

最近 SPring-8 もしくは SACLA から発表された成果リスト

公益財団法人高輝度光科学研究センター
利用推進部

SPring-8 もしくは SACLA 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、2024 年 4 月～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、以下の URL で検索することによりその課題の情報を閲覧することが可能です。

<https://user.spring8.or.jp/uisearch/expreport/ja/?criteria.institution=0>

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、実験責任者の方には、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 2024 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
Nature Communications	11	Bulletin of the Chemical Society of Japan	5
Journal of the American Chemical Society	10	Biochemical and Biophysical Research Communications	4
Inorganic Chemistry	9	Chemical Science	4
Chemistry of Materials	8	Japanese Journal of Applied Physics	4
Journal of Synchrotron Radiation	6	The Journal of Biological Chemistry	4
Physical Review B	6	The Journal of Physical Chemistry C	4
Scientific Reports	6	Science Advances	4

他全 202 誌、計 340 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ピームラインの課題が含まれる場合、代表課題が複数のピ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

Inorganic Chemistry

研究成果番号	主著者	雑誌情報	課題番号	ピームライン	実験責任者	タイトル
46797	Shuto Asano	62 (2023) 20271-20278	2021B1499	BL10XU	丹羽 健	High-Pressure Synthesis of a High-Pressure Phase of MnN Having NiAs-Type Structure
			2022A1553	BL10XU	丹羽 健	
			2022B1381	BL10XU	丹羽 健	
46825	Supaphom Thammanan	63 (2024) 6239-6247	2023A1487	BL10XU	丹羽 健	Postsynthetic Installation of Lanthanide Cubane Clusters in a 3D Hydrogen-Bonded Framework of Ir ^{III} ₄ Zn ^{II} ₄ Multicarboxylates
			2020A1551	BL02B1	小島 達弘	
			2021B1354	BL02B1	小島 達弘	
			2021B1475	BL02B1	吉成 信人	
			2022A1573	BL02B1	吉成 信人	
46830	Koh Sugamata	63 (2024) 2454-2459	2022B1806	BL02B2	吉成 信人	Alkoxy-Functionalized Hydroxamate/Zinc Metal-Organic Frameworks and the Effects of Substituents and Acid Addition on Their Structures
			2022B1659	BL02B1	吉成 信人	
			2019A1057	BL02B1	笹森 貴裕	
			2019A1677	BL02B1	鈴木 文陽	
			2019B1129	BL02B1	笹森 貴裕	
			2019B1774	BL02B1	鈴木 文陽	
			2020A1650	BL02B1	薄葉 純一	
			2020A1656	BL02B1	西野 龍平	
			2021A1592	BL02B1	西野 龍平	
			2020A0557	BL02B1	菅又 功	
			2020A0834	BL02B1	西野 龍平	
			2021A1578	BL02B1	早川 雅大	
			2021B1132	BL02B1	森迫 祥吾	
			2021B1435	BL02B1	村田 理尚	
			2021B1833	BL02B1	成田 皓樹	
			2021B1798	BL02B1	早川 雅大	
			2022A1200	BL02B1	箕浦 真生	
2022A1354	BL02B1	村田 理尚				
2022A1584	BL02B1	森迫 祥吾				
2022B1626	BL02B1	村田 理尚				
2022A1705	BL02B1	成田 皓樹				
2023A1539	BL02B1	森 達哉				
46841	Takafumi Yamamoto	63 (2024) 4482-4486	2022A1191	BL02B2	山本 隆文	Synthesis and Structure of Vacancy-Ordered Perovskite Ba ₆ Ta ₂ Na ₂ X ₂ O ₁₇ (X = P, V): Significance of Structural Model Selection on Discovered Compounds
46918	Zhiyan Zhang	63 (2024) 2553-2561	2022A4126	BL12B2	久保園 芳博	Pressure Dependence of the Structural and Superconducting Properties of the Bi-Based Superconductor Bi ₂ Pd ₃ Se ₂
			2022B4126	BL12B2	久保園 芳博	
			2023A4135	BL12B2	久保園 芳博	
46919	Ritsuko Eguchi	63 (2024) 947-953	2021A1385	BL13XU	江口 律子	Observation of the Superstructure in Fe _{5-x} GeTe ₂ by X-ray Fluorescence Holography
			2021B1631	BL13XU	江口 律子	
			2022A4126	BL12B2	久保園 芳博	
			2022B1350	BL47XU	久保園 芳博	
46959	Takeshi Usuki	63 (2024) 7640-7651	2018B1339	BL04B2	Bychkov Evgeny	Supercritical Gallium Trichloride in Oxidative Metal Recycling: Ga ₂ Cl ₆ Dimers vs GaCl ₃ Monomers and Rheological Behavior
			2020A1229	BL04B2	Bychkov Evgeny	
46999	Yoshihiro Koizumi	61 (2022) 9841-9848	2021A1034	BL02B1	小島 達弘	Ligand-Protecting Strategy for the Controlled Construction of Multinuclear Copper Cores within a Ring-Shaped Polyoxometalate
			2021B1018	BL02B1	小島 達弘	
47135	Fumito Fujishiro	63 (2024) 5865-5871	2021B1247	BL01B1	大石 昌嗣	Variable Photoluminescence Intensity Ratio with the Excitation Wavelength in Eu ³⁺ -Doped Perovskite-Type Alkaline Earth Zirconates—Possibility of a Unique Visualization of Ultraviolet Light

Journal of the American Chemical Society-1

46807	Xingyu Qi	146 (2024) 9191-9204	2023A1843	BL14B2	小畑 圭亮	Potential-Rate Correlations of Supported Palladium-Based Catalysts for Aqueous Formic Acid Dehydrogenation
46852	Nachi Ueno	146 (2024) 11235-11244	2022B0569	BL02B2	藤井 孝太郎	High Conductivity and Diffusion Mechanism of Oxide Ions in Triple Fluorite-Like Layers of Oxyhalides
			2023A1684	BL02B2	藤井 孝太郎	
46899	Ben Liu	146 (2024) 9984-10000	2023B1740	BL14B2	Liu Ben	Highly Efficient Iridium-Iron-Molybdenum Catalysts Condensed on Boron Nitride for Biomass-Derived Diols' Hydrogenolysis to Secondary Monoalcohols
			2023A1630	BL14B2	藤井 亮太郎	
			2021B1097	BL01B1	數下 瑞帆	

Journal of the American Chemical Society-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
46970	Makoto Iihoshi	145 (2023) 10756-10762	2020A1137	BL02B2	後藤 真人	Cascade Charge Transitions of Unusually High and Mixed Valence Fe ^{3.5+} in the A-Site Layer-Ordered Double Perovskite SmBaFe ₂ O ₆
47004	Hidenori Miki	146 (2024) 3844-3853	2021B7431	BL07LSU	山本 健太郎	Double-Layered Perovskite Oxyfluoride Cathodes with High Capacity Involving O-O Bond Formation for Fluoride-Ion Batteries
			2020A7487	BL07LSU	倉橋 直也	
			2018A1276	BL27SU	山本 健太郎	
			2018B1507	BL02B2	山本 健太郎	
			2019A1817	BL14B2	山本 健太郎	
			2019B1512	BL02B2	松永 利之	
			2021A1029	BL27SU	内本 喜晴	
			2021B1040	BL27SU	内本 喜晴	
			2021B1878	BL14B2	山本 健太郎	
47047	Luhong Wang	146 (2024) 7506-7514	2023B1182	BL10XU	Liu Arthur Haozhe	Structure Responsible for the Superconducting State in La ₃ Ni ₂ O ₇ at High-Pressure and Low-Temperature Conditions
			2023B1273	BL10XU	Liu Arthur Haozhe	
47159	Nattapol Ma	144 (2022) 18619-18628	2022A1161	BL04B2	堀毛 悟史	Eutectic CsHSO ₄ -Coordination Polymer Glasses with Superprotonic Conductivity
47172	Akira Yoko	146 (2024) 16324-16331	2022A1029	BL01B1	西堀 麻衣子	Fusion Growth and Extraordinary Distortion of Ultrasmall Metal Oxide Nanoparticles
			2022B1061	BL02B2	西堀 麻衣子	
			2021B1783	BL02B2	Zheng Yanyan	
			2022B1946	BL02B2	Zheng Yanyan	
			2022B1683	BL02B2	笠井 秀隆	
			2023A1757	BL14B2	横 哲	
			2022B0513	BL13XU	笠井 秀隆	
			2021B1859	BL14B2	西堀 麻衣子	
			2020A1667	BL27SU	二宮 翔	
			2021B1696	BL27SU	二宮 翔	
			2022A1028	BL27SU	西堀 麻衣子	
			2022B1041	BL27SU	西堀 麻衣子	
47197	Yoshihiro Koizumi	146 (2024) 14610-14619	2023B1651	BL01B1	鈴木 康介	Small Copper Nanoclusters Synthesized through Solid-State Reduction inside a Ring-Shaped Polyoxyometalate Nanoreactor
			2023A1915	BL01B1	吉川 聡一	
			2023A1732	BL01B1	鈴木 康介	
			2023A1731	BL02B1	鈴木 康介	
			2022B1860	BL01B1	鈴木 康介	
			2022B1684	BL01B1	吉川 聡一	
			2022B0593	BL01B1	吉川 聡一	

Nature Communications

46788	Xiaojiao Liu	12 (2021) 3871	2020A1160	BL40XU	Bhattacharya Biswajit	High-pressure Reversibility in a Plastically Flexible Coordination Polymer Crystal
46854	Kei Saito	14 (2023) 7466	2021A1599	BL02B2	安井 雄太	High Proton Conductivity within the 'Norbby Gap' by Stabilizing a Perovskite with Disordered Intrinsic Oxygen Vacancies
			2021B1826	BL02B2	矢口 寛	
			2022A1270	BL02B2	藤井 孝太郎	
46956	Kenichi Endo	14 (2023) 4241	2021A1319	BL01B1	松本 憲志	Location-selective Immobilisation of Single-atom Catalysts on the Surface or within the Interior of Ionic Nanocrystals using Coordination Chemistry
			2021A1380	BL01B1	高畑 遼	
			2021A1506	BL01B1	高畑 遼	
			2021B1708	BL02B2	佐藤 良太	
46958	Taku Omura	15 (2024) 568	2021A7222	BL03XU	岩田 忠久	Microbial Decomposition of Biodegradable Plastics on the Deep-sea Floor
			2020A7223	BL03XU	岩田 忠久	
			2019B7270	BL03XU	岩田 忠久	
46998	Gang Wang	14 (2023) 5861	2020A1695	BL14B2	井 元	Accelerated Discovery of Multi-elemental Reverse Water-gas Shift Catalysts using Extrapolative Machine Learning Approach
			2022A1736	BL14B2	井 元	
47001	Kyle Barlow	15 (2024) 4043	2021B8001	BL3	Johansson Johan	Tracking Nuclear Motion in Single-molecule Magnets using Femtosecond X-ray Absorption Spectroscopy
47016	Takenori Shimamura	15 (2024) 665	2021A1612	BL25SU	島村 勇徳	Ultracompact Mirror Device for Forming 20-nm Achromatic Soft-X-ray Focus toward Multimodal and Multicolor Nanoanalyses
			2021B1836	BL25SU	島村 勇徳	
			2020A1694	BL25SU	島村 勇徳	
47029	Tomoko Fujino	15 (2024) 3028	2022A0304	BL02B1	原 武史	Orbital Hybridization of Donor and Acceptor to Enhance the Conductivity of Mixed-stack Complexes
47157	Nattapol Ma	13 (2022) 4023	2021B1377	BL01B1	堀毛 悟史	Exploration of Glassy State in Prussian Blue Analogues
			2020A1383	BL04B2	堀毛 悟史	

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
46917	Naohisa Happo	36 (2024) 4135-4143	2019A4131	BL12B2	久保園 芳博	Nanophase Separation in $K_{1-x}Ca_xC_8$ Revealed by X-ray Fluorescence Holography and Extended X-ray Absorption Fine Structure
			2022A4126	BL12B2	久保園 芳博	
			2014B1189	BL13XU	八方 直久	
			2015A0116	BL13XU	林 好一	
46920	Mitsuki Ikeda	35 (2023) 4338-4346	2021B1426	BL13XU	久保園 芳博	Pressure Dependence of Superconductivity in Alkaline Earth Metal-Doped FeSe: toward Completion of the Phase Diagram of Superconducting Transition Temperature Versus FeSe Layer Distance
			2022A4126	BL12B2	久保園 芳博	
			2022A1388	BL47XU	久保園 芳博	
46921	Tetsuhiro Katsumata	36 (2024) 3697-3704	2017B3636	BL14B1	勝又 哲裕	Existence of Local Polar Domains in Perovskite Oxyfluoride, $BaFeO_2F$
			2021B3742	BL22XU	勝又 哲裕	
			2022B1586	BL02B2	勝又 哲裕	
			2022B1812	BL02B2	稲熊 宜之	
			2023A1546	BL02B2	稲熊 宜之	
47005	Zulai Cao	36 (2024) 1928-1940	2021B1034	BL27SU	山本 健太郎	Revealing the Unusual Mechanism of Mixed Cationic and Anionic Redox in Oxyfluorosulfide Cathode for All-Solid-State Fluoride-Ion Batteries
			2021B1033	BL27SU	山本 健太郎	
			2022A7442	BL07LSU	山本 健太郎	
			2020A1509	BL14B2	松永 利之	
			2021A1645	BL14B2	山本 健太郎	
			2021B1374	BL27SU	山本 健太郎	
			2021B1508	BL02B2	松永 利之	
			2021B1540	BL02B2	松永 利之	
			2021B1878	BL14B2	山本 健太郎	
			2022A1034	BL27SU	内本 喜晴	
			2022A1035	BL27SU	内本 喜晴	
			2023A1656	BL02B2	内本 喜晴	
			2023A1920	BL14B2	内本 喜晴	
2020A7487	BL27SU	倉橋 直也				
2021B7431	BL27SU	山本 健太郎				
47038	Chengchao Zhong	36 (2024) 4495-4501	2022B1847	BL02B2	鐘 承超	Decompression-Induced In-Plane Lone Pair Electrons in BiSF Synthesized under High Pressure
47136	Masatsugu Oishi	36 (2024) 4849-4860	2019A1141	BL04B2	大石 昌嗣	Reversible Tetrahedral-site Migration Inducing an Additional Charge Compensation Reaction in Li-rich Layered Oxide $0.4Li_2MnO_3 - 0.6LiNi_{0.5}Mn_{0.5}O_2$
			2019B1148	BL04B2	大石 昌嗣	
			2021A1278	BL04B2	大石 昌嗣	
47146	Jie Chen	36 (2024) 5587-5595	2023A1496	BL02B2	Belik Alexei	New Structural Distortions in Osmate Perovskite $Na_{1-x}K_xOsO_3$ Synthesized under High Pressure
			2023A2361	BL02B2	山浦 一成	
			2023B1676	BL02B2	山浦 一成	
47202	Yuudai Iwai	36 (2024) 5446-5455	2022B1132	BL10XU	大谷 亮	Mechanical Properties of Modulative Undulating Layers in Two-Dimensional Metal-Organic Frameworks

