

最近 SPring-8、SACLA または NanoTerasu から発表された成果リスト

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SPring-8、SACLA または NanoTerasu 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、2025年4月～2025年6月に登録されたものを以下に紹介します。論文の情報（主著者、巻、発行年、ページ、タイトル）に加え、データベースの登録番号（研究成果番号）を掲載していますので、詳細は上記検索ページの検索結果画面でご覧いただくことができます。また実施された課題の情報（課題番号、ビームライン、実験責任者名）も掲載しています。課題番号は最初の4文字が「year」、次の1文字が「term」、後ろの4文字が「proposal no.」となっていますので、この情報から以下の URL で公表している、各課題の英文利用報告書 (SPring-8 User Experiment Report) を探してご覧いただくことができます。

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

今後も利用者情報には発行月の2ヶ月前の月末締めで、前号掲載分以降に登録された論文情報を掲載していく予定です。なお、データベースは毎日更新されていますので、最新情報は SPring-8 論文データベース検索ページでご確認ください。なお、実験責任者のかたには、成果が公表されましたら速やかに登録いただきますようお願いいたします。

SPring-8 研究成果登録データベースに2025年4月～6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	12	Scientific Reports	5
Journal of the American Chemical Society	11	Angewandte Chemie International Edition	4
ACS Catalysis	9	Applied Physics Letters	4
Nature Communications	9	Communications Materials	4
ACS Applied Materials & Interfaces	5	Electrochemistry	4
Chemistry of Materials	5	The Journal of Physical Chemistry C	4
Japanese Journal of Applied Physics	5	Journal of Physics: Conference Series	4
The Journal of Physical Chemistry Letters	5	Pediatric Research	4

他全171誌、計313報

(注意) グループ課題として設定されている課題群については、その論文がグループ課題の中の複数の課題の成果である場合でも、代表課題となっている課題番号のみ表示しています。グループ課題に複数のビームラインの課題が含まれる場合、代表課題が複数のビームラインで実施されたように表示されています。

課題の成果として登録された論文

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
48274	Xuan Liang	111 (2025) 094432	2023B1676	BL02B2	山浦 一成	Ca ₂ CuWO ₆ : A Triclinically Distorted Double Perovskite with Low-dimensional Magnetic Behavior
			2024B1825	BL02B2	Belik Alexei	
48297	Daisuke Takegami	111 (2025) 165101	2024A4250	BL12XU	武上 大介	Valence, Charge Transfer, and Orbital-dependent Correlation in Bilayer Nickelates Nd ₃ Ni ₂ O ₇
			2023B4255	BL12XU	武上 大介	
48371	Kazuki Sumida	108 (2023) L241101	2021A3811	BL23SU	藤森 伸一	Role of on-site Coulomb Interactions in the Half-metallic Weyl Ferromagnet Candidate Thin-film Co ₂ FeSi
			2022A3811	BL23SU	藤森 伸一	
48372	Kazuki Sumida	106 (2022) 195421	2021A3811	BL23SU	藤森 伸一	Formation of Monolayer V ₅ Se ₈ from Multilayer VSe ₂ Films via V- and Se-desorption
48443	Taisei Kubo	109 (2024) 104115	2022B1570	BL19B2	片山 尚幸	Metastable Ordered States Induced by Low-temperature Annealing of $\delta - \text{Ag}_{2/3}\text{V}_2\text{O}_5$
			2022B1130	BL04B2	片山 尚幸	
			2023A1110	BL04B2	片山 尚幸	
			2023A1869	BL02B2	片山 尚幸	
48474	Takeo Ohsawa	111 (2025) 165153	2014B4604	BL15XU	大澤 健男	Changes in the Electronic Structure of BaTiO ₃ Due to Ferroelectric Phase Transition Investigated via Polarization-Dependent Hard X-ray Photoemission Spectroscopy
			2015A4603	BL15XU	大澤 健男	
			2015B4604	BL15XU	大澤 健男	
			2016B4603	BL15XU	大澤 健男	
			2019A4602	BL15XU	大澤 健男	
			2019B4603	BL15XU	大澤 健男	
48506	Ikuto Kawasaki	105 (2022) 195122	2020A3811	BL23SU	藤森 伸一	Evolution of the Electronic Structure and Correlations Accompanied by Suppression of Itinerant Ferromagnetism in Sr _{1-x} (La _{0.5} K _{0.5}) _x RuO ₃
48600	Daisuke Takegami	111 (2025) 195155	2024B4261	BL12XU	武上 大介	Experimental Determination of Tetramer Molecular Orbital States in Lacunar Spinel GaNb ₄ Se ₈ via Hard X-ray Photoemission Spectroscopy
48606	Daiki Ootsuki	111 (2025) 235107	2015B1462	BL47XU	吉田 鉄平	Investigating the Insulator-metal Transition in Ca ₂ RuO ₄ via Temperature and Electric Current: Insights from Hard X-ray Photoemission Spectroscopy
			2016A1652	BL47XU	柴田 大輔	
			2016B1695	BL47XU	柴田 大輔	
			2017B1718	BL47XU	柴田 大輔	
			2018A1656	BL09XU	柴田 大輔	
			2018A7571	BL07LSU	吉田 鉄平	
			2018A7572	BL07LSU	吉田 鉄平	
			2018B1692	BL09XU	柴田 大輔	
			2019A1587	BL47XU	吉田 鉄平	
			2019A7598	BL07LSU	吉田 鉄平	
			2019B1467	BL47XU	吉田 鉄平	
			2020A1318	BL47XU	吉田 鉄平	
48612	Yukako Fujishiro	110 (2024) L220401	2023A1438	BL10XU	藤代 有絵子	Pressure-induced Quantum Melting of Chiral Spin Order and Subsequent Transition to a Degenerate Semiconductor State in FeGe
48646	Nathan Giles-Donovan	111 (2025) 224103	2023B1501	BL35XU	Giles-Donovan Nathan	First-order Preemptive Ising-nematic Transition in K ₅ Fe ₄ Ag ₆ Te ₁₀
48728	Tsubasa Ohashi	111 (2025) 224114	2023B1921	BL02B1	小島 慶太	Reexamination of the Charge-ordered Dimer Pattern in the Spinel Compound CuIr ₂ S ₄ using Single-crystal Synchrotron X-ray Diffraction
			2022A1098	BL04B2	片山 尚幸	
			2022B1130	BL04B2	片山 尚幸	
			2023A1110	BL04B2	片山 尚幸	
			2023A1869	BL02B2	片山 尚幸	
			2023B0304	BL02B1	原 武史	
			2023B1114	BL10XU	片山 尚幸	
			2023B1147	BL04B2	片山 尚幸	
			2024A1151	BL10XU	片山 尚幸	
			2024A1704	BL02B1	片山 尚幸	

Journal of the American Chemical Society

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
48309	Sota Oguma	147 (2025) 9098-9102	2023B2549	BL41XU	佐藤 宗太	Helical Sense Control of Metal-Peptide Torus Frameworks Leading to the Folding and Assembly of a Ag ₂₁ L ₁₄ Braided Peptide Nanotube
48335	Shunsuke Kitou	147 (2025) 13642-13648	2022A0304	BL02B1	原 武史	Piezoelectric Transition in a Nonpyroelectric Gyroidal Metal–Organic Framework
48384	Jie Zhang	147 (2025) 12644-12651	2023B1575	BL02B2	Pan Zhao	Realization of Intrinsic Colossal Magnetoresistance in Pb(Pb _{1/3} Hg _{2/3}) ₃ Mn ₄ O ₁₂ : An A Site-Ordered Quadruple Perovskite Oxide
48411	Takeshi Hara	146 (2024) 23825-23830	2019A0070	BL02B1	澤 博	Unveiling the Nature of Chemical Bonds in Real Space
			2022A0304	BL02B1	原 武史	
48481	Jonas Ruby Sandemann	145 (2023) 21053-21065	2014A0078	BL02B1	Iversen Bo	Benchmark Crystal Structure of Defect-Free Spinel ZnFe ₂ O ₄
			2022B0508	BL02B1	Iversen Bo	
			理研	BL44B2		
48519	Po-Hsun Wang	147 (2025) 16084-16098	2022B8038	BL2	山元 淳平	Redox-State-Dependent Structural Changes within a Prokaryotic 6–4 Photolyase
48532	Peipei Xiao	146 (2024) 31969-31981	2023A1738	BL01B1	大須賀 遼太	Revealing Active Sites and Reaction Pathways in Direct Oxidation of Methane over Fe-Containing CHA Zeolites Affected by the Al Arrangement
			2022B1784	BL01B1	西堀 麻衣子	
48553	Qiaoling Fan	146 (2024) 30349-30360	2023B8059	BL3	Schriber Elyse	Nucleophilic Displacement Reactions of Silver-Based Metal–Organic Chalcogenolates
			2024A8043	BL2	Hohman James	
48658	Masaya Fujioka	146 (2024) 34324-34332	2022B3682	BL14B1	藤岡 正弥	Hydrogen-Assisted Mg Intercalation into 2H-TaS ₂
			2023A3682	BL14B1	藤岡 正弥	
48684	Zhu Bing	147 (2025) 11250-11256	2023A3626	BL14B1	Wu Dongshuang	Stabilizing the Unstable: Enhancing OER Durability with 3d-Orbital Transition Metal Multielemental Alloy Nanoparticles by Atomically Dispersed 4d-Orbital Pd for a 100-Fold Extended Lifetime
			2023B3626	BL14B1	Wu Dongshuang	
			2022A1780	BL46XU	Seo Okkyun	
			2022B1601	BL46XU	Seo Okkyun	
			2023A1892	BL46XU	Seo Okkyun	
			2023B1840	BL46XU	Seo Okkyun	
			2023B2053	BL09XU	Wu Dongshuang	
48730	Satoshi Yoshida	147 (2025) 23917-23922	2020A0747	BL45XU	佐藤 宗太	Micro Crystalline Sponge Method Combined with Small-Wedge Synchrotron Crystallography for Nanogram Scale Molecular Structure Elucidation
			2021A1315	BL45XU	佐藤 宗太	
			2021B1517	BL45XU	佐藤 宗太	
			2021B2556	BL41XU	佐藤 宗太	
			2022A1572	BL45XU	佐藤 宗太	
			2022B1320	BL45XU	佐藤 宗太	
			2022B2546	BL41XU	佐藤 宗太	
			2023A1419	BL45XU	佐藤 宗太	
			2023B1367	BL45XU	佐藤 宗太	
			2023B2549	BL41XU	佐藤 宗太	
			2024A1262	BL45XU	佐藤 宗太	
			2024B1448	BL45XU	佐藤 宗太	
			2024B2545	BL41XU	佐藤 宗太	

ACS Catalysis-1

48435	Keita Omura	12 (2022) 11108-11117	2021A2759	BL45XU	杉本 宏	A P450 Harboring Manganese Protoporphyrin IX Generates a Manganese Analogue of Compound I by Activating Dioxygen
48475	Junya Ohyama	15 (2025) 697-705	2024B1225	BL39XU	大山 順也	ABO ₄ as an Active Catalyst Structure for Direct Partial CH ₄ Oxidation as Identified through Screening of Supported Catalysts
48476	Mizuki Sato	15 (2025) 6466-6472	2022B4253	BL12XU	大山 順也	Rh K-Edge High-Energy-Resolution Fluorescence-Detected X-ray Absorption Near-Edge Structure Spectroscopy Reveals Deactivated RhAlO _x Structure in Aged Rh/γ-Al ₂ O ₃ Catalyst
			2022A4256	BL12XU	大山 順也	
			2023A4263	BL12XU	大山 順也	
48477	Zhiqing Feng	14 (2024) 7416-7425	2022A1020	BL39XU	今井 英人	Structural Effects of FeN ₄ Active Sites Surrounded by Fourteen-Membered Ring Ligands on Oxygen Reduction Reaction Activity and Durability

ACS Catalysis-2

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
48497	Masaru Kato	15 (2025) 7710-7719	2021A3736	BL22XU	八木 一三	Electrocatalytic Nitrous Oxide Reduction Reaction at Sn-Modified Pd–Pt Single Crystalline Electrodes in Acidic Media
			2021B3736	BL22XU	八木 一三	
			2022A3736	BL22XU	八木 一三	
			2022B3736	BL22XU	八木 一三	
			2023A3736	BL22XU	八木 一三	
48594	Kohsuke Mori	14 (2024) 18861-18871	2023A1668	BL01B1	森 浩亮	Heterogeneous Tandem Catalysis Strategy for Additive-Free CO ₂ Hydrogenation into Formic Acid in Water: Crystal Plane Effect of Co ₃ O ₄ Cocatalyst
			2023B1805	BL01B1	森 浩亮	
48597	Hiroko Ariga-Miwa	15 (2025) 9856-9869	2018B7801	BL36XU	岩澤 康裕	Cyclic Voltammetry–Synchronized Operando HERFD-XANES and RIXS Analyses of Adsorbed Structures and Bonding States of Active Oxygen Species on Pt Nanoparticle Electrocatalysts in PEFC
			2019A7803	BL36XU	岩澤 康裕	
			2019B7803	BL36XU	岩澤 康裕	
48628	Peipei Xiao	14 (2024) 17434-17444	2022B1784	BL01B1	西堀 麻衣子	Roles of Acidic Proton for Fe-Containing Zeolite in Direct Oxidation of Methane
			2023A1738	BL01B1	大須賀 遼太	
48631	Peipei Xiao	13 (2023) 16168-16178	2022B1784	BL01B1	西堀 麻衣子	One-Pot Synthesized Fe-AEI Zeolite Catalysts Contribute to Direct Oxidation of Methane

