

## 最近 Spring-8 もしくは SACLA から発表された成果リスト

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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/](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、2019 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/](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 2019 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
Chemical Communications	11	Chemistry of Materials	6
Physical Review B	11	Japanese Journal of Applied Physics	6
Chemistry - A European Journal	10	Nature Communications	6
Inorganic Chemistry	9	Scientific Reports	6
Polymer Journal	9	ACS Applied Materials & Interfaces	5
Macromolecules	8	Journal of Materials Chemistry A	5
		Journal of the Physical Society of Japan	5

他全 199 誌、計 364 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
37709	Tomohiro Takayama	99 (2019) 125127	2017A4253	BL12XU	高山 知弘	Pressure-Induced Collapse of the Spin-Orbital Mott State in the Hyperhoneycomb Iridate $\beta$ -Li <sub>2</sub> IrO <sub>3</sub>
			2017B4262	BL12XU	高山 知弘	
			2018A4260	BL12XU	高山 知弘	
37763	Sheng Chieh Liao	99 (2019) 075110	2017B4258	BL12XU	Chen Jin-Ming	Valence-State and Spin-State Transition of Co in LaCo <sub>0.5</sub> Rh <sub>0.5</sub> O <sub>3</sub>
37768	Rie Y. Umetsu	99 (2019) 134414	2013A7447	BL07LSU	菅 滋正	Half-Metallicity of the Ferrimagnet Mn <sub>2</sub> VAl Revealed by Resonant Inelastic Soft X-ray Scattering in a Magnetic Field
			2013B7459	BL07LSU	菅 滋正	
			2014B7478	BL07LSU	藤原 秀紀	
			2016B7512	BL07LSU	梅津 理恵	
37800	Takahiro Matsuoka	99 (2019) 144511	2015A1256	BL10XU	松岡 岳洋	Superconductivity of Platinum Hydride
			2015B1235	BL10XU	松岡 岳洋	
			2017B1492	BL10XU	松岡 岳洋	
37807	Mao Ye	99 (2019) 144413	2015A3880	BL23SU	木村 昭夫	Negative Te Spin Polarization Responsible for Ferromagnetic Order in the Doped Topological Insulator V <sub>0.04</sub> (Sb <sub>1-x</sub> Bi <sub>x</sub> ) <sub>1.96</sub> Te <sub>3</sub>
			2015B3880	BL23SU	木村 昭夫	
			2016A3830	BL23SU	木村 昭夫	
37950	Hans Tomatzky	99 (2019) 144309	2017B1738	BL35XU	Tomatzky Hans	Phonon Dispersion in MoS <sub>2</sub>
37954	Shinji Miwa	99 (2019) 184421	2017A1013	BL39XU	鈴木 義茂	Microscopic Origin of Large Perpendicular Magnetic Anisotropy in an FeIr/MgO System
			2017A1162	BL39XU	鈴木 基寛	
			2017A1201	BL25SU	三輪 真嗣	
			2017B1003	BL25SU	鈴木 義茂	
37973	Yooun Heo	99 (2019) 174420	2018A1273	BL13XU	菅 大介	Correlations between Oxygen Octahedral Distortions and Magnetic and Transport Properties in Strained La <sub>0.5</sub> Sr <sub>0.5</sub> CoO <sub>3</sub>
38059	Mariano Trigo	99 (2019) 104111	2014A8030	BL3	Trigo Mariano	Coherent Order Parameter Dynamics in SmTe <sub>2</sub>
38109	Kohei Yoshimatsu	99 (2019) 235129	2017B3843	BL23SU	和達 大樹	

Polymer Journal-1

37720	Hideo Kurihara	51 (2019) 199-209	2015A7218	BL03XU	北出 慎一	Elongation Induced $\beta$ - to $\alpha$ -crystalline Transformation and Microvoided Formation in Isotactic Polypropylene as Revealed by Time-Resolved WAXS/SAXS
			2015B7269	BL03XU	北出 慎一	
			2016A7218	BL03XU	北出 慎一	
			2016B7268	BL03XU	北出 慎一	
37858	Mizuki Kishimoto	51 (2019) 173-182	2013B7266	BL03XU	三田 一樹	A Study on the Isothermal Crystallization of Poly(3-methylbutene-1)
			2014A7217	BL03XU	三田 一樹	
			2014B7266	BL03XU	三田 一樹	
			2015B7267	BL03XU	三田 一樹	
			2016A7217	BL03XU	三田 一樹	
			2016B7266	BL03XU	三田 一樹	
38008	Kohji Tashiro	51 (2019) 131-141	2011A7214	BL03XU	村瀬 浩貴	Relationship between Twisting Phenomenon and Structural Discontinuity of Stacked Lamellae in the Spherulite of Poly(ethylene adipate) as Studied by the Synchrotron X-ray Microbeam Technique
			2012A7202	BL03XU	佐藤 春実	
			2013A7214	BL03XU	船城 健一	
			2013B7262	BL03XU	船城 健一	
			2014B7262	BL03XU	船城 健一	
38085	Hiroki Uehara	51 (2019) 319-325	2018B1232	BL40B2	上原 宏樹	Development of Highly Functional Membranes through Structural Control of Crystalline/Amorphous Phases
38126	Yuji Kitamura	51 (2019) 221-226	2014A7216	BL03XU	北村 祐二	Role of Strain Rate in the Strain-Induced Crystallization (SIC) of Natural and Synthetic Isoprene Rubber
			2014B7265	BL03XU	北村 祐二	
			2015A7215	BL03XU	北村 祐二	
			2015B7266	BL03XU	北村 祐二	

