

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、以下のホームページから検索できます。

<http://4users.spring8.or.jp/publ/>

このデータベースに登録された原著論文の内、平成17年4月～5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、詳細はホームページ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HP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、ホームページは毎日更新されていますので、最新情報はホームページをご覧ください。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

Physica Scripta

主著者	研究成果番号	巻、発行年、ページ	課題番号	ビームライン	実験責任者	タイトル
Masaki Takaoka	7000	T115 (2005) 943-945	2000B0309	BL01B1	高岡 昌輝	Direct Speciation of Lead, Zinc and Antimony in Fly Ash from Waste Treatment Facilities by XAFS Spectroscopy
			2001A0367	BL01B1	高岡 昌輝	
Masaichiro Mizumaki	7572	T115 (2005) 513-515	留保時間	BL01B1		Investigation of Structural and Electronic Properties in Ru Perovskite Oxides by XAFS Measurements
			2004A0083	BL39XU	水牧 仁一郎	
Hiroyuki Kageyama	7577	T115 (2005) 504-506	2001A0254	BL01B1	蔭山 博之	Glancing Angle Fluorescence XAFS Study on Metal Oxide Thin Films Obtained by Oxygen Gas Cluster Ion Beam Assisted Deposition Techniques
			2002A0063	BL01B1	蔭山 博之	
Yasuo Izumi	7584	T115 (2005) 933-935	2003A0145	BL10XU	泉 康雄	Monitoring Trace Amounts of Lead and Arsenic Adsorption by X-ray Absorption Fine Structure Combined with Fluorescence Spectrometry
			2002B0738	BL10XU	泉 康雄	
			2001B0004	BL10XU	泉 康雄	
			2001A0022	BL10XU	泉 康雄	
Hisashi Hayashi	7611	T115 (2005) 1094-1096	R02A0033	BL47XU	林 久史	Lifetime-Broadening-Removed XANES Spectroscopy by High-Resolution Resonant Inelastic X-ray Scattering
Hisashi Hayashi	7612	T115 (2005) 1097-1098	2002B0475	BL47XU	林 久史	A Multi-Crystal Spectrometer with a Two-Dimensional Position-Sensitive Detector for X-ray Fluorescence Spectroscopy
			R03A0017	BL47XU	林 久史	
Tetsuo Honma	7625	T115 (2005) 567-569	2002A0409	BL38B1	森 久史	XAFS Analyses of Zinc Compound in Corrosion Product for Magnesium Alloy of Super Plastic Processing
			2002B0614	BL19B2	本間 徹生	
Dong-Seok Yang	7670	T115 (2005) 240-242	2001B0135	BL01B1	Yang Dong-Seok	Simultaneous Fitting with Constraints for EXAFS Study of Anharmonic Vibrational System
Haruaki Matsuura	7690	T115 (2005) 294-296	2002B0837	BL19B2	藤田 玲子	Short Range Structure of Lanthanum Chloride / Oxychloride Determined by EXAFS
Masayasu Nagoshi	7718	T115 (2005) 946-948	2002A0239	BL01B1	名越 正泰	Chemical States of Trace Heavy Metals in Sewage Sludge by XAFS Spectroscopy
			2002B0290	BL01B1	名越 正泰	