Nature Communications

48278	Ziyang Yuan	16 (2025) 3096	2020A1101	BL09XU	Kong Xiangjin	Nuclear Phase Retrieval Spectroscopy using Resonant X-ray Scattering
			2021B1522	BL35XU	Kong Xiangjin	
48410	Xubin Ye	16 (2025) 3746	2023B1575	BL02B2	Pan Zhao	High-temperature Ferrimagnetic Order Triggered Metal-to-Insulator Transition in CaCu ₃ Ni ₂ Os ₂ O ₁₂
			2024A1506	BL02B2	Pan Zhao	
48461	Longjian Xie	16 (2025) 3239	2023A1109	BL04B1	Xie Longjian	Low Melt Viscosity Enables Melt Doublets above the 410-km Discontinuity
			2024A1175	BL04B1	Xie Longjian	
48473	Dan Kozome	15 (2024) 3227	2022A2769	BL45XU	神初 弾	Remote Loop Evolution Reveals a Complex Biological Function for Chitinase Enzymes beyond the Active Site
			2022A2769	BL41XU	神初 弾	
48491	Haoyue Li	16 (2025) 257	2022B0528	BL14B2	Yan Ning	Chemical Looping Synthesis of Amines from N ₂ via Iron Nitride as a Mediator
			2023A1533	BL01B1	Yan Ning	
48555	Basudev Maity	15 (2024) 5518	2019A8052	BL2	岩田 想	Real-time Observation of a Metal Complex-driven Reaction Intermediate using a Porous Protein Crystal and Serial Femtosecond Crystallography
			2019B8029	BL2	岩田 想	
			2019B8053	BL2	上野 隆史	
			2020A8034	BL2	上野 隆史	
			2021B8024	BL2	上野 隆史	
			2022B8005	BL2	上野 隆史	
			2023B8003	BL2	Wang Jiangyun	
			2023B8062	BL2	上野 隆史	
48562	Sharon Berkowicz	15 (2024) 10610	2022B8033	BL3	Perakis Foivos	Supercritical Density Fluctuations and Structural Heterogeneity in Supercooled Water-glycerol Microdroplets
48593	Hyojin Kim	16 (2025) 2697	2022B1807	BL01B1	森 浩亮	Layered Na ₂ Ti ₃ O ₇ -supported Ru Catalyst for Ambient CO ₂ Methanation
			2023A1668	BL01B1	森 浩亮	

ACS Applied Materials & Interfaces

48300	Mohammad Kassem	17 (2025) 17075-17095	2022B1471	BL04B2	Bychkov Evgeny	Atomic Structure, Dynamics, Changes in Chemical Bonding and Semiconductor-Metal Transition in Sb ₂ Se ₃ : A Remarkable Material for Quantum Networks and Energy Applications
			2023B1475	BL04B2	Bychkov Evgeny	
48455	Morino Yusuke	17 (2025) 23786-23794	2024A1048	BL20XU	越谷 直樹	In-Situ Internal Observation of Silicon Composite Anode in All-Solid-State Battery Using X-ray CT
48464	Takehiro Yamada	17 (2025) 25267-25277	2023A1676	BL01B1	桑原 泰隆	Contiguous Mo Species and SMSI Effect in MoO _x Reinforce Catalytic Performance in Reverse Water-Gas Shift Reaction
			2024B1857	BL01B1	桑原 泰隆	
48601	Minori Saito	16 (2024) 67545-67552	2022B1252	BL37XU	井口 翔之	Electro-Epoxidation of Propylene in the Gas Phase with Solid-Polymer-Electrolyte Water Electrolysis
48620	Yusei Matsumura	17 (2025) 20261-20269	2022B1934	BL19B2	高島 義徳	Light Stimuli-Responsive Degradable and Tough Polymeric Materials with Movable Cross-Links
			2023A1329	BL40B2	小西 隆士	
			2023A1286	BL40B2	小西 隆士	
			2023B1407	BL40B2	小西 隆士	

Chemistry of Materials

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
48357	Qiumin Liu	37 (2025) 3305-3310	2022A1312	BL09XU	東 正樹	Colossal Thermal Expansion in Ca-Substituted PbCrO ₃
			2024A1037	BL13XU	東 正樹	
			2024A1549	BL02B2	西久保 匠	
			2024A1798	BL09XU	劉 丘民	
			2024A3693	BL14B1	山本 隆文	
48398	Takeshi Uyama	37 (2025) 3327-3342	2019A7034	BL33XU	野中 敬正	Role of Chloride Ions in the Heat Treatment of β -FeOOH(Cl) Catalysts to Enhance the Oxygen Evolution Reaction Activity
			2023B7038	BL33XU	坂本 直柔	
48424	Duyen K. Tran	34 (2022) 9644-9655	2018A1744	BL46XU	小金澤 智之	Unified Understanding of Molecular Weight Dependence of Electron Transport in Naphthalene Diimide-Based n-Type Semiconducting Polymers
			2018B1772	BL46XU	小金澤 智之	
			2021B1947	BL46XU	小金澤 智之	
			2022A2063	BL19B2	小金澤 智之	
			2022A2069	BL13XU	小金澤 智之	
48545	Toshiki Higashino	36 (2024) 848-859	2021B8018	BL3	米倉 功治	Effects of Thiophene-Fused Isomer on High-Layered Crystallinity in π -Extended and Alkylated Organic Semiconductors
48626	Chunli Han	37 (2025) 1205-1214	2021B1859	BL14B2	西堀 麻衣子	High Oxygen Storage Capacity of Ultrasmall Mn-Doped CeO ₂ Nanoparticles via Enhanced Local Distortion and Mn(II) Lattice Substitution

Japanese Journal of Applied Physics

48304	Shinya Tsukada	62 (2023) 106501	2019A3761	BL22XU	大和田 謙二	Temperature-gradient Investigation of Phase Transitions in Ferroelectrics using Cooling and Heating Stage
48320	Kenji Ohwada	63 (2024) 09SP15	2023B3761	BL22XU	大和田 謙二	Observation of Ferroelectric Domains in BaTiO ₃ by Synchrotron Radiation X-ray Diffraction Topography
			2024A3761	BL22XU	大和田 謙二	
48478	Kayoko Sakaguchi	63 (2024) 08SP14	2022B1598	BL13XU	黒岩 芳弘	Two Types of Cubic Components Coexisting in the Paraelectric Phase of Relaxor Ferroelectric Pb(Mg _{1/3} Nb _{2/3})O ₃ Revealed by Synchrotron Radiation X-ray Diffraction
			2023A1499	BL13XU	黒岩 芳弘	
			2023B1611	BL13XU	黒岩 芳弘	
			2023B1938	BL13XU	黒岩 芳弘	
			2024A1707	BL13XU	黒岩 芳弘	
			2024A1711	BL02B2	Kim Sangwook	
48533	Masaki Nakamura	64 (2025) 055505	2023A3231	BL24XU	住田 弘祐	In situ Formation and Characterization of Oxygen vacancies in SnO ₂ and WO ₃ in Near-ambient Pressure Hard X-ray Photoelectron Spectroscopy
			2023B3231	BL24XU	住田 弘祐	
48622	Tomoyuki Horikawa	64 (2025) 045502	2015B3265	BL24XU	堀川 智之	Analyses of Oxygen Precipitates in CZ-Si by X-ray Diffuse Scattering using Parallel X-ray Beam
			2016A3265	BL24XU	堀川 智之	
			2017B3265	BL24XU	堀川 智之	

The Journal of Physical Chemistry Letters

48512	Hiroyuki S. Kato	15 (2024) 10769-10776	2019A3832	BL23SU	垣内 拓大	Electron Transfer Capability in Atomic Hydrogen Reactions for Imidazole Groups Bound to the Insulating Alkanethiolate Layer on Au(111)
			2019B3801	BL23SU	吉越 章隆	
			2021A3801	BL23SU	吉越 章隆	
			2022A3801	BL23SU	吉越 章隆	
48514	Takuya Kurihara	16 (2025) 4683-4688	2022B1836	BL02B2	栗原 拓也	Determination of Locations and Dynamics of Adsorbed CO ₂ in MIL-53(Al) Using Solid-State Nuclear Magnetic Resonance Analysis and Theoretical Calculations
48575	Isabel Bogacz	16 (2025) 3778-3787	2023B8068	BL3	Yano Junko	X-Ray Absorption Spectroscopy of Dilute Metalloenzymes at X-Ray Free-Electron Lasers in a Shot-by-Shot Mode
48641	Yohei Uemura	16 (2025) 6138-6145	2022A8063	BL3	上村 洋平	Electronic and Structural Relaxation of Photoexcited WO ₃ Observed by Femtosecond Resonant X-ray Emission Spectra
48651	Keke Chai	16 (2025) 5091-5100	2022A1402	BL40B2	真田 雄介	Z-Bonds in Choline Chloride/Water Deep Eutectic Solvent: X-ray/Neutron Scattering and Density Functional Theory Calculations
			2023B1478	BL40B2	真田 雄介	

Scientific Reports

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
48276	Hung-Yu Wu	15 (2025) 7666	2024A4132	BL12B2	Kao Li-Cheng	Potential Geological Risks from Mud Diatremes in the Orogen Regime of Southwestern Taiwan
48440	Julia Kitadokoro	15 (2025) 11876	2021B6700	BL44XU	中川 敦史	Structural Analysis Shows the Mode of Inhibition for <i>Staphylococcus aureus</i> Lipase by Antipsychotic Penfluridol
			2022A6700	BL44XU	中川 敦史	
			2022B6700	BL44XU	中川 敦史	
			2023A6700	BL44XU	中川 敦史	
			2023B6700	BL44XU	中川 敦史	
			2019A6912	BL44XU	北所 健悟	
			2019B6912	BL44XU	北所 健悟	
			2020A6512	BL44XU	北所 健悟	
			2021A6611	BL44XU	北所 健悟	
			2021B6611	BL44XU	北所 健悟	
			2022A6710	BL44XU	北所 健悟	
			2022B6710	BL44XU	北所 健悟	
			2023A6809	BL44XU	北所 健悟	
			2024A6908	BL44XU	北所 健悟	
48458	Ryota Takeda	14 (2024) 22832	2021A2753	BL41XU	竹田 一旗	Structural Characterization of Green Fluorescent Protein in the I-state
			2022B2555	BL41XU	竹田 一旗	
48482	Yajun Li	15 (2025) 8366	2022B1735	BL25SU	片岡 範行	Local-structure Insight into the Improved Superconducting Properties of Pb-substituted La(O, F) BiS ₂ : a Photoelectron Holography Study
			2022A1362	BL25SU	横谷 尚睦	
			2022A3845	BL23SU	横谷 尚睦	
			2021B3845	BL23SU	横谷 尚睦	
			2021B1027	BL25SU	横谷 尚睦	
48508	Keisuke Omosako	15 (2025) 14477	2022B1844	BL14B2	神野 伊策	In-situ XAFS Measurements of Amorphous Li ₃ PO ₄ -doped V ₂ O ₅ Cathode for All-solid-state Thin-film Li-ion Batteries

Angewandte Chemie International Edition

48325	Taito Hashimoto	64 (2025) e202419992	2023A1264	BL40XU	久木 一朗	Single Crystalline, Non-Stoichiometric Hydrogen-Bonded Organic Frameworks Showing Versatile Fluorescence Depending on Composition Ratios and Distributions
			2024A1208	BL40XU	久木 一朗	
			2024B1717	BL40XU	橋本 泰利	
48348	Jiali Wang	63 (2024) e202403333	2024B4126	BL12B2	Tung Ching-wei	Light-Induced Dynamic Activation of Copper/Silicon Interface for Highly Selective Carbon Dioxide Reduction
			2024B4253	BL12XU	Tung Ching-wei	
48460	Min Fey Chek	64 (2025) e202504626	2019A2516	BL41XU	森 智行	Structures of Polyhydroxyalkanoate Synthase PhaC from <i>Aeromonas caviae</i> , Producing Biodegradable Plastics
			2019A6955	BL44XU	森 智行	
			2019B2727	BL41XU	Chek Min Fey	
			2019B6955	BL44XU	森 智行	
			2020A2559	BL45XU	Chek Min Fey	
			2021B2520	BL45XU	Chek Min Fey	
			2022A2721	BL45XU	Chek Min Fey	
			2023B2757	BL45XU	Chek Min Fey	
			2024B2538	BL45XU	Chek Min Fey	
			2018A2503	BL32XU	森 智行	
			2018A2529	BL41XU	村瀬 浩司	
			2018A2540	BL41XU	平野 良憲	
			2018A6855	BL44XU	森 智行	
			2018B6855	BL44XU	森 智行	
			2019A2576	BL45XU	平野 良憲	
48483	Julien Mahin	64 (2025) e202502552	2023A1739	BL01B1	北川 宏	All Iron-Group and Platinum-Group Elements Metal High-Entropy Alloy Nanoparticles
			2022B0509	BL01B1	草田 康平	
			2024A1755	BL13XU	北川 宏	

Applied Physics Letters

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
48378	Kohdai Inagaki	124 (2024) 021602	2022A3841	BL23SU	小林 正起	Allotropic Transition of Dirac Semimetal α -Sn to Superconductor β -Sn Induced by Focused-ion-beam Irradiation
48447	Takuya Minowa	126 (2025) 072103	2024A1797	BL46XU	伊藤 佑太	Evaluation of Bias-dependent Band Structure Changes in Metal-oxide-semiconductor Structures with Varying Doping Concentrations using Laboratory Hard X-ray Photoelectron Spectroscopy
48685	Goro Shibata	126 (2025) 241902	2018A1013	BL09XU	齋藤 智彦	Hard X-ray Photoemission Study of Bulk Single-crystalline InGaZnO ₄
			2018B1049	BL47XU	大川 万里生	
			2018B1025	BL09XU	齋藤 智彦	
			2019A1433	BL47XU	大川 万里生	
			2019B1013	BL09XU	齋藤 智彦	
			2020A1258	BL09XU	齋藤 智彦	
			2020A1008	BL09XU	齋藤 智彦	
			2021A1415	BL47XU	齋藤 智彦	
			2021B1029	BL09XU	齋藤 智彦	
48693	Haruka Matsumoto	126 (2025) 253903	2024B2007	BL02B2	小島 慶太	Cubic ReSTe as a High-performance Thermoelectric Material
			2024A1528	BL13XU	片山 尚幸	