Polymer Journal-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
38127	Kentaro Yamamoto	51 (2019) 247-255	2016A7217	BL03XU	三田 一樹	Aggregation States of Poly(4-methylpentene-1) at a Solid Interface
38128	Jian Shen	51 (2019) 256-263	2015A7210	BL03XU	和泉 篤士	Fabrication and Characterization of Elastomeric Semiconductive Thiophene Polymers by Peroxide Crosslinking
			2015B7260	BL03XU	和泉 篤士	
			2016A7210	BL03XU	和泉 篤士	
			2016B7260	BL03XU	和泉 篤士	
38130	Yudai Fukunaga	51 (2019) 275-281	2016A7206	BL03XU	浅田 光則	Dispersion State of Carbon Black in Polystyrene Produced with Different Dispersion Media and Its Effects on Composite Rheological Properties
			2016B7256	BL03XU	浅田 光則	
			2017A7205	BL03XU	浅田 光則	
			2017B7257	BL03XU	浅田 光則	
38149	Kohsuke Kawabata	49 (2017) 169-176	2014B1915	BL46XU	尾坂 格	Effects of Branching Position of Alkyl Side Chains on Ordering Structure and Charge Transport Property in Thienothiophenedione- and Quinacridone-Based Semiconducting Polymers
			2015A1696	BL46XU	尾坂 格	

Chemical Communications

37715	Shin-ichiro Kawano	55 (2019) 2992-2995	2017A1071	BL02B1	河野 慎一郎	Near-Infrared Absorption by Intramolecular Charge-Transfer Transition in 5,10,15,20-Tetra( <i>N</i> -carbazolyl)porphyrin through Protonation
37773	Hayato Ohwaki	55 (2019) 3402-3405	2016A1432	BL02B1	吉成 信人	Crystal-to-Crystal Interconversion of Open and Closed Dicopper(II) Paddle Wheels in a Heterotrimetallic Coordination Polymer
			2016B1076	BL02B2	吉成 信人	
			2016B1007	BL02B1	今野 巧	
			2017A1282	BL02B2	吉成 信人	
			2017B1203	BL02B2	吉成 信人	
37795	Kristina Lekin	52 (2016) 13877-13880	2016A1279	BL10XU	Tse John	Pushing $T_c$ to 27.5 K in a Heavy Atom Radical Ferromagnet
37890	Nacki Ogiwara	55 (2019) 5906-5909	2018B1728	BL14B2	荻原 直希	The Effect of Amorphization on the Molecular Motion of the 2-Methylimidazolate Linkers in ZIF-8
37918	Keisuke Awaya	55 (2019) 4586-4588	2018B4604	BL15XU	谷口 貴章	Photoelectrochemical Properties of a Well-Structured 1.3 nm-Thick pn Junction Crystal
38066	Ryohei Yamakado	55 (2019) 326-329	2017A1676	BL02B1	笹野 力史	Ion-Pairing Assemblies Based on $\pi$ -Extended Dipyrrolyquinoxalines
			2015A0114	BL40XU	高谷 光	
			2017B1443	BL40XU	前田 大光	
			2016A1360	BL40B2	前田 大光	
			2017A1248	BL40B2	山門 陵平	
			2018A1679	BL40B2	笹野 力史	
38095	Ge Yin	54 (2018) 3947-3950	2015A4602	BL15XU	阿部 英樹	A Cu-Zn Nanoparticle Promoter for Selective Carbon Dioxide Reduction and Its Application in Visible-Light-Active Z-Scheme Systems Using Water as an Electron Donor
			2015B4602	BL15XU	阿部 英樹	
38197	Yu Su	55 (2019) 7239-7242	2018B4502	BL15XU	Belik Alexei	Stepwise Topochemical Fluorination of SrCrO <sub>3</sub> Perovskite via a Super-Structured Oxide
			2018A4501	BL15XU	山浦 一成	
			2017B4502	BL15XU	辻本 吉廣	