The Journal of Biological Chemistry

主著者	研究成果番号	巻、発行年、ページ	課題番号	ビームライン	実験責任者	タイトル
Ryohei Ishii	7146	278 (2003) 32397-32404	2002A0727	BL41XU	瀧木 理	Crystal Structure of the tRNA Processing Enzyme RNase PH from <i>Aquifex aeolicus</i>
Tsuyoshi Nonaka	7461	279 (2004) 47344-47351	2004A0675 理研	BL40B2 BL44B2	三木 邦夫	The Crystal Structure of an Oxidatively Stable Subtilisin-Like Alkaline Serine Protease, KP-43, with a C-Terminal α -Barrel Domain
Hiroyuki Akama	7544	279 (2004) 25939-25942	C01A7126 C01B7126 C02A7318 C02B7318 C03A7327 C03B7327	BL44XU BL44XU BL44XU BL44XU BL44XU BL44XU	中江 太治 中江 太治 中江 太治 中江 太治 中江 太治 中江 太治	Crystal Structure of the Membrane Fusion Protein, MexA, of the Multidrug Transporter in <i>Pseudomonas aeruginosa</i>
Hiroyuki Akama	7545	279 (2004) 52816-52819	C01A7126 C01B7126 C02A7318 C02B7318 C03A7327 C03B7327 C04A7115	BL44XU BL44XU BL44XU BL44XU BL44XU BL44XU BL44XU	中江 太治 中江 太治 中江 太治 中江 太治 中江 太治 中江 太治 中江 太治	Crystal Structure of the Drug Discharge Outer Membrane Protein, OprM, of <i>Pseudomonas aeruginosa</i> : Dual Modes of Membrane Anchoring and Occluded Cavity End
Jung-In Kim	7642	280 (2005) 11347-11351	2003B0057	BL41XU	Lee Jie-Oh	Crystal Structure of CD14 and Its Implications for Lipopolysaccharide Signaling
Masaru Goto	7649	278 (2003) 22964-22971	2002A0293 2003A0850	BL41XU BL40B2	宮原 郁子 広津 建	Structures of Argininosuccinate Synthetase in Enzyme-ATP Substrates and Enzyme-AMP Product Forms: Stereochemistry of the Catalytic Reaction
Rie Omi	7650	278 (2003) 46035-46045	2002B0700 理研	BL40B2 BL44B2	宮原 郁子	Crystal Structures of Threonine Synthase from <i>Thermus thermophilus</i> HB8: Conformational Change, Substrate Recognition, and Mechanism
Ryohei Ishii	7693	280 (2005) 14138-14144	2004B0416 理研	BL41XU BL26B1	仙石 徹	Crystal Structure of the tRNA 3' Processing Endoribonuclease tRNase Z from <i>Thermotoga maritima</i>
Yoshihiro Yamaguchi	7711	280 (2005) 20824-20832	2003A0775 2003B0821	BL40B2 BL41XU	山縣 ゆり子 山縣 ゆり子	Probing the role of Asp-120(81) of Metallo- β -lactamase (IMP-1) by Site-directed Mutagenesis, Kinetic Studies, and X-ray Crystallography

Journal of Electron Spectroscopy and Related Phenomena

Kazumichi Nakagawa	7586	144-147 (2005) 271-273	2003B0360 2004A0557	BL23SU BL23SU	中川 一道 中川 一道	Natural Circular Dichroism of Amino Acid Films Observed in Soft X-ray and VUV Region using Polarizing Undulator
Fusae Kaneko	7587	144-147 (2005) 291-294	2003A0380 2003B0360	BL23SU BL23SU	中川 一道 中川 一道	Chemical Evolution of Amino Acid Induced by Soft X-ray with Synchrotron Radiation
Yusuke Tamenori	7613	144-147 (2005) 235-238	2002A0190 2002B0284 2003A0677	BL27SU BL27SU BL27SU	為則 雄祐 為則 雄祐 為則 雄祐	Inner-Shell Excitation of Ethanol Cluster at O K-edge
Tomoyuki Takeuchi	7731	144-147 (2005) 707-710	2003A0648	BL27SU	辛 埴	Soft X-ray Spectroscopy of Diluted Magnetic Semiconductor $Ga_{1-x}Mn_x$ (M=Cr, Mn)
Masatake Machida	7732	144-147 (2005) 219-222	2003B0756	BL27SU	大浦 正樹	Study of Auger Decay Process Following Multielectron Excitation Accompanying F 1s Photoionization of CF_4

Physical Review B

Tomoyuki Takeuchi	7089	70 (2004) 245323	2003A0648 2003B0760	BL27SU BL27SU	辛 埴 高田 恭孝	Doping-Dependent Changes in Nitrogen 2p States in the Diluted Magnetic Semiconductor $Ga_{1-x}Cr_x$
Takayoshi Yokoya	7530	71 (2005) 092507	J04A0511	BL25SU	横谷 尚睦	Absence of Strong Correlation in Li_2Pd_3B
Yukio Takahashi	7600	71 (2005) 134107	2003A0406	BL37XU	松原 英一郎	Elemental Identification of a Three-Dimensional Environment by Complex X-ray Holography
Xu-Guang Zheng	7638	71 (2005) 174404	2003B0365 2004A0445	BL02B2 BL02B2	鄭 旭光 鄭 旭光	Antiferromagnetic Transitions in Polymorphous Minerals of the Natural Cuprates Atacamite and Botallackite $Cu_2Cl(OH)_3$
Yuki Aikawa	7722	71 (2005) 184418	2003B0067	BL02B2	勝藤 拓郎	Effect of Mn Trimerization on the Magnetic and Dielectric Properties of Hexagonal $YMnO_3$