Physical Review B

46772	Daisuke Takegami	109 (2024) 155108	2023B4255	BL12XU	武上 大介	Bulk Electronic Structure of AV_3Sb_5 ($A = K, Cs$) Studied by Hard X-ray Photoemission Spectroscopy: Possibility of Bond Order without Charge Disproportionation
46839	Tetsujiro Eto	109 (2024) 014101	2021A1079	BL10XU	江藤 徹二郎	Pressure-induced Structural Phase Transition in the Ferromagnetic Heusler Alloy Ni_2MnGa
46910	Ryo Nakamura	109 (2024) 165148	2023A4250	BL12XU	武上 大介	Interplay between Strongly Localized Eu 4f and Weakly Localized Nb 4d Electrons in $Eu_3Nb_5O_{15}$
			2022B4256	BL12XU	武上 大介	
46996	Yongheng Li	109 (2024) 174302	2021B1551	BL35XU	Wang Xueyun	Multiphonon Interaction and Thermal Conductivity in Half-Heusler $LuNiBi$
47008	Dabiao Lu	109 (2024) 174417	2023B1575	BL02B2	Pan Zhao	Giant Spin-induced Electric Polarization in Absence of Orbital Order in $(Bi_{0.5}Ag_{0.5})Mn_7O_{12}$
			2023B1976	BL02B2	Pan Zhao	
47180	Daisuke Takegami	109 (2024) 235138	2023A4267	BL12XU	武上 大介	Negative Charge-transfer Energy in $SrFeO_3$ Revisited with Hard X-ray Photoemission Spectroscopy

Scientific Reports-1

46861	Kochi Sato	13 (2023) 2183	2006B1388	BL41XU	清水 伸隆	Prediction of Hydrophilic and Hydrophobic Hydration Structure of Protein by Neural Network Optimized using Experimental Data
			2006A1414	BL41XU	清水 伸隆	
			2003B0979	BL38B1	中迫 雅由	
			2001B0049	BL40B2	中迫 雅由	
			2001A0349	BL40B2	中迫 雅由	
			2000B0097	BL41XU	中迫 雅由	
			1999B0155	BL41XU	豊島 近	
			1999B0056	BL45XU	中迫 雅由	
			1999A0240	BL41XU	中迫 雅由	
			1999A0175	BL41XU	豊島 近	

Scientific Reports-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
46862	Mao Oide	11 (2021) 2827	2002B0153	BL40B2	中迫 雅由	Red Light-induced Structure Changes in Phytochrome A from <i>Pisum sativum</i>
			2003A0107	BL40B2	中迫 雅由	
			2003B0142	BL40B2	中迫 雅由	
46987	Yeon Lee	13 (2023) 22326	2021A6674	BL44XU	Kim Hyoun Sook	Structural Insights into N-terminal Methionine Cleavage by the Human Mitochondrial Methionine Aminopeptidase, MetAP1D
			2021B6674	BL44XU	Kim Hyoun Sook	
			2022A6774	BL44XU	Kim Hyoun Sook	
47041	Taiki Wakabayashi	14 (2024) 11165	2021B2541	EM01CT	中迫 雅由	CryoEM-sampling of Metastable Conformations Appearing in Cofactor-ligand Association and Catalysis of Glutamate Dehydrogenase
			2022B2523	BL38B1	中迫 雅由	
			2022B2523	EM01CT	中迫 雅由	
47123	Ben Heuser	14 (2024) 12239	2022A8048	BL3	Stevenson Michael	Release Dynamics of Nanodiamonds Created by Laser-driven Shock-compression of Polyethylene Terephthalate
47183	Osamu Takakuwa	14 (2024) 14445	2021B1361	BL20XU	高桑 脩	In situ 3D Crystallographic Characterization of Deformation-induced Martensitic Transformation in a Metastable Fe-Cr-Ni Austenitic Alloy by X-ray Microtomography
			2022B1117	BL20XU	高桑 脩	

Bulletin of the Chemical Society of Japan

46829	Koh Sugamata	97 (2024) uoae017	2021A1592	BL02B1	西野 龍平	Synthesis, Structural Analysis, and Gas-adsorption Properties of a Dibenzothiophene-based Hydroxamate/Zinc Metal-organic Framework
			2021A1578	BL02B1	早川 雅大	
			2021B1132	BL02B1	森迫 祥吾	
			2021B1435	BL02B1	村田 理尚	
			2021B1833	BL02B1	成田 皓樹	
			2021B1798	BL02B1	早川 雅大	
			2022A1200	BL02B1	箕浦 真生	
			2022A1354	BL02B1	村田 理尚	
			2022A1584	BL02B1	森迫 祥吾	
			2022B1626	BL02B1	村田 理尚	
			2022A1705	BL02B1	成田 皓樹	
			2023A1771	BL02B1	菅又 功	
			2023A1925	BL02B1	菅又 功	
2023B1675	BL02B1	菅又 功				
2023B1878	BL02B1	菅又 功				
46896	Wataru Yoshimune	97 (2024) uoae046	2017A7032	BL33XU	長井 康貴	Multiscale Characterization of Polymer Electrolyte Fuel Cells Elucidated by Quantum Beam Analysis
			2017B7032	BL33XU	長井 康貴	
			2018A7032	BL33XU	長井 康貴	
			2018B7032	BL33XU	長井 康貴	
			2019A7032	BL33XU	山口 聡	
			2019B7032	BL33XU	山口 聡	
			2020A7032	BL33XU	山口 聡	
			2021A7032	BL33XU	山口 聡	
			2021B7032	BL33XU	山口 聡	
			2022A7032	BL33XU	山口 聡	
2022B7032	BL33XU	山口 聡				
2023A7032	BL33XU	山口 聡				
46971	Masato Goto	96 (2023) 1269-1273	2020A1671	BL02B2	Koedtrud Anucha	Structural and Magnetic Properties of the B-Site-Ordered Double Perovskites Ln_2NiTiO_6 ($Ln = La, Pr, \text{ and } Nd$)
46972	Masato Goto	95 (2022) 1011-1015	2020A1671	BL02B2	Koedtrud Anucha	Charge Transfer between Fe and Ti Induced by Ln Substitution and Temperature in the B-Site-Disordered Perovskites $Ln_2(FeTi)O_6$ ($Ln = La, Pr, \text{ and } Nd$)
			2021A1146	BL02B2	後藤 真人	
			2020A1137	BL02B2	後藤 真人	
47128	Mao Yamaguchi	97 (2024) uoae004	2021A1080	BL40XU	久木 一朗	An Expanded Hydrogen-bonded Organic Framework Formed by a Tetrakis(terphenyl)ethene Derivative
			2022B1151	BL40XU	久木 一朗	

Journal of Synchrotron Radiation-1

46846	Saori Kawaguchi-Imada	31 (2024) 343-354	2019B1614	BL10XU	河口 沙織	Submillisecond <i>in situ</i> X-ray Diffraction Measurement System with Changing Temperature and Pressure using Diamond Anvil Cells at BL10XU/SPRING-8
			2019B2095	BL10XU	河口 沙織	
			2020A2136	BL10XU	河口 沙織	
			2020A2051	BL10XU	河口 沙織	
			2021A2080	BL10XU	河口 沙織	
			2021B2092	BL10XU	河口 沙織	
			2022A2071	BL10XU	河口 沙織	
			2022B2119	BL10XU	河口 沙織	

Journal of Synchrotron Radiation-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
46859	Syouyo Yoshida	31 (2024) 113-128	2013B8049	BL3	中迫 雅由	Protocol using Similarity Score and Improved Shrink-wrap Algorithm for Better Convergence of Phase-retrieval Calculation in X-ray Diffraction Imaging
			2014A8033	BL3	中迫 雅由	
			2014B8052	BL3	中迫 雅由	
			2015A8051	BL3	中迫 雅由	
			2016A8048	BL3	中迫 雅由	
			2016B8064	BL3	中迫 雅由	
			2020A8004	BL2	中迫 雅由	
46860	Yuki Takayama	31 (2024) 95-112	2013B8049	BL3	中迫 雅由	Similarity Score for Screening Phase-retrieved Maps in X-ray Diffraction Imaging – Characterization in Reciprocal Space
			2014A8033	BL3	中迫 雅由	
			2016B3201	BL24XU	高山 裕貴	
			2018A3201	BL24XU	高山 裕貴	
46864	Mao Oide	25 (2018) 1379-1388	2002B0153	BL40B2	中迫 雅由	Classification of <i>ab initio</i> Models of Proteins Restored from Small-angle X-ray Scattering
			2003A0106	BL40B2	中迫 雅由	
			2003A0107	BL40B2	中迫 雅由	
			2003B0141	BL40B2	中迫 雅由	
			2003B0142	BL40B2	中迫 雅由	
			2005B0380	BL40B2	加藤 晃一	
			2002B0152	BL40B2	中迫 雅由	
47170	Ayumi Ito	31 (2024) 810-820	2023A3740	BL22XU	伊藤 あゆみ	<i>In situ</i> XAFS-XRD Study of the Zr-Y ₂ O ₃ Interaction at Extra-high Temperatures
			2023B3740	BL22XU	伊藤 あゆみ	

Biochemical and Biophysical Research Communications

46774	Tomoya Kawakami	643 (2023) 105-110	2021B2553	BL45XU	寺本 岳大	Crystal Structure of Adenosine 5'-phosphosulfate Kinase Isolated from <i>Archaeoglobus fulgidus</i>
46835	Shigeru Shimamoto	569 (2021) 66-71	2020A6503	BL44XU	有竹 浩介	Substrate-induced Product-release Mechanism of Lipocalin-type Prostaglandin D Synthase
46929	Tetsuya Masuda	703 (2024) 149601	2014A1063	BL26B1	榎田 哲哉	Subatomic Structure of Orthorhombic Thaumatin at 0.89 Å Reveals that Highly Flexible Conformations are Crucial for Thaumatin Sweetness
			2014B1181	BL26B1	榎田 哲哉	
			2014B1339	BL26B1	榎田 哲哉	
			2014B2020	BL26B2	榎田 哲哉	
			2015A1037	BL26B1	榎田 哲哉	
			2016A2548	BL26B1	榎田 哲哉	
			2016A2552	BL38B1	榎田 哲哉	
			2017A2511	BL26B1	榎田 哲哉	
			2017B2526	BL38B1	榎田 哲哉	
			2018A2546	BL26B1	榎田 哲哉	
			2019A2529	BL26B1	榎田 哲哉	
47124	Tamaki Izume	528 (2020) 383-388	2016A2527	BL32XU	石谷 隆一郎	Crystal Structure of Human Endothelin ET _B Receptor in Complex with Sarafotoxin S6b

Chemical Science-1

46789	Biswajit Bhattacharya	14 (2023) 3441-3450	2021A1293	BL40XU	Bhattacharya Biswajit	An Atomistic Mechanism for Elasto-plastic Bending in Molecular Crystals
46828	Koh Sugamata	15 (2024) 7072-7078	2021A1592	BL02B1	西野 龍平	A Tin Analogue of Propadiene with Cumulated C=Sn Double Bonds
			2021A1578	BL02B1	早川 雅大	
			2021B1132	BL02B1	森迫 祥吾	
			2021B1435	BL02B1	村田 理尚	
			2021B1833	BL02B1	成田 皓樹	
			2021B1798	BL02B1	早川 雅大	
			2022A1200	BL02B1	箕浦 真生	
			2022A1354	BL02B1	村田 理尚	
			2022A1584	BL02B1	森迫 祥吾	
			2022B1626	BL02B1	村田 理尚	
			2022B1149	BL40XU	畠山 琢次	
			2022A1705	BL02B1	成田 皓樹	
			2023A1771	BL02B1	菅又 功	
			2023A1925	BL02B1	菅又 功	
			2023B1675	BL02B1	菅又 功	
2023B1878	BL02B1	菅又 功				

Chemical Science-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
46895	Xin Zhou	15 (2024) 7560-7567	2023A1706	BL13XU	北川 宏	First Synthesis of RuSn Solid-solution Alloy Nanoparticles and Their Enhanced Hydrogen Evolution Reaction Activity
			2023B1604	BL13XU	北川 宏	
			2021A1133	BL01B1	北川 宏	
			2021B1205	BL01B1	北川 宏	
			2022B1822	BL46XU	北川 宏	
47198	Haoran Sun	15 (2024) 9281-9286	2023B1842	BL02B1	鈴木 康介	Self-assembled Molecular Hybrids Comprising Lacunary Polyoxometalates and Multidentate Imidazole Ligands
			2022B1605	BL02B1	鈴木 康介	
			2022B1859	BL02B1	鈴木 康介	

Japanese Journal of Applied Physics

46771	Toshihide Sumi	62 (2023) SB8001	2020A8135	BL1	松田 巖	Element-selective Magnetization States in a Gd ₂₃ Fe ₆₇ Co ₁₀ Alloy, Probed by Soft X-ray Resonant Magneto-optical Kerr Effect
			2017B8074	BL1	小嗣 真人	
			2018B8040	BL1	小嗣 真人	
			2019A8067	BL1	El Moussaoui Souliman	
			2019B8036	BL1	El Moussaoui Souliman	
2021B8011	BL1	山本 航平				
46803	Yuki Takayama	63 (2024) 048002	2018B3286	BL24XU	今井 英人	Redox-induced Changes in Nanostructures and Electron Densities of Connected Pt-Fe Catalysts for Fuel Cells Revealed via in situ Coherent X-ray Diffraction
46901	Tomoya Tsutsumi	63 (2024) 04SP66	2022A1591	BL09XU	野平 博司	Effects of Plasma Oxidation and Plasma Nitridation on Chemical Bonding State of AlScN Evaluated by AR-HAXPES
			2022A1617	BL09XU	野平 博司	
			2022B1918	BL09XU	野平 博司	
			2022B0587	BL09XU	野平 博司	
			2023A1573	BL09XU	野平 博司	
			2023A1649	BL09XU	桐原 芳治	
			2023A1919	BL09XU	野平 博司	
			2023B1910	BL09XU	野平 博司	
47043	Gen Nakada	63 (2024) 05SP14	2021A1482	BL47XU	野平 博司	Estimation of the Band Alignment of Metal/AlScN Interfaces by Hard X-ray Photoelectron Spectroscopy
			2022A1591	BL09XU	野平 博司	
			2022A1617	BL09XU	野平 博司	
			2022B1918	BL09XU	野平 博司	
			2023A1573	BL09XU	野平 博司	
			2023A1649	BL09XU	桐原 芳治	
			2023A1919	BL09XU	野平 博司	

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46798	Kazushige Ueda	127 (2023) 15641-15647	2021A1672	BL14B2	植田 和茂	Site-Selective Eu ³⁺ Doping and Enhanced Luminescence from Eu ³⁺ at B Sites in Perovskite-Type Strontium Zirconate and Hafnate
46974	I-Ching Lin	127 (2023) 17802-17808	2021A1146	BL02B2	後藤 真人	Extraction of Anisotropic Thermal Vibration Factors for Oxygen from the Ti L _{2,3} -Edge in SrTiO ₃
47062	Shogo Yamazaki	127 (2023) 14030-14040	2021B1874	BL46XU	駒場 慎一	Consumption of Fluoroethylene Carbonate Electrolyte-Additive at the Si-Graphite Negative Electrode in Li and Li-Ion Cells
			2022A1657	BL46XU	駒場 慎一	
			2022B1838	BL46XU	駒場 慎一	
47137	Fumito Fujishiro	127 (2023) 18935-18943	2019B1146	BL01B1	大石 昌嗣	B-Site Mixing Effect on the Redox Reaction of Mn Ions in Perovskite-Type SrFe _{1-x} Mn _x O _{3-δ}
			2021A1266	BL01B1	大石 昌嗣	