Communications Materials

48275	Mohamed Oudar	6 (2025) 58	2022B4256	BL12XU	武上 大介	Charge-entropy-stabilized Selenide Ag _x Sn _{1-x} Se
			2023A4250	BL12XU	武上 大介	
48280	Yan Chong	6 (2025) 50	2022A1007	BL13XU	辻 伸泰	Mechanistic Origin of Grain Size and Oxygen Interstitial Effects on Strain-induced α'' Martensitic Transformation in Ti-12Mo Alloy
48414	Takeshi Sakai	6 (2025) 68	2018B1380	BL10XU	境 毅	The Equations of State of Nine Materials up to 0.43 TPa for Extreme Pressure Science
			2019B1521	BL37XU	石松 直樹	
			2019B1528	BL37XU	境 毅	
			2020A1510	BL10XU	境 毅	
			2020A1560	BL37XU	境 毅	
			2021A1532	BL10XU	境 毅	
			2021B1549	BL10XU	境 毅	
48613	Takeshi Nakagawa	6 (2025) 98	2022A1566	BL10XU	境 毅	Narrowing Band Gap Chemically and Physically: Conductive Dense Hydrocarbon
			2023A4139	BL12B2	中川 剛志	

Electrochemistry

48615	Yasushi Idemoto	93 (2025) 063005	2023B2051	BL19B2	井手本 康	Cathode Properties, Average and Electronic Structures of α Li ₂ MnO ₃ -(1- α)Li(Mn _{10/24} Ni _{7/24} Co _{7/24})O ₂ in Li-ion Batteries with TiNb ₂ O ₇ Anode
			2024B1607	BL19B2	井手本 康	
			2023A1699	BL19B2	井手本 康	
48636	Aika Takezawa	93 (2025) 067004	2022A1019	BL37XU	今井 英人	Operando X-ray Fluorescence Analysis of Through-plane Cerium Ion Radical Quencher Migration in Polymer Electrolyte Fuel Cells
			2022B1011	BL37XU	今井 英人	
			2022B1197	BL37XU	折笠 有基	
			2023A1012	BL37XU	今井 英人	
			2023B1189	BL37XU	折笠 有基	
			2023B1194	BL37XU	折笠 有基	
			2024A1201	BL37XU	折笠 有基	
			2024A1010	BL37XU	今井 英人	
			2024B1018	BL37XU	今井 英人	
			2024B1231	BL37XU	折笠 有基	
48637	Daisuke Shibata	93 (2025) 063016	2023B1233	BL47XU	折笠 有基	Analysis of Degradation Mechanisms in LiNi _{0.8} Mn _{0.1} Co _{0.1} O ₂ Lithium-ion Battery Cathodes During High-Rate Charge-Discharge Cycling
			2024A1866	BL46XU	折笠 有基	
			2024A1015	BL27SU	折笠 有基	
			2024A1576	BL46XU	折笠 有基	
			2024B1831	BL46XU	折笠 有基	
48643	Naoto Kitamura	93 (2025) 063010	2024B1008	BL20XU	折笠 有基	Effects of Metal Composition and Preparation Process on Negative Electrode Properties and Crystal Structure of Ga-Substituted TiNb ₂ O ₇
			2023A1699	BL19B2	井手本 康	
			2023B1046	BL14B2	正井 博和	
			2023A1216	BL04B2	北村 尚斗	

Journal of Physics: Conference Series

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
48682	Mamoru Kitaura	3029 (2025) 012018	2022B1534	BL25SU	北浦 守	Local Structure Analyses of Oxygen Impurities and Vacancy-type Defects in Oxygen Doped CrN Epitaxial Films
			2022A1008	BL01B1	正井 博和	
48706	Seiki Baba	3010 (2025) 012082	2019A2548	BL45XU	馬場 清喜	Upgrade for Non-cryogenic Crystallography of MX Beamline BL41XU at SPring-8
			2020A2041	BL45XU	馬場 清喜	
			2020A2082	BL45XU	馬場 清喜	
			2020A2525	BL26B1	馬場 清喜	
			2021B2102	BL45XU	馬場 清喜	
			2021B2528	BL26B1	馬場 清喜	
			2022B2104	BL41XU	馬場 清喜	
			2022B2540	BL41XU	馬場 清喜	
			2023B2522	BL41XU	馬場 清喜	
			2021A2725	BL41XU	長谷川 和也	
			2021B2105	BL41XU	長谷川 和也	
			2022A2745	BL41XU	長谷川 和也	
			2021A1004	BL41XU	山本 雅貴	
			2021B1002	BL41XU	山本 雅貴	
			2022B1028	BL41XU	山本 雅貴	
			2023A0205	BL41XU	山本 雅貴	
			2024A0211	BL41XU	山本 雅貴	
48707	Nobuhiro Mizuno	3010 (2025) 012090	2022A2752	BL41XU	奥村 英夫	Beamline Alignment Software BOSS (Beamline Operation Scheduling Software) for Structural Biology Beamlines at SPring-8
			2023A2741	BL41XU	奥村 英夫	
			2024A2749	BL41XU	矢野 直峰	
			2018B2090	BL41XU	水野 伸宏	
			2019A2072	BL41XU	水野 伸宏	
			2019B2096	BL41XU	水野 伸宏	
			2019B2097	BL45XU	水野 伸宏	
			2020A2030	BL45XU	水野 伸宏	
			2020A2586	BL45XU	水野 伸宏	
			2021A2082	BL45XU	水野 伸宏	
			2022A2079	BL45XU	水野 伸宏	
			2022B2117	BL45XU	水野 伸宏	
			2022B1027	BL45XU	山本 雅貴	
48710	Masaki Yamamoto	3010 (2025) 012123	2022B1028	BL41XU	山本 雅貴	Beamline Automation Opens up Cutting Edges of Macromolecular Crystallography
			2023A0205	BL41XU	山本 雅貴	
			2024A0211	BL41XU	山本 雅貴	
			2022B1027	BL45XU	山本 雅貴	

Journal of The Electrochemical Society

48293	Kazuma Shinozaki	172 (2025) 024505	2021B7040	BL33XU	北野 直紀	In Situ 2D-XAS Imaging and Modeling Analysis of Cerium Migration in Proton Exchange Membrane Fuel Cells
			2022A7040	BL33XU	北野 直紀	
			2021A7040	BL33XU	北野 直紀	
48587	Ikkei Ban	172 (2025) 054505	2023B1599	BL19B2	渡部 弘達	Operando X-Ray Diffraction Analysis and DFT Calculations of Ni Cathode Oxidation during Electrochemical CO ₂ Reduction
			2024B1674	BL19B2	渡部 弘達	
48639	Yuya Sakka	171 (2024) 070536	2021A1005	BL20XU	折笠 有基	Investigating Plastic Deformation Between Silicon and Solid Electrolyte in All-Solid-State Batteries Using Operando X-ray Tomography
			2021A1539	BL20XU	山重 寿夫	
			2021B1053	BL20XU	山重 寿夫	
			2021B1724	BL20XU	折笠 有基	
			2022A1047	BL20XU	山重 寿夫	
			2022B1201	BL20XU	折笠 有基	
48733	Yumi Katasho	172 (2025) 062505	2022B1082	BL20XU	山重 寿夫	In Situ X-ray Diffraction/Fluorescence and Crystal Orientation Analysis for Nd–Ni Electrochemical Alloying and Dealloying in Molten Salt
			2021B1384	BL28B2	片所 優宇美	
			2023A1471	BL28B2	片所 優宇美	

Pediatric Research

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
48526	Lauren Hadley	95 (2024) 660-667	2018A0150	BL20B2	Hooper Stuart	Sustained Inflation Improves Initial Lung Aeration in Newborn Rabbits with a Diaphragmatic Hernia
			2016A0132	BL20B2	Hooper Stuart	
48527	Kristel L. A. M. Kuypers	97 (2025) 723-728	2009A0022	BL20B2	Lewis Robert	Slowing Lung Deflation by Increasing the Expiratory Resistance Enhances FRC in Preterm Rabbits
48528	Sophie J. E. Cramer	96 (2024) 325-331	2018A0150	BL20B2	Hooper Stuart	The Effect of Vibrotactile Stimulation on Hypoxia-induced Irregular Breathing and Apnea in Preterm Rabbits
			2016A0132	BL46XU	Hooper Stuart	
48530	Ebony R. Cannata	(2025) Online published 18 Jan. 2025	2018A0150	BL20B2	Hooper Stuart	Optimising CPAP and Oxygen Levels to Support Spontaneous Breathing in Ppreterm Rabbits

Applied Surface Science

48504	Koki Hayashida	669 (2024) 160475	2023B3801	BL23SU	吉越 章隆	Dissociative Adsorption of Supersonic CH ₃ Cl on Cu Oxide Surfaces: Cu ₂ O(111) and Bulk Cu ₂ O Precursor "29"-Structure on Cu(111)
			2023A3801	BL23SU	吉越 章隆	
			2022B3801	BL23SU	吉越 章隆	
			2022A3801	BL23SU	吉越 章隆	
			2021B3801	BL23SU	吉越 章隆	
			2021A3801	BL23SU	吉越 章隆	
			2020A3801	BL23SU	吉越 章隆	
			2019B3801	BL23SU	吉越 章隆	
			2019A3801	BL23SU	吉越 章隆	
			2018B3801	BL23SU	吉越 章隆	
			2018A3801	BL23SU	吉越 章隆	
			2017B3801	BL23SU	吉越 章隆	
48510	Takamasa Makino	642 (2024) 158568	2017A3801	BL23SU	吉越 章隆	CH ₃ Cl Dissociation, CH ₃ Abstraction, and Cl Adsorption from the Dissociative Scattering of Supersonic CH ₃ Cl on Cu(111) and Cu(410)
			2017B3801	BL23SU	吉越 章隆	
			2018A3801	BL23SU	吉越 章隆	
			2018A3831	BL23SU	岡田 美智雄	
			2018B3801	BL23SU	吉越 章隆	
			2018B3831	BL23SU	岡田 美智雄	
			2019A3801	BL23SU	吉越 章隆	
			2019A3831	BL23SU	岡田 美智雄	
			2019B3801	BL23SU	吉越 章隆	
			2020A3801	BL23SU	吉越 章隆	
			2021A3801	BL23SU	吉越 章隆	
			2021B3801	BL23SU	吉越 章隆	
48586	Hiroshi Shinotsuka	685 (2025) 162001	2012A3808	BL23SU	小川 修一	Bayesian Estimation Analysis of X-ray Photoelectron Spectra: Application to Si 2p Spectrum Analysis of Oxidized Silicon Surfaces

Biochemical and Biophysical Research Communications

48319	Yuichiro Takekawa	761 (2025) 151737	2024A2726	BL45XU	尾瀬 農之	Chain-length Preference of Trans-acting Enoylreductases Involved in the Biosynthesis of Fungal Polyhydroxy Polyketides
48415	Rara Fukui	758 (2025) 151655	2021A2750	BL45XU	入江 一浩	Identification of the Binding Site and Immunoreactivity of Anti-A β Antibody 11A1: Comparison with the Toxic Conformation-specific TxCo-1 Antibody
48469	Ryosuke Nakamura	754 (2025) 151497	2022B6734	BL44XU	藤城 貴史	Visualizing Thiazolidine Ring Formation in the Reaction of D-cysteine and Pyridoxal-5'-phosphate within L-cysteine Desulfurase SufS
			2021A6639	BL44XU	藤城 貴史	
			2020A6545	BL44XU	藤城 貴史	
			2019A6945	BL44XU	藤城 貴史	

bioRxiv

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
48290	Yoshihiko Furuike	(2024) 584087	2021B6602	BL44XU	古池 美彦	The Priming Phosphorylation of KaiC is Activated by the Release of its Autokinase Autoinhibition
			2023B6842	BL44XU	古池 美彦	
			2024B6930	BL44XU	古池 美彦	
48291	Atsushi Mukaiyama	(2024) 604570	2021B6602	BL44XU	古池 美彦	Evolutionary Origins of Self-sustained Kai Protein Circadian Oscillators
			2023B6842	BL44XU	古池 美彦	
			2024B6930	BL44XU	古池 美彦	
48691	Saacnicteh Toledo-Patiño	(2022) 491946	2021B2562	BL41XU	落合 佳樹	Insertions and Deletions Mediated Functional Divergence of Rossmann Fold Enzymes
			2021A2735	BL32XU	Toledo Patino Saacnicteh	
			2021B2524	BL32XU	Toledo Patino Saacnicteh	

Chemical Communications

48577	Peiyuan Yang	61 (2025) 7847-7850	2024A1851	BL02B1	吾郷 友宏	Dicationic Dibenzo[1,4]azaborine with an Open-shell Electronic Structure
			2024A1857	BL02B1	中村 貴志	
48638	Tatsumi Suzuki	61 (2025) 2953-2956	2024A1576	BL46XU	折笠 有基	Enhanced Charge Transfer Kinetics at the Electrode/Electrolyte Interface in Acetonitrile Solvent for Lithium-ion Battery Cathodes
			2024A1866	BL46XU	折笠 有基	
48649	Shu Ashimura	61 (2025) 6775-6778	2024B1694	BL01B1	吉田 真明	<i>In situ</i> SEIRAS Analysis of Enhanced Photocatalytic Carrier Transfer to a Pt Cocatalyst Induced by Sacrificial Reagents
			2023B1636	BL01B1	吉田 真明	

Inorganic Chemistry

48323	Pingping Huang	62 (2023) 1135-1140	2021B1233	BL02B1	吉田 幸大	Isomerization-Controlled Proton–Electron Coupling in a π -Planar Metal Complex
48448	Shion Tsujimura	64 (2025) 5755-5763	2024A1730	BL02B1	秋吉 亮平	Chirality and Polarity Modulation in Semiconductive Zinc(II) Coordination Polymers Containing Thiolate-Based Ligands
			2023A1528	BL02B1	田中 大輔	
			2023B1612	BL02B1	秋吉 亮平	
			2023B1861	BL02B1	田中 大輔	
			2023B2015	BL02B1	田中 大輔	
			2024B1281	BL04B2	田中 大輔	
			2024A1222	BL04B2	田中 大輔	
48729	Xuan Liang	64 (2025) 10467-10477	2023B1676	BL02B2	山浦 一成	Negative Magnetization Phenomena in A-Site Columnar-Ordered Quadruple Perovskites $\text{Ce}_2\text{MnM}(\text{Mn}_2\text{Sb}_2)\text{O}_{12}$ with $\text{M} = \text{Mn}$ and Zn