Physical Review Letters

主著者	研究成果番号	巻、発行年、ページ	課題番号	ビームライン	実験責任者	タイトル
Noritaka Kato	7506	94 (2005) 136404	2004A0247	BL46XU	加藤 徳剛	Determination of a Merocyanine J-Aggregate Structure and the Significant Contribution of the Electric Dipole Interaction to the Exciton Band Wavelength
			2003B0222	BL46XU	加藤 徳剛	
Rob Hart	7633	94 (2005) 047801	2003A0177	BL04B2	小原 真司	Temperature Dependence of Isotopic Quantum Effects in Water
Tullio Scopigno	7672	92 (2003) 025503	2003A0357	BL35XU	Scopigno Tullio	High Frequency Dynamics of a Monatomic Glass
Tullio Scopigno	7673	94 (2005) 155301	2004A0634	BL35XU	Scopigno Tullio	Hard-Sphere-Like Dynamics in a Non-Hard-Sphere Liquid

Journal of the Physical Society of Japan

Hitoshi Yamaoka	6922	73 (2004) 3182-3191	2002A0076	BL47XU	山岡 人志	K Resonant X-ray Emission Spectroscopy for Fe, Fe ₂ O ₃ and Fe ₃ O ₄
			2003A0070	BL47XU	山岡 人志	
Kazuya Yamamoto	6932	73 (2004) 2616-2619	一般	BL47XU		Hard X-ray Photoemission Spectroscopy of Temperature-Induced Valence Transition in EuNi ₂ (Si _{0.20} Ge _{0.80}) ₂
Satoshi Komiya	7548	73 (2004) 2385-2388	2003A2168	BL02B1	野田 幸男	Relaxor-like Behavior in (BETS) ₂ FeCl ₄ Studied by SR X-Ray Diffraction
			2002B0168	BL02B1	野田 幸男	
			2002A0270	BL02B1	野田 幸男	
Masaki Oura	7549	74 (2005) 1154-1159	2003B0756	BL27SU	大浦 正樹	Manifestation of Auger Resonant Raman Effect on Double-Spectator Type Auger Transitions in the Ne[1s2p] ^(3P) 3p ² 1P Resonant Double Excitation Region
			2002B0651	BL27SU	大浦 正樹	

Biochemistry

Mitsuhiro Hirai	6545	43 (2004) 9036-9049	2001A0001	BL40B2	平井 光博	Hierarchical Map of Protein Unfolding and Refolding at Thermal Equilibrium Revealed by Wide-Angle X-ray Scattering
			2001B0455	BL40B2	平井 光博	
Masakazu Sugishima	7543	44 (2005) 4257-4266	2004A0342	BL41XU	福山 恵一	Crystal Structure of Dimeric Heme Oxygenase-2 from <i>Synechocystis</i> sp. PCC 6803 in Complex with Heme
Masaru Goto	7648	42 (2003) 3725-3733	1999B0342	BL41XU	宮原 郁子	Crystal Structures of Branched-Chain Amino Acid Aminotransferase Complexed with Glutamate and Glutarate: True Reaction Intermediate and Double Substrate Recognition of the Enzyme
			2002A0261	BL41XU	宮原 郁子	

Materials Transactions

Kouichi Hayashi	7524	45 (2004) 1994-1997	2001B0613	BL47XU	林 好一	X-ray Fluorescence Holography Study on Si _{1-x} Ge _x Single Crystal
			2002A0510	BL47XU	林 好一	
			2003A0404	BL37XU	林 好一	
Sumiaki Nakano	7623	45 (2004) 3232-3234	2004A0802	BL19B2	濱田 紘	X-ray Diffraction Study for Mg _x Pd Crystalline and Amorphous Alloys Using Synchrotron Radiation
Sumiaki Nakano	7624	46 (2005) 379-381	2004A0802	BL19B2	濱田 紘	Structural Analysis of Melt-Spun Mg _x Pd _{100-x} (x=70, 80, 85 and 90) Amorphous Alloys