Science Advances

46810	Tobias Claff	5 (2019) eaax9115	2016B2708	BL41XU	Liu Zhi-Jie	Elucidating the Active δ-opioid Receptor Crystal Structure with Peptide and Small-molecule Agonists
			2018A2561	BL41XU	Liu Zhi-Jie	
			2018B2721	BL41XU	Liu Zhi-Jie	
46837	Megumi Matsumoto	10 (2024) ead7203	2021B0185	BL47XU	松本 恵	Microstructural and Chemical Features of Impact Melts on Ryugu Particle Surfaces: Records of Interplanetary Dust Hit on Asteroid Ryugu
			2021B1600	BL47XU	安武 正展	
47014	Cheng Liu	9 (2023) eadg0087	2022B0599	BL19B2	柴山 直之	Retarding Solid-state Reactions Enable Efficient and Stable All-inorganic Perovskite Solar Cells and Modules
			2022B1906	BL19B2	柴山 直之	
47083	Cecilia Safari	9 (2023) eadh4179	2018B8068	BL3	Neutze Richard	Time-resolved Serial Crystallography to Track the Dynamics of Carbon Monoxide in the Active Site of Cytochrome c Oxidase
			2019A8077	BL2	Neutze Richard	

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
46968	Rei Shimono	6 (2023) 9381-9389	2021B1711	BL46XU	佐伯 昭紀	Bar Coating Process of Two-Dimensional Lead Iodide Perovskite Solar Cells: Effects of Vertical Orientation, Anisotropic Photoconductivity, and Conversion Time
			2021B1935	BL46XU	但馬 敬介	
			2022A1656	BL13XU	尾坂 格	
47013	Natalia Belen Correa Guerrero	6 (2023) 10274-10284	2022A1654	BL19B2	柴山 直之	A Semitransparent Silver-Bismuth Iodide Solar Cell with V_{oc} above 0.8 V for Indoor Photovoltaics
			2022B0599	BL19B2	柴山 直之	
			2022B1906	BL19B2	柴山 直之	
			2022B1913	BL46XU	柴山 直之	
47064	Eun Jeong Kim	5 (2022) 12999-13010	2021B1874	BL46XU	駒場 慎一	Effect of Cu Substitution in P'2- and P2-Type Sodium Manganese-Based Oxides
			2022A1657	BL46XU	駒場 慎一	

ACS Catalysis

46981	Guoyu Shi	13 (2023) 12299-12309	2021B1043	BL37XU	柿沼 克良	Nanorod Structuring of IrO_x on a Unique Microstructure of Sb-Doped Tin Oxide to Dramatically Boost the Oxygen Evolution Reaction Activity for PEM Water Electrolysis
47074	Marianne van der Merwe	13 (2023) 15427-15438	2019B4910	BL15XU	Wilks Regan	The Chemical and Electronic Properties of Stability-Enhanced, Mixed Ir-TiO _x Oxygen Evolution Reaction Catalysts
47098	Hiroya Ishikawa	14 (2024) 4501-4590	2023A1896	BL01B1	山口 渉	Highly Active and Sulfur-Tolerant Ruthenium Phosphide Catalyst for Efficient Reductive Amination of Carbonyl Compounds

Advanced Energy Materials

46872	Di Zhou	14 (2024) 2400077	2021B1436	BL10XU	Troyan Ivan	Raisins in a Hydrogen Pie: Ultrastable Cesium and Rubidium Polyhydrides
47015	Zeynep Gozukara Karabag	13 (2023) 2302038	2023A1679	BL19B2	柴山 直之	Tuning 2D Perovskite Passivation: Impact of Electronic and Steric Effects on the Performance of 3D/2D Perovskite Solar Cells
			2023A1737	BL09XU	柴山 直之	
47153	Muhammad Zubair	(2024) Online published 4 Jun. 2024	2020A0755	BL08W	Bedford Nick	Vacancy Mediated Electrooxidation of 5-Hydroxymethyl Furfuryl Using Defect Engineered Layered Double Hydroxide Electrocatalysts

Chemistry - A European Journal

46826	Koh Sugamata	30 (2024) e202400962	2023B1878	BL02B1	菅又 功	Phosphoramidate-Based Metal-Organic Frameworks for Effective Gas Adsorption
			2023B1675	BL02B1	菅又 功	
			2023A1925	BL02B1	菅又 功	
			2023A1771	BL02B1	菅又 功	
			2022B1149	BL40XU	畠山 琢次	
			2022A1705	BL02B1	成田 皓樹	
			2022A1584	BL02B1	森迫 祥吾	
			2022B1626	BL02B1	村田 理尚	
			2022A1354	BL02B1	村田 理尚	
			2022A1200	BL02B1	箕浦 真生	
			2021B1798	BL02B1	早川 雅大	
			2021B1833	BL02B1	成田 皓樹	
			2021B1435	BL02B1	村田 理尚	
2021B1132	BL02B1	森迫 祥吾				
46832	Koh Sugamata	29 (2023) e202302080	2021A1592	BL02B1	西野 龍平	Zn-Based Metal-Organic Frameworks Using Triptycene Hexacarboxylate Ligands: Synthesis, Structure, and Gas-Sorption Properties
			2021A1578	BL02B1	早川 雅大	
			2021B1435	BL02B1	村田 理尚	
			2021B1833	BL02B1	成田 皓樹	
			2021B1132	BL02B1	森迫 祥吾	
			2021B1798	BL02B1	早川 雅大	
			2022A1200	BL02B1	箕浦 真生	
			2022A1584	BL02B1	森迫 祥吾	
			2022B1626	BL02B1	村田 理尚	
			2023A1727	BL02B1	箕浦 真生	
2023A1771	BL02B1	菅又 功				
46870	Sho Yamaguchi	30 (2024) e202303573	2022B1585	BL14B2	満留 敬人	Nickel Carbide Nanoparticle Catalyst for Selective Hydrogenation of Nitriles to Primary Amines
			2022B1699	BL14B2	水垣 共雄	
			2023A1896	BL01B1	山口 渉	

Crystal Growth & Design

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
46790	Torvid Feiler	23 (2023) 6244-6249	2021A1293	BL40XU	Bhattacharya Biswajit	Mechanistic Investigation of an Elastically Flexible Organic Crystal
46795	Ryo Nishimura	24 (2024) 2791-2798	2018A1208	BL40XU	内田 欣吾	Self-Assembly of Chiral Diarylethene Microcrystals by the Sublimation Process to Form Foliage Scroll Pattern
			2019A1403	BL40B2	内田 欣吾	
			2019B1077	BL40B2	内田 欣吾	
			2020A1072	BL40B2	内田 欣吾	
			2021B1121	BL40B2	内田 欣吾	
			2021B1122	BL40B2	内田 欣吾	
			2021B1188	BL02B1	内田 欣吾	
			2022A1141	BL40XU	内田 欣吾	
46938	Mizuki Kira	24 (2024) 3133-3139	2020A0747	BL45XU	佐藤 宗太	Chiral Inversion of Thalidomide During Crystal Growth by Sublimation
			2021A1315	BL45XU	佐藤 宗太	
			2021B1512	BL26B1	佐藤 宗太	

Electrochemistry

46764	Yumi Katasho	92 (2024) 043004	2021A1313	BL28B2	片所 優宇美	In Situ X-ray Diffraction and Crystal Orientation Analysis for Dy-Ni Electrochemical Alloying and De-alloying in Molten LiCl-KCl-DyCl ₃
			2021B1384	BL28B2	片所 優宇美	
46931	Mitsuhiro Kishimi	92 (2024) 057001	2016B7609	BL28XU	松原 英一郎	Analytical Observation of Cathodic Zinc Deposition in High-Capacity Zinc Oxide Electrodes for Rechargeable Zinc-based Batteries: Influence of the Current Rate in the First Charging
			2017A7609	BL28XU	松原 英一郎	
			2017B1785	BL46XU	松原 英一郎	
			2017B7609	BL28XU	松原 英一郎	
47066	Lu Yin	91 (2023) 077005	2021B1874	BL46XU	駒場 慎一	Application of Modified Styrene-Acrylic-Rubber-based Latex Binder to LiCoO ₂ Composite Electrodes for Lithium-ion Batteries
			2022A1657	BL46XU	駒場 慎一	
			2022B1838	BL46XU	駒場 慎一	

Journal of Materials Chemistry A

47009	Moritz Hirsbrunner	12 (2024) 13852-13859	2018B1474	BL27SU	Duda Laurent	Effects of Partial Isovalent Substitution of V with (Ti,Fe) on Redox Reactivity in Li ₂ VO ₂ F Battery Cathodes
47021	Kei Okamoto	10 (2022) 23023-23027	2020A1659	BL02B2	岡本 啓	Stabilization of a High H ⁻ -conducting Phase via K Doping of Ba-Li Oxyhydride
			2019A1084	BL02B2	竹入 史隆	
			2018B1099	BL02B2	竹入 史隆	
47060	Zachary T. Gossage	11 (2023) 914-925	2021B1874	BL46XU	駒場 慎一	Fluorosulfonamide-type Electrolyte Additives for Long-life K-ion Batteries

Journal of Molecular Liquids

46941	Keisuke Matsuoka	348 (2022) 118422	2021B1652	BL40B2	吉村 倫一	Vesicle Formation of Disodium Lauryl Sulfosuccinate
46945	Koichi Ozaki	403 (2024) 124822	2018B7574	BL07LSU	崔 藝濤	Hydrogen-bonded Structure of Hydrated Water in Polyvinyl Pyrrolidone Aqueous Solution Investigated by X-ray Absorption and Emission Spectroscopy
			2019B7468	BL07LSU	山添 康介	
			2020A7482	BL07LSU	山添 康介	
46966	Cyril Micheau	401 (2024) 124372	2019B1177	BL37XU	元川 竜平	Organization of Malonamides from the Interface to the Organic Bulk Phase

Journal of Non-Crystalline Solids

46762	Satoshi Hiroi	631 (2024) 122914	2023A1401	BL04B2	廣井 慧	Structural Study of Crystalline and Amorphous Phases of Si _{0.65} Ge _{0.35} B _x (x = 0, 0.01, 0.05, 0.10) Alloy Prepared by Long-time Mechanical Alloying
			2018B1372	BL04B2	廣井 慧	
46873	Kana Tomita	634 (2024) 122975	2021B1903	BL14B2	富田 夏奈	Phase-separation Transformation Behaviors in NiO Bearing Na ₂ O-B ₂ O ₃ -SiO ₂ Glass and Melt through High-temperature Ni K-edge XAFS and Time-resolved SAXS Measurements
			2021B1963	BL19B2	富田 夏奈	
			2022A1788	BL19B2	富田 夏奈	
47154	Kento Sakaeda	638 (2024) 123070	2023A1654	BL02B2	篠崎 健二	Structure and Crystallization Behavior of Na ₂ O-ZrO ₂ -SiO ₂ -P ₂ O ₅ Glass for Solid-state Electrolyte Separation

Journal of the Physical Society of Japan

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
46900	Noriaki Hamada	93 (2024) 054709	2014B1011	BL47XU	齋藤 智彦	Realistic Simulation of Valence-Band Photoemission Spectra by Using First-Principles Calculations on the Basis of FLAPW Method
			2015A1008	BL09XU	齋藤 智彦	
			2016A1013	BL09XU	齋藤 智彦	
			2016B1006	BL09XU	齋藤 智彦	
			2017A1250	BL09XU	齋藤 智彦	
			2017B1026	BL09XU	齋藤 智彦	
			2017B1303	BL09XU	齋藤 智彦	
			2018A1013	BL09XU	齋藤 智彦	
			2018B1025	BL09XU	齋藤 智彦	
			2019B1013	BL09XU	齋藤 智彦	
2020A1008	BL09XU	齋藤 智彦				
2020A1258	BL09XU	齋藤 智彦				
47054	Kai Ito	93 (2024) 054601	2017A1279	BL04B2	島倉 宏典	Intermolecular Correlations in Liquid Lactic Acid Based on ab initio Molecular Dynamics Simulations Combined with High-Energy X-ray Diffraction Measurements
47203	Mario Okawa	93 (2024) 074709	2016B1006	BL09XU	齋藤 智彦	Charge Disproportionation for Trimerization and Tetramerization in Spinel-Type AlV ₂ O ₄
			2017A1015	BL09XU	溝川 貴司	
			2017A1169	BL09XU	大川 万里生	
			2017A1250	BL09XU	齋藤 智彦	
			2017B1026	BL09XU	齋藤 智彦	

Nano Letters

47035	Yusuke Sakamoto	24 (2024) 5838-5846	2021A1065	BL40B2	西村 智貴	Manipulation of Macrophage Uptake by Controlling the Aspect Ratio of Graft Copolymer Micelles
			2021B1089	BL40B2	西村 智貴	
			2022A1095	BL40B2	西村 智貴	
			2022B1109	BL40B2	西村 智貴	
			2023A1121	BL40B2	西村 智貴	
			2023B1136	BL40B2	西村 智貴	
47102	Limin Yan	24 (2024) 6002-6009	2019B1580	BL10XU	Yang Wenge	Double Superconducting Dome of Quasi Two-Dimensional TaS ₂ in Non-Centrosymmetric van der Waals Heterostructure
47156	Chinmoy Das	22 (2022) 9372-9379	2021B1220	BL04B2	堀毛 悟史	Crystallization Kinetics of a Liquid-Forming 2D Coordination Polymer

Structure

46824	Zengwei Liao	32 (2024) 679-689	2023A0205	EM01CT	山本 雅貴	Structural Insights into Thermophilic Chaperonin Complexes
			2023A0205	EM02CT	山本 雅貴	
46849	Takao Arimori	32 (2024) 536-549	2021B6500	BL44XU	山下 栄樹	Locally Misfolded HER2 Expressed on Cancer Cells is a Promising Target for Development of Cancer-specific Antibodies
46850	Nozomi Sugano-Nakamura	30 (2022) 1411-1423	2021B6500	BL44XU	山下 栄樹	<i>De novo</i> Fc-based Receptor Dimerizers Differentially Modulate PlexinB1 Function
			理研	BL32XU		

ACS Applied Polymer Materials

47110	Hiroki Mori	6 (2024) 3883-3893	2021A1687	BL46XU	森 裕樹	Alkoxy-Substituted Anthrabisthiadiazole-Benzodithiophene-Based Wide-Band-Gap Semiconducting Polymers for High-Performance Non-Fullerene Solar Cells
			2020A1742	BL46XU	但馬 敬介	
			2020A1875	BL46XU	佐伯 昭紀	
			2021A1558	BL46XU	尾坂 格	
			2021A1641	BL46XU	但馬 敬介	
			2021B1711	BL46XU	佐伯 昭紀	
			2021B1935	BL46XU	但馬 敬介	
			2022A1656	BL13XU	尾坂 格	
			2022B1811	BL13XU	佐伯 昭紀	
47195	Chen Shen	4 (2022) 7240-7249	2021B1733	BL19B2	蟹江 澄志	Magnetorheological Elastomer Films with Controlled Anisotropic Alignment of Polystyrene-Modified Fe ₃ O ₄ Nanoplates
			2021A1540	BL19B2	蟹江 澄志	
			2021A7207	BL03XU	増井 友美	
			2021B7257	BL03XU	増井 友美	

