phagocyte NADPH Oxidase
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IEEE Transactions on Applied Superconductivity

Takahiro Kato	10034	15 (2005) 3257-3260	2003A0192	BL13XU	久保 衆伍	Superconducting Properties and Crystallinity of As-Grown MgB_2 Thin Films Synthesized Using an In-Plane-Lattice Near-Matched Epitaxial Buffer Layer
			2003B0736	BL13XU	久保 衆伍	
			2003A0191	BL02B2	久保 衆伍	
			2003B0288	BL02B2	久保 衆伍	
			2004A0522	BL02B2	久保 衆伍	

IEICE Transactions on Electronics

Ichiro Hirose	9947	E89-C (2006) 1413-1417	2002A0664	BL19B2	廣沢 一郎	Site of Doped Eu in $\text{BaMgAl}_{10}\text{O}_{17}$ Studied by X-ray Absorption Fine Structure
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International Journal of Modern Physics B

Takao Hanabusa	10292	20 (2006) 4691-4696	2003A0305	BL13XU	英 崇夫	Thermal Stress Behavior in Nano-Size Thin Aluminum Films
			2003B0324	BL13XU	日下一也	

IPAP Conference Series 7

Yoshio Suzuki	10044	(2006) 47-49	2002A0162	BL20XU	鈴木 芳生	X-ray Imaging Microscopy at 82 keV with Sputtered-Sliced Fresnel Zone Plate Objective
			2003A0121	BL20XU	鈴木 芳生	

Journal of Alloys and Compounds

Takuya Kinoshita	9395	359 (2003) 46-50	2002A0450	BL01B1	中川 貴	Magnetic Evaluation of Nanostructure of Gold-Iron Composite Particle Synthesized by Reverse Micelle Method
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The Journal of Biological Chemistry

Shota Nakamura	10024	281 (2006) 31876-31884	2004B0885	BL38B1	大久保 忠恭	Apo- and Holo-structures of 3α -Hydroxysteroid Dehydrogenase from <i>Pseudomonas</i> sp. B-0831: Loop-Helix Transition Induced by Coenzyme Binding
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Journal of Crystal Growth

Yoshinao Kumagai	10124	296 (2006) 37573	C05A4030	BL16B2	飯原 順次	Fe-doped Semi-insulating GaN Substrates Prepared by Hydride Vapor-Phase Epitaxy Using GaAs Starting Substrates
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Journal of Low Temperature Physics

Takahiko Sasaki	10117	142 (2006) 373-378	2004B0014	BL43IR	佐々木 孝彦	Electrical Inhomogeneity at the Mott Transition in the Band Width Controlled κ -(BEDT-TTF) ₂ Cu[N(CN) ₂]Br
			2004A0023	BL43IR	佐々木 孝彦	
			2003B0114	BL43IR	佐々木 孝彦	

Journal of Materials Chemistry

筆頭著者名	研究成果番号	雑誌情報	課題番号	チームライン	実験責任者	タイトル
Masatomo Yashima	10265	16 (2006) 4393-4397	2002B0730	BL02B2	八島 正知	Crystal Structure, Electron Density and Diffusion Path of the Fast-Ion Conductor Copper Iodide CuI
			2003B0029	BL02B2	八島 正知	
			2004A0566	BL02B2	八島 正知	

Journal of Molecular Biology

Yukie Maruyama	10286	350 (2005) 974-86	2004B0315	BL38B1	橋本 渉	Crystal Structure of <i>Bacillus</i> sp. GL1 Xanthan Lyase Complexed with a Substrate: Insights into the Enzyme Reaction Mechanism
			2004B7120	BL44XU	三上 文三	

Journal of Non-Crystalline Solids

Alexander Kolobov	10019	352 (2006) 1612-1615	2003A0004	BL01B1	Fons Paul	Why DVDs Work the Way They Do: The Nanometer-Scale Mechanism of Phase Change in Ge-Sb-Te Alloys
			2001B0099	BL01B1	Kolobov	
					Alexander	