Acta Crystallographica Section D

Takuro Uchiyama	7570	60 (2004) 1487-1489	理研	BL26B2		Crystallization and Preliminary X-ray Diffraction Studies of the Hyperthermophilic Archaeal Sulfodoxin Having the Unique Rieske [2Fe-2S] Cluster Environment
			2003B0852	BL38B1	田中 信夫	
Ihsanawati Iis	7571	59 (2003) 1659-1661	理研	BL26B2		Crystallization and Preliminary X-ray Studies of Xylanase 10B from <i>Thermotoga maritima</i>
			2003A0718	BL40B2	田中 信夫	

Acta Crystallographica Section F

Takayoshi Kinoshita	7470	61 (2005) 346-349	C04B8184	BL32B2	木下 誉富	Structure of a High-Resolution Crystal Form of Human Triosephosphate Isomerase: Improvement of Crystals using the Gel-Tube Method
Shinya Saijo	7568	61 (2005) 83-86	理研	BL26B1		Crystallization and Preliminary X-ray Studies on the Reaction Center-Light-Harvesting 1 Core Complex from <i>Rhodospseudomonas viridis</i>
			2004B0450	BL41XU	熊坂 崇	

Geophysical Research Letters

主著者	研究成果番号	巻、発行年、ページ	課題番号	ビームライン	実験責任者	タイトル
Yuichiro Sueda	7558	31 (2004) L23612	2003A0290	BL04B1	入船 徹男	A New-High-Pressure Form of KAlSi_3O_8 under Lower Mantle Conditions
Motohiko Murakami	7603	32 (2005) L03304	2003A0013 2002B0537	BL10XU BL10XU	巽 好幸 廣瀬 敬	Post-Perovskite Phase Transition and Mineral Chemistry in the Pyrolytic Lowermost Mantle

Journal of Applied Crystallography

Kazuki Takeda	7462	37 (2004) 925-933	2001A0564	BL41XU	三木 邦夫	Multi-Wavelength Anomalous Diffraction Method for I and Xe Atoms using Ultra-High-Energy X-rays from SPring-8
			2001A0518	BL41XU	三木 邦夫	
			2002A0580	BL41XU	三木 邦夫	
			2001A0567	BL41XU	三木 邦夫	
Noboru Ohta	7741	38 (2005) 274-279	2002A0056	BL40XU	八木 直人	Structural Analysis of Cell Membrane Complex of a Hair Fibre by Micro-Beam X-ray Diffraction
			2002B0485	BL40XU	八田 一郎	
			2003A0336	BL40XU	八田 一郎	
			2003B0173	BL40XU	八田 一郎	
			2004A0143	BL40XU	八田 一郎	

Journal of Molecular Biology

Yasuhito Shomura	7574	335 (2004) 1265-1278	2000A0295	BL41XU	三木 邦夫	Crystal Structures of the Group II Chaperonin from <i>Thermococcus</i> strain KS-1: Steric Hindrance by the Substituted Amino Acid, and Inter-subunit Rearrangement between Two Crystal Forms
			2000B0429	BL41XU	三木 邦夫	
			理研	BL44B2		
			理研	BL45XU		
			C00A072M	BL44XU	三木 邦夫	
			C01A7139	BL44XU	三木 邦夫	
Kyoung-Seo Ryu	7641	349 (2005) 153-162	2003B0057	BL41XU	Lee Jie-Oh	Structural Insights into the Monosaccharide Specificity of <i>Escherichia coli</i> Rhamnose Mutarotase

Journal of Physics: Condensed Matter

FangZhun Guo	6526	17 (2005) S1363-S1370	2004A0609	BL27SU	越川 孝範	Introduction of Photoemission Electron Microscopes at SPring-8 for Nanotechnology Support
Shinji Kohara	7634	17 (2005) S77-S86	2000A0400	BL04B2	小原 真司	Intermediate-Range Order in Vitreous SiO_2 and GeO_2

Journal of Solid State Chemistry

Brendan Kennedy	7714	177 (2004) 4552-4556	2002B0001	BL02B2	Kennedy Brendan	Phase Transition Behaviour in the A-site Deficient Perovskite Oxide $\text{La}_{1/3}\text{NbO}_3$
Ismunandar	7715	177 (2004) 4188-4196	2002B0001	BL02B2	Kennedy Brendan	Structural Studies of Five Layer Aurivillius Oxides: $\text{A}_2\text{Bi}_4\text{Ti}_5\text{O}_{18}$ (A=Ca, Sr, Ba and Pb)