Journal of Materials Chemistry C

48422	Q. Eynaud	11 (2023) 9657-9669	2021B1947	BL46XU	小金澤 智之	Towards Efficient NFA-based Selective Near-infrared Organic Photodetectors: Impact of Thermal Annealing of Polymer Blends
			2022A2069	BL13XU	小金澤 智之	
			2022A2063	BL19B2	小金澤 智之	
48425	Y. A. Quiroz Avalos	12 (2024) 4130-4141	2021B1947	BL46XU	小金澤 智之	Insights into the Relationship between Molecular and Order-dependent Photostability of ITIC Derivatives for the Production of Photochemically Stable Blends
			2022A2069	BL13XU	小金澤 智之	
			2022A2063	BL19B2	小金澤 智之	
48484	Thomas Bjørn Egede Grønbech	11 (2023) 12922-12932	2022B0508	BL02B1	Iversen Bo	Elucidating the Superexchange Mechanisms in Magnetic Coordination Polymer $[\text{Co}(\text{HCOO})_2(\text{H}_2\text{O})_2]_\infty$ through Chemical Bonding Analysis

The Journal of Physical Chemistry C

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
48486	Taiki Uno	128 (2024) 11802-11816	2022B1156	BL04B2	大窪 貴洋	Understanding the Carbonation Phenomenon of C-S-H through Layer Structure Changes and Water Exchange
48660	Toyoto Sato	129 (2025) 2865-2873	2021B3694	BL14B1	佐藤 豊人	Synthesis, Crystal Structure, and Hydrogen Storage Properties of an AB ₃ -Based Alloy Synthesized by Disproportionation Reactions of AB ₂ -Based Alloys
			2022A3694	BL14B1	佐藤 豊人	
			2022B3694	BL14B1	佐藤 豊人	
48705	Miki Yamamoto	129 (2025) 11831-11837	2019A7616	BL28XU	安部 武志	Changes in Structure and Valence of Iron-Based Positive Electrodes in All-Solid-State Fluoride Batteries
			2019B7616	BL28XU	安部 武志	
			2020A7616	BL28XU	安部 武志	
			2021B7618	BL28XU	安部 武志	

Journal of the Physical Society of Japan

48489	Fuki Sato	93 (2024) 093601	2022B1260	BL10XU	青山 拓也	Structural and Electronic Properties of RuX ₃ (X = Br and I) under High Pressure
48599	Katsuya Shimizu	89 (2020) 051005	2018B1677	BL10XU	中尾 敏臣	Investigation of Superconductivity in Hydrogen-rich Systems
48681	Shigenori Ueda	94 (2025) 074703	2019B4606	BL15XU	上田 茂典	Polarization-dependent Bulk-sensitive Valence Band Photoemission Spectroscopy and Density Functional Theory Calculations: Part IV. 4f Rare-earths

Macromolecules

48513	Xueyu Li	58 (2025) 2984-2995	2022B1589	BL19B2	黒川 孝幸	Mechanical Performance of Polyampholyte Hydrogels Influenced by Ionic Bond Strength under Isochoric Conditions
48650	Kenji Sakanaya	58 (2025) 5456-5464	2021A1419	BL40B2	真田 雄介	Hydrophobic Collapse of a Poly(ethylene Oxide)-Poly(propylene Oxide) Alternating Multiblock Copolymer in Water
48713	Shota Usukawa	58 (2025) 5738-5746	2022B1235	BL40B2	鈴木 祥仁	Exceptionally High Melting Temperature of Polymer Crystal with Fully Extended Chains Prepared via Topochemical Polymerization and Its Analysis Based on Nonlinear Modified Hoffman-Weeks Approach
			2024A1328	BL40B2	鈴木 祥仁	
			2024B1415	BL40B2	鈴木 祥仁	

Molecules

48388	Shinnosuke Usuda	30 (2025) 1361	2022A1200	BL02B1	箕浦 真生	A Disila[2]ferrocenophane with a Bridging 9,9'-Bi-9 <i>H</i> -9-Silafluorene Moiety
			2022A1354	BL02B1	村田 理尚	
			2022A1584	BL02B1	森迫 祥吾	
			2022A1705	BL02B1	成田 皓樹	
			2022B0552	BL02B1	村田 理尚	
			2022B0589	BL02B1	森迫 祥吾	
			2022B1626	BL02B1	村田 理尚	
			2023A1539	BL02B1	森 達哉	
			2023A1771	BL02B1	菅又 功	
			2023A1785	BL02B1	森 達哉	
			2023A1794	BL02B1	高橋 聡史	
			2023A1859	BL02B1	村田 理尚	
			2023A1925	BL02B1	菅又 功	
			2023B1675	BL02B1	菅又 功	
			2023B1806	BL02B1	村田 理尚	
			2023B1878	BL02B1	菅又 功	
			2024A1633	BL02B1	高橋 聡史	
			2024A1699	BL02B1	森 達哉	
			2024A1851	BL02B1	吾郷 友宏	
			2024A1857	BL02B1	中村 貴志	
			2024B2033	BL02B1	薄葉 純一	
48446	Satomi Inaba-Inoue	30 (2025) 1793	2018A1051	BL40B2	稲葉 理美	Plasticity and Co-Factor-Dependent Structural Changes in the RecA Nucleoprotein Filament Studied by Small-Angle X-Ray Scattering (SAXS) Measurements and Molecular Modeling
			2018B1051	BL40B2	稲葉 理美	
			2019A2024	BL40B2	稲葉 理美	
48471	Alexei A. Belik	30 (2025) 1749	2024B1825	BL02B2	Belik Alexei	A Site-Ordered Quadruple Perovskites, RMn ₃ Ni ₂ Mn ₂ O ₁₂ with R = Bi, Ce, and Ho, with Different Degrees of B Site Ordering

Physical Review Materials

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
48279	Susumu Hirata	9 (2025) 025002	2024A1876	BL09XU	前里 光彦	Efficient Electron Doping into KTaO_3 by Hydrogen Ion Beam
48377	Kazuaki Iwasa	7 (2023) 014201	2018B3811	BL23SU	藤森 伸一	Weyl-Kondo Semimetal Behavior in the Chiral Structure Phase of $\text{Ce}_3\text{Rh}_4\text{Sn}_{13}$
48480	Kristoffer Andreas Holm Støckler	8 (2024) 034409	2014A0078	BL02B1	Iversen Bo	Models of Polaron Fluctuations in LuFe_2O_4
			2019A0159	BL02B1	西堀 英治	

Polymer

48397	Yuki Matsumoto	327 (2025) 128417	2023A1111	BL40B2	寺尾 憲	Dimensional and Conformational Properties of Pullulan Tris(alkylcarbamate)s in Tetrahydrofuran
			2023A1112	BL40B2	寺尾 憲	
			2024B1209	BL40B2	高橋 倫太郎	
48581	Ayaka Takazawa	313 (2024) 127683	2022B1731	BL40XU	高澤 彩香	Oriented Crystalline Structure in Melt-drawn Ultrahigh-molecular-weight Polyethylene Induced by Entanglement Networks
			2021B1263	BL40XU	上原 宏樹	
48584	Ryohei Fuse	332 (2025) 128558	2021B1746	BL19B2	富澤 鍊	<i>In situ</i> Analysis of Hierarchal Structure Changes to the Tensile Breakage of Poly(ethylene terephthalate) Fiber
			2021B1868	BL19B2	富澤 鍊	
			2022B1580	BL19B2	富澤 鍊	
			2023A1847	BL19B2	富澤 鍊	
			2023B7261	BL03XU	中田 克	

Science Advances

48332	Noriyuki Isobe	11 (2025) eads2426	2021B1682	BL40B2	磯部 紀之	Fully Circular Shapable Transparent Paperboard with Closed-loop Recyclability and Marine Biodegradability across Shallow to Deep Sea
48521	Manuel Maestre-Reyna	11 (2025) eadu7247	2023A8024	BL2	山元 淳平	Capturing Structural Intermediates in an Animal-like Cryptochrome Photoreceptor by Time-resolved Crystallography
			2021B8051	BL2	別所 義隆	
			2021A8035	BL2	別所 義隆	
			2020A8055	BL2	別所 義隆	
			2019A8014	BL2	別所 義隆	
			2018B8031	BL2	別所 義隆	
48603	Xiaokang Feng	11 (2025) eads3139	2021A8642	BL3	Yang Wenge	Nanosecond Structural Evolution in Shocked Coesite
			2021A8017	BL3	尾崎 典雅	

Acta Materialia

48385	Gustavo Alberto Rosales-Sosa	292 (2025) 120973	2019B1364	BL04B1	山田 明寛	Indentation Stress Fields in Brittle Materials: A Micro-photoelastic Investigation in Silicate Glasses
			2021B1368	BL04B1	山田 明寛	
48420	Hiroshi Akamine	292 (2025) 121054	2020A1197	BL02B1	赤嶺 大志	Successive Stress-induced Phase Transformations with Large Stress-strain Hysteresis in Single Crystal Cu-Al-Mn Shape Memory Alloys
			2021B1270	BL02B1	赤嶺 大志	
			2021B3740	BL22XU	赤嶺 大志	

Advanced Materials

48316	Ziheng Gao	(2025) Online published 27 Mar. 2025	2023B1376	BL44B2	Zhang Jiawei	Tunable Vacancy Order and Emergent Functionalities in Half-Heusler Crystals
48349	You-Chiuan Chu	36 (2024) 2400640	2024B4126	BL12B2	Tung Ching-wei	Dynamic (Sub)surface-Oxygen Enables Highly Efficient Carbonyl-Coupling for Electrochemical Carbon Dioxide Reduction
			2024B4253	BL12XU	Tung Ching-wei	

Applied Catalysis 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
48450	Lingcong Li	339 (2023) 123151	2022A1827	BL14B2	宮崎 眞太	Continuous Direct Air Capture and Methanation using Combined System of Membrane-based CO ₂ Capture and Ni-Ca Based Dual Functional Materials
48644	Qi-An Huang	373 (2025) 125351	2021A1543	BL14B2	石田 玉青	Active and Stable Au/ZrO ₂ Catalysts for Isomerization of Allylic Esters: A Practical Application of Heterogeneous Gold Catalysis
			2021B1949	BL14B2	村山 美乃	

Asian Journal of Organic Chemistry

48328	Yuzuru Kanetada	14 (2025) e202500288	2024A1208	BL40XU	久木 一朗	Hydrogen-Bonded Framework with Low-Density Hexagonal Network Structure Formed by Diethynylterphenyl-Bridged Macrocyclic Hexacarboxylic Acid
			2024B1142	BL41XU	佐々木 俊之	
48419	Tetsuo Okujima	14 (2025) e202500342	2015B1234	BL38B1	佐々木 俊之	Synthesis of [34]Octaphyrin(1.0.1.0.1.0.1.0)

Biophysics and Physicobiology

48292	Yoshihiko Furuike	21 (2024) e210001	2021B6602	BL44XU	古池 美彦	Structure-function Relationship of KaiC around Dawn
			2023B6842	BL44XU	古池 美彦	
			2024B6930	BL44XU	古池 美彦	
48598	Fumiya Kondo	22 (2025) e220009	2022B2529	BL38B1	織田 昌幸	Structure-activity Relationship of PET-degrading Cutinase Regulated by Weak Ca ²⁺ Binding and Temperature
			2023B2524	BL38B1	織田 昌幸	
			2023A2728	BL38B1	織田 昌幸	

Cellulose

48633	Soichi Tanaka	32 (2025) 5989-6001	2023B1470	BL40B2	田中 聡一	Uniform Silver Nanoparticles Synthesized on the Surface of the TEMPO-oxidized Cellulose Nanofibers
			2024B1389	BL40B2	田中 聡一	
48642	Yangyang Zhang	32 (2025) 2337-2351	2023B1402	BL40B2	小林 加代子	Comparative Analysis of the Structures and Properties of Cellulose Hydrogels Prepared using Different Solvent Systems

Chemical Engineering Journal

48277	Xinhang Cai	509 (2025) 161388	2023A1825	BL02B2	柴山 直之	Bilateral Energy Level Tuning for Efficient Inverted Perovskite Solar Cells
			2024A1567	BL19B2	柴山 直之	
48451	Lingcong Li	477 (2023) 147199	2022A1827	BL14B2	宮崎 眞太	Rb-Ni/Al ₂ O ₃ as Dual Functional Material for Continuous CO ₂ Capture and Selective Hydrogenation to CO

Chemical Science

48329	Mitsuo Shoji	13 (2022) 10923-10938	2021B6606	BL44XU	岡島 俊英	Molecular Mechanism of a Large Conformational Change of the Quinone Cofactor in the Semiquinone Intermediate of Bacterial Copper Amine Oxidase
			2020A6507	BL44XU	岡島 俊英	
			2007B6904	BL44XU	岡島 俊英	
			2007A6904	BL44XU	岡島 俊英	
			2006B6809	BL44XU	岡島 俊英	
48390	Akihiro Nomoto	15 (2024) 20509-20514	2006A6809	BL44XU	岡島 俊英	Bis(methylene)- λ ⁵ -phosphane Anions
			2023A1539	BL02B1	森 達哉	
			2023A1771	BL02B1	菅又 功	
			2023A1785	BL02B1	森 達哉	
			2023A1794	BL02B1	高橋 聡史	
			2023A1859	BL02B1	村田 理尚	
			2023A1925	BL02B1	菅又 功	
			2023B1675	BL02B1	菅又 功	
			2023B1806	BL02B1	村田 理尚	
			2023B1878	BL02B1	菅又 功	
			2024A1857	BL02B1	中村 貴志	

Chemistry - A European 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
48596	Gissi Novientri	31 (2025) e202404736	2022B2525	BL45XU	廣田 俊	Construction of a Cyclic Regular-Triangle Trimer of Cytochrome c_{555} with a Central Hole Using Sortase A
			2023B2523	BL45XU	廣田 俊	
48632	Ryohei Akiyoshi	30 (2024) e202400618	2022B1584	BL02B2	田中 大輔	Polymorphism of Two-Dimensional Semiconducting Coordination Polymers: Impact of a Lead-Sulfur Network on Photoconductivity
			2023A1528	BL02B1	田中 大輔	
			2023B1622	BL02B2	田中 大輔	