Journal of Physics: Condensed Matter

Junpei Okada	10264	18 (2006) L613-L618	2004A0510	BL35XU	岡田 純平	Dynamics in the Melt of Icosahedral Al ₇₂ Pd ₂₀ Mn ₈ Quasicrystal
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Journal of the Ceramic Society of Japan

Atsushi Nakahira	8604	114 (2006) 46-50	2004B0166	BL01B1	中平 敦	Synthesis and Characterization of TiO ₂ Doped with P ions by Anodic Oxidation of Titanium in Acid Solution
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Macromolecules

Mikihito Takenaka	9881	39 (2006) 6229-6232	2004B0096	BL45XU	竹中 幹人	Concentration Fluctuations Induced by Orientation
			2005A0690	BL45XU	竹中 幹人	Fluctuations in Polymer-Liquid Crystal Mixture
			2005B0336	BL45XU	竹中 幹人	

Molecular Cell

Ryoji Suno	9886	22 (2006) 575-585	2005A0339	BL41XU	森川 耿右	Structure of the Whole Cytosolic Region of ATP-Dependent Protease FtsH
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Nano Letters

Atsushi Kondo	10202	6 (2006) 2581-2584	2006A1659	BL02B2	金子 克美	Novel Expansion/Shrinkage Modulation of 2D Layered MOF Triggered by Clathrate Formation with CO ₂ Molecules
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Nuclear Instruments and Methods in Physics Research Section A

Karen Siu	10127	548 (2005) 169-174	2003B0190	BL20B2	Lewis Rob	An Improvement to the Diffraction-Enhanced Imaging Method that Permits Imaging of Dynamic Systems
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Philosophical Magazine B

Tsunehiro Takeuchi	9895	86 (2006) 709-716	2004A0262	BL02B2	竹内 恒博	Atomic Structure and Electron Transport Properties of the Al-Pd-Mn-Re-Si 1/1-Cubic Approximants
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Physical Review Letters

Alexander Kolobov	10008	97 (2006) 35701	2005A0004	BL01B1	Fons Paul	Pressure-Induced Site-Selective Disorder of Ge ₂ Sb ₂ Te ₅ : A New Insight into Phase-Change Optical Recording
			2005A0561	BL14B1	Kolobov	
			2006A0006	BL01B1	Alexander	

Physics and Chemistry of Minerals

Toru Inoue	10204	33 (2006) 106-114	1998A0144	BL04B1	井上 徹	The Phase Boundary between Wadsleyite and Ringwoodite in Mg ₂ SiO ₄ Determined by in situ X-ray Diffraction
			1999A0101	BL04B1	井上 徹	
			1999B0412	BL04B1	井上 徹	
			2000A0009	BL04B1	井上 徹	

Physics in Medicine and Biology

筆頭著者名	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
Nobuteru Nariyama	9864	51(2006) 5199-5209	R02B0037	BL38B1	成山 展照	Ion Recombination in Parallel-Plate Free-Air Ionization Chambers for Synchrotron Radiation
			R03A0002	BL38B1	成山 展照	
			R03A0052	BL47XU	成山 展照	
			R03B0026	BL47XU	成山 展照	
			J04B0520	BL20XU	馬込 保	
			2005A0071	BL19LXU	成山 展照	
			装置技術	BL08W		
			2006A1327	BL19LXU	成山 展照	
			2006A1314	BL20XU	成山 展照	

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Masaki Kakiage	10230	47 (2006) 8053-8060	2003B0303	BL40B2	上原 宏樹	Transient Crystallization during Drawing from Ultra-High Molecular Weight Polyethylene Melts having Different Entanglement Characteristics
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Reviews in Mineralogy and Geochemistry

Tatsuhiko Kawamoto	10065	62 (2006) 273-289	2005B0013	BL04B1	川本 竜彦	Hydrous Phases and Water Transport in the Subducting Slab
			2006A1004	BL04B1	川本 竜彦	

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Akiyoshi Nakamura	9929	312 (2006) 1954-1958	2005A0816	BL41XU	田中 勲	Ammonia Channel Couples Glutaminase with Transamidase Reactions in GatCAB
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Mikihito Takenaka	10004	7 (2006) 589-594	2004A0075	BL45XU	竹中 幹人	Scattering Studies of Novel Degradable Block Copolymers of Strong Segregation Class
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Solid State Ionics