Physica B

Shin-ichi Kimura	7620	359-361 (2005) 190-192	2003A0076	BL43IR	木村 真一	Infrared Study on CeSb under High Pressures
Satoshi Tsutsui	7675	359-361 (2005) 1117-1119	2004B0581	BL08W	松田 達磨	Magnetic Compton Scattering Study of UCoAl

Physics of the Earth and Planetary Interiors

Motohiko Murakami	7602	146 (2004) 273-282	2001B0330	BL10XU	廣瀬 敬	High Pressure and High Temperature Phase Transitions of FeO
Yingwei Fei	7607	143-144 (2004) 515-526	2000A0024	BL04B1	Fei Yingwei	A Critical Evaluation of Pressure Scales at High Temperatures by in-situ X-ray Diffraction Measurements
			2000B0581	BL04B1	Fei Yingwei	
			2001A0290	BL04B1	Fei Yingwei	
			2001B0487	BL04B1	Fei Yingwei	

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

主著者	研究成果番号	巻、発行年、ページ	課題番号	ビームライン	実験責任者	タイトル
Yoshimitsu Kuwabara	6848	100 (2003)	2002B0285	BL40B2	西野 武士	Unique Amino Acids Cluster for Switching from the Dehydrogenase to Oxidase Form of Xanthine Oxidoreductase
		8170-8175	2002A0355	BL40B2	西野 武士	
Ken Okamoto	6849	101 (2004) 7931-7936	2003B0810	BL38B1	西野 武士	The Crystal Structure of Xanthine Oxidoreductase during Catalysis: Implications for Reaction Mechanism and Enzyme Inhibition

Structure

Nobuo Suzuki	6521	12 (2004) 751-764	2002B0762	BL41XU	稲垣 冬彦	Structural Basis for the Specificity, Catalysis, and Regulation of Human Uridine-Cytidine Kinase
Masaru Goto	7653	12 (2004) 1413-1423	2003B0313	BL44B2	宮原 郁子	Crystal Structures of CTP Synthetase Reveal ATP, UTP, and Glutamine Binding Sites

Transactions of the Materials Research Society of Japan

Ichiro Hirosawa	7555	30 (2005) 221-224	J04B0509 2004A0540	BL19B2 BL46XU	廣沢 一郎 廣沢 一郎	Characterization of Amorphous Hafnium Silicate and Hafnium Aluminate Films by Grazing-Incidence X-ray Scattering
Yasuhiro Yoneda	7632	30 (2005) 51-54	2002A0059	BL47XU	米田 安宏	X-ray Diffraction Topography on Ferroelectric Materials

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

Yoshiaki Akiniwa	7481	52 (2003) 764-769	2001A0414 2001B0101	BL02B1 BL09XU	柳瀬 悦也 坂井田 喜久	Evaluation of Residual Stress Distribution in Shot-Peened Steel by Synchrotron Radiation
Hirofumi Sumi	7700	54 (2005) 440-446	2003B0547 2004A0310	BL02B1 BL02B1	田中 啓介 田中 啓介	In-situ Measurement of Internal Stresses in Solid Oxide Fuel Cells during Thermal Cycling by Synchrotron Radiation

American Mineralogist

Kei Hirose	7601	90 (2005) 262	2003B2013	BL10XU	巽 好幸	Stability and Equation of State of MgGeO ₃ Post-Perovskite Phase
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Applied Surface Science

Naohiko Kato	7655	244 (2005) 281-284	C00A0326	BL16XU	許斐 一郎	In situ X-ray Diffraction Study of Crystallization Process of GeSbTe Thin Films during Heat Treatment
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Biochemical and Biophysical Research Communications

Akira Nakamiura	7457	315 (2004) 10-15	2002B0848 2002B0393 理研	BL38B1 BL41XU BL44B2	三木 邦夫 三木 邦夫	The N-Terminal Domain of the Replication Initiator Protein RepE is a Dimerization Domain Forming a Stable Dimer
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Biophysical Journal

Toshihiko Oka	7096	88 (2005) 436-442	2002A0072 2002B0263 2003A0172	BL40XU BL40XU BL40XU	岡 俊彦 岡 俊彦 岡 俊彦	Structural Transition of Bacteriorhodopsin is Preceded by Deprotonation of Schiff Base: Microsecond Time-Resolved X-ray Diffraction Study of Purple Membrane
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Chemosphere