Inorganic Chemistry-1

37760	Shintaro Kobayashi	(2019) Online publication 9 Apr. 2019	2016B1270	BL02B1	小林 慎太郎	Linear Trimer Formation with Antiferromagnetic Ordering in 1T-CrSe <sub>2</sub> Originating from Peierls-like Instabilities and Interlayer Se-Se Interactions
			2016A1620	BL02B2	中埜 彰俊	
			2016B1437	BL02B2	澤 博	
			2017A1081	BL02B1	小林 慎太郎	
37796	Kristina Lekin	57 (2018) 4757-4770	2017B1144	BL10XU	Tse John	Benzoquinone Bridged Heterocyclic Zwitterions as Building Blocks for Molecular Semiconductors and Metals
37812	Hiroshi Itahara	58 (2019) 5406-5409	2016A5071	BL16XU	高橋 直子	Na-Melt Synthesis of Fine Ni <sub>3</sub> Si Powders as a Hydrogenation Catalyst
			2016B5070	BL16XU	小坂 悟	
37874	Takahiro Takei	57 (2018) 13097-13103	2017A1772	BL14B2	中島 靖	Circumstances of La, Eu, Dy, and Yb Cations Intercalated via Ion Exchange in $\gamma$ -Zirconium Phosphate
			2017B1898	BL14B2	中島 靖	
			2013A1299	BL02B2	武井 貴弘	
37894	Jinyu Hu	58 (2019) 5401-5405	2018A1210	BL44B2	Lin Kun	Adjustable Magnetic Phase Transition Inducing Unusual Zero Thermal Expansion in Cubic RCo <sub>2</sub> -Based Intermetallic Compounds (R = Rare Earth)
			2018B1515	BL44B2	Lin Kun	
37898	Yasushi Idemoto	58 (2019) 5664-5670	2014B1457	BL02B2	井手本 康	Synthesis, Crystal Structure Analysis, and Electrochemical Properties of Rock-Salt Type Mg <sub>3</sub> Ni <sub>2</sub> Co <sub>2</sub> O <sub>2</sub> as a Cathode Material for Mg Rechargeable Batteries
			2015A1541	BL02B2	井手本 康	
			2016A1509	BL19B2	井手本 康	

### Inorganic Chemistry-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
37932	Md Saiduzzaman	58 (2019) 1759-1763	2017B1343	BL02B2	熊田 伸弘	Hydrothermal Synthesis of Pyrochlore-Type Pentavalent Bismuthates $\text{Ca}_2\text{Bi}_2\text{O}_7$ and $\text{Sr}_2\text{Bi}_2\text{O}_7$
38099	Kenta Sudo	58 (2019) 7628-7633	2018B1246	BL02B2	後藤 陽介	Doping-Induced Polymorph and Carrier Polarity Changes in Thermoelectric

### Chemistry - A European Journal

37801	Kingo Uchida	25 (2019) 7874-7880	2014B1213	BL40B2	内田 欣吾	Photosalient Effect of Diarylethene Crystals of Thiazoyl and Thieryl Derivatives
			2015A1240	BL40B2	内田 欣吾	
			2015B1215	BL40B2	内田 欣吾	
			2018A1104	BL02B1	内田 欣吾	
			2018A1208	BL40XU	内田 欣吾	
			2018B1091	BL02B1	内田 欣吾	
			2018B1092	BL40XU	内田 欣吾	
2018B1674	BL02B1	西村 涼				
37887	Malte Fugel	25 (2019) 6523-6532	2015B1331	BL02B1	Grabowsky Simon	Revisiting a Historical Concept by Using Quantum Crystallography: Are Phosphate, Sulfate and Perchlorate Anions Hypervalent?
37944	Yuta Miyauchi	21 (2015) 18900-18904	2014B1562	BL40XU	安田 伸広	Concise Synthesis and Facile Nanotube Assembly of a Symmetrically Multifunctionalized Cycloparaphenylene
37990	Rei Tomifuji	25 (2019) 8987-8991	2018B1594	BL14B2	倉橋 拓也	Asymmetric Aza-Diels-Alder Reaction with Ion-Paired-Iron Lewis Acid-Brønsted Acid Catalyst
			2016A1549	BL14B2	倉橋 拓也	
			2018A1690	BL14B2	高橋 俊文	
			2017B1748	BL14B2	富藤 玲	
			2017A1700	BL14B2	前田 和輝	
			2016B1766	BL14B2	高橋 俊文	
			2016A1680	BL14B2	前田 和輝	
2015B1770	BL14B2	黒田 大樹				
38147	Tsubasa Mikie	24 (2018) 19228-19235	2018A1568	BL46XU	尾坂 格	Selective Synthesis and Properties of Electron-Deficient Hybrid Naphthalene-Based $\pi$ -Conjugated Systems
38201	Yoshifumi Sasano	25 (2019) 6712-6717	2018B1823	BL02B1	笹野 力史	Peripheral Modifications of <i>meso</i> -Hydroxyprophyrins: Formation of $\pi$ -Electronic Anions and Ion-Pairing Assemblies
			2018B1247	BL38B1	久木 一朗	
			2018A1173	BL40XU	高谷 光	
			2018B1563	BL40XU	前田 大光	
38203	Hiromitsu Maeda	24 (2018) 16176-16182	2015A0114	BL40XU	高谷 光	Pyrrole-Based Zwitterionic $\pi$ -Electronic Systems That Form Self-Assembled Dimers
			2017B1443	BL40XU	前田 大光	
			2017A1322	BL40XU	前田 大光	