ACS Macro 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
46874	Tomoki Mure	13 (2024) 537-541	2021A1162	BL40B2	平井 智康	Chiral Transfer of Linear Polysiloxane with Preferred-Handed Helical Conformation
			2021B1157	BL40B2	平井 智康	
			2022A1189	BL40B2	平井 智康	
			2022B1131	BL40B2	平井 智康	
			2023A1197	BL40B2	平井 智康	
47196	Ryo Mashita	13 (2024) 847-852	2020A0567	BL09XU	間下 亮	Microscopic Observation of the Anisotropy of the Johari – Goldstein- β Process in Cross-Linked Polybutadiene on Stretching by Time-Domain Interferometry
			2020A0694	BL04B2	齋藤 真器名	
			2020A1164	BL09XU	間下 亮	
			2020A1329	BL09XU	瀬戸 誠	
			2021B1326	BL35XU	間下 亮	
			2022A1471	BL35XU	間下 亮	
			2022B1234	BL35XU	間下 亮	
			2023A1437	BL35XU	間下 亮	
2023B1207	BL35XU	間下 亮				

Acta Materialia

46799	Hui Liu	243 (2023) 118505	2020A1054	BL44B2	Chen Jun	Correlating Hidden Local Structural Distortion Antiferroelectric-ferroelectric Transition in PbZrO ₃ -based Perovskites
47126	Tatsuo Tada	274 (2024) 120027	2021B1206	BL25SU	白土 優	Growth-associated Emergence of Spontaneous Magnetization in Al-doped Cr ₂ O ₃ Thin Film
			2021B1207	BL01B1	白土 優	

Advanced Science

46794	WooSeung Ham	10 (2023) 2206800	2020A1481	BL25SU	Kim Sanghoon	Bulk Rashba-Type Spin Splitting in Non-Centrosymmetric Artificial Superlattices
			2017B0924	BL25SU	千葉 大地	
47100	Nao Komiyama	11 (2024) 2309226	2022B1228	BL04B2	桑折 道済	Magnetic Supramolecular Spherical Arrays: Direct Formation of Micellar Cubic Mesophase by Lanthanide Metallomesogens with 7-Coordination Geometry

Angewandte Chemie International Edition

47000	Takuo Minato	62 (2023) e202309469	2021B1018	BL02B1	小島 達弘	A Cationic Metal Glue Strategy for Expanding Paramagnetic Hetero-Multinuclear Metal-Oxo Clusters within Polyoxometalate Ligands
			2022A1004	BL02B1	小島 達弘	
			2022B1781	BL02B1	小島 達弘	
47130	Koki Kasuya	63 (2024) e202404700	2022A1093	BL40XU	久木 一朗	Photo-Responsive Hydrogen-Bonded Molecular Networks Capable of Retaining Crystalline Periodicity after Isomerization
			2022B1151	BL40XU	久木 一朗	
			2023B1142	BL40XU	久木 一朗	

Applied Physics Letters

46925	Tomoki Uchiyama	124 (2024) 171105	2021A1638	BL14B2	内山 智貴	Direct Recording and Reading of Mechanical Force by Afterglow Evaluation of Multi-piezo Mechanoluminescent Material Li _{0.12} Na _{0.88} NbO ₃ on Well-designed Morphotropic Phase Boundary
			2021A1668	BL14B2	内山 智貴	
			2021A1685	BL14B2	内山 智貴	
			2021B1039	BL39XU	内山 智貴	
			2022A1773	BL19B2	内山 智貴	
47149	S. Nakata	124 (2024) 202405	2022A3231	BL24XU	住田 弘祐	Spectroscopic Investigations on Trivalent Ruthenium Ions in Ruthenium Perovskite Oxide Thin Films
			2022B3231	BL24XU	住田 弘祐	

Applied Surface Science

46805	Kaito Fujitani	637 (2023) 157891	2022A3231	BL24XU	住田 弘祐	Preferential Side Chain Scission of Polytetrafluoroethylene by Bending Stress
			2022B3231	BL24XU	住田 弘祐	
46905	Asahiko Matsuda	659 (2024) 159941	2016A4600	BL15XU	Gerlach Dominic	NF ₃ and F ₂ Gas Fluorination of GaN Surface and Pt/GaN Interface Analyzed by Hard X-ray Photoelectron Spectroscopy
			2016B4601	BL15XU	松田 朝彦	
			2016B4602	BL15XU	長田 貴弘	
			2017A4604	BL15XU	松田 朝彦	

Catalysis Science & Technology

46766	Qing Yu	14 (2024) 2730-2738	2019B1820	BL14B2	山口 和也	Ni-catalyzed Undirected and Regioselective Acceptorless Dehydrogenative Silylation of Primary Benzylic C(sp ³)-H bonds
			2021A1620	BL14B2	山口 和也	
			2022A1803	BL14B2	矢部 智宏	
47148	Keiju Wachi	13 (2023) 4744-4752	2022B1656	BL14B2	矢部 智宏	Role of Polyoxometalate Precursors and Supports in the Selective Oxidation of Methane into Formaldehyde using Supported Metal Oxide Subnanocluster Catalysts

Chemical 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
46935	Takuya Kurihara	60 (2024) 5074-5077	2021B1312	BL02B2	栗原 拓也	CO ₂ -induced Gate-opening Structural Transition Process of a Porous Coordination Polymer Revealed by Solid-state ¹³ C NMR
47155	Chonwarin Thanaphatkosol	58 (2022) 6064-6067	2021A1239	BL04B2	堀毛 悟史	Modulation of Proton Conductivity in Coordination Polymer Mixed Glasses

Chemistry Letters

46763	Naoki Kanno	53 (2024) upad014	2021A3741	BL22XU	中瀬 正彦	Determination of Fe ²⁺ in Tin Oxide-containing Glass through Valence-Selective Solvent Extraction and Colorimetric Analysis Following Glass Decomposition
			2021B3739	BL22XU	中瀬 正彦	
			2022A3738	BL22XU	中瀬 正彦	
47034	Yuki Watanabe	52 (2023) 430-433	2021B1832	BL01B1	渡邊 雄貴	Bismuth Substitution in HSbOI with Positively-charged Oxide Clusters

Earth and Planetary Science Letters

46868	Yuichiro Mori	634 (2024) 118673	2021A1522	BL04B1	鍵 裕之	Hydrogenation of Silicon-bearing Hexagonal Close-packed Iron and its Implications for Density Deficits in the Inner Core
			2021B1646	BL04B1	鍵 裕之	
			2022A0314	BL04B1	森 悠一郎	
47127	Marisa C. Wood	641 (2024) 118792	2021B1254	BL04B1	Greaux Steeve	Sound Velocities in Lunar Mantle Aggregates at Simultaneous High Pressures and Temperatures: Implications for the Presence of Garnet in the Deep Lunar Interior
			2022B1317	BL04B1	Greaux Steeve	

The FEBS Journal

46786	Haruo Ogawa	291 (2024) 2273-2286	2009B1534	BL41XU	小川 治夫	Structural Insight into Hormone Recognition by the Natriuretic Peptide Receptor-A
			2010A1493	BL41XU	小川 治夫	
			2010B1533	BL41XU	小川 治夫	
			2011A1287	BL41XU	小川 治夫	
			2012B1798	BL41XU	小川 治夫	
			2016A2512	BL41XU	小川 治夫	
47103	Seiji Negoro	290 (2023) 3400-3421	2014B6925	BL44XU	柴田 直樹	X-ray Crystallographic and Mutational Analysis of the NylC Precursor: Catalytic Mechanism of Autocleavage and Substrate Hydrolysis of Nylon Hydrolase

FEBS Open Bio

46933	Mohammad R. Haque	9 (2019) 618-628	2016B6654	BL44XU	山本 幸治	Molecular Structure of a 5,10-methylenetetrahydrofolate Dehydrogenase from the Silkworm <i>Bombyx mori</i>
			2017A6764	BL44XU	山本 幸治	
			2017B6764	BL44XU	山本 幸治	
47112	Julia Kitadokoro	14 (2024) 942-954	2020A6512	BL44XU	北所 健悟	Crystal Structure of <i>Staphylococcus aureus</i> Lipase Complex with Unsaturated Petroselinic Acid
			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	
			2023B6809	BL44XU	北所 健悟	
			2019A6912	BL44XU	北所 健悟	

Inorganics

46767	Martina Vrankic	12 (2024) 99	2017B1358	BL44B2	高林 康裕	On the Structural and Vibrational Properties of Solid Endohedral Metallofullerene Li@C ₆₀
			2017B1276	BL10XU	高林 康裕	
			2018A1398	BL44B2	高林 康裕	
			2017A4131	BL12B2	Prassides Kosmas	
			2017A1363	BL44B2	Prassides Kosmas	
			2022A1699	BL10XU	芳鐘 順也	
46876	Shinnosuke Usuba	12 (2024) 66	2022A1200	BL02B1	箕浦 真生	[1]Ferrocenophane Bridged by a 9-Silafluorenylidene Moiety
			2022A1354	BL02B1	村田 理尚	
			2022A1584	BL02B1	森迫 祥吾	
			2022A1705	BL02B1	成田 皓樹	
			2022B1626	BL02B1	村田 理尚	
			2022B0589	BL02B1	森迫 祥吾	
			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	

JACS Au

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
46967	Chisato Nishikawa	3 (2023) 3194-3203	2022A1656	BL13XU	尾坂 格	Exploration of Solution-Processed Bi/Sb Solar Cells by Automated Robotic Experiments Equipped with Microwave Conductivity
			2022B1811	BL13XU	佐伯 昭紀	
			2021B1711	BL46XU	佐伯 昭紀	
47044	Yin-cheng Hsieh	4 (2024) 2130-2150	2018A6600	BL44XU	Chen Chun Jung	Structure-Based High-Efficiency Homogeneous Antibody Platform by Endoglycosidase Sz Provides Insights into Its Transglycosylation Mechanism
			2018B6600	BL44XU	Chen Chun Jung	
			2019A6600	BL44XU	Chen Chun Jung	
			2019B6600	BL44XU	Chen Chun Jung	

Journal of Electron Spectroscopy and Related Phenomena

47140	Genki Suzuki	274 (2024) 147450	2016B1441	BL47XU	池永 英司	Reassessment of the Shirley and Model Functions within X-ray Photoelectron Spectroscopy Analysis Utilizing Comprehensive Search Methodologies of Bayesian Inference
			2017B1413	BL47XU	池永 英司	
			2018A1212	BL47XU	池永 英司	
			2018B1497	BL47XU	池永 英司	
			2019A0067	BL47XU	池永 英司	
			2019B1229	BL09XU	池永 英司	
			2021B1477	BL09XU	池永 英司	
47151	A. Yamaguchi	267 (2023) 147385	2021A3231	BL24XU	住田 弘祐	Soft X-ray Microspectroscopic Imaging Studies of Exfoliated Surface between Fluoropolymer and Cu Plate Directly Bonded by Plasma Irradiation with Ammonia Gas
			2022B3231	BL24XU	住田 弘祐	

Journal of Oleo Science

46942	Keisuke Matsuoka	70 (2021) 911-918	2018A1688	BL40B2	矢田 詩歩	Micelle Formation of Monoammonium Glycyrrhizinate
46943	Keisuke Matsuoka	72 (2023) 831-837	2022B1476	BL40B2	吉村 倫一	Micelle Formation of Dodecanoic Acid with Alkali Metal Counterions

Journal of Solid State Chemistry

46853	Kohei Matsuzaki	329 (2024) 124380	2021A1599	BL02B2	安井 雄太	Structural and Electrical Properties of Bi ₃ GaSb ₂ O ₁₁ at High Temperatures
			2021B1826	BL02B2	矢口 寛	
			2022A1270	BL02B2	藤井 孝太郎	
46904	Seiya Shimono	334 (2024) 124685	2022B1816	BL19B2	山田 幾也	High-pressure Synthesis and Magnetic Characterization of Quadruple Perovskites SmA' ₃ Co ₄ O ₁₂ (A' = Cu, Mn)

Journal of Solid State Electrochemistry

46819	Hiroshi Yamaguchi	(2024) Online published 5 Apr. 2024	2017B1847	BL08W	尾原 幸治	Formation Process of Halogen-rich Argyrodite: Elemental Disordering of Atomic Arrangement at the 4a and 4d Sites in a Heat Treatment
			2018A1304	BL08W	尾原 幸治	
			2018B1348	BL08W	尾原 幸治	
			2021A1267	BL04B2	尾原 幸治	
			2021B1362	BL37XU	尾原 幸治	
			2021B2086	BL37XU	尾原 幸治	
46840	Atsushi Yao	(2024) Online published 15 Apr. 2024	2020A1702	BL08W	宇都野 太	In situ Structural Characterization of Li ₃ PS ₄ Solid Electrolytes under High Pressure
			2020A1703	BL04B2	宇都野 太	
			2021A1267	BL08W	尾原 幸治	
			2021B1744	BL08W	尾原 幸治	
			2022A1238	BL08W	尾原 幸治	
			2022B1224	BL08W	尾原 幸治	

Metallomics

47075	Masato Tokoro	16 (2024) mfae009	2014B1765	BL37XU	藤田 健太郎	Uptake and Accumulation Mechanisms of Hexachloroplatinate(IV) Ions in the Unicellular Alga, <i>Pseudococcomyxa simplex</i>
			2015A1803	BL37XU	高橋 拓人	
			2016A1710	BL37XU	今村 悠	
47099	Robby Noor Cahyono	12 (2020) 337-345	2018B2707	BL26B1	長尾 聡	3D Domain Swapping of Azurin from <i>Alcaligenes xylosoxidans</i>
			2018B2707	BL38B1	長尾 聡	

Nanoscale

47036	Daisuke Ogawa	16 (2024) 7908-7915	2023A1121	BL40B2	西村 智貴	A Magnetically Responsive Photonic Crystal of Graphene Oxide Nanosheets
47145	Butsaratip Suwattananuruk	16 (2024) 12474-12481	2021B1941	BL14B2	植竹 裕太	Dehydrogenative Oxidation of Hydrosilanes using Gold Nanoparticle Deposited on Citric Acid-modified Fibrillated Cellulose: Unveiling the Role of Molecular Oxygen
			2022B1890	BL14B2	植竹 裕太	

Nature 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
46877	Allan S. Johnson	20 (2024) 970-975	2018A8007	BL3	Wall Simon	All-optical Seeding of a Light-induced Phase Transition with Correlated Disorder
			2019A8038	BL3	Trigo Mariano	
			2019B8075	BL3	Trigo Mariano	
47178	Anita Verma	20 (2024) 807-814	2019A8084	BL3	Singer Andrej	Picosecond Volume Expansion Drives a Later-time Insulator-Metal Transition in a Nano-textured Mott Insulator

NPG Asia Materials

46857	Yohei Onodera	16 (2024) 22	2019A1722	BL13XU	滝本 康幸	Formation of a Zirconium Oxide Crystal Nucleus in the Initial Nucleation Stage in Aluminosilicate Glass Investigated by X-ray Multiscale Analysis
47030	Kakeru Ujimoto	16 (2024) 20	2015A1215	BL39XU	白土 優	Giant Gate Modulation of Antiferromagnetic Spin Reversal by the Magnetoelectric Effect
			2017A1212	BL39XU	白土 優	
			2018B1338	BL39XU	白土 優	
			2022A1205	BL25SU	白土 優	
			2022A1206	BL25SU	大河内 拓雄	
			2022B1247	BL25SU	白土 優	
2022B1245	BL39XU	白土 優				