Masaki Takaoka	7001	59 (2005) 1497-1505	2001A0367 2003B0215	BL01B1 BL01B1	高岡 昌輝 高岡 昌輝	The Effect of Copper Speciation on the Formation of Chlorinated Aromatics on Real Municipal Solid Waste Incinerator Fly Ash
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The EMBO Journal

Shigeru Sakurai	7480	24 (2005) 683-693	2003A0751	BL38B1	箱嶋 敏雄	Structural Basis for Recruitment of Human Flap Endonuclease 1 to PCNA
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Forensic Science International

Shinichi Suzuki	7552	148 (2005) 55-59	1999A0394	BL08W	中井 泉	Discrimination of Arsenous Acids with Comparison of Trace Elements Contained by using Synchrotron X-ray Fluorescence Spectrometry
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Inorganic Chemistry

Shinya Hayami	6157	43 (2004) 4124-4126	2004A0056	BL02B2	速水 真也	1-D Cobalt(II) Spin Transition Compound with Strong Interchain Interaction: [Co(pyterpy)Cl ₂] · X
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Japanese Journal of Applied Physics

主著者	研究成果番号	巻、発行年、ページ	課題番号	ビームライン	実験責任者	タイトル
Tomoyuki Takeuchi	7090	44 (2005) L153-L155	2003A0648	BL27SU	辛 埴	Electronic Structure Characteristics of MBE (Molecular Beam Epitaxy)-Grown Diluted Magnetic Semiconductor Ga _{1-x} Cr _x N Films
			2003B0760	BL27SU	高田 恭孝	

Journal of Applied Physics

Tomoaki Kawamura	7621	97 (2005) 84318	2003A5032	BL24XU	渡辺 義夫	High Resolution X-ray Diffraction of Epitaxially Grown Indium Phosphide Nanowires at Grazing Incidence Condition
			2003B5032	BL24XU	渡辺 義夫	

Journal of Bacteriology

Xuesong Dong	7585	187 (2005) 2483-2490	2002B0804	BL40B2	祥雲 弘文	Crystal Structure of the Terminal Oxygenase Component of Cumene Dioxygenase Component of <i>Pseudomonas fluorescens</i> IP01
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Journal of Geophysical Research

Yingwei Fei	7604	109 (2004) B02305	2000B0581	BL04B1	Fei Yingwei	Experimentally Determined Postspinel Transformation Boundary in Mg ₂ SiO ₄ using MgO as an Internal Pressure Standard and Its Geophysical Implications
			2001B0487	BL04B1	Fei Yingwei	

The Journal of Pharmacology And Experimental Therapeutics

Atsushi Fukunari	6850	311 (2004) 519-528	2002B0285	BL40B2	西野 武士	Y-700 [1-[3-Cyano-4-(2,2-dimethylpropoxy)phenyl]-1H-pyrazole-4-carboxylic acid]: A Potent Xanthine Oxidoreductase Inhibitor with Hepatic Excretion
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Journal of Physics D: Applied Physics

Seiji Kawado	7619	38 (2005) A17-A22	2002B0717	BL20B2	太子 敏則	Three-Dimensional Structure of Dislocations in Silicon Determined by Synchrotron White X-ray Topography Combined with a Topo-Tomographic Technique
			2004A0099	BL28B2	川戸 清爾	

Journal of Synchrotron Radiation

Kunio Hirata	7248	11 (2004) 60-63	C04A7001	BL44XU	吉川 信也	Scaling of One-Shot Oscillation Images with a Reference Data Set
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Journal of the American Chemical Society

Kin-ya Akiba	7580	127 (2005) 5893-5901	2001A0229	BL04B2	橋爪 大輔	Synthesis and Characterization of Stable Hypervalent Carbon Compounds (10-C-5) Bearing a 2,6-Bis(<i>p</i> -substituted phenyloxymethyl)benzene Ligand
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Laser Physics Letters

Carl Collins	7589	2 (2005) 162-167	2004A0031	BL09XU	Collins Carl	Nuclear Resonance Spectroscopy of the 31-yr Isomer of Hf-178
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Material Science Forum

Yoshiaki Akinawa	7487	490-491 (2005) 118-123	2003A0103	BL09XU	秋庭 義明	Measurement of Stress Distribution Near Fatigue Crack in Ultra-Fine Grained Steel by Synchrotron Radiation
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Nature