### Macromolecules

37933	Hirokazu Hasegawa	52 (2019) 3158-3164	2017A1082	BL40B2	寺尾 憲	Lyotropic Liquid Crystallinity of Linear and Star Poly(quinoxaline-2,3-diyl)s: Isotropic-Liquid Crystal Phase Equilibria in Tetrahydrofuran
			2017B1062	BL40B2	寺尾 憲	
38148	Tsubasa Mikie	52 (2019) 3909-3917	2018A1568	BL46XU	尾坂 格	Ester-Functionalized Naphthobispyrazine as an Acceptor Building Unit for Semiconducting Polymers: Synthesis, Properties, and Photovoltaic Performance
38162	Jianming Huang	50 (2017) 3557-3564	2016A1542	BL46XU	尾坂 格	$\pi$ -Conjugation Effects of Oligo(thienylenevinylene) Side Chain in Semiconducting Polymers on Photovoltaic Performance
			2016B1875	BL46XU	尾坂 格	
			2013B1719	BL19B2	尾坂 格	
38178	Hiroki Mori	51 (2018) 5473-5484	2015B1904	BL46XU	尾坂 格	Alkoxy-Substituted Anthra[1,2-c:5,6-c']bis[(1,2,5)thiadiazole] (ATz): A New Electron-Acceptor Unit in the Semiconducting Polymers for Organic Electronics
			2016B1875	BL46XU	尾坂 格	
38181	Hiroki Mori	51 (2018) 1357-1369	2015B1904	BL46XU	尾坂 格	Phenanthrodithiophene (PDT)-Difluorobenzothiadiazole (DFBT) Copolymers: Effect on Molecular Orientation and Solar Cell Performance of Alkyl Substitution onto a PDT Core
			2016A1542	BL46XU	尾坂 格	
			2016A1768	BL46XU	尾坂 格	
			2016B1875	BL46XU	尾坂 格	
38182	Hiroki Mori	50 (2017) 4639-4648	2016A1542	BL46XU	尾坂 格	Solar Cell Performance of Phenanthrodithiophene-Isoindigo Copolymers Depends on Their Thin-Film Structure and Molecular Weight
			2016B1875	BL46XU	尾坂 格	
38184	Shuhei Nishinaga	48 (2015) 2875-2885	2014A1530	BL46XU	尾坂 格	Phenanthrodithiophene-Isoindigo Copolymers: Effect of Side Chains on Their Molecular Order and Solar Cell Performance
			2014B1583	BL19B2	尾坂 格	

Japanese 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
37863	Yoshiyuki Yamashita	58 (2019) SDDC01	2015B4600	BL15XU	山下 良之	Reaction Mechanism of ZrO <sub>x</sub> Metal Resists with Extreme Ultraviolet Irradiation
37899	Satoshi Yamaguchi	58 (2019) 060901	2011B5370	BL16B2	山口 聡	High-Resolution X-ray Topography of Threading Edge Dislocations in 4H-SiC Using a Novel Nuclear Emulsion Film Improved Special Resolution and Sensitivity
			2012A5370	BL16B2	山口 聡	
			2013B5370	BL16B2	山口 聡	
			2014A5370	BL16B2	山口 聡	
			2014B5371	BL16B2	山口 聡	
			2015A5371	BL16B2	山口 聡	
2015B5370	BL16B2	山口 聡				
37952	Jihee Jeon	57 (2018) 121303	2016A1492	BL09XU	財満 鎮明	Growth and Electrical Properties of in situ Sb-doped Ge <sub>1-x</sub> Sn <sub>x</sub> Epitaxial Layers for Source/Drain Stressor of Strained-Ge Transistors
38060	Takahiro Nagata	58 (2019) SDDG06	2016A4602	BL15XU	長田 貴弘	Photoelectron Spectroscopic Study of Electronic States and Surface Structure of an in situ Cleaved In <sub>2</sub> O <sub>3</sub> (111) Single Crystal
			2012B4606	BL15XU	長田 貴弘	
			2015A4601	BL15XU	長田 貴弘	
			2013B4603	BL15XU	長田 貴弘	
38074	Masakazu Kanechika	58 (2019) SCCD22	2017B5370	BL16B2	山口 聡	Evaluation of Dislocations under the Electrodes of GaN pn Diodes by X-ray Topography
			2018A5370	BL16B2	山口 聡	
			2018B1023	BL20B2	兼近 将一	
38171	Murugesan Mariappan	58 (2019) SBBC05	2017B1136	BL47XU	Mariappan Murugesan	X-ray Computed Tomography Studies on Directed Self-Assembly Formed Vertical Nanocylinders Containing Metals for 3D LSI Applications—Characterization Technique-Dependent Reliability Issues