Physical Chemistry Chemical Physics

47011	Weronika O. Razmus	26 (2024) 12725-12737	2021B8052	BL1	Forbes Ruaridh	Exploring the Ultrafast and Isomer-dependent Photodissociation of Iodothiophenes via Site-selective Ionization
47122	Shohei Tada	26 (2024) 14037-14045	2023B1576	BL14B2	多田 昌平	Difference in Reaction Mechanism between ZnZrO _x and InZrO _x for CO ₂ Hydrogenation

Physical Review Letters

46808	Jie Chen	132 (2024) 156701	2023A2361	BL02B2	山浦 一成	Exotic Magnetism in Perovskite KO ₂ O ₃
			2023B1676	BL02B2	山浦 一成	
47176	Makina Saito	132 (2024) 256901	2019B1442	BL09XU	間下 亮	Broadband Quasielastic Scattering Spectroscopy using a Multiline Frequency Comblike Spectrum in the Hard X-ray Region
			2020A0693	BL09XU	齋藤 真器名	
			2020A2038	BL09XU	依田 芳卓	
			2021B1439	BL35XU	齋藤 真器名	
			2022A1343	BL35XU	齋藤 真器名	
2022B1293	BL35XU	齋藤 真器名				

Physical Review Materials

46843	Zhe Zhang	7 (2023) 125402	2020A0678	BL04B2	Li Bing	Local Atomic Structures and Lattice Dynamics of Inverse Colossal Barocaloric Ammonium Thiocyanate
47088	Ryo Toyama	7 (2023) 084401	2023A1563	BL13XU	桜庭 裕弥	Origin of Negative Anisotropic Magnetoresistance Effect in Fe _{0.75} Co _{0.25} Single-crystal Thin Films upon Ir Addition

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

46939	Kyouko Itoh	116 (2019) 19945-19951	2010B6500	BL44XU	山下 栄樹	Monomeric Structure of an Active Form of Bovine Cytochrome c Oxidase
			2011A6500	BL44XU	山下 栄樹	
47040	Koji Kato	121 (2024) e2319658121	2022A2728	EM01CT	Shen Jian-Ren	The Structure of PSI-LHCI from <i>Cyanidium caldarium</i> Provides Evolutionary Insights into Conservation and Diversity of Red-lineage LHCs
			2023A2716	EM01CT	Shen Jian-Ren	

Protein Science

46962	Peng Lu	33 (2024) e4881	2017B6733	BL44XU	永田 宏次	Molecular Mechanism of Fe ³⁺ Binding Inhibition to <i>Vibrio metschnikovii</i> Ferric Ion-binding Protein, FbpA, by Rosmarinic Acid and Its Hydrolysate, Danshensu
			2018B6831	BL44XU	永田 宏次	
			2020A6528	BL44XU	永田 宏次	
			2021A6625	BL44XU	永田 宏次	
			2021B6625	BL44XU	永田 宏次	
			2022A6721	BL44XU	永田 宏次	
			2022B6721	BL44XU	永田 宏次	
2023A6821	BL44XU	永田 宏次				
47025	Gert-Jan Bekker	32 (2023) e4775	2022A2733	BL45XU	沼本 修孝	Elucidation of Binding Mechanism, Affinity, and Complex Structure between mWT1 Tumor-associated Antigen Peptide and HLA-A*24:02

Scripta Materialia

研究成果番号	主著者	雑誌情報	課題番号	ビームライン	実験責任者	タイトル
46858	Qilong Gao	187 (2020) 119-124	2019A1095	BL04B2	Chen Jun	Large Isotropic Negative Thermal Expansion in Water-free Prussian Blue Analogues of ScCo(CN) ₆
			2019A1167	BL02B2	Chen Jun	
			2019A1340	BL04B2	Liang Erjun	
46879	Kartik Prasad	200 (2021) 113896	2020A1758	BL46XU	鳥塚 史郎	<i>In situ</i> Synchrotron Diffraction Study of a Crack-free Additively Manufactured Ni Base Superalloy

Soft Matter

47055	Changming Jin	18 (2022) 5027-5036	2021B1830	BL40B2	金 昌明	Synergetic Improvement in the Mechanical Properties of Polyurethanes with Movable Crosslinking and Hydrogen Bonds
			2022A1505	BL43IR	池本 夕佳	
47056	Naoki Yamashita	19 (2023) 9074-9081	2022B1704	BL43IR	金 昌明	Enhancement of the Mechanical Properties of Organic-Inorganic Hybrid Elastomers by Introducing Movable and Reversible Crosslinks
			2022B1705	BL40B2	河合 優作	
			2022B1934	BL19B2	高島 義徳	
			2023B1616	BL19B2	山岡 賢司	

2023 22nd International Conference on Solid-State Sensors, Actuators and Microsystems

47085	Kentaro Kotoya	(2024) 757-760	2019A1126	BL28B2	清水 啓史	Microfluidic-Based Diffracted X-ray Tracking Method for Real-Time Observation of Ion Channel Twist Motion Under Sequential Chemical Stimuli
			2019B1200	BL28B2	清水 啓史	
			2020A1167	BL28B2	清水 啓史	
			2021A1197	BL28B2	清水 啓史	
			2021B1289	BL28B2	清水 啓史	
			2022A1431	BL28B2	清水 啓史	
			2022B1771	BL28B2	清水 啓史	

ACS Applied Electronic Materials

46834	Santosh P. Chiniwar	6 (2024) 1078-1086	2018B4127	BL12B2	Tseng Yuan-Chieh	Ferroelectric Enhancement in a TiN/Hf _{1-x} Zr _x O ₂ /W Device with Controlled Oxidation of the Bottom Electrode
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ACS Applied Materials & Interfaces

47061	Asako Oishi	14 (2022) 51808-51818	2021B1874	BL46XU	駒場 慎一	Sulfated Alginate as an Effective Polymer Binder for High-Voltage LiNi _{0.5} Mn _{1.5} O ₄ Electrodes in Lithium-Ion Batteries
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ACS Materials Letters

46842	Takuya Ohmi	6 (2024) 1913-1919	2022A1191	BL02B2	山本 隆文	FA _n Pb ₂ l _{7.5} (SCN) _{0.5} : n = 3 Member of Perovskite Homologous Series FA _{n+1} Pb _{n-1} 3n-1.5(SCN) _{0.5} with Columnar Defects
			2022B1579	BL13XU	山本 隆文	
			2023A1502	BL13XU	山本 隆文	

ACS Nano

46838	Yuhao Shi	18 (2024) 9736-9745	2023A1720	BL09XU	金 正煥	Approach to Low Contact Resistance Formation on Buried Interface in Oxide Thin-Film Transistors: Utilization of Palladium-Mediated Hydrogen Pathway
			2023A1917	BL09XU	金 正煥	
			2023B1051	BL09XU	金 正煥	
			2023B1851	BL09XU	金 正煥	

ACS Omega

47125	Ritsuko Eguchi	9 (2024) 21287-21297	2022B1350	BL47XU	久保園 芳博	Superstructure of Fe _{5-x} GeTe ₂ Determined by Te K-Edge Extended X-ray Absorption Fine Structure and Te K α X-ray Fluorescence Holography
			2022B1055	BL14B2	正井 博和	
			2023A1814	BL14B2	正井 博和	

Advanced Electronic Materials

47045	Yuto Watanabe	(2024) Online published 14 Mar. 2024	2023A1254	BL10XU	水口 佳一	Pressure-Induced Volumetric Negative Thermal Expansion in CoZr ₂ Superconductor
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Advanced Functional Materials

47012	Ni Zhang	33 (2023) 2300830	2022A1654	BL19B2	柴山 直之	Host-Guest Complexation Strategy for Passivating Pb-Dimer Related Defects in Perovskite Photovoltaics
			2022B0599	BL19B2	柴山 直之	
			2022B1906	BL19B2	柴山 直之	
			2022B1913	BL46XU	柴山 直之	

Advanced 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
46908	Jing Sun	32 (2020) 2002968	2019A1095	BL04B2	Chen Jun	Negative-Pressure-Induced Large Polarization in Nanosized PbTiO ₃
			2019A1167	BL02B2	Chen Jun	
			2019B1120	BL44B2	Chen Jun	
			2018B1045	BL04B2	Xing Xianran	

Advanced Sustainable Systems

46768	Yasuhiro Takabayashi	8 (2024) Online published 9 Mar. 2024	2019A7616	BL28XU	安部 武志	Operando Combined SAXS/XRD/XAFS Measurements of Lithium Conversion Battery
			2019B7616	BL28XU	安部 武志	
			2020A7616	BL28XU	安部 武志	
			2021B7618	BL28XU	安部 武志	

AIP Advances

46964	Mitsunori Honda	13 (2023) 015314	2017A3506	BL11XU	本田 充紀	EXAFS Investigation of Strontium Adsorption onto Weathered Biotite
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AIP Conference Proceedings

47092	Yoko Takeo	2990 (2023) 030004	2020A8114	BL1	江川 悟	Multi-aperture Grating for Spectroscopic and Microscopic Imaging with Single-shot X-ray Pulse
			2021A8030	BL1	江川 悟	
			2021B8042	BL1	江川 悟	

American Mineralogist

47133	Nozomi M. Kondo	109 (2024) 1045-1053	2021A1068	BL37XU	河野 義生	Different Structural Behavior of MgSiO ₃ and CaSiO ₃ Glasses at High Pressures
			2020A0600	BL37XU	河野 義生	
			2019B1111	BL37XU	河野 義生	
			2021A1096	BL04B2	近藤 望	
			2021A1087	BL04B2	河野 義生	
			2019B1495	BL04B2	近藤 望	

Analyst

46965	Takumi Yomogida	149 (2024) 2932-2941	2020A0174	BL37XU	高橋 嘉夫	Application of Transition-edge Sensors for Micro-X-ray Fluorescence Measurements and Micro-X-ray Absorption Near Edge Structure Spectroscopy: a Case Study of Uranium Speciation in Biotite Obtained from a Uranium Mine
			2021A1610	BL37XU	蓬田 匠	
			2019A1523	BL37XU	高橋 嘉夫	
			2019B1498	BL37XU	高橋 嘉夫	

APL Energy

46822	Veenavee Nipunika Kothalawala	2 (2024) 026102	2022A1454	BL08W	Barbiellini Bernardo	Determining Effects of Doping Lithium Nickel Oxide with Tungsten using Compton Scattering
			2023A1475	BL08W	鈴木 宏輔	

APL Materials

47160	Thanakorn Tiyawarakul	11 (2023) 041119	2022B1617	BL14B2	堀毛 悟史	Macroscopic Shaping of Coordination Polymer via Crystal-glass Phase Transformation as Monolithic Catalyst for Efficient Catalyst Recovery
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Applied Catalysis A, General

47166	Jungmok Oh	681 (2024) 119783	2021A3649	BL14B1	唐 佳藝	P-modified Pt/Al ₂ O ₃ Catalysts for Selective Propane Dehydrogenation
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Applied Catalysis B

47039	Wen-Ta Yang	352 (2024) 124017	2023A4133	BL12B2	Kao Li-Cheng	Mechanistic Insights into Temperature Hysteresis in CO Oxidation on Cu-TiO ₂ Mesosphere
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Archives of Biochemistry and Biophysics

47194	Mutsumi Yoshida	758 (2024) 110068	2022B2529	BL38B1	織田 昌幸	Affinity-matured Antibody with a Disulfide Bond in H-CDR3 Loop
			2023A2728	BL38B1	織田 昌幸	

Arthropod Structure & Development

46780	Zixin Cheng	66 (2022) 101141	2016A1269	BL47XU	Blanke Alexander	Exploration of the Homology among the Muscles Associated with the Female Genitalia of the Three Suborders of Psocodea (Insecta)
			2017B1712	BL47XU	小川 直記	
			2018B1725	BL20B2	小川 直記	

Asian Journal of Organic Chemistry

46957	Koya Uno	13 (2024) e202400039	2019B1452	BL40B2	前田 大光	Preparation and Structures of Multicomponent Crystals Composed of Heteroaromatic Cations, <i>p</i> -Toluenesulfonate Anion, and Aromatic Hydrogen-Bond Donors
			2021A1609	BL02B1	水口 敬	

Batteries and Supercaps

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
47065	Masayoshi Matsuzaki	7 (2024) e202400009	2019B1850	BL46XU	久保田 圭	Application of Na ₂ CO ₃ as a Sacrificial Electrode Additive in Na-ion Batteries to Compensate for the Sodium Deficiency in Na ₂ [Fe _{1/2} Mn _{1/2}]O ₂
			2021B1874	BL46XU	駒場 慎一	

Biochemical Journal

46912	Takafumi Kawai	479 (2022) 1127-1145	2016A6500	BL44XU	山下 栄樹	Insight into the Function of a Unique Voltage-sensor Protein (TMEM266) and its Short Form in Mouse Cerebellum
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Biochemistry and Biophysics Reports

46914	Daisuke Sasaki	38 (2024) 101712	2018B1435	BL40XU	関口 博史	Micro-second Time-resolved X-ray Single-molecule Internal Motions of SARS-CoV-2 Spike Variants
			2020A2022	BL40XU	関口 博史	
			2021B1393	BL40XU	佐々木 裕次	
			2022A1337	BL40XU	佐々木 裕次	

Biochimica et Biophysica Acta - Molecular Cell Research

47031	Kazuhiro Abe	1870 (2023) 119543	2023B2518	EM01CT	阿部 一啓	An Unusual Conformation from Na ⁺ -sensitive Non-gastric Proton Pump Mutants Reveals Molecular Mechanisms of Cooperative Na ⁺ -binding
			2022B2522	EM01CT	阿部 一啓	

Biological and Pharmaceutical Bulletin

47199	Ryuichiro Mochizuki	47 (2024) 1224-1230	2018A1200	BL40B2	橋崎 要	Preparation and Application of Decanoic Acid/Arginine Hydrogels to a Transdermal Formulation
			2020A1076	BL40B2	橋崎 要	
			2022A1143	BL40B2	橋崎 要	

Biomacromolecules

46930	Kayoko Kobayashi	25 (2024) 864-870	2022A1487	BL40B2	小林 加代子	Elucidation of the Specific Ion Effects and Intermediate Structures of Cellulose Fibers Swollen in Inorganic Salt Solutions via In Situ X-ray Diffraction
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Biophysics and Physicobiology

46875	Hiroyuki Iwamoto	21 (2024) e210014	2016B1236	BL40XU	大岩 和弘	X-ray Diffraction Recording from a Small Amount of Fibrous Protein Materials Oriented by a Micro Shear-flow Cell
			2017A1058	BL40XU	大岩 和弘	
			2017B1247	BL40XU	大岩 和弘	
			2018A1079	BL40XU	大岩 和弘	
			2018B1057	BL40XU	大岩 和弘	
			2019A1102	BL40XU	大岩 和弘	
			2019B1124	BL40XU	大岩 和弘	
			2020A1116	BL05XU	大岩 和弘	
2020A2031	BL40XU	岩本 裕之				

ChemCatChem

47042	Masaru Kato	(2024) Online published 22 Apr. 2024	2021B3593	BL11XU	加藤 優	Cu, Fe, N-doped Carbon Nanotubes Prepared through Silica Coating for Selective Oxygen Reduction to Water in Acidic Media
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Chemical Engineering Journal