Toshiaki Iitaka	6519	430 (2004) 442-445	2003B2013	BL10XU	巽 好幸	The Elasticity of the MgSiO ₃ Post-Perovskite Phase in the Earth's Lowermost Mantle
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Physics and Chemistry of Minerals

Shigeaki Ono	7622	32 (2005) 8-10	2002B0162	BL10XU	小野 重明	A New High-Pressure Phase of Strontium Carbonate
			2003A0013	BL10XU	巽 好幸	

Protein Science

Tomonori Kaneko	7566	14 (2005) 558-565	2004A0662	BL38B1	田中 信夫	Crystal Structures of RsbQ, a Stress-Response Regulator in <i>Bacillus subtilis</i>
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Proteins: Structure, Function, and Bioinformatics

Nobutaka Numoto	7463	58 (2004) 498-500	2003A0437	BL41XU	三木 邦夫	Crystal Structure of the Co-Chaperonin Cpn10 from <i>Thermus thermophilus</i> HB8
			2004A0676	BL41XU	三木 邦夫	
			2003B0863	BL41XU	三木 邦夫	

Surface and Interface Analysis

主著者	研究成果番号	巻、発行年、ページ	課題番号	ビームライン	実験責任者	タイトル
Kouji Inoue	7525	37 (2005) 185-189	2002A0049	BL13XU	高橋 功	Study of Solid/Solid Interface by Transmitted X-ray Reflectivity
			2002B0206	BL13XU	高橋 功	
			2003A0098	BL13XU	高橋 功	

Thin Solid Films

主著者	研究成果番号	巻、発行年、ページ	課題番号	ビームライン	実験責任者	タイトル
Takayoshi Shimura	7500	476 (2005)	1999A0024	BL09XU	志村 考功	Comparison of Ordered Structure in Buried Oxide Layers in High-Dose, Low-Dose, and Internal-Thermal-Oxidation Separation-by-Implanted-Oxygen Wafers
		125-129	2002A0168	BL13XU	志村 考功	

日本エネルギー学会誌 (Journal of the Japan Institute of Energy)

主著者	研究成果番号	巻、発行年、ページ	課題番号	ビームライン	実験責任者	タイトル
Hiroyuki Akiho	7317	83 (2004) 924-931	C02B3012	BL16XU	栃原 義久	Capturing Characteristic of Gaseous Mercury in Desulfurization Solutions Simulating the Limestone-Gypsum Process

博士論文

著者	研究成果番号	発行年、ページ	課題番号	ビームライン	指導教官	タイトル
Yoshihiro Saito	7452	東京大学, (2005)	C01A3006	BL16XU	飯原 順次	Study on Fabrication Process of GaAs Electronic Devices
Kazushi Sumitani	7579	東京大学, (2005)	2003A0618	BL13XU	高橋 敏男	Study on the Structures and the Phase Transitions of Ag/Si(111) Surfaces by X-ray Diffraction
Hirohiko Yakabe	7582	九州大学, (2005)	2004B0755	BL13XU	佐々木 園	Study on Fine Structure Analysis of Crystalline Polymers in the Constrained State
Tomoyuki Koga	7583	九州大学, (2005)	2004A0319	BL13XU	高原 淳	Study on the Molecular Aggregaton Structure and Microfabrication of Organosilane Monolayers

・ 課題の成果以外で登録された論文

Acta Crystallographica Section D

主著者	研究成果番号	巻、発行年、ページ	理研	ビームライン	タイトル
Wakana Iwasaki	7458	60 (2004) 515-517	理研	BL45XU	Crystallization and Preliminary X-ray Crystallographic Studies on the Small Form of Glucose-Inhibited Division Protein A from <i>Thermus thermophilus</i> HB8
Nobutaka Numoto	7459	60 (2004) 810-815	理研	BL45XU	
Remco Kort	7460	60 (2004) 1205-1213	理研	BL44B2	DNA Apophotolyase from <i>Anacystis nidulans</i> : 1.8 Å Structure, 8-HDF Reconstitution and X-ray Induced FAD-Reduction
Tsutomu Matsui	7569	60 (2004) 2016-2018	理研	BL26B2	Crystallization and Preliminary X-ray Crystallographic Analysis of Chitinase F1 (ChiF1) from the Alkaliphilic <i>Nocardioopsis</i> sp. strain F96
Seong-Hoon Kim	7573	59 (2003) 2275-2278	理研	BL44B2	Crystallization and Preliminary X-ray Analysis of the Small Component of 4-Hydroxyphenyl-acetate 3-monooxygenase (HpaC) and Its Cofactor Complex from <i>Thermus thermophilus</i> HB8
Rie Omi	7651	60 (2004) 574-576	理研	BL45XU	
			理研	BL44B2	Expression, Purification and Preliminary X-ray Characterization of Histidinol Phosphate Phosphatase