Scientific Reports

37762	Chih-Wei Hu	9 (2019) 1299	2015A4132	BL12B2	Chen Jin-Ming	Cyclability Evaluation on Si Based Negative Electrode in Lithium Ion Battery by Graphene Phase Evolution: an <i>Operando</i> X-ray Diffraction Study
			2017A4128	BL12B2	Chen Jin-Ming	
37906	Atsushi Sakuda	8 (2018) 15086	2015A7601	BL28XU	小久見 善八	A Reversible Rocksalt to Amorphous Phase Transition Involving Anion Redox
			2016A7602	BL28XU	小久見 善八	
			2016B7606	BL28XU	松原 英一郎	
			2017A7606	BL28XU	松原 英一郎	
38004	Arif Salleh	7 (2017) 40010	2014B1620	BL20XU	野北 和宏	In situ Imaging of Microstructure Formation in Electronic Interconnections
			2015A1675	BL20XU	野北 和宏	
38075	Petra Edlund	6 (2016) 35279	2014B8050	BL3	岩田 想	The Room Temperature Crystal Structure of a Bacterial Phytochrome Determined by Serial Femtosecond Crystallography
38150	Goon Tan	9 (2019) 7309	2017A1553	BL19B2	神野 伊策	Crystallographic Contributions to Piezoelectric Properties in PZT Thin Films
			2017B1604	BL19B2	神野 伊策	
			2018A1562	BL46XU	神野 伊策	
38159	Seichiro Izawa	8 (2018) 481	2015A1952	BL46XU	尾坂 格	Crystallization and Polymorphism of Organic Semiconductor in Thin Film Induced by Surface Segregated Monolayers
			2015A1696	BL46XU	尾坂 格	
			2015B1904	BL46XU	尾坂 格	

ACS Applied Materials & Interfaces

38146	Masahiko Saito	10 (2018) 32420-32425	2015A1952	BL46XU	尾坂 格	Correlation between Distribution of Polymer Orientation and Cell Structure in Organic Photovoltaics
			2015B1904	BL46XU	尾坂 格	
38157	Fanji Wang	10 (2018) 8901-8908	2015A1696	BL46XU	尾坂 格	Effects of Chain Orientation in Self-Organized Buffer Layers Based on Poly(3-alkylthiophene)s for Organic Photovoltaics
38161	Jing Yang	9 (2017) 44070-44078	2016B1875	BL46XU	尾坂 格	Effects of Inserting Thiophene as a $\pi$ -Bridge on the Properties of Naphthalene Diimide-alt-Fused Thiophene Copolymers
38165	Peihong Chen	9 (2017) 4758-4768	2015A1952	BL46XU	尾坂 格	Organic Solar Cells with Controlled Nanostructures Based on Microphase Separation of Fullerene-Attached Thiophene-Selenophene Heteroblock Copolymers
			2015A1696	BL46XU	尾坂 格	
			2015B1904	BL46XU	尾坂 格	
38192	Yang Wang	11 (2019) 22583-22594	2018B1001	BL40B2	松本 英俊	Dual Imide-Functionalized Unit-Based Regioregular D-A <sub>1</sub> -D-A <sub>2</sub> Polymers for Efficient Unipolar n-Channel Organic Transistors and All-Polymer Solar Cells

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
37980	Kazutaka Kudo	88 (2019) 063704	2015B1431	BL13XU	工藤 一貴	Impact of Local Atomic Fluctuations on Superconductivity of Pr-Substituted CaFe <sub>2</sub> As <sub>2</sub> Studied by X-ray Fluorescence Holography
			2016A1302	BL13XU	工藤 一貴	
			2016B1376	BL13XU	工藤 一貴	
38018	Akihiro Yoshida	88 (2019) 064710	2014B1777	BL39XU	吉田 明弘	Indirect Magnetic Coupling through the Nonmagnetic Au Layer in the Fe/Au/CoO Trilayer Investigated by Resonant X-ray Magnetic Scattering at the Co K Absorption Edge
38080	Kenji Ishii	88 (2019) 075001	2013B3502	BL11XU	石井 賢司	Charge Excitations in Hf <sub>2-x</sub> Ce <sub>x</sub> CuO <sub>4</sub> Observed with Resonant Inelastic X-ray Scattering: Comparison of Cu K-edge with Cu L <sub>3</sub> -edge
			2014A3502	BL11XU	石井 賢司	
38110	Kenta Takahashi	88 (2019) 074701	2014B1011	BL47XU	齋藤 智彦	Electronic Structure of a Delafossite Oxide CuAlO <sub>2</sub> in Comparison with CuCrO <sub>2</sub>
			2015A1008	BL09XU	齋藤 智彦	
			2015B1019	BL47XU	齋藤 智彦	
			2016A1013	BL09XU	齋藤 智彦	
			2016A1142	BL09XU	齋藤 智彦	
38195	Yoshiya Yamamoto	88 (2019) 074704	2016B4264	BL12XU	水木 純一郎	Origin of the Pressure-Induced Second Superconducting Phase of (NH <sub>4</sub> ) <sub>y</sub> Cs <sub>0.4</sub> FeSe with Double-Dome Superconductivity
			2015B4260	BL12XU	水木 純一郎	