46856	Kaining Li	488 (2024) 150952	2021A1089	BL01B1	桑原 泰隆	Hollow Carbon Sphere Featuring Highly Dispersed Co-N _x Sites for Efficient and Controllable Syngas Electrosynthesis from CO ₂
			2023A1676	BL01B1	桑原 泰隆	

Chemistry - An Asian Journal

46894	Koh Sugamata	19 (2024) e202400262	2023B1878	BL02B1	菅又 功	Reactivity of a Linear 2-Germapropadiene with Acids, Ketones, and Amines
			2023B1675	BL02B1	菅又 功	
			2023A1925	BL02B1	菅又 功	
			2023A1771	BL02B1	菅又 功	
			2022B1149	BL40XU	畠山 琢次	
			2022A1705	BL02B1	成田 皓樹	
			2022B1626	BL02B1	村田 理尚	
			2022A1584	BL02B1	森迫 祥吾	
			2022A1354	BL02B1	村田 理尚	
			2022A1200	BL02B1	箕浦 真生	
			2021B1798	BL02B1	早川 雅大	
			2021B1833	BL02B1	成田 皓樹	
			2021B1435	BL02B1	村田 理尚	
			2021B1132	BL02B1	森迫 祥吾	
			2021A1578	BL02B1	早川 雅大	
2021A1592	BL02B1	西野 龍平				

Chemistry and Physics of Lipids

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
46940	Keisuke Matsuoka	259 (2024) 105378	2019B1782	BL40B2	河合 里紗	Micelle Formation of Sodium Tauroithocholate

Chemosphere

46800	Kazuya Tanaka	355 (2024) 141837	2020A1423	BL01B1	田中 万也	Microbially Formed Mn(IV) Oxide as a Novel Adsorbent for Removal of Radium
			2021A1382	BL01B1	田中 万也	

ChemPhysChem

47090	Lise Joost Stöckler	24 (2023) e202300407	2022A8003	BL2	Iversen Bo	Pair Distribution Function from Liquid Jet Nanoparticle Suspension using Femtosecond X-ray Pulses
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Chinese Physics Letters

47046	Xin He	40 (2023) 107403	2023B1273	BL10XU	Liu Arthur Haozhe	Superconductivity above 30K Achieved in Dense Scandium
			2023B1182	BL10XU	Liu Arthur Haozhe	

Communications Biology

46960	Yusuke Anan	7 (2024) 149	2022A6721	BL44XU	永田 宏次	Molecular and Structural Basis of Anti-DNA Antibody Specificity for Pyrroled Proteins
			2022B6721	BL44XU	永田 宏次	

Communications Materials

46855	Riho Morikawa	4 (2023) 42	2021B1826	BL02B2	矢口 寛	High Proton Conduction in Ba ₂ LuAlO ₅ with Highly Oxygen-deficient Layers
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Dalton Transactions

47026	Nur Ika Puji Ayu	52 (2023) 15420-15425	2019A1084	BL02B2	竹入 史隆	A New Family of Anti-perovskite Oxyhydrides with Tetrahedral GaO ₄ Polyaniions
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e-Journal of Surface Science and Nanotechnology

46985	Yasuhiro Takabayashi	(2024) Online published May 11, 2024	2021B7619	BL28XU	安部 武志	<i>In-situ</i> Study of Solid-Liquid Interface Structure of Zinc-anode Battery by X-ray Total Reflection
			2022A7619	BL28XU	安部 武志	
			2022B7619	BL28XU	安部 武志	

ECS Transactions

47181	Kaoruko Morita	113 (2024) 11	2022B1197	BL37XU	折笠 有基	<i>In-situ</i> X-ray Fluorescence Analysis of In-plane Cerium-ion Distribution Under Humidity Gradients in Proton Exchange Membrane
			2022B7120	BL33XU	北野 直紀	
			2023A7120	BL33XU	北野 直紀	
			2023B1189	BL37XU	折笠 有基	
			2023B1194	BL37XU	折笠 有基	

eLife

46809	Ye Zhou	8 (2019) e48822	2018A2559	BL41XU	Zhang Cai	Crystal Structure of Dopamine Receptor D4 Bound to the Subtype Selective Ligand, L745870
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Energy Advances

47037	Kazuhiko Mukai	3 (2024) 1099-1110	2023B7045	BL33XU	向 和彦	Mechanisms Underlying the Acid Leaching Process for LiNi _{0.6} Co _{0.2} Mn _{0.2} O ₂ with and without H ₂ O ₂
			2023A7045	BL33XU	向 和彦	
			2022B7008	BL33XU	野中 敬正	

Energy & Fuels

46969	Mingjie Li	38 (2024) 10050-10061	2021B1357	BL01B1	穴戸 哲也	Phosphorus-Enhanced Ru/TiO ₂ Catalysts: A Leap in Selective CO ₂ to CO Conversion
			2019A1522	BL01B1	穴戸 哲也	

Entomological Science

46778	Tatsuki Matoba	27 (2024) e12570	2022A1201	BL20XU	吉澤 和徳	Traumatic Copulation and Counterpart Female Traits are Widespread in Fritillary Butterflies (Lepidoptera: Nymphalidae: Argynnini)
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European Journal of Inorganic Chemistry

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
46796	Mariko Yukimoto	27 (2024) e202300663	2022B1603	BL02B1	箕浦 真生	Synthesis of 1-Adamantylaminogermylene and Its Chalcogenation Reactions
			2021A1361	BL40XU	行本 万里子	
			2022A1200	BL02B1	箕浦 真生	
			2022A1621	BL02B1	行本 万里子	

FEBS Letters

46915	Takaaki Fujiwara	598 (2024) 1422-1437	2021B2559	BL45XU	藤原 孝彰	Structural Basis for the Minimal Bifunctional Alginate Epimerase AlgE3 from <i>Azotobacter chroococcum</i>
			2022A2748	BL45XU	藤原 孝彰	
			2023A2746	BL45XU	藤原 孝彰	

Geophysical Research Letters

47144	Tomohiro Ohuchi	51 (2024) e2024GL108356	2022B1183	BL04B1	大内 智博	Transient Creep in Olivine at Shallow Mantle Pressures: Implications for Time-Dependent Rheology in Post-Seismic Deformation
			2023A1213	BL04B1	大内 智博	

Green Chemistry

46871	Katsumasa Sakoda	26 (2024) 2571-2576	2021B1945	BL14B2	水垣 共雄	Reductive Amination of Carboxylic Acids under H ₂ using a Heterogeneous Pt-Mo Catalyst
			2022B1699	BL14B2	水垣 共雄	
			2022B0519	BL01B1	満留 敬人	
			2022B0586	BL14B2	水垣 共雄	

High Pressure Research

47173	Angelika D. Rosa	(2024) Online published 17 Jun. 2024	2019B1521	BL37XU	石松 直樹	New Opportunities for High Pressure X-ray Absorption Spectroscopy at ID24-DCM and BM23 with the Extremely Brilliant Source of the ESRF
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High Temperature Corrosion of Materials

47053	Masahiro Negami	101 (2024) 511-527	2022A5012	BL16XU	水間 秀一	The Oxidation Behaviors of NiCoCrAlY Coatings After Pre-Oxidation Treatment During High-Temperature Oxidation at 800 °C and 900 °C
			2022B5012	BL16XU	水間 秀一	

Interactions

46775	Satoshi Tsutsui	245 (2024) 55	2020A1346	BL09XU	筒井 智嗣	¹⁴⁹ Sm Synchrotron-radiation-based Mössbauer and μ^+ SR Studies of Sm ₃ Ru ₄ Ge ₁₃
			2020A2025	BL01B1	筒井 智嗣	

International Journal of Modern Physics B

47134	Masatsugu Oishi	38 (2024) 2440008	2017B1437	BL01B1	大石 昌嗣	Characterization of Ca-doped YCoO ₃ Perovskite-type Oxide as Cathode for Solid Oxide Fuel Cells
			2021A1266	BL01B1	大石 昌嗣	

International Journal of Molecular Sciences

46863	Masayoshi Nakasako	21 (2020) 6638	2002B0152	BL40B2	中迫 雅由	Domain Organization in Plant Blue-Light Receptor Phototropin2 of <i>Arabidopsis thaliana</i> Studied by Small-Angle X-ray Scattering
			2003A0106	BL40B2	中迫 雅由	
			2003B0141	BL40B2	中迫 雅由	
			理研	BL45XU		

International Journal of Multiphase Flow

46777	Gyuhan Bae	170 (2024) 104642	2020A1196	BL40XU	文 石洙	Near-field Plume-to-plume Interaction of Multi-hole GDI Injector under Elevated Ambient Density Conditions
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ISIJ International

46936	Yuji Shigeta	64 (2024) 1162-1171	2022A1031	BL20B2	尾崎 由紀子	Use of X-ray CT Imaging to Quantitatively Analyze the Effects of the Pore Morphology on the Tensile Properties of CP-Ti L-PBF Materials
			2021B1021	BL20B2	尾崎 由紀子	

JCI Insight

46787	Glenn Carrington	8 (2023) e172322	2020A1050	BL40XU	Ochala Julien	Human Skeletal Myopathy Myosin Mutations Disrupt Myosin Head Sequestration
			2021B1085	BL40XU	Ochala Julien	

The Journal of Biological Chemistry

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
47032	Hridya Valla Madapally	300 (2024) 105542	2022B2522	EM01CT	阿部 一啓	Specific Protonation of Acidic Residues Confers K ⁺ Selectivity to the Gastric Proton Pump
			2023B2518	EM01CT	阿部 一啓	

Journal of Catalysis

46997	Yuan Jing	416 (2022) 209-221	2020A1695	BL14B2	井 元	Promoting Effect of Basic Metal Additives on DeNO _x Reactions over Pt-based Three-way Catalysts
			2021B1840	BL14B2	井 元	

The Journal of Chemical Physics

47079	N. M. Chitchev	159 (2023) 064507	2019A1054	BL10XU	Solozhenko Vladimir	Local Structure, Thermodynamics, and Melting of Boron Phosphide at High Pressures by Deep Learning-driven <i>ab initio</i> Simulations
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Journal of Coordination Chemistry

46831	Koh Sugamata	76 (2023) 1817-1824	2020A0557	BL02B1	菅又 功	A Zirconium-based Metal-organic Framework with Dibenzo-thiophene Linkers: Synthesis, Structural Analysis, and Gas-adsorption Properties
			2020A0834	BL02B1	西野 龍平	
			2020A1056	BL02B1	笹森 貴裕	
			2020A1644	BL02B1	潘 楊	
			2020A1656	BL02B1	西野 龍平	
			2021A1592	BL02B1	西野 龍平	
			2021A1578	BL02B1	早川 雅大	
			2021B1132	BL02B1	森迫 祥吾	
			2021B1435	BL02B1	村田 理尚	
			2021B1833	BL02B1	成田 皓樹	
			2021B1798	BL02B1	早川 雅大	
			2022A1200	BL02B1	箕浦 真生	
			2022A1354	BL02B1	村田 理尚	
			2022B1626	BL02B1	村田 理尚	
			2022A1705	BL02B1	成田 皓樹	
			2023A1539	BL02B1	森 達哉	
2023A1771	BL02B1	菅又 功				
2023A1925	BL02B1	菅又 功				
2022A1584	BL02B1	森迫 祥吾				

Journal of Dentistry

47076	Xuefei Chen	146 (2024) 105041	2022B1733	BL37XU	陳 雪霏	Enhancement of Mineral Density and Mechanical Properties in Root Caries Treated with Silver Diammine Fluoride and Glass Ionomer Cement, with Emphasis on Silver Ion Distribution
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Journal of Dynamic Behavior of Materials

47169	Hiroaki Kishimura	(2024) Online published 14 Jun. 2024	2023A8611	BL3	岸村 浩明	Shock-Induced Melting and Recrystallization of MoO ₃ Studied by Dynamic X-Ray Diffraction
			2023A8057	BL3	尾崎 典雅	
			2022A8008	BL3	一柳 光平	

The Journal of General and Applied Microbiology

47091	Akihiro Suzuki	69 (2023) 125-130	2017A8006	BL2	西野 吉則	<i>Thermus thermophilus</i> Polyploid Cells Directly Imaged by X-ray Laser Diffraction
			2017B8061	BL2	西野 吉則	
			2018A8047	BL2	西野 吉則	
			2018B8025	BL2	西野 吉則	
			2019A8023	BL2	西野 吉則	

Journal of Magnesium and Alloys

47184	Yutaka Yoshida	12 (2024) 1911-1917	2019B3688	BL14B1	吉田 裕	Analysis of Deformation Mechanisms in Magnesium Single Crystals using a Dedicated Four-point Bending Tester
			2021A3688	BL14B1	吉田 裕	

Journal of Materials Chemistry C

47017	Qin Zhou	12 (2024) 967-973	2022B0599	BL19B2	柴山 直之	Boron Subnaphthalocyanine Additive for Multilocus Passivation of Defects towards Efficient and Stable Perovskite Solar Cells
			2022B1906	BL19B2	柴山 直之	
			2022B1913	BL46XU	柴山 直之	
			2023A1679	BL19B2	柴山 直之	
			2022A1654	BL19B2	柴山 直之	

Journal of Medicinal Chemistry

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
46836	Hidetomo Yokoo	64 (2021) 15868-15882	2020A6503	BL44XU	有竹 浩介	Discovery of a Highly Potent and Selective Degradar Targeting Hematopoietic Prostaglandin D Synthase via In Silico Design

Journal of Mineralogical and Petrological Sciences

47201	Nozomi M. Kondo	119 (2024) 240220	2021B1222	BL04B1	河野 義生	Development of High-speed X-ray Imaging in Multi-anvil Press at the BL04B1 Beamline in SPring-8 for Falling Sphere Viscosity Measurement on Low Viscous Liquid at High Pressure Conditions
			2019A0069	BL04B1	河野 義生	

Journal of Morphology

47107	Azuma Kawata	285 (2024) e21712	2023A1173	BL20B2	松村 洋子	Morphology of the Pterothoracic Musculature in Paraneoptera and its Phylogenetic Implication (Insecta: Neoptera)
			2022A1201	BL20XU	吉澤 和徳	
			2016A1269	BL47XU	Blanke Alexander	
			2017B1712	BL47XU	小川 直記	
			2018B1688	BL47XU	小川 直記	
			2018B1725	BL20B2	小川 直記	

The Journal of Physical Chemistry A

47010	Tiffany Walmsley	128 (2024) 4548-4560	2021A8038	BL1	Forbes Ruaridh	The Role of Momentum Partitioning in Covariance Ion Imaging Analysis
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The Journal of Physical Chemistry Letters

47094	Tomoya Inoue	15 (2024) 5376-5381	2022A1486	BL01B1	中嶋 敦	Extended X-ray Absorption Fine Structure (EXAFS) Measurements on Alkali Metal Superatoms of Ta-Atom-Encapsulated Si ₁₆ Cage
			2022A1008	BL01B1	正井 博和	

Journal of Physics: Condensed Matter

47143	Yukio Kajihara	36 (2024) 345401	2017B1426	BL04B2	梶原 行夫	Existence of Density Inhomogeneity of Liquid Te Associated with Liquid-liquid Phase Transition
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Journal of the European Ceramic Society

47164	David K. Dobesh	44 (2024) 5646-5658	2022A1549	BL04B2	宮崎 秀俊	The Role of Ca/Zr Ratio on the Local Structure and Phase Transitions in Lead-free (Ba,Ca)(Zr,Ti)O ₃
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Journal of the Japan Petroleum Institute