Chemistry Letters

48324	Yuto Ohmura	53 (2024) upae140	2023A1264	BL40XU	久木 一朗	Synthesis, Solid-state Structures, and Properties of Linear and Tripodal Flexible Molecules with Pyrazinopyrazine Moieties
			2023B1142	BL40XU	久木 一朗	
48655	Mina Tanigawa	53 (2024) upae211	2022A1123	BL40B2	櫻木 美菜	Highly Efficient Transdermal Delivery of Rutin via Microemulsions Containing Deep Eutectic Solvents Composed of Choline Chloride-polyethylene Glycol
			2022B1196	BL40XU	櫻木 美菜	

Dalton Transactions

48389	Togo Anzai	54 (2025) 1360-1364	2023A1539	BL02B1	森 達哉	Monomeric Tri-coordinated Bis(ferrocenyl)haloalumanes
			2023A1771	BL02B1	菅又 功	
			2023A1785	BL02B1	森 達哉	
			2023A1794	BL02B1	高橋 聡史	
			2023A1859	BL02B1	村田 理尚	
			2023A1925	BL02B1	菅又 功	
			2023B1806	BL02B1	村田 理尚	
			2023B1878	BL02B1	菅又 功	
			2023B1675	BL02B1	菅又 功	
48394	Yusuke Kataoka	54 (2025) 3047-3056	2024A1857	BL02B1	中村 貴志	Paddlewheel-type and Half-paddlewheel-type Diruthenium(II,II) Complexes with 1,8-naphthyridine-2-carboxylate
			2022B1647	BL02B1	片岡 祐介	
			2023A1741	BL02B1	片岡 祐介	
			2023B1829	BL02B1	片岡 祐介	
			2024A1713	BL02B1	片岡 祐介	

e-Journal of Surface Science and Nanotechnology

48472	Akitaka Yoshigoe	23 (2025) 16-21	2018B1189	BL17SU	吉越 章隆	Synchrotron Radiation Photoemission Electron Microscopy Study on Radioactive Cesium-bearing Microparticle Collected in Fukushima
			2022A3731	BL17SU	小島 雅明	
			2022B3731	BL22XU	小島 雅明	
48501	Junichiro Kamiya	22 (2024) 316-326	2022B3801	BL23SU	吉越 章隆	SRPES and XPS Analysis of Activation and Deterioration Processes for Ti-Zr-V NEG Coating
			2023A3801	BL23SU	吉越 章隆	
			2023B3801	BL23SU	吉越 章隆	
			2024A3801	BL23SU	吉越 章隆	

ISIJ International

48610	Mitsuharu Yonemura	65 (2025) 1192-1200	2019B8004	BL3	米村 光治	Dislocation Density and Reverse Transformation Kinetics in Martensitic Steel Under Cyclic Ultrafast Heating and Cooling
			2020A8001	BL3	米村 光治	
48662	Tomohiko Hojo	65 (2025) 284-296	2018B3681	BL14B1	北條 智彦	Stress and Plastic Strain Partitioning Behaviors and Those Contributions to Martensitic Transformation of Retained Austenite in Medium Manganese and Transformation-Induced Plasticity-Aided Bainitic Ferrite Steels
			2020A3681	BL14B1	北條 智彦	
			2021B3681	BL14B1	北條 智彦	

Journal of Applied Crystallography

48616	Mizuki Kishimoto	58 (2025) 879-885	2017A7215	BL03XU	三田 一樹	Strain-induced Density Fluctuations in Linear Low-density Polyethylene
			2017B7267	BL03XU	三田 一樹	
			2018A7217	BL03XU	内田 公典	
			2018B7267	BL03XU	内田 公典	
			2019A7215	BL03XU	内田 公典	
			2019B7264	BL03XU	内田 公典	
48618	Masato Arakawa	58 (2025) 886-896	2022B7263	BL03XU	内田 公典	Differences in Hierarchical Structural Changes between Unoriented P(3HB) and P(3HB-co-3HH) under Stretching
			2023A7214	BL03XU	内田 公典	
			2023B7263	BL03XU	内田 公典	

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
48578	Tomoki Nagase	137 (2025) 055702	2018A3584	BL11XU	荒木 努	Misfit Accommodation in a Single Interface Atomic Layer at a Highly Lattice-mismatched InN/GaN
			2019A3586	BL11XU	荒木 努	
			2017A3588	BL11XU	荒木 努	
48608	Ryotaro Nakazawa	135 (2024) 085301	2020A1824	BL46XU	東海林 弘	Reliable Measurement of the Density of States Including Occupied in-gap States of an Amorphous In–Ga–Zn–O Thin Film via Photoemission Spectroscopies: Direct Observation of Light-induced in-gap States

Journal of Materials Chemistry A

48417	Ching Kit Tommy Wun	12 (2024) 25442-25448	2018A1253	BL44B2	Tang Chiu	Investigating Synergistic Cooperativity of Metal-Brønsted Acid Site Pair in MFI-type Zeolites by Synchrotron X-ray Powder Diffraction
			2022B0545	BL02B2	Lo Benedict	
			2023B1665	BL01B1	Lo Benedict	
			2023B1666	BL13XU	Lo Benedict	
48635	Kenji Arai	13 (2025) 21472-21479	2019B1776	BL02B2	新井 健司	Thermally Stable Proton-conducting Oxyhydroxides Synthesized in Concentrated Water Vapor

Journal of Materials Research and Technology

48535	Dongdong Xu	35 (2025) 4779-4791	2021A3740	BL22XU	魏 代修	Heterogeneous Nucleation of Ni ₃ Ti by Mo-enriched Particles Enhances Strength and Fracture Toughness of Maraging Steel
48549	Lu Cao	36 (2025) 272-283	2023B1117	BL08W	Jiang Haoran	Effect of Quenching Temperature on the Structure and Properties of Cu-Zr-Al Glassy Ribbons

Journal of Physics: Condensed Matter

48299	Abulikemu Aierxiding	37 (2025) 185201	2022B1284	BL08W	桜井 浩	Investigation of First-cycle Voltage Hysteresis in Li-rich Cathode Materials by Magnetic Compton Scattering Experiments
			2023A1656	BL02B2	内本 喜晴	
			2023B1466	BL08W	桜井 浩	
48699	D. A. Kukusta	37 (2025) 255501	2016A3552	BL11XU	石井 賢司	Electronic Structure and Resonant Inelastic X-ray Scattering in Ta ₂ NiSe ₅
			2016B3552	BL11XU	石井 賢司	

Journal of the American Ceramic Society

48494	Abudushalamu Aiji	105 (2022) 6924-6937	2021A1118	BL13XU	Geng Guoqing	Micro X-ray Diffraction and Elemental Study on Al-tobermorite Formation in Aged Modern Concrete
48704	Shingo Taniguchi	108 (2025) e70040	2023B1116	BL04B2	山田 明寛	Synthesis and Structure of Anisotropic Borosilicate Glasses under Differential Stress at High Pressure and Temperature

Journal of the Ceramic Society of Japan

48605	Mamoru Kitaura	(2025) Online published May 23, 2025	2023A1287	BL39XU	北浦 守	Effect of Zn Doping on p-type Conduction of γ -CuI Studied by X-ray Fluorescence Holography and Positron Annihilation Spectroscopy
			2024A1092	BL25SU	北浦 守	
48634	Kengo Oka	133 (2025) 246-249	2022B1830	BL02B2	岡 研吾	Rapid Fluorination using Polyvinylidene-difluoride (PVDF) for the Synthesis of Oxyfluoride Bi ₂ VO ₅ F _{1-x}

Nano Letters

48507	Yue Wang	22 (2022) 9964-9971	2020A3842	BL23SU	和達 大樹	Layer-Number-Independent Two-Dimensional Ferromagnetism in Cr ₃ Te ₄
48689	Ziyan Liu	25 (2025) 6218-6226	2024B1697	BL19B2	柴山 直之	Nickel Chlorophyll-Derived Hole Transport Materials for Stable and Efficient Inverted Perovskite Solar Cells
			2024A1567	BL19B2	柴山 直之	
			2024B1916	BL19B2	柴山 直之	

Organic & Biomolecular Chemistry

48579	Kazusa Kuyama	23 (2025) 4927-4933	2024A1194	BL26B1	棚谷 綾	An Aromatic Layered Foldamer Based on a (<i>cis</i> , <i>cis</i>)-Squaramide: Chiral Induction and Absolute Structure
48702	Katsumasa Sakoda	23 (2025) 2638-2644	2024B1602	BL01B1	山口 渉	Reductive Amination of Triglycerides to Fatty Amines over a Titanium Oxide-supported Pt–Mo Catalyst

Physics of the Earth and Planetary Interiors

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
48358	Kenji Ohta	363 (2025) 107351	2017A0072	BL10XU	廣瀬 敬	Electrical and Thermal Conductivities of Fe–Ni–Si Alloy under Core Conditions: A Reevaluation
			2021B0181	BL10XU	廣瀬 敬	
			2023B1280	BL10XU	太田 健二	
			2024A1244	BL10XU	太田 健二	
48688	Bunrin Natsui	366 (2025) 107392	2022A1459	BL47XU	安武 正展	Crystallographic Preferred Orientation of (Mg,Fe)O up to 125 GPa Inferred from Torsional Deformation Experiments using a Rotational Diamond Anvil Cell
			2022A1496	BL47XU	岡崎 啓史	
			2022B1410	BL47XU	東 真太郎	
			2022B1408	BL47XU	岡崎 啓史	
			2023A1359	BL47XU	岡崎 啓史	
			2023A1314	BL47XU	東 真太郎	
			2023B0312	BL10XU	夏井 文凜	
			2023B1392	BL47XU	安武 正展	
			2023B1462	BL47XU	東 真太郎	
			2024A1496	BL47XU	岡崎 啓史	
			2024A1392	BL47XU	東 真太郎	
			2024B1426	BL47XU	東 真太郎	
			2023B0312	BL47XU	夏井 文凜	

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

48493	Shun Nakamura	122 (2025) e2413465122	2024A2753	BL45XU	中村 駿	Structure-guided Engineering of a Mutation-tolerant Inhibitor Peptide against Variable SARS-CoV-2 Spikes
			2023A2724	BL45XU	中村 駿	
			2022A2746	BL45XU	中村 駿	
			2021B2751	BL45XU	中村 駿	
			2019B2721	BL41XU	中村 駿	
48538	Rachel Bolton	121 (2024) e2308478121	2022A8002	BL2	Hough Michael	A Redox Switch Allows Binding of Fe(II) and Fe(III) Ions in the Cyanobacterial Iron-binding Protein FutA from <i>Prochlorococcus</i>
			2022B8041	BL2	Hough Michael	

Quantum Beam Science

48465	Kenji Suzuki	9 (2025) 15	2023A3684	BL14B1	鈴木 賢治	Residual Stresses of Small-Bore Butt-Welded Piping Measured by Quantum Beam Hybrid Method
			2024B3684	BL14B1	鈴木 賢治	
			2023B5051	BL16XU	野口 真一	
48607	Hiroshi Sekiguchi	9 (2025) 19	2018A1315	BL40XU	関口 博史	Diffracted X-Ray Tracking for Analysis of Heterogeneity of Hydrogels
			2019B1334	BL40B2	秋葉 勇	
			2020A1158	BL40B2	秋葉 勇	
			2020A1161	BL40B2	秋葉 勇	
			2019B1625	BL40XU	関口 博史	
			2019B1335	BL40XU	秋葉 勇	
			2020A1159	BL40XU	秋葉 勇	
			2021B1579	BL40XU	関口 博史	

RSC Advances

48534	Hirokazu Narita	13 (2023) 17001-17007	2013B3518	BL11XU	成田 弘一	Extraction of Se(IV) and Se(VI) from Aqueous HCl Solution by using a Diamide-containing Tertiary Amine
48592	Erika Saito	13 (2023) 32039-32044	2022B1944	BL02B1	松永 周	Formation of Charge-transfer Complexes in Ionic Crystals Composed of 1,3-bis(dicyanomethylidene) indan Anion and Viologens Bearing Alkyl Chains

粉体および粉末冶金 (Journal of the Japan Society of Powder and Powder Metallurgy)

48376	Hayato Nakasawa	72 (2025) S997-S1001	2022B3726	BL22XU	菖蒲 敬久	Strain Analysis of Thermoelectric Materials using High-resolution Synchrotron X-ray Diffraction Data
			2023A3721	BL22XU	菖蒲 敬久	
			2023B3722	BL22XU	菖蒲 敬久	
48588	Kazushi Hayashi	72 (2025) S1167-S1173	2022A5320	BL16B2	福田 一徳	Application of Warm Isostatic Pressing to Densification of All Solid-State Composite Cathode Electrodes in All Solid-State Lithium-Ion Batteries
			2022B5320	BL16B2	福田 一徳	
			2021A5320	BL16B2	横溝 臣智	
			2021B5320	BL16B2	横溝 臣智	
			2023A5320	BL16B2	林 和志	
			2023B5320	BL16B2	林 和志	

ACS Applied Energy Materials

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
48731	Kousuke Beppu	8 (2025) 1683-1688	2023B1913	BL14B2	別府 孝介	Unraveling Vibrational Energies of Chemical Bonds in Silver-Containing Chalcopyrite Compounds (Ag,Cu) InSe ₂ and Ag(In,Ga)Se ₂ by Low-Temperature EXAFS Analysis
			2018B1448	BL01B1	別府 孝介	
			2019B1605	BL01B1	別府 孝介	
			2021A1230	BL01B1	別府 孝介	
			2022B0590	BL01B1	別府 孝介	
			2019B1622	BL37XU	山添 誠司	

ACS Applied Engineering Materials

48624	Quan Zou	3 (2025) 1200-1209	2022B1061	BL01B1	西堀 麻衣子	Cu-Doped TiO ₂ Nanoparticle-Based Thin Films Obtained via the Mist-Deposition Method and Their Photocatalytic Antibacterial Properties
			2021B1712	BL19B2	蟹江 澄志	

ACS Applied Nano Materials

48595	Kohsuke Mori	7 (2024) 28649-28658	2023A1668	BL01B1	森 浩亮	Entropy-Stabilized Isolated Active Pd Species within a High-Entropy Fluorite Oxide Matrix for CO ₂ Hydrogenation to Formic Acid
			2023B1805	BL01B1	森 浩亮	