Chemistry of Materials

37970	Mohammad Kassem	31 (2019) 4103-4112	2014B1197	BL04B2	Bychkov Evgeny	Bent HgI <sub>2</sub> Molecules in the Melt and Sulfide Glasses: Implications for Nonlinear Optics
			2013A1520	BL04B2	Bychkov Evgeny	
			2013B1473	BL04B2	Bychkov Evgeny	
38154	Fanji Wang	31 (2019) 2097-2105	2018A1568	BL46XU	尾坂 格	Phytol-Derived Alkyl Side Chains for π-Conjugated Semiconducting Polymers
			2018B1595	BL46XU	尾坂 格	
38163	Johan Hamonnet	29 (2017) 9618-9622	2016A1542	BL46XU	尾坂 格	Bis(naphthothiophene diimide)indacenodithiophenes as Acceptors for Organic Photovoltaics
38196	Yoshihiro Tsujimoto	30 (2018) 6486-6493	2018A4501	BL15XU	山浦 一成	Function of Tetrahedral ZnS <sub>3</sub> O Building Blocks in the Formation of SrZn <sub>2</sub> S <sub>2</sub> O: A Phase Matchable Polar Oxyulfide with a Large Second Harmonic Generation Response

Nature Communications

37794	Shun Nakamura	10 (2019) 816	2016A2697	BL41XU	中村 駿	Morphologic Determinant of Tight Junctions Revealed by Claudin-3 Structures
			2015A1090	BL41XU	入江 克雅	
			2015B1042	BL41XU	入江 克雅	
			2016B2721	BL41XU	入江 克雅	
37886	Taiyo Yoshioka	10 (2019) 1469	2015B1184	BL40B2	吉岡 太陽	A Study of the Extraordinarily Strong and Tough Silk Produced by Bagworms
			2016A1440	BL40B2	吉岡 太陽	
37962	Benoit Mortemard de Boisse	10 (2019) 2185	2015A1503	BL02B2	西村 真一	Coulombic Self-Ordering upon Charging a Large-Capacity Layered Cathode Material for Rechargeable Batteries
37976	Hironobu Fukuzawa	10 (2019) 2186	2013B8058	BL3	上田 潔	Real-Time Observation of X-ray-Induced Intramolecular and Interatomic Electronic Decay in CH <sub>2</sub> I <sub>2</sub>
			2015A8056	BL3	上田 潔	
			2015B8057	BL3	上田 潔	

Acta Materialia

37902	J. Wang	166 (2019) 413-423	2017A1869	BL25SU	小谷 佳範	Impact of Carbon Segregant on Microstructure and Magnetic Properties of FePt-C Nanogranular Films on MgO (001) Substrate
			2017A1872	BL01B1	伊奈 稔哲	
			2017B1983	BL01B1	伊奈 稔哲	
			2017A1868	BL13XU	田尻 寛男	
37998	Te-Cheng Su	163 (2019) 208-225	2017B1523	BL20B2	Gourlay Christopher	Semi-Solid Deformation of Al-Cu Alloys: A Quantitative Comparison between Real-Time Imaging and Coupled LBM-DEM Simulations
			2015A1318	BL20XU	柳楽 知也	
37999	Ning Hou	149 (2018) 119-131	2015B1611	BL20XU	Gourlay Christopher	Competition between Stable and Metastable Eutectic Growth in Sn-Ni Alloys
			2015A1675	BL20XU	野北 和宏	

Angewandte Chemie International Edition

37946	Kosuke Ono	57 (2018) 3113-3117	2016B1292	BL40XU	安田 伸広	Dynamic Interconversion between Boroxine Cages Based on Pyridine Ligation
37975	Kanako Kogashi	58 (2019) 7385-7389	2018A1061	BL38B1	松野 太輔	Narrowing Segments of Helical Carbon Nanotubes with Curved Aromatic Panels
38156	Chao Wang	57 (2018) 7034-7039	2016B1875	BL46XU	尾坂 格	Intermolecular Arrangement of Fullerene Acceptors Proximal to Semiconducting Polymers in Mixed Bulk Heterojunctions
			2017A1771	BL46XU	尾坂 格	