The Journal of Biological Chemistry

主著者	研究成果番号	巻、発行年、ページ	理研	ビームライン	タイトル
Hai Pang	7456	279 (2004) 1491-1498	理研	BL44B2	Crystal Structure of Human Pirin: An Iron-Bonding Nuclear Protein and Transcription Cofactor
Tomonori Kaneko	7567	279 (2003) 48162-48168	理研	BL26B1	Structural Insight into Modest Binding of a Non-PXXP Ligand to the Signal Transducing Adaptor Molecule-2 Src Homology 3 Domain
Masaru Goto	7652	279 (2004) 16518-16525	理研	BL45XU	Crystal Structures of Glutamine:Phenylpyruvate Aminotransferase from <i>Thermus thermophilus</i> HB8: Induced Fit and Substrate Recognition
Mitsuo Kuratani	7694	280 (2005) 16002-16008	理研	BL26B1	Crystal Structure of tRNA Adenosine Deaminase (TadA) from <i>Aquifex aeolicus</i>

Journal of Electron Spectroscopy and Related Phenomena

主著者	研究成果番号	巻、発行年、ページ	理研	ビームライン	タイトル
Tomohiro Matsushita	7588	144-147 (2005) 1175-1177	原研	BL23SU	Three-Dimensional Atomic-Image Reconstruction from a Single Energy Si Photoelectron Hologram
Kazuya Yamamoto	7730	144-147 (2005) 553-555	理研	BL17SU	Temperature-Induced Valence Transition in $\text{EuNi}_2(\text{Si}_{0.20}\text{Ge}_{0.80})_2$ Studied by Hard X-ray Photoemission Spectroscopy
			留保時間	BL47XU	
Kouji Horiba	7733	144-147 (2005) 1027-1030	理研	BL17SU	A High-Resolution Angle-Resolved Photoemission Spectrometer Combined with Laser Molecular-Beam Epitaxy at SPring-8 BL17SU

Physical Review B

主著者	研究成果番号	巻、発行年、ページ		ビームライン	タイトル
Munetaka Taguchi	7499	71 (2005) 155102	理研	BL29XU	Bulk Screening in Core-Level Photoemission from Mott-Hubbard and Charge-Transfer Systems
Masaichiro Mizumaki	7565	71 (2005) 134416	原研	BL23SU	Admixture of Excited States and Ground States of Eu^{3+} Ion in $\text{Eu}_3\text{Fe}_5\text{O}_{12}$ by Means of Magnetic Circular Dichroism

Physical Review Letters

Kenji Ishii	7636	94 (2005) 187002	原研	BL11XU	Mott Gap Excitations in Twin-Free $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ ($T_c=93$ K) Studied by Resonant Inelastic X-Ray Scattering
Kenji Ishii	7716	94 (2005) 207003	原研	BL11XU	Momentum Dependence of Charge Excitations in the Electron-Doped Superconductor $\text{Nd}_{1-x}\text{Ce}_x\text{CuO}_4$: A Resonant Inelastic X-Ray Scattering Study

Biochemistry

Hideyuki Matsunami	6516	43 (2004) 2178-2187	理研	BL44B2	Chemical Rescue of a Site-Specific Mutant of Bacterial Copper Amine Oxidase for Generation of the Topa Quinone Cofactor
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New Journal of Physics

Sumio Ishihara	7717	7 (2005) 119	原研	BL11XU	Theory and Experiment of Orbital Excitations in Correlated Oxides
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Physical Review A

Masaki Oura	6920	70 (2004) 062502	理研	BL17SU	Observation of the $[1s2s](^3^1S)n\ell n'\ell'1^1P$ Inner-Shell Doubly Excited States of Ne by Photoion Yield Spectroscopy
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Review of Scientific Instruments

Takeshi Nakatani	7546	76 (2005) 55105	原研	BL23SU	Scheme for Precise Correction of Orbit Variation Caused by Dipole Error Field of Insertion Device
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