46765	Keiju Wachi	67 (2024) 71-79	2023A1512	BL14B2	矢部 智宏	Oxidative Coupling of Methane under High-pressure Conditions Using a Na ₂ WO ₄ /SiO ₂ Catalyst
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Journal of the Taiwan Institute of Chemical Engineers

46844	Shu Ashimura	158 (2024) 105121	2020A1360	BL01B1	吉田 真明	In situ Surface-enhanced Infrared Absorption Analysis of the Excited Carrier Transfer from n-type Si Photoelectrode to Pt Oxygen Evolution Cocatalyst by Probing Adsorbed CO Molecules
			2021B1168	BL01B1	吉田 真明	
			2022B1609	BL01B1	吉田 真明	

JPS Conference Proceedings

46906	Rie Naito	30 (2020) 011073	2011B1710	BL47XU	和達 大樹	Electronic Structure of Sr ₃ Fe _{2-x} Co _x O _{7-δ} Studied by Photoemission and X-ray Absorption Spectroscopy
			2014B1011	BL47XU	齋藤 智彦	

Liquid Crystals

46934	Yo Shimizu	(2024) Online published 7 May 2024	2022B1191	BL40B2	内田 欣吾	Dynamic Change of Molecular Conformation Generating a Variation of Liquid Crystalline Phases for Triphenylene Mesogens with Peripheral Alkoxyazobenzenes
			2022A1138	BL40B2	内田 欣吾	
			2021B1122	BL40B2	内田 欣吾	
			2021B1121	BL40B2	内田 欣吾	
			2020A1072	BL40B2	内田 欣吾	
			2019B1077	BL40B2	内田 欣吾	
			2019A1403	BL40B2	内田 欣吾	
			2018B1124	BL40B2	内田 欣吾	
			2018A1207	BL40B2	内田 欣吾	
			2017B1135	BL40B2	内田 欣吾	
			2017A1085	BL40B2	内田 欣吾	

Macromolecular Rapid 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
47028	Yuta Miyamori	(2024) Online published 19 Apr. 2024	2023A1197	BL40B2	平井 智康	Core-Shell Double Gyroids Directed by Selective Solvation for ABC Triblock Terpolymers

Macromolecules

46893	Kaito Nakamura	57 (2024) 4439-4447	2021B1167	BL40B2	井田 大地	Solution Properties of Amphiphilic Alternating Copolymers of N-Ethylmaleimide and 2-Hydroxyethyl Vinyl Ether: Thermoresponsiveness in Alcohols and Cosolvency Phenomenon in Binary Ethanol/Water Solutions
			2022B1160	BL40B2	井田 大地	

Materials

47087	Rostislav Velichko	15 (2022) 334	2018B1669	BL47XU	曲 勇作	Defect Passivation and Carrier Reduction Mechanisms in Hydrogen-Doped In-Ga-Zn-O (IGZO:H) Films upon Low-Temperature Annealing for Flexible Device Applications
			2019B1746	BL47XU	曲 勇作	

Materials Advances

47063	Shogo Yamazaki	4 (2023) 1637-1647	2021B1874	BL46XU	駒場 慎一	High-performance SiO Electrodes for Lithium-ion Batteries: Merged Effects of a New Polyacrylate Binder and an Electrode-maturation Process
			2022A1657	BL46XU	駒場 慎一	
			2022B1838	BL46XU	駒場 慎一	

Materials Research Express

46781	Shunsuke Tsuda	10 (2023) 055506	2021A7421	BL07LSU	久富 隆史	Effect of Carrier Doping on the Electronic States of Earth-abundant Fe-Al-Si Thermoelectric Materials
			2021A7422	BL07LSU	永村 直佳	
			2021B7433	BL07LSU	高際 良樹	
			2021B7435	BL07LSU	永村 直佳	
			2022A7444	BL07LSU	高際 良樹	

Materials Today

46909	He Qi	60 (2022) 91-97	2019B1120	BL44B2	Chen Jun	Large (Anti)ferrodistortive NaNbO ₃ -based Lead-free Relaxors: Polar Nanoregions Embedded in Ordered Oxygen Octahedral Tilt Matrix
			2020A1052	BL44B2	Chen Jun	
			2020A1054	BL44B2	Chen Jun	

Materials Transactions

47163	Hidetoshi Miyazaki	64 (2023) 1194-1198	2021A1458	BL47XU	宮崎 秀俊	Investigation of the Electronic Structure of the Mg _{99.2} Zn _{0.2} Y _{0.6} Alloy Using X-ray Photoelectron Spectroscopy
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Microporous and Mesoporous Materials

46916	Yuto Higuchi	374 (2024) 113137	2023A1677	BL02B2	田中 俊輔	Rapid Synthesis of Metal-organic Framework CALF-20 in H ₂ O/Methanol Solution under Room Temperature and Normal Pressure
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Molecular Cell

46952	Masatoshi Hara	83 (2023) 2188-2205	2018B2716	BL26B1	有吉 真理子	Centromere/Kinetochore is Assembled through CENP-C Oligomerization
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Nanomaterials

47179	Lisa Randolph	14 (2024) 1050	2019B8076	BL2	中堤 基彰	(Sub-)Picosecond Surface Correlations of Femtosecond Laser Excited Al-Coated Multilayers Observed by Grazing-Incidence X-ray Scattering
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Nature

47018	Bin Ding	628 (2024) 299-305	2022B0599	BL19B2	柴山 直之	Dopant-additive Synergism Enhances Perovskite Solar Modules
			2022A1654	BL19B2	柴山 直之	
			2022A1822	BL19B2	柴山 直之	

Nature Catalysis

46833	Naonari Sakamoto	7 (2024) 574-584	2019B7038	BL33XU	坂本 直柔	Dinuclear Cu(I) Molecular Electrocatalyst for CO ₂ -to-C ₃ Product Conversion
			2020A7038	BL33XU	坂本 直柔	
			2021A7038	BL33XU	坂本 直柔	
			2021B7038	BL33XU	坂本 直柔	
			2022A7038	BL33XU	坂本 直柔	
			2022B7038	BL33XU	坂本 直柔	

Nature Chemical Biology

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
46802	Hengxin Fan	15 (2019) 27-33	2016A2517	BL41XU	Zhao Qiang	Structural Basis for Ligand Recognition of the Human Thromboxane A ₂ Receptor
			2016A2518	BL41XU	Wu Beili	

Nature Chemistry

47138	Daoping He	(2024) Online published 24 May 2024	2021A1664	BL14B2	中村 龍平	Copper Sulfide Mineral Performs Non-enzymatic Anaerobic Ammonium Oxidation through a Hydrazine Intermediate
			2021B1920	BL14B2	中村 龍平	
			2022A1045	BL14B2	中村 龍平	
			2022A1669	BL14B2	足立 精宏	
			理研	BL17SU		

Nature Materials

47027	Fumitaka Takeiri	21 (2022) 325-330	2016A1673	BL19B2	渡邊 明尋	Hydride-ion-conducting K ₂ NiF ₄ -type Ba-Li Oxyhydride Solid Electrolyte
			2016B1767	BL19B2	渡邊 明尋	
			2018B1099	BL02B2	竹入 史隆	

Nature Photonics

46847	Junpei Yamada	18 (2024) 685-690	2020A8131	BL3	山内 和人	Extreme Focusing of Hard X-ray Free-Electron Laser Pulses Enables 7 nm Focus Width and 10 ²² W cm ⁻² Intensity
			2021A8049	BL3	山内 和人	
			2021B8035	BL3	山内 和人	
			2022A8033	BL3	山内 和人	
			2022B8032	BL3	山田 純平	
			2023A8045	BL3	山田 純平	

Optics Express

47052	Takuto Ishikawa	32 (2024) 18301-18316	2022B8027	BL2	木村 隆志	Sub-photon Accuracy Noise Reduction of a Single Shot Coherent Diffraction Pattern with an Atomic Model Trained Autoencoder
			2019B8050	BL2	木村 隆志	
			2020A8044	BL2	木村 隆志	
			2021B8063	BL2	木村 隆志	

Philosophical Magazine

47165	Ali Ezircan	104 (2024) 519-536	2022B1663	BL01B1	宮崎 秀俊	Electronic and Magnetic Properties of Boron Substituted CuFeO ₂ Delafossite Oxide
			2022B1664	BL02B2	宮崎 秀俊	

Physica Status Solidi B

46770	Kairi Fujii	259 (2022) 2100539	2016B7608	BL28XU	松原 英一郎	Development of an Electrochemical Cell for In Operando Characterization of Lithium/Electrolyte Interface Using X-ray Total Reflection
			2017A7608	BL28XU	松原 英一郎	
			2017B7608	BL28XU	松原 英一郎	
			2018A7608	BL28XU	松原 英一郎	
			2018B7608	BL28XU	松原 英一郎	
			2019A7616	BL28XU	安部 武志	
			2019B7616	BL28XU	安部 武志	
			2020A7616	BL28XU	安部 武志	

Physical Review A

47057	Felix Allum	108 (2023) 043113	2021A8038	BL1	Forbes Ruaridh	Direct Momentum Imaging of Charge Transfer Following Site-selective Ionization
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Physics and Chemistry of Minerals

47119	Izumi Mashino	51 (2024) 20	2022A3595	BL11XU	増野 いづみ	Electrical Conductivity of Siderite and the Effect of the Spin Transition of Iron
			2022B3595	BL11XU	増野 いづみ	
			2023A3595	BL11XU	増野 いづみ	
			2023B3584	BL11XU	増野 いづみ	

Physics in Medicine and Biology

47049	Ronan Smith	69 (2024) 105025	2022A1077	BL20XU	Donnelley Martin	Ultra-fast <i>in vivo</i> Directional Dark-field X-ray Imaging for Visualising Magnetic Control of Particles for Airway Gene Delivery
			2022B1169	BL20XU	Donnelley Martin	
			2023A1212	BL20XU	Donnelley Martin	
			2023B1272	BL20XU	Donnelley Martin	

Physics of Fluids

46776	Omer Faruk Atac	35 (2023) 045102	2020A1196	BL40XU	文 石洙	Detecting Ultrafast Turbulent Oscillations in Near-nozzle Discharged Liquid Jet using X-ray Phase-contrast Imaging with MHz Frequency
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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
46951	Naoki Takahashi	350 (2024) 107167	2019A1117	BL04B1	坂巻 竜也	Elastic Wave Velocity Measurements of Sodium Aluminosilicate Glass and Melt at High Pressure and Temperature
			2020A1750	BL04B1	坂巻 竜也	
			2020A1085	BL04B1	坂巻 竜也	
			2021A1109	BL04B1	坂巻 竜也	
			2022B1148	BL04B1	坂巻 竜也	

PLoS Biology

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
47072	Mai Ikei	22 (2024) e3002601	2020A2564	BL32XU	塚崎 智也	YeeD is an Essential Partner for YeeE-mediated Thiosulfate Uptake in Bacteria and Regulates Thiosulfate Ion Decomposition
			2021A2745	BL32XU	塚崎 智也	
			2022A2738	BL32XU	塚崎 智也	
			2023A2727	BL32XU	塚崎 智也	

Polymer Chemistry

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
47051	Daichi Yoshida	14 (2023) 3277-3285	2021B1844	BL19B2	吉田 大地	Preparation of Mechanically Tough Poly(dimethyl siloxane) through the Incorporation of Acetylated Cyclodextrin-Based Topologically Movable Cross-links
			2021A1593	BL40B2	河合 優作	

Polymer Testing

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
46811	Asae Ito	128 (2023) 108208	2021B1351	BL40B2	比江嶋 祐介	Structural and Morphological Changes at Initial State under Uniaxial Elongation of Rolled Polytetrafluoroethylene
			2022B1276	BL40B2	伊藤 麻絵	

Precision Chemistry

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
47129	Hiroki Yoshimura	2 (2024) 221-228	2021A1080	BL40XU	久木 一朗	A Hydrogen-Bonded, Hexagonally Networked, Layered Framework with Large Aperture Designed by Structural Synchronization of a Macrocycle and Supramolecular Synthon
			2022B1151	BL40XU	久木 一朗	
			2023A1264	BL40XU	久木 一朗	

Proceedings of SPIE

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
47019	Takenori Shimamura	12240 (2022) 1224004	2021A1612	BL25SU	鳥村 勇徳	Design of Soft X-ray Fluorescence Microscopy beyond 100-nm Spatial Resolution with Ultrashort Kirkpatrick-Baez Mirror

The Protein 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
46961	Changyu Zhang	43 (2024) 283-297	2022A6721	BL44XU	永田 宏次	Refolding, Crystallization, and Crystal Structure Analysis of a Scavenger Receptor Cysteine-Rich Domain of Human Salivary Agglutinin Expressed in <i>Escherichia coli</i>

RSC Applied Interfaces

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
46823	Kotaro Ito	1 (2024) 790-799	2018A3635	BL14B1	菅野 了次	Degradation of a Lithium Cobalt Oxide Cathode under High Voltage Operation at an Interface with an Oxide Solid Electrolyte
			2018B3635	BL14B1	菅野 了次	
			2022B3741	BL22XU	平山 雅章	

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
46963	Ailong Li	384 (2024) 666-670	2021A1664	BL14B2	中村 龍平	Atomically Dispersed Hexavalent Iridium Oxide from MnO ₂ Reduction for Oxygen Evolution Catalysis
			2021B1892	BL14B2	足立 精宏	
			2022A1761	BL14B2	中村 龍平	
			2022A1776	BL14B2	足立 精宏	
			2022B1667	BL14B2	足立 精宏	
			2023B1661	BL14B2	足立 精宏	
			2023A1395	BL39XU	足立 精宏	
			2023A1431	BL36XU	足立 精宏	
			2023B1372	BL36XU	足立 精宏	
			理研	BL17SU		
			理研	BL44B2		

Science and Technology of Advanced Materials: Methods

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
46926	Kentaro Kutsukake	4 (2024) 2336402	2016A3553	BL11XU	佐々木 拓生	Feature Extraction and Spatial Imaging of Synchrotron Radiation X-ray Diffraction Patterns using Unsupervised Machine Learning
			2017A3553	BL11XU	佐々木 拓生	
			2017B3553	BL11XU	佐々木 拓生	
			2018A3553	BL11XU	佐々木 拓生	
			2018A3585	BL11XU	沓掛 健太郎	
			2018B3553	BL11XU	佐々木 拓生	
			2018B3587	BL11XU	世木 隆	
			2019A3587	BL11XU	沓掛 健太郎	
			2019B3586	BL11XU	世木 隆	
			2020A3586	BL11XU	世木 隆	

The Science of Nature

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
46779	Zixin Cheng	110 (2023) 26	2017B1712	BL47XU	小川 直記	Are Males Just Passive? Coupling Mechanism of the Brazilian Cave Insects with Inverted Genitalia
			2018B1725	BL20B2	小川 直記	
			2016A1269	BL47XU	Blanke Alexander	

Sensors and Materials

47200	Yoshifumi Takahashi	36 (2024) 2557-2568	2021B1529	BL40B2	中沢 寛光	Analysis of Correlation between Electron Diffraction Images of Comeocytes and Skin Barrier Properties by Multilayer Perceptron and Convolutional Neural Network
			2021A1407	BL43IR	中沢 寛光	
			2021B1552	BL43IR	中沢 寛光	
			2022A7202	BL03XU	中沢 寛光	