### Chemistry 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
38067	Takayuki Yamamoto	48 (2019) 746-748	2015B1488	BL10XU	北川 宏	High-Pressure Effect on a Proton-Conducting Metal-Organic Framework, $\text{LaCr}(\text{C}_2\text{O}_4)_3 \cdot 10\text{H}_2\text{O}$
38131	Hayato Moriyama	(2019) Online published 5 Jun. 2019	2016A1361	BL02B1	北川 宏	A Novel Platinum(III)-Platinum(III) Neutral Dimer Complex, $\text{Pt}_2(\text{cdtb})_4\text{l}_2$ (cdtb: 4-Cyanodithiobenzoate)
			2016B1438	BL02B1	北川 宏	
			2018B1430	BL02B1	北川 宏	
38185	Shuhei Nishinaga	44 (2015) 998-1000	2014B1915	BL46XU	尾坂 格	Impact of Alkyl Side Chains on Thin-Film Transistor Performances in Phenanthrothiophene-Isoidigo Copolymers

### Comptes Rendus Geoscience

37909	Kenji Ohta	351 (2019) 147-153	2017A0072	BL10XU	廣瀬 敬	Electrical Resistivity of <i>fcc</i> Phase Iron Hydrides at High Pressures and Temperatures
37910	Seiji Kamada	351 (2019) 236-242	2016B1313	BL35XU	米田 明	Elastic Constants of Single Crystal Pt Measured up to 20 GPa Based on Inelastic X-ray Scattering: Implication for the Establishment of an Equation of State
			2017A1266	BL35XU	米田 明	
38176	Daisuke Yamazaki	351 (2019) 253-259	2016B1486	BL04B1	山崎 大輔	High-Pressure Generation in the Kawai-type Multianvil Apparatus Equipped with Tungsten-Carbide Anvils and Sintered-Diamond Anvils, and X-ray Observation on $\text{CaSnO}_3$ and $(\text{Mg,Fe})\text{SiO}_3$
			2017B1324	BL04B1	山崎 大輔	
			2014B1424	BL04B1	山崎 大輔	
			2015B1319	BL04B1	山崎 大輔	

### Dalton Transactions

37904	Daisuke Tanaka	48 (2019) 7074-7079	2011A1462	BL13XU	田中 大輔	Facile Preparation of Hybrid Thin Films Composed of Spin-Crossover Nanoparticles and Carbon Nanotubes for Electrical Memory Devices
37912	Takashi Fujishiro	48 (2019) 6083-6090	2017B2705	BL26B1	藤城 貴史	Structure of Sirohydrochlorin Ferrochelatase SirB: the Last of the Structures of the Class II Chelatase Family
			2016B2704	BL26B1	藤城 貴史	
38083	Keishiro Tahara	48 (2019) 7367-7377	2018A1151	BL02B1	田原 圭志朗	New $\pi$ -extended Catecholato Complexes of Pt(II) and Pd(II) Containing a Benzothienobenzothiophene (BTBT) Moiety: Synthesis, Electrochemical Behavior and Charge Transfer Properties
			2018B1134	BL02B1	田原 圭志朗	

### Inorganic Chemistry Frontiers

37731	Fei Han	4 (2017) 343-347	2016A1060	BL44B2	Xing Xianran	Local Structure and Controllable Thermal Expansion in the Solid Solution $(\text{Mn}_{1-x}\text{Ni}_x)\text{ZrF}_6$
37775	Tao Yang	6 (2019) 1068-1072	2018A1210	BL44B2	Lin Kun	Tunable Thermal Expansion and High Hardness of $(0.9-x)\text{PbTiO}_3-x\text{CaTiO}_3-0.1\text{Bi}(\text{Zn}_{2/3}\text{Tl}_{1/3})\text{O}_3$ Ceramics
37870	Zhao Pan	5 (2018) 1277-1281	2016A1060	BL44B2	Xing Xianran	Large Spontaneous Polarization in Polar Perovskites of $\text{PbTiO}_3$ - $\text{Bi}(\text{Zn}_{1/2}\text{Tl}_{1/2})\text{O}_3$