ACS Applied Polymer Materials

48468	Namie Ikeda	7 (2025) 5546-5555	2023A1289	BL04B2	藤井 健太	Unusual Polyether Dissolution in Salt-Concentrated Ionic Liquid Electrolytes: Application to High-Performance Ion Gels for Lithium-Ion Batteries
			2023B1359	BL04B2	直井 勝彦	
			2023B1328	BL04B2	藤田 正博	
			2024B1501	BL04B2	澤山 沙希	
			2022A1688	BL04B2	上山 祐史	

ACS ES&T Engineering

48359	Daichi Takami	5 (2025) 864-873	2022A1171	BL01B1	桑原 泰隆	Photothermal Approach on Chemical Looping Method for Reverse Water Gas Shift Reaction using Defective Molybdenum Oxide
			2023A1676	BL01B1	桑原 泰隆	

ACS Nano

48467	Andrés Burgos-Caminal	19 (2025) 21950-21961	2021B8047	BL3	Gawelda Wojciech	Selective Tracking of Charge Carrier Dynamics in CuInS ₂ Quantum Dots
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ACS Nanoscience Au

48492	Masashi Nakamura	5 (2025) 196-207	2024B1844	BL13XU	北川 宏	Unraveling Element-Selective Local Structures in Multielement Alloy Nanoparticles with EXAFS
			2023A1739	BL01B1	北川 宏	
			2023B1588	BL01B1	北川 宏	
			2023B1988	BL14B2	北川 宏	

ACS Omega

48591	Tamaki Matsumura	10 (2025) 10060-10070	2023B1039	BL01B1	松本 太	The Relationship between the Electronic State of Pt in Pt-Based Nanoparticle Catalysts and Their Electrochemical Catalytic Activity in the Oxidation of Small Organic Compounds
			2023B1944	BL01B1	松本 太	

ACS Sustainable Chemistry & Engineering

48701	Taiki Kawakami	13 (2025) 7994-8002	2023B1646	BL14B2	水垣 共雄	Mild and Selective Hydrogenation of Furfural and Its Derivatives to Tetrahydrofurfuryl Compounds Catalyzed by Aluminum Oxide-supported Nickel Carbide Nanoparticles
			2024A1548	BL01B1	山口 渉	
			2023A1896	BL01B1	山口 渉	

Acta Crystallographica Section B

48490	Emilie Skytte Vosegaard	79 (2023) 380-391	2022B0508	BL02B1	Iversen Bo	Comparative Study of Conventional and Synchrotron X-ray Electron Densities on Molecular Crystals
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Acta Crystallographica Section D

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
48307	Hiroyuki Iwamoto	81 (2025) 196-206	2007A1190	BL45XU	岩本 裕之	Restoration of the 3D Structure of Insect Flight Muscle from a Rotationally Averaged 2D X-ray Diffraction Pattern

Advanced Functional Materials

48354	Keiju Wachi	34 (2025) 2425452	2024A1718	BL01B1	宍戸 哲也	Oxygen Defect Engineering of Hexagonal Perovskite Oxides to Boost Catalytic Performance for Aerobic Oxidation of Sulfides to Sulfones
			2024B1631	BL01B1	和知 慶樹	

Advanced Physics Research

48331	Fumiaki Kato	3 (2024) 2400063	2022B1825	BL02B1	中埜 彰俊	Enhanced Cryogenic Thermoelectricity in Semimetal Ta ₂ PdSe ₈ through Non-Fermi Liquid-Like Charge and Heat Transport
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Antimicrobial Agents and Chemotherapy

48434	Shigehiro Enkai	67 (2023) 01428-22	2022A6714	BL44XU	志波 智生	Killing Two Birds with One Stone: Discovery of Dual Inhibitors of Oxygen and Fumarate Respiration in Zoonotic Parasite, <i>Echinococcus multilocularis</i>
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Applied Clay Science

48466	Shingo Machida	242 (2023) 107025	2022B1125	BL20XU	町田 慎悟	A Three-dimensional Image Reflecting the Dispersion State of Ceramic Platelets in Solvent: Observation of Montmorillonite Dispersed in Silica Gel by Synchrotron X-ray Multiscale Tomography
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Applied Materials Today

48361	Rei Okuno	44 (2025) 102710	2022B1363	BL04B2	橋本 英樹	Amorphous Alumina: an Ideal Material for Advancing Pentacoordinated Aluminum Chemistry and Verifying its Catalytic Properties
			2023B1237	BL04B2	橋本 英樹	
			2024B1527	BL04B2	橋本 英樹	

Applied Physics Express

48609	Kohei Shimizu	15 (2022) 094002	2020A1824	BL46XU	東海林 弘	Study of the Effect of Density of States Distribution on Carrier Injection at Organic/Electrode Interface through High-sensitivity Photoemission Spectroscopy and Injection Simulation
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Applied Sciences

48496	Takahiro Matsumoto	15 (2025) 3931	2023A1009	BL04B2	今井 英人	FC-BENTEN: Synchrotron X-Ray Experimental Database for Polymer-Electrolyte Fuel-Cell Material Analysis
			2023B1014	BL04B2	今井 英人	
			2022B1967	BL09XU	今井 英人	
			2023A1040	BL09XU	今井 英人	
			2023A1651	BL09XU	今井 英人	
			2023A1819	BL09XU	今井 英人	
			2023B1939	BL09XU	今井 英人	
			2021B1849	BL14B2	今井 英人	
			2021B1913	BL14B2	今井 英人	
			2022B1049	BL14B2	今井 英人	
			2022B1968	BL19B2	今井 英人	
			2023A1041	BL19B2	今井 英人	
			2023A1652	BL19B2	今井 英人	
			2023A1820	BL19B2	今井 英人	
			2023A1019	BL04B2	今井 英人	
			2021B1046	BL46XU	今井 英人	
			2022B1051	BL46XU	今井 英人	
			理研	BL36XU		

Atmospheric Chemistry and 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
48735	Kohei Sakata	22 (2022) 9461-9482	2015A1809	BL27SU	坂田 昂平	Iron (Fe) Speciation in Size-fractionated Aerosol Particles in the Pacific Ocean: The Role of Organic Complexation of Fe with Humic-like Substances in Controlling Fe Solubility
			2016A1642	BL27SU	坂田 昂平	

Bioorganic & Medicinal Chemistry Letters

48520	Seigo Yumura	125-126 (2025) 130277	2023B6810	BL44XU	木下 誉富	The Discrepancies in Amino Acid Sequence of the Phosphate-binding Loop Lead to Distinctive Binding Modes of a Covalent Inhibitor for MAP2K1 and MAP2K6: Structural Insights for Producing Selective Inhibitors
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Biophysical Journal

48387	Yusuke Asagoe	124 (2025) 129A-130A	2024A1111	BL28B2	清水 啓史	BPS2025 - Twisting Motion of a Single-KcsA Channel in Response to Sequential Chemical Stimuli
			2024B1116	BL28B2	清水 啓史	
			2022A1431	BL28B2	清水 啓史	
			2022B1771	BL28B2	清水 啓史	
			2023A1133	BL28B2	清水 啓史	
			2023B1314	BL28B2	清水 啓史	

Bioscience, Biotechnology and Biochemistry

48502	Miyu Akagashi	89 (2025) 733-742	2024B2524	BL45XU	渡辺 誠也	Crystal Structure of L-2-keto-3-deoxyrhamnonate 4-dehydrogenase Involved in the Non-phosphorylating Pathway of L-rhamnose Metabolism by Bacteria
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Bulletin of the Chemical Society of Japan

48326	Ayano Fujiwara	98 (2025) uoaf013	2023A1264	BL40XU	久木 一朗	A Robust Layer-motif Composed of Binaphthyl Dibenzoic Acid Derivatives in Inclusion Crystals
			2023B1142	BL40XU	久木 一朗	
			2024A1208	BL40XU	久木 一朗	

Cell

48590	Xin Jiang	183 (2020) 258-268	2019B2717	BL32XU	Yan Nieng	Structural Basis for Blocking Sugar Uptake into the Malaria Parasite <i>Plasmodium falciparum</i>
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Chem

48453	Yuuki Inomata	(2025) Online published May 1, 2025	2020A0168	BL26B1	藤田 誠	An M ₆₀ L ₆₀ Metal-peptide Capsid with a 60-crossing Woven Network
			2021B2556	BL41XU	佐藤 宗太	
			2022A1572	BL45XU	佐藤 宗太	
			2022B1308	BL26B1	佐藤 宗太	

The Chemical Record

48645	Haruno Murayama	23 (2023) e202300148	2012A1454	BL14B2	大橋 弘範	Supported Noble Metal Catalysts and Adsorbents with Soft Lewis Acid Functions
			2012B1075	BL14B2	大橋 弘範	
			2013A1820	BL14B2	大橋 弘範	
			2013B1598	BL14B2	大橋 弘範	
			2014A1534	BL14B2	大橋 弘範	
			2016A1521	BL14B2	村山 美乃	
			2017A1576	BL14B2	村山 美乃	
			2017B1827	BL14B2	村山 美乃	
			2018A1736	BL14B2	村山 美乃	

Chemistry - An Asian Journal

48648	Min-Hua Huang	20 (2025) e202401171	2022B1609	BL01B1	吉田 真明	Carbon-Supported Nano-Dispersed Metallic Copper Derived From Carbonization of MOF-199 for Electrocatalytic CO ₂ Reduction
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Chemistry Europe

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
48334	Tasuki Tsurumi	3 (2025) e202500069	2023B2549	BL41XU	佐藤 宗太	Self-Assembly of Silver Nanoclusters by Cooperative Acetylene Bonding with Mutual Pyridyl Coordination
			2023A1118	BL26B1	堂本 悠也	
			2024A1123	BL26B1	堂本 悠也	
			2023A1371	BL36XU	足立 精宏	

ChemistrySelect

48647	Arisu Sakai	10 (2025) e00885	2024B1694	BL01B1	吉田 真明	Development of a Mn ₂ O ₃ -based Water Oxidation Electrocatalyst From a Naturally Occurring Bixbyite Ore
			2023B1636	BL01B1	吉田 真明	
			2022B1609	BL01B1	吉田 真明	
			2021B1168	BL01B1	吉田 真明	

ChemSusChem

48565	Keitaro Ohashi	18 (2025) e202402576	2023A1690	BL01B1	神谷 和秀	Size-Dependency of Electrochemically Grown Copper Nanoclusters Derived from Single Copper Atoms for the CO Reduction Reaction
			2023A1934	BL01B1	大橋 圭太郎	
			2023B2081	BL14B2	原田 隆史	
			2023B2097	BL01B1	大橋 圭太郎	
			2024A1940	BL01B1	大橋 圭太郎	

Coatings

48360	Roshan Sanjeewa Fernando Wattoru Thanthrige	15 (2025) 467	2021B1761	BL19B2	Jayathilaka Charith	Facile Synthesis of Sponge-like Microstructured CuO Anode Material for Rechargeable Lithium-Ion Batteries
			2022B1658	BL19B2	Kumara L. S.	
			2023A1541	BL19B2	Kumara L. S.	
			2019A1762	BL19B2	大坂 恵一	
			2019B1893	BL19B2	大坂 恵一	
			2019B1725	BL19B2	大坂 恵一	

Colloids and Surfaces A: Physicochemical and Engineering Aspects

48640	Muhamad Diki Permana	720 (2025) 137110	2024A1789	BL02B2	武井 貴弘	The Synergistic Effect of Fe ₃ O ₄ /g-C ₃ N ₄ for Persulfate Activation in Sulfate Radical Photo-Fenton
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Communications Chemistry

48509	Mungo Frost	8 (2025) 128	2024A1404	BL10XU	Pena-Alvarez Miriam	Implications of High-pressure Oxygen Hydrates on Radiolytic Oxygen in Jovian Icy Moons
			2024A1415	BL10XU	Howie Ross	

Communications Earth & Environment

48711	Motohiko Murakami	6 (2025) 406	2020A0593	BL10XU	村上 元彦	The Texture of the Post-perovskite Phase Controls the Characteristics of the D" Seismic Discontinuity
			2017A1870	BL10XU	平尾 直久	

Communications Physics

48306	Shinya Tsukada	6 (2023) 107	2012A3713	BL22XU	大和田 謙二	Polarization Behavior in a Compositionally Graded Relaxor-ferroelectric Crystal Visualized by Angle-resolved Polarized Raman Mapping
			2013A3713	BL22XU	大和田 謙二	

Composites Part A: Applied Science and Manufacturing

48653	Kosuke Takahashi	198 (2025) 109060	2022A1026	BL20XU	高橋 航圭	Influence of Irradiation with Synchrotron Radiation X-ray on Nano-Scale CT for Carbon Fibers and Epoxy Matrix
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Composites Science and Technology

48427	Go Yamamoto	265 (2025) 111137	2023A1258	BL20XU	山本 剛	Unravelling the Role of inter CNT Yarn-Yarn Interactions in Governing the Failure Behavior in a Unidirectional CNT Yarn-reinforced Plastic Composite
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Crystal Growth & Design

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
48327	Namiki Tanaka	25 (2025) 1851-1859	2023A1264	BL40XU	久木 一朗	Hydrogen-Bonded Ladder Frameworks Composed of Low Symmetric Tricarboxylic Acids
			2024A1208	BL40XU	久木 一朗	
			2024B1717	BL40XU	橋本 泰利	

Crystals

48454	Alexey Rulev	15 (2025) 440	2022A1406	BL35XU	Braun Artur	¹¹⁹ Sn Element-Specific Phonon Density of States of BaSnO ₃
			2023B1095	BL35XU	Braun Artur	

Electronics

48423	Quentin Eynaud	13 (2024) 1752	2021B1947	BL46XU	小金澤 智之	Ternary Polymer Solar Cells: Impact of Non-Fullerene Acceptors on Optical and Morphological Properties
			2022A2069	BL13XU	小金澤 智之	
			2022A2063	BL19B2	小金澤 智之	

eLife

48433	Takayuki Yamaguchi	(2025) Online published Mar. 12, 2025	2021B2542	EM02CT	深井 周也	Structural Insights into Heterohexameric Assembly of Epilepsy-related Ligand–receptor Complex LGI1–ADAM22
			2022B2543	EM01CT	深井 周也	