Small

46813	Naoya Haraguchi	19 (2023) 2300743	2022A1532	BL01B1	山添 誠司	Size-Controlled Synthesis of Luminescent Few-Atom Silver Clusters via Electron Transfer in Isostructural Redox-Active Porous Ionic Crystals
			2022A1627	BL01B1	吉川 聡一	
			2021B1373	BL01B1	山添 誠司	
			2021B1535	BL01B1	吉川 聡一	

Sustainable Energy & Fuels

47142	Kohei Era	8 (2024) 2593-2600	2022B1920	BL01B1	佐藤 勝俊	Barium-doped Iron Nanoparticles Supported on MgO as an Efficient Catalyst for Ammonia Synthesis under Mild Reaction Conditions
			2023B1679	BL01B1	佐藤 勝俊	

Virology

46845	Hanako Ishimaru	98 (2024) e00416-24	2023A0205	EM01CT	山本 雅貴	Epitopes of an Antibody that Neutralizes a Wide Range of SARS-CoV-2 Variants in a Conserved Subdomain 1 of the Spike Protein
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Zoological Science

47113	Takanori Ikenaga	41 (2024) 281-289	2013A1161	BL20XU	池永 隆徳	Volume X-Ray Micro-Computed Tomography Analysis of the Early Cephalized Central Nervous System in a Marine Flatworm, <i>Stylochoplana pusilla</i>
			2013A1547	BL20XU	坂本 浩隆	

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

46902	Kenji Suzuki	73 (2024) 286-292	2023A3684	BL14B1	鈴木 賢治	Diffraction Angle Determination Using Cross-Correlation Algorithm for Double Exposure Method
			2023A5050	BL16XU	野口 真一	

繊維学会誌 (Journal of the Society of Fiber Science and Technology, Japan)

47182	Atsushi Takahara	80 (2024) 152-157	2019A1585	BL43IR	高原 淳	Environmental Degradation of Fibers and Polymeric Materials
			2020A0570	BL43IR	高原 淳	
			2021A1173	BL43IR	高原 淳	

日本金属学会誌 (The Journal of the Japan Institute of Metals and Materials)

46878	Yuuto Masunari	87 (2023) 249-257	2020A1632	BL19B2	鳥塚 史郎	Relationship between Grain Refinement, Carbon Content and Austenite Stability Resulting in High Yield Point of 1600 MPa and Huge Lüders Deformation in SUS301 Steel
			2020A1813	BL19B2	鳥塚 史郎	
			2021A1655	BL19B2	鳥塚 史郎	
			2021B1934	BL46XU	鳥塚 史郎	

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47152	Manako Tanaka	(2016) 18-19	2012B1484	BL37XU	田中 真奈子	Microstructure Analysis of Japanese Pipe-shaped Bengara, Red Pigment Excavated from Kusakari Site in Chiba Prefecture to Clarify its Origin
			2013A1268	BL37XU	田中 真奈子	
			2013B1043	BL37XU	田中 真奈子	
			2016A1700	BL47XU	田中 真奈子	

ミルクサイエンス (Milk Science)

46932	Hideaki Takagi	73 (2024) 3-10	2022A1230	BL40B2	高木 秀彰	Evaluation of a Casein Micelle Structure using Neutron Small-angle Scattering
			2022B1142	BL40B2	高木 秀彰	

博士論文 (総合研究大学院大学)

47002	Tasuku Uchimura	(2023)	2019A1084	BL02B2	竹入 史隆	Study on Materials Processing for Barium Titanium Oxyhydride with Hydride Ion and Electron Mixed Conductivity
			2020A1659	BL02B2	岡本 啓	
			2021B1785	BL02B2	内村 祐	
47022	Kei Okamoto	(2023)	2020A1659	BL02B2	岡本 啓	Effects of Compositions and Sintering Process on Phase Transition Behavior and Hydride Ion Conducting Property in K ₂ NiF ₄ -type Ba-Li Oxyhydride

博士論文 (University of Kiel)

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
47080	Amdt Quer	(2018)	2015A1540	BL47XU	Rossnagel Kai	Spectroscopic and Microscopic Investigation of Phase Transitions in Strongly Correlated Transition Metal Compounds

博士論文 (大阪公立大学)

47048	Naoya Yoshikane	(2024)	2019B4253	BL12XU	Prassides Kosmas	Mixed-valence Rare-earth Fullerenes, RE _{2.75} C ₆₀ : Coupling of Lattice and Electronic Degrees of Freedom
			2021A4254	BL12XU	Prassides Kosmas	
			2022B4252	BL12XU	Prassides Kosmas	
			2021B1809	BL10XU	芳鐘 順也	
			2022B0616	BL02B2	芳鐘 順也	
			2023B2101	BL02B2	芳鐘 順也	
			2021A1587	BL02B2	芳鐘 順也	
2022A1699	BL10XU	芳鐘 順也				

博士論文 (筑波大学)

46801	Atsushi Ejima	(2024)	2022B1587	BL19B2	廣沢 一郎	Investigation on Genome Prediction using DNA Information in Cedar Crossbreeding.
			2023A1518	BL19B2	廣沢 一郎	
			2023B1567	BL19B2	廣沢 一郎	

博士論文 (東京大学)

46806	Takumi Yomogida	(2023)	2021A1610	BL37XU	蓬田 匠	Environmental Geochemistry of Uranium Based on Chemical-state Analysis by Advanced X-ray Spectroscopy
			2021B1821	BL39XU	蓬田 匠	
			2022A1733	BL39XU	蓬田 匠	
			2020A0174	BL37XU	高橋 嘉夫	
			2021B1625	BL37XU	高橋 嘉夫	
			2018A0148	BL37XU	高橋 嘉夫	

博士論文 (広島大学)

47175	Tomoki Yoshikawa	(2021)	2016B3842	BL23SU	木村 昭夫	Light- and Spin- induced Electronic Structures of Novel Topological Materials
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博士論文 (明治大学)

46995	Tappei Nishihara	(2023)	2019B1902	BL46XU	神岡 武文	Study on Development of Novel Transparent Conductive Oxide Film for High Conversion Efficiency in Tandem Solar Cell with Crystalline Silicon Bottom Cell
			2020A1848	BL46XU	西原 達平	
			2021A1616	BL46XU	西原 達平	
			2021A1662	BL46XU	原 知彦	
			2021B1906	BL46XU	西原 達平	
			2022A1785	BL46XU	西原 達平	
			2022A1651	BL46XU	安野 聡	
			2022A1774	BL46XU	安野 聡	
			2022B1627	BL46XU	安野 聡	
			2022B1878	BL46XU	安野 聡	

課題以外の成果として登録された論文

The Journal of Biological Chemistry

研究成果番号	主著者	雑誌情報		ビームライン	タイトル
46913	Marcel Bokhove	300 (2024) 107289	理研	BL26B1	The Structure of the Rat Vitamin B ₁₂ Transporter TC and its Complex with Glutathionylcobalamin
46947	Zakaria Omahdi	295 (2020) 5807-5817		BL45XU	Structural Insight into the Recognition of Pathogen-derived Phosphoglycolipids by C-type Lectin Receptor DCAR
47168	Keisuke Izuhara	295 (2020) 11643-11655		BL38B1	A Lynch Syndrome-associated Mutation at a Bergerat ATP-binding Fold Destabilizes the Structure of the DNA Mismatch Repair Endonuclease MutL

Biochemistry

47120	Han-Kai Jiang	59 (2020) 2205-2209	理研	BL32XU	Probing the Active Site of Deubiquitinase USP30 with Noncanonical Tryptophan Analogues
47167	Seiya Watanabe	59 (2020) 2962-2973		BL38B1	Biochemical and Structural Characterization of L-2-Keto-3-deoxyarabinonate Dehydratase: A Unique Catalytic Mechanism in the Class I Aldolase Protein Superfamily

IUCrJ

研究成果番号	主著者	雑誌情報		ビームライン	タイトル
46820	Yueming Xu	6 (2019) 996-1006		BL41XU	Mutagenesis Facilitated Crystallization of GLP-1R
47058	Asmit Bhowmick	10 (2023) 642-655		SACLA	Going around the Kok Cycle of the Water Oxidation Reaction with Femtosecond X-ray Crystallography

The Journal of Biochemistry

46827	Koji Nagata	167 (2020) 1-14		BL41XU	Crystal Structure of the Complex of the Interaction Domains of <i>Escherichia coli</i> DnaB Helicase and DnaC Helicase Loader: Structural Basis Implying a Distortion-Accumulation Mechanism for the DnaB Ring Opening Caused by DnaC Binding
47108	Yoshinori Shibanuma	168 (2020) 223-229	理研	BL26B2	Crystal Structure of Adenylate Kinase from an Extremophilic Archaeon <i>Aeropyrum pernix</i> with ATP and AMP

Nature Communications

46911	Kyoko Hanawa- Suetsugu	10 (2019) 4763	理研	BL32XU	Phagocytosis is Mediated by Two-dimensional Assemblies of the F-BAR Protein GAS7
				BL38B1	
				BL44XU	
47141	Keisuke Mochida	11 (2020) 3306	理研	BL32XU	Super-assembly of ER-phagy Receptor Atg40 Induces Local ER Remodeling at Contacts with Forming Autophagosomal Membranes

Proceedings of SPIE

47068	Yuji Hosaka	12498 (2023) 1249827		SACLA	Study on Irradiation Effects by Femtosecond-pulsed Extreme Ultraviolet in Resist Materials
47071	Hiroto Motoyama	PC12694 (2023) PC1269408	装置&技術	BL1	Two-stage Soft X-ray Focusing System Developed at BL1 of SACLA

加速器 (Journal of the Particle Accelerator Society of Japan)

47070	Eito Iwai	20 (2023) 90-99		SACLA	Effective Accelerator Operation Based on Machine Learning at SACLA
47084	Takamitsu Seike	20 (2023) 35-42	加速器	BL1	Radiation Damage of SPring-8/SACLA Undulators and Its Countermeasures
			加速器	BL2	

日本結晶学会誌 (Journal of the Crystallographic Society of Japan)

46949	Eriko Nango	64 (2022) 290-293	装置&技術	SACLA	Molecular Movies using X-ray Free Electron Lasers: Recent Advances and Future Prospects
46950	Kiyofumi Takaba	64 (2022) 115-116	装置&技術	over all	Crystallographic Chemistry with Electron and Synchrotron Beam Sources

Acta Crystallographica Section D

47081	Kunio Nakata	79 (2023) 290-303		BL3	Ambient Temperature Structure of Phosphoketolase from <i>Bifidobacterium longum</i> Determined by Serial Femtosecond X-ray Crystallography
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Advanced Energy and Sustainability Research

46769	Yasuhiro Takabayashi	3 (2022) 2200020	理研	BL32B2	Study of Behavior of Supporting Electrolyte Ion of Fluoride Shuttle Battery Using Anomalous X-Ray Scattering
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Applied and Environmental Microbiology

46821	Kouta Takeda	85 (2019) e01692-19		BL41XU	Crystal Structure of the Catalytic and Cytochrome <i>b</i> Domains in a Eukaryotic Pyrroloquinoline Quinone-Dependent Dehydrogenase
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Applied Physics Express

46848	Shotaro Matsumura	17 (2024) 016001	装置&技術	SACLA	High-pressure Plasma Etching up to 9 atm toward Uniform Processing Inside Narrow Grooves of High-precision X-ray Crystal Optics
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Chemical Communications

47147	K. Minamihata	56 (2020) 3891-3894		BL38B1	Genetically Fused Charged Peptides Induce Rapid Crystallization of Proteins
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Chemical Research in Toxicology

47101	Keitaro Suyama	33 (2020) 889-902		BL38B1	Evaluation of the Influence of Halogenation on the Binding of Bisphenol A to the Estrogen-Related Receptor γ
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Current Opinion in Structural Biology

研究成果番号	主著者	雑誌情報		ビームライン	タイトル
47082	Eriko Nango	81 (2023) 102629		SACLA	Recent Progress in Membrane Protein Dynamics Revealed by X-ray Free Electron Lasers: Molecular Movies of Microbial Rhodopsins

The FASEB Journal

46903	Emmanuel Balogun	33 (2019) 13002-13013	理研	BL44XU	Discovery of Trypanocidal Coumarins with Dual Inhibition of Both the Glycerol Kinase and Alternative Oxidase of <i>Trypanosoma brucei brucei</i>
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iScience

46922	Yuki Nakamura	21 (2019) 577-586		BL44XU	High-Resolution Crystal Structure of Arabidopsis FLOWERING LOCUS T Illuminates Its Phospholipid-Binding Site in Flowering
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Journal of Materials Chemistry B

46897	Ryosuke Funaki	8 (2020) 1139-1145		BL41XU	Genetically Engineered Haemoglobin Wrapped Covalently with Human Serum Albumins as an Artificial O ₂ Carrier
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Journal of Medicinal Chemistry

47109	Fumiyuki Shirai	63 (2020) 4183-4204	理研	BL26B2	Design and Discovery of an Orally Efficacious Spiroindolinone-Based Tankyrase Inhibitor for the Treatment of Colon Cancer
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Journal of Molecular Graphics and Modelling

47104	Daisuke Takaya	99 (2020) 107599	理研	BL26B2	Protein Ligand Interaction Analysis against New CaMKK2 Inhibitors by Use of X-ray Crystallography and the Fragment Molecular Orbital (FMO) Method
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Journal of Synchrotron Radiation

47069	Eito Iwai	30 (2023) 1048-1053	装置&技術	BL1	Spectral-Brightness Optimization of an X-ray Free-Electron Laser by Machine-Learning-Based Tuning
			装置&技術	BL2	
			装置&技術	BL3	

Journal of the American Chemical Society

47059	Margaret D. Doyle	145 (2023) 14621-14635		SACLA	Water Networks in Photosystem II Using Crystalline Molecular Dynamics Simulations and Room-Temperature XFEL Serial Crystallography
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Optica

47105	Satoru Egawa	11 (2024) 736-743		BL1	Observation of Mammalian Living Cells with Femtosecond Single Pulse Illumination Generated by a Soft X-ray Free Electron Laser
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Physical Review Letters

47093	Takashi Tanaka	131 (2023) 145001	装置&技術	SACLA	Experimental Demonstration to Control the Pulse Length of Coherent Undulator Radiation by Chirped Microbunching
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Protein & Cell

46898	Shuhui Wang	11 (2020) 124-137		BL41XU	Structural Insights into Substrate Recognition by the Type VII Secretion System
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Proteins: Structure, Function, and Bioinformatics

47139	Riki Imaizumi	89 (2021) 126-131	理研	BL32XU	Crystal Structure of Chalcone Synthase, a Key Enzyme for Isoflavonoid Biosynthesis in Soybean
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Review of Scientific Instruments

47067	Satoru Egawa	94 (2023) 053707		SACLA	Figure Correction of a Wolter Mirror Master Mandrel by Organic Abrasive Machining
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博士論文 (University of Gothenburg)

46948	Andrea Cellini	(2022)		XFEL	Structural Characterization of Electron Transfer in <i>D.m</i> (6-4) Photolyase by Time-resolved X-ray Crystallography
47096	Owens Uwangué	(2023)		BL3	Microcrystallization and Structural Studies of Proteins by Serial Crystallography and X-ray Scattering
47097	Doris Zoric	(2023)		BL3	Structural Studies of <i>ba</i> ₃ -type Cytochrome <i>c</i> Oxidase using Serial Crystallography and X-ray Absorption Spectroscopy