Yarong Wang	10122	177 (2006) 1681-1685	2003A0045	BL01B1	蔭山 博之	Local Structures around Y and Ce Cations in 10 mol% Y ₂ O ₃ Doped Ceria Ceramics by EXAFS Spectroscopy
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Thin Solid Films

Takashi Suzuki	10239	515 (2006) 2410-2414	2003B0390	BL19B2	鈴木 貴志	Small Angle X-ray Scattering Measurements of Porous Low- <i>k</i> Films using Synchrotron Radiation
			2004A0238	BL46XU	鈴木 貴志	

Vacuum

Tatsuya Matsue	10046	80 (2006) 836-839	2004A0277	BL13XU	松英 達也	Alteration of Internal Stresses in SiO ₂ /Cu/TiN Thin Films by X-ray and Synchrotron Radiation Due to Heat Treatment
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Nobuyuki Shigeoka	9059	(2006) 1-34	C02B2009	BL15XU	Vlaicu Aurel Mihai	Investigation of Satellites Associated with Fe and Ti K Fluorescence X-ray Emission Spectra
			2002B0438	BL15XU	Vlaicu Aurel Mihai	

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Biochemistry

筆頭著者名	研究成果番号	雑誌情報		ビームライン	タイトル
Aik-Hong Teh	9899	45 (2006) 7825-7833	理研	BL26B2	The 1.48 Å Resolution Crystal Structure of the Homotetrameric Cytidine Deaminase from Mouse
Yuan Luo	9934	45 (2006) 11727-11736	全体概要	BL41XU	Inhibitors and Inactivators of Protein Arginine Deiminase 4: Functional and Structural Characterization

Journal of Molecular Biology

筆頭著者名	研究成果番号	雑誌情報		ビームライン	タイトル
Sam-Yong Park	9898	360 (2006) 690-701	理研	BL44B2	1.25 Å Resolution Crystal Structures of Human Haemoglobin in the Oxy, Deoxy and Carbonmonoxy Forms
			理研	BL45XU	
Seiji Yamada	10118	362 (2006) 123-139	理研	BL45XU	The Signaling Pathway in Histidine Kinase and the Response Regulator Complex Revealed by X-ray Crystallography and Solution Scattering
			理研	BL44B2	

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Yoshiyuki Nishimiya	10005	62 (2006) 538-541	理研	BL44B2	Crystallization and Preliminary X-ray Crystallographic Analysis of Ca ²⁺ -independent and Ca ²⁺ -dependent Species of the Type Antifreeze Protein
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The Journal of Biochemistry

Tetsuya Hori	10072	140 (2006) 457-466	理研	BL45XU	Crystal Structure of <i>Anti</i> -Configuration of Indomethacin and Leukotriene B ₄ 12-Hydroxydehydrogenase/15-Oxo-Prostaglandin 13-Reductase Complex Reveals the Structural Basis of Broad Spectrum Indomethacin Efficacy
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Noriki Terada	10260	75 (2006) 113702	理研	BL19LXU	Restoring Higher Symmetric Crystal Structure with Magnetic Field in Triangular Lattice Antiferromagnet CuFeO ₂
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Hitoshi Tanaka	10020	13 (2006) 378-391	加速器 全体概要		Stable Top-up Operation at SPring-8
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Physica B

Yoshikazu Tanaka	10259	383 (2006) 39-40	理研	BL19LXU	Incommensurate and Commensurate Quadrupole Orders in Ce _{0.7} Pr _{0.3} B ₆
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Erkki Ikonen	9957	74 (2006) 13816	理研	BL19LXU	Excess Coincidences of Reflected and Refracted X Rays from a Synchrotron-Radiation Beamline
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Physical Review B

Noriki Terada	10262	74 (2006) 180404(R)	理研	BL19LXU	Field-Induced Lattice Staircase in a Frustrated Antiferromagnet CuFeO ₂
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Masamitsu Takahashi	10070	600 (2006) 4099-4102	原研	BL11XU	Structure of GaAs(001)-c(4 × 4): Comparison of X-ray Diffraction and First-Principles Calculation
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