Energy & Fuels

48449	Shinta Miyazaki	37 (2023) 7945-7957	2022A1827	BL14B2	宮崎 眞太	Chemical Looping Dry Reforming of Methane over Ni-Modified WO ₃ /ZrO ₂ : Cooperative Work of Dispersed Tungstate Species and Ni over the ZrO ₂ Surface
			2020A1695	BL14B2	井 元	

European Journal of Inorganic Chemistry

48392	Keisuke Iijima	27 (2024) e202400198	2023A1539	BL02B1	森 達哉	Bis(ferrocenyl)stannylene
			2023A1785	BL02B1	森 達哉	
			2023A1859	BL02B1	村田 理尚	
			2023B1675	BL02B1	菅又 功	

Friction

48456	Naoko Takeuchi-Takahashi	13 (2025) 9441040	2018A5071	BL16XU	高橋 直子	Friction and Wear Characteristics of Acidic Phosphate Ester Boundary Layers Analyzed by Near-edge X-ray Absorption Fine Structure
			2018B5071	BL16XU	高橋 直子	

Frontiers in Molecular Biosciences

48429	Augustin Tshibaka Kabongo	10 (2023) 1095026	2022A6714	BL44XU	志波 智生	Biochemical Characterization and Identification of Ferulenol and Embelin as Potent Inhibitors of Malate:Quinone Oxidoreductase from <i>Campylobacter jejuni</i>
			2021A6616	BL44XU	志波 智生	
			2021B6616	BL44XU	志波 智生	

Frontiers in Pediatrics

48529	Cailin Diedericks	12 (2024) 1526603	2022B1246	BL20B2	Hooper Stuart	External Negative Pressure Improves Lung Aeration in Near-term Rabbit Kittens at Risk of Developing Respiratory Distress
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Geophysical Research Letters

48500	Tomohiro Ohuchi	52 (2025) e2025GL114960	2023B1229	BL04B1	大内 智博	A Stress Memory Effect in Olivine at Upper Mantle Pressures and Temperatures
			2023A1213	BL04B1	大内 智博	
			2022B1183	BL04B1	大内 智博	

Inorganica Chimica Acta

48582	Yusuke Ikeda	550 (2023) 121434	2021B3624	BL14B1	大越 慎一	Crystal Structure, Photomagnetic and Dielectric Properties of a Cyanido-bridged Cu-Mo Assembly Film
			2022B3624	BL14B1	大越 慎一	

Inorganics

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
48273	Alexei Belik	13 (2025) 91	2021A1334	BL02B2	Belik Alexei	The Conversion Polymorphism of Perovskite Phases in the BiCrO ₃ -BiFeO ₃ System

International Journal of Hydrogen Energy

48353	Hirohisa Tanaka	141 (2025) 1088-1097	2021A3609	BL14B1	松村 大樹	Experimental Verification to Developing Safety Technology for Liquefied Hydrogen in the Project "STACY"
			2021B3609	BL14B1	松村 大樹	
			2022A3609	BL14B1	松村 大樹	
			2022B3609	BL14B1	松村 大樹	
			2022B3630	BL14B1	田中 裕久	
			2023A3630	BL14B1	田中 裕久	
			2023B3630	BL14B1	田中 裕久	

JACS Au

48442	Yuki Nakaya	5 (2025) 1956-1964	2022A0302	BL01B1	中谷 勇希	Distorted Surface Ensembles in Platinum-Antimony for the Durable Catalytic Dehydrogenation of Methylcyclohexane
			2024B2022	BL01B1	古川 森也	

Journal of Alloys and Compounds

48625	Zheyuan Liang	1025 (2025) 180158	2022B1506	BL27SU	二宮 翔	Chemical Interactions in Cu-Al-Mn Shape-memory Alloy during Low-temperature Aging Treatment: XAS and DFT Study
			2023A1490	BL27SU	二宮 翔	

The Journal of Biological Chemistry

48355	Yasunori Watanabe	301 (2025) 108507	2020A2572	BL32XU	渡邊 康紀	Structural Basis for Phosphatidylcholine Synthesis by Bacterial Phospholipid N-methyltransferases
			2021A2762	BL45XU	渡邊 康紀	

Journal of Colloid and Interface Science

48350	Ruina Li	674 (2024) 326-335	2024B4126	BL12B2	Tung Ching-wei	d-band Center Engineering of Single Cu Atom and Atomic Ni Clusters for Enhancing Electrochemical CO ₂ Reduction to CO
			2024B4253	BL12XU	Tung Ching-wei	

Journal of Electron Spectroscopy and Related Phenomena

48313	Saki Imada	280 (2025) 147538	2021A1301	BL27SU	今田 早紀	Geometry-dependent Analysis of 2p3d- and 2p3s-partial Fluorescence Yield Spectra for High-spin 3d ⁵ Systems
			2021A1289	BL27SU	今田 早紀	
			2021B1536	BL27SU	今田 早紀	
			2022A1149	BL27SU	今田 早紀	
			2022A1150	BL27SU	今田 早紀	

Journal of Electronic Materials

48375	Yukimasa Fukada	54 (2025) 686-692	2019A3801	BL23SU	吉越 章隆	Synthesis of Carbon Nanowalls using Plasma-Irradiated Solid Carbon and Absorption of Cs in Water
			2019B3801	BL23SU	吉越 章隆	

Journal of Magnetism and Magnetic Materials

48657	Akane Agui	629 (2025) 173248	2017A1083	BL08W	安居院 あかね	Four Compensation Points in Tb _x Co _{100-x} Amorphous Films
			2017B1115	BL08W	安居院 あかね	
			2018A1090	BL08W	安居院 あかね	
			2019A1322	BL08W	安居院 あかね	
			2019A1324	BL37XU	安居院 あかね	
			2019B1211	BL08W	安居院 あかね	

Journal of Materials Science

48602	Hiroshi Nakajima	60 (2025) 9197-9207	2022A1085	BL04B2	中島 宏	Characteristic Ferroelectric Domains and Their Dynamic Behavior in Ordered Pb(Sc _{1/2} Nb _{1/2})O ₃
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Journal of Materials Science & Technology

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
48439	Yi Shuang	210 (2025) 246-253	2022A1575	BL09XU	齊藤 雄太	Amorphous-to-crystalline Transition-induced Two-step Thin Film Growth of Quasi-one-dimensional Penta-telluride ZrTe ₅

The Journal of Physical Chemistry B

48444	Ward Wakileh	129 (2025) 2461-2470	2022B2094	BL40XU	関口 博史	Investigation of Cubosome Interactions with Liposomal Membranes Based on Time-Resolved Small-Angle X-ray Scattering and Laurdan Fluorescence Spectroscopy
			2022B0301	BL40XU	Ward Wakileh	
			2022B0301	BL40B2	Ward Wakileh	

Journal of Physics and Chemistry of Solids

48614	Takeshi Nakagawa	175 (2023) 111202	2019A4132	BL12B2	Ding Yang	Pressure-induced Valence Fluctuation in CsEuF ₃ : From Divalent Eu Valence to Trivalent Eu Valence State
			2020A4260	BL12XU	平岡 望	

Journal of Synchrotron Radiation

48426	Yuichi Inubushi	32 (2025) 534-538	2021A8064	BL2	犬伏 雄一	Development of Portable Nanofocusing Optics for X-ray Free-electron Laser Pulses
			2022A8074	BL2	犬伏 雄一	
			2022B8071	BL3	犬伏 雄一	
			2023A8020	BL2	犬伏 雄一	
			2023A8067	BL3	犬伏 雄一	

Luminescence

48441	Ryo Sasai	40 (2025) e70174	2019A0068	BL02B2	森吉 千佳子	Mechanism Responsible for Changes in the Luminescence Properties of Terbium (III)-Doped Layered Double Hydroxides During Carbonate/Chloride Exchange
			2022A1162	BL02B2	笹井 亮	
			2022A1175	BL02B2	岡田 友彦	
			2022B0573	BL02B2	森吉 千佳子	
			2022B1643	BL02B2	原 孝佳	

Materials Characterization

48318	Kartik Prasad	218 (2024) 114573	2021B1858	BL46XU	鳥塚 史郎	On the Dislocation Storage Capacity of Additively Manufactured Hastelloy X: In situ Synchrotron Diffraction Study
			2021B1921	BL19B2	鳥塚 史郎	
			2022A1598	BL13XU	鳥塚 史郎	
			2022A1760	BL19B2	鳥塚 史郎	
			2022B1672	BL19B2	鳥塚 史郎	
			2022B1975	BL13XU	鳥塚 史郎	

Materials Today Physics

48536	J. Bi	28 (2022) 100840	2021A1172	BL10XU	Zhu Jinlong	Stabilization of Superconductive La-Y Alloy Superhydride with T _c above 90 K at Megabar Pressure
			2021B1407	BL10XU	Zhu Jinlong	

Materials Transactions

48487	Shota Tsuchiya	66 (2025) 895-902	2021B1124	BL20XU	清水 一行	Analysis of Void Formation and Crack Propagation at Grain Boundaries in Al-Zn-Mg-Cu Alloy
			2022A1113	BL20XU	清水 一行	
			2022B1377	BL20XU	清水 一行	

Materials Science and Engineering: A

48563	Yuxiang Zhang	939 (2025) 148493	2024B1606	BL13XU	王 延緒	Texture-induced Anisotropic Elastic Properties and Their Temperature Dependences in Hot-rolled Ti-24Nb-4Zr-8Sn Alloy
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Materials Science in Semiconductor Processing

48511	Takuma Kobayashi	175 (2024) 108251	2021A3833	BL23SU	渡部 平司	Characterization of Nitrided SiC(1100) MOS Structures by Means of Electrical Measurements and X-ray Photoelectron Spectroscopy
			2021B3833	BL23SU	渡部 平司	

Materials Today Communications

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
48703	Shin-ichi Inoue	47 (2025) 113098	2024A1761	BL19B2	Kumara L. S.	Effects of Beryllium Segregation along Grain Boundaries of Y ₂ O ₃ Film in Mg–Zn–Y Alloy on Nonflammability and Oxidation Resistance
			2024B1883	BL19B2	井上 晋一	

The Minerals, Metals and Materials Series (Light Metals 2025)

48712	Keitaro Horikawa	(2025) 134-143	2024A1147	BL20B2	堀川 敬太郎	Evaluation of Hydrogen-Induced Pores in Ni–P-Plated Al–Zn–Mg Alloys Using Synchrotron X-Ray Computed Tomography and Hydrogen Analysis
			2024B1139	BL20B2	堀川 敬太郎	

MLF Annual Report 2023

48330	Takeshi Murakawa	24 (2025) 7-9	2021B6606	BL44XU	岡島 俊英	Neutron Crystallography of a Semiquinone Radical Intermediate of Copper Amine Oxidase
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Nano Research

48690	Masaki Saruyama	18 (2025) 94907284	2024A1255	BL40B2	猿山 雅亮	One-step Preparation of Three-dimensional Superlattices during Nanoparticle Synthesis
			2024B1498	BL40B2	猿山 雅亮	

New Physics: Sae Mulli

48505	Hidenori Fujiwara	73 (2023) 1062-1066	2014B3882	BL23SU	関山 明	Polarization Dependence of Soft X-ray Absorption Spectroscopy on the Heavy Fermion Superconductor CeNi ₂ Ge ₂
			2013B3882	BL23SU	関山 明	
			2014A1023	BL27SU	関山 明	
			2014B1299	BL27SU	関山 明	

Optica

48428	Ichiro Inoue	12 (2025) 530-533	2023A8051	BL3	井上 伊知郎	High-intensity X-ray Pump-monochromatic X-ray Probe Technique across Time Zero
			2023B8002	BL3	井上 伊知郎	
			2024A8045	BL3	井上 伊知郎	

Optical Materials

48470	F. D. Fedyunin	164 (2025) 117022	2019B4500	BL15XU	山浦 一成	Towards Enhancement of Energy Transfer Efficiency to Ce ³⁺ in Gd ₃ (Al,Ga,Sc) ₅ O ₁₂ :Ce Crystals
			2020A4501	BL15XU	Belik Alexei	

Patterns

48347	Yasuhiro Iba	6 (2025) 101210	2018A1703	BL20B2	竹田 裕介	Nature Visible only Digitally
			2021B1810	BL20B2	池上 森	

Photosynthesis Research

48558	Uwe Bergmann	162 (2024) 371-384	2017B8066	BL3	Bergmann Uwe	Stimulated X-ray Emission Spectroscopy
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Physical Review Research

48503	Ludovic Rapp	6 (2024) 023101	2018A3738	BL22XU	松岡 健之	Observation of High-pressure Polymorphs in Bulk Silicon Formed at Relativistic Laser Intensities
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Physics and Chemistry of Minerals

48457	Yuhei Umeda	52 (2025) 20	2018B8039	BL3	奥地 拓生	In situ Observation of Shock-induced Structural Evolution of Calcite
			2018B8061	BL3	佐藤 友子	
			2018B8069	BL3	尾崎 典雅	
			2021B8644	BL3	梅田 悠平	
			2021B8067	BL3	尾崎 典雅	
			2021B8045	BL3	奥地 拓生	
			2021B8659	BL3	佐藤 友子	

Progress in Nuclear Science and Technology

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
48459	Naoki Kanno	7 (2025) 154-160	2022A3625	BL14B1	中瀬 正彦	Valence Separation of Fe and Removal of Sn ²⁺ by Solvent Extraction as a Potential Method to Determine Fe ²⁺ in Glass Containing Sn ²⁺
			2020A3738	BL22XU	中瀬 正彦	

Polymer Degradation and Stability

48617	Daisuke Takaya	240 (2025) 111431	2019B2020	BL03XU	加部 泰三	Biodegradation Rate Control with Blends of Poly(butylene succinate) and Poly(butylene succinate-co-adipate)
			2022B1330	BL40B2	甘 弘毅	

Polymer Journal

48568	Shin Takano	55 (2023) 1387-1391	2022B1713	BL40B2	高野 心	A Surprisingly Narrow Particle Size Distribution for Polyacrylic Acid Nanospheres Produced by Precipitation Polymerization and Revealed by Small-angle X-ray Scattering
			2022B1277	BL40B2	櫻井 和朗	
			2022A1106	BL40B2	櫻井 和朗	

Review of Scientific Instruments

48315	Ahmed Gademawla	96 (2025) 035107	2022B1392	BL39XU	木村 耕治	Application of X-ray Fluorescence Holography to a Single Grain in Polycrystalline Ferroelectric Ceramics
			2022A1011	BL39XU	木村 耕治	
			2021B1381	BL37XU	林 好一	
			2021A1376	BL37XU	林 好一	
			2020A1546	BL13XU	林 好一	
			2019B1388	BL13XU	林 好一	
			2019A1221	BL13XU	林 好一	

RSC Applied Polymers

48418	Naoya Nozaki	2 (2024) 163-171	2021B1106	BL40B2	松本 英俊	Thienoisindigo-based Recyclable Conjugated Polymers for Organic Electronics
			2022B1474	BL40B2	松本 英俊	

Separation and Purification Technology

48396	Wei-Han Wei	360 (2025) 131129	2021B1168	BL01B1	吉田 真明	Mn-MIL-100 Derived MnO ₂ @carbon for the Photo-induced Thermal Catalytic HCHO Oxidation
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Small Structures

48412	Ebru Destan	6 (2025) 2400680	2023B8058	BL2	當舎 武彦	Experimental and Computational Insights into the Structural Dynamics of the Fc Fragment of IgG1 Subtype from Biosimilar VEGF-Trap
			2023A2761	BL32XU	當舎 武彦	

Structural Dynamics

48540	Adams Vallejos	11 (2024) 044302	2019A8077	BL2	Neutze Richard	Appraising Protein Conformational Changes by Resampling Time-resolved Serial X-ray Crystallography Data
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Structure

48437	Kazuki Kawahara	33 (2025) 1040-1050	2021B2538	EM01CT	中村 昇太	High-resolution Cryo-EM Analysis Visualizes Hydrated Type I and IV Pilus Structures from Enterotoxigenic <i>Escherichia coli</i>
			2022A2747	EM01CT	中村 昇太	
			2023A2738	EM01CT	中村 昇太	

Surfaces and Interfaces

48295	Sue Ying Tan	56 (2025) 105683	2021B1738	BL14B2	Wong WaiYin	Template-free Modulation of MOF-derived Atomically Dispersed Fe-N-C Catalyst for Enhanced Oxygen Reduction Reaction and Durability in Acidic Medium
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Vacuum

48548	Lin-Zhi Xu	239 (2025) 114373	2023B1117	BL08W	Jiang Haoran	Role of Se Addition on the Glass Formation and Crystallization of Cu-Zr Glassy Alloy
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Zeitschrift für Anorganische und Allgemeine Chemie

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
48391	Koichi Sato	650 (2024) e202400115	2023A1539	BL02B1	森 達哉	Synthesis of 2,2,3,3-Tetraphenyl-5,5,6,6,7,7,8,8-octamethyl-2,3,5,6,7,8-hexasilabicyclo[2.2.2]octane – a Phenyl-substituted Silicon-containing Cage
			2023A1785	BL02B1	森 達哉	
			2023A1859	BL02B1	村田 理尚	
			2023B1675	BL02B1	菅又 功	

X線分析の進歩 (Advances in X-ray Chemical Analysis, Japan)

48463	Ryotaro Sato	54 (2023) 193-201	2022A3558	BL11XU	上原 章寛	High Energy Resolution Fluorescence Detected X-ray Absorption Fine Structure (HERFD-XAFS) Measurements for Rubidium Compounds to Prepare Estimation Methods for Chemical Form of Uranium in Biological System
			2022B3558	BL11XU	上原 章寛	

コンクリート工学年次論文集 (Proceedings of the Japan Concrete Institute)

48700	Takashi Hitomi	47 (2025) 696-701	2017B1627	BL28B2	人見 尚	Development of New Binder with Chemical Reactivity Imparted by Grinding Treatment
			2018A1565	BL28B2	人見 尚	
			2018A1783	BL46XU	人見 尚	
			2018B1602	BL28B2	人見 尚	
			2018B2068	BL19B2	人見 尚	
			2019A1659	BL28B2	人見 尚	
			2019A1780	BL19B2	人見 尚	
			2019B1712	BL28B2	人見 尚	
			2019B1895	BL46XU	人見 尚	
			2020A1622	BL28B2	人見 尚	
			2021B1917	BL46XU	人見 尚	
			2022B1774	BL28B2	人見 尚	
			2023A1813	BL28B2	人見 尚	

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

48413	Kenji Suzuki	74 (2025) 251-257	2023B1568	BL19B2	北脇 高太郎	Residual Stresses of Aluminum Alloy Blank Disk for Hard Disk Drive
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しょうとつ (原子衝突学会誌, Journal of Atomic Collision Research)

48551	Shinichirou Minemoto	21 (2024) R005	2018B8045	BL1	峰本 紳一郎	X線自由電子レーザーを利用した超高速分子構造決定法の開発
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成形加工 (Journal of the Japan Society of Polymer Processing)

48619	Mizuki Kishimoto	37 (2024) 27-29	2017A7215	BL03XU	三田 一樹	Correlation between Submicron Structures and Mechanical Properties of Polyethylene
			2017B7267	BL03XU	三田 一樹	
			2018A7217	BL03XU	内田 公典	
			2018B7267	BL03XU	内田 公典	
			2019A7215	BL03XU	内田 公典	
			2019B7264	BL03XU	内田 公典	

日本ゴム協会誌 (Journal of the Society of Rubber Science and Technology, Japan)

48452	Satoshi Sawada	97 (2024) 119-124	2021B7700	BL28XU	竹中 幹人	Time-resolved XAFS Study on Formation Behavior of Zinc Compounds during Vulcanization in Rubbers with Different Vulcanization Systems
			2022A7700	BL28XU	竹中 幹人	
			2022B7700	BL28XU	竹中 幹人	
			2023A7700	BL28XU	竹中 幹人	
			2023B7700	BL28XU	竹中 幹人	

表面と真空 (Vacuum and Surface Science)

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
48517	Daiki Katsube	65 (2022) 526-530	2017A3801	BL23SU	吉越 章隆	Restoration of Oxygen Vacancies on an Anatase TiO ₂ (001) Surface with Supersonic Seeded Oxygen Molecular Beam
			2017A3832	BL23SU	大野 真也	
			2017B3801	BL23SU	吉越 章隆	
			2017B3832	BL23SU	大野 真也	
			2018A3801	BL23SU	吉越 章隆	
			2018A3832	BL23SU	阿部 真之	
			2018B3801	BL23SU	吉越 章隆	
			2018B3838	BL23SU	阿部 真之	
			2019A3838	BL23SU	阿部 真之	
			2020A3838	BL23SU	阿部 真之	
			2021A3838	BL23SU	阿部 真之	

保全学 (Maintenology)

48580	Lina Yu	23 (2025) 77-84	2023B1991	BL19B2	Yu Lina	A Study on Residual Stresses of Multilayer Welded SUS316 Steel with Surface Machining using Double Exposure Method
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博士論文 (University of Oxford)

48541	James Francis Unwin	(2024)	2022B8043	BL1	Allum Felix	Characterising the Photodissociation Dynamics of Few-atom Systems via X-ray Coulomb Explosion Imaging
48542	Tiffany Rae Walmsley	(2024)	2021A8038	BL1	Forbes Ruaridh	Coulomb Explosion Imaging and Covariance Analysis of Concurrent Fragmentation Mechanisms
48560	Joseph W. McManus	(2024)	2022B8048	BL1	Warne Emily	Studies of Photoinduced Molecular Dynamics using Ion Imaging and Correlation Analysis

博士論文 (京都大学)

48281	Jongbin Go	(2024)	2021B1049	BL46XU	辻 伸泰	Effect of Twinning and De-twinning on Macroscopic and Microscopic Deformation in AZ31 Magnesium Alloy
			2021B1911	BL46XU	辻 伸泰	
			2022B1056	BL13XU	辻 伸泰	
			2022B1785	BL13XU	辻 伸泰	
			2023A1038	BL13XU	辻 伸泰	
			2023B1762	BL13XU	辻 伸泰	
			2021A1039	BL46XU	辻 伸泰	
			2021A1618	BL46XU	辻 伸泰	
			2021B1853	BL46XU	辻 伸泰	
48416	Yuka Matsushima	(2025)	2021A2750	BL45XU	入江 一浩	Structure-Function Analysis of Conformationally Fixed Analogs of Amyloid β 42 and Development of Antibodies against the Toxic Conformer
48659	Hiroyuki Yamashita	(2025)	2022B3581	BL11XU	瀬戸 誠	Development of Measuring Method of Gamma-ray Waveform Transmitted through Vibrating Nuclear Resonant Absorber for Study of Quantum Applications
			2023A3581	BL11XU	瀬戸 誠	

博士論文 (東京大学)

48272	Masami Nirei	(2022)	2018A1500	BL04B2	山室 修	Thermodynamic and X-ray/Neutron Scattering Study on High Entropy Molecular Liquids
			2018B1489	BL04B2	山室 修	
			2018B1717	BL04B2	楡井 真実	
			2019B1771	BL04B2	楡井 真実	
48436	Yosuke Arai	(2023)	2022A1714	BL35XU	新井 陽介	Electronic Structure of Low-carrier Rare Earth Compounds Cerium Monopnictides Investigated by Angle-resolved Photoemission Spectroscopy
48438	Keisuke Ozawa	(2023)	2022A1701	BL39XU	小澤 佳祐	Compression Behaviors of Elements in Basaltic Glass Revealed by High-pressure XAFS Measurements

博士論文（東北大学）

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
48314	Satoshi Matsuno	(2025)	2023B2108	BL19B2	松野 哲士	Data-Driven Analyses of Element Transfer within Oceanic Crust During Fluid-Rock Interactions at Seafloor and Subduction Plate Interface
			2024B1937	BL19B2	松野 哲士	
48585	Peiao Xie	(2024)	2023A3657	BL14B1	石井 賢司	Research on the Electronic States of 214-type T* Phase Cuprates using Quantum Beam Spectroscopy
			2023B3657	BL14B1	石井 賢司	
			2024A3657	BL14B1	石井 賢司	

名古屋大学（Nagoya University）

48692	Shuto Asano	(2024)	2022B1718	BL10XU	浅野 秀斗	Ultra-High Pressure Synthesis and Crystal Chemistry of Early Transition Metal Nitrides
			2021A1602	BL10XU	浅野 秀斗	
48734	Takeshi Hara	(2025)	2022A0304	BL02B1	原 武史	Research on Molecular Crystals by Precise Valence Electron Density Analysis Using Synchrotron X-ray Diffraction

博士論文（Hanyang University）

48661	Sumin Im	(2025)	2019A3784	BL22XU	裴 晟哲	Multiscale Studies on Thermo-Treated Calcium Silicate Hydrates: Its Potential for CO ₂ Sequestration
			2020A3782	BL22XU	裴 晟哲	

博士論文（University of Basel）

48554	Melissa Carrillo	(2024)	2019A8007	BL2	Schmidt Marius	Polymer Fixed-targets for Time-resolved Serial Protein Crystallography at XFELs and Synchrotrons
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博士論文（University of Essex）

48556	Peter Smyth	(2024)	2022A8002	BL2	Hough Michael	Serial and Time-resolved Crystallography of Metalloproteins
			2022B8041	BL2	Hough Michael	

博士論文（Stanford University）

48547	Priyanka Muhunthan	(2024)	2022B8017	BL3	Ihme Werner	Investigating the Structure and Dynamics of Supercritical Fluids using X-ray Techniques and Atomistic-scale Simulations
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博士論文（The University of Edinburgh）

48539	Kyle Lewis Barlow	(2024)	2021B8001	BL3	Johansson Johan	Application of Ultrafast Spectroscopic Techniques to Single-molecule Magnets
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博士論文（大阪大学）

48566	Shintaro Kato	(2024)	2021A1294	BL01B1	神谷 和秀	Study on Electrochemical Upgrading Reactions of Gaseous Substrates at High-Current Density
			2021B1204	BL01B1	神谷 和秀	
			2022A1165	BL01B1	神谷 和秀	
			2022B0566	BL01B1	神谷 和秀	
			2023A1690	BL01B1	神谷 和秀	
			2023B2081	BL14B2	原田 隆史	
			2023A1934	BL01B1	大橋 圭太郎	

博士論文（東京科学大学）

48356	Eito Hirai	(2025)	2023B1703	BL35XU	平井 英人	Experimental Study on Surface Energy and Elasticity of Organic Materials on Titan
			2024A1609	BL35XU	平井 英人	

課題以外の成果として登録された論文

Chemical Reviews

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	タイトル
48544	Lin Chen	124 (2024) 5421-5469	装置 & 技術	SACLA	Deciphering Photoinduced Catalytic Reaction Mechanisms in Natural and Artificial Photosynthetic Systems on Multiple Temporal and Spatial Scales Using X-ray Probes

The Journal of Physical Chemistry C

48683	Yuhei Sasaki	129 (2025) 10624-10632	装置 & 技術	BL29XU	Development of <i>Operando</i> Hard X-ray Ptychography: Application to Thin-Film All-Solid-State Lithium-Ion Batteries
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Nature Communications

48559	Quentin Bertrand	15 (2024) 10278	装置 & 技術	SACLA	Structural Effects of High Laser Power Densities on an Early Bacteriorhodopsin Photocycle Intermediate
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Proceedings of the 32nd Linear Accelerator Conference

48561	T. Inagaki	(2024) 747-750	加速器	SACLA	Studies on High Repetition Rate Operation of SACLA with X-band Normal Conducting Accelerator
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Review of Scientific Instruments

48557	Kazuaki Togawa	95 (2024) 043304	装置 & 技術	SACLA	Slice Emittance Measurements using a Slit-grid System and a Fast Wall-current Monitor
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Science and Technology of Advanced Materials

48546	Tatsuo Hasegawa	25 (2024) 2418282	装置 & 技術	SACLA	Exploration and Development of Molecule-based Printed Electronics Materials: an Integrated Approach using Experimental, Computational, and Data Sciences
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放射光 (Journal of the Japanese Society for Synchrotron Radiation Research)

48550	Eito Iwai	37 (2024) 253-259	加速器	SACLA	Automatic Accelerator Tuning using Machine Learning Method at SACLA
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博士論文 (大阪大学)

48552	Shotaro Matsumura	(2024)	装置 & 技術	SACLA	微小間隙における高精度プラズマエッチングとそのX線結晶光学素子への応用
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