### Journal of Applied Physics

37688	Yoshiyuki Tsusaka	125 (2019) 125105	2015B3202	BL24XU	津坂 佳幸	Identification of Dislocation Characteristics in Na-Flux-Grown GaN Substrates Using Bright-Field X-ray Topography under Multiple-Diffraction Conditions
			2016A3202	BL24XU	津坂 佳幸	
			2016B3202	BL24XU	津坂 佳幸	
			2017A3202	BL24XU	津坂 佳幸	
37757	Shuichi Ogawa	125 (2019) 144303	2017A3836	BL23SU	小川 修一	Band Alignment Determination of Bulk <i>h</i> -BN and Graphene/ <i>h</i> -BN Laminates Using Photoelectron Emission Microscopy
38012	Masaaki Niwa	125 (2019) 203903	2015B0901	BL47XU	千葉 大地	Change in Chemical Bonding State by Thermal Treatment in MgO-based Magnetic Tunnel Junction Observed by Angle-Resolved Hard X-ray Photoelectron Spectroscopy

### Journal of Materials Chemistry A

38155	Fanji Wang	6 (2018) 22889-22898	2015A1952	BL46XU	尾坂 格	Effects of End-on Oriented Polymer Chains at the Donor/Acceptor Interface in Organic Solar Cells
			2015A1696	BL46XU	尾坂 格	
			2015B1904	BL46XU	尾坂 格	
38167	Yufei Zhong	4 (2016) 3335-3341	2013B1719	BL19B2	尾坂 格	Interface-Induced Crystallization and Nanostructure Formation of [6,6]-Phenyl-C <sub>61</sub> -butyric Acid Methyl Ester (PCBM) in Polymer Blend Films and Its Application in Photovoltaics
			2015A1696	BL46XU	尾坂 格	
38168	Yanfeng Geng	3 (2015) 22325-22331	2014B1583	BL19B2	尾坂 格	Fullerene-Free Organic Photovoltaics Based on Unconventional Material Combination: a Molecular Donor and Polymeric Acceptors

**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
37772	Michiru Sogawa	123 (2019) 8699-8708	2017B1547	BL04B2	藤井 健太	Role of Solvent Size in Ordered Ionic Structure Formation in Concentrated Electrolytes for Lithium-Ion Batteries
			2018B1472	BL04B2	藤井 健太	
37931	Takashi Tsuchiya	123 (2019) 10487-10493	2017A4606	BL15XU	土屋 敬志	In Situ Hard X-ray Photoelectron Spectroscopy of Space Charge Layer in a ZnO-Based All-Solid-State Electric Double-Layer Transistor
			2017B4600	BL15XU	土屋 敬志	
			2014A4604	BL15XU	土屋 敬志	
			2012B4602	BL15XU	土屋 敬志	
37943	Kezheng Chen	123 (2019) 3292-3298	2016A1019	BL37XU	内本 喜晴	Morphological Effect on Reaction Distribution Influenced by Binder Materials in Composite Electrodes for Sheet-type All-Solid-State Lithium-Ion Batteries with the Sulfide-based Solid Electrolyte
			2016B1022	BL37XU	内本 喜晴	

**Journal of Polymer Science Part A: Polymer Chemistry**

38179	Hiroki Mori	56 (2018) 2646-2655	2016A1768	BL46XU	尾坂 格	Development of a Phenanthrothiophene-Difluorobenzoxadiazole Copolymer Exhibiting High Open-Circuit Voltage in Organic Solar Cells
			2016B1875	BL46XU	尾坂 格	
38180	Hiroki Mori	56 (2018) 1757-1767	2015B1904	BL46XU	尾坂 格	Effect of Substitution Positions of Alkyl Side Chains in Phenanthrothiophene-Isoidigo Copolymers: The Enhancement of Crystallinity and Control of Molecular Orders
			2016A1542	BL46XU	尾坂 格	
38186	Hiroki Mori	53 (2015) 709-718	2014A1530	BL46XU	尾坂 格	Synthesis, Characterization, and Solar Cell and Transistor Applications of Phenanthro[1,2- <i>b</i> :8,7- <i>b'</i> ]dithiophene-Diketopyrrolopyrrole Semiconducting Polymers

**Organic Letters**

37716	Satoru Teranishi	21 (2019) 2593-2596	2018B1594	BL14B2	倉橋 拓也	Diastereoselective Synthesis of 1,3-Oxazolidines via Cationic Iron Porphyrin-catalyzed Cycloaddition of Aziridines with Aldehydes
			2016A1549	BL14B2	倉橋 拓也	
			2018A1690	BL14B2	高橋 俊文	
			2017B1748	BL14B2	冨藤 玲	
			2017A1700	BL14B2	前田 和輝	
			2016B1766	BL14B2	高橋 俊文	
			2016A1680	BL14B2	前田 和輝	
37817	Asami Yoshii	21 (2019) 2759-2762	2017A1459	BL38B1	佐藤 宗太	Periphery Design of Macrocyclic Materials for Organic Light-Emitting Devices with a Blue Phosphorescent Emitter
37897	Rei Tomifuji	21 (2019) 3834-3837	2016A1680	BL14B2	前田 和輝	Cationic Cobalt Porphyrin-Catalyzed Allylation of Aldehydes with Allyltrimethylsilanes
			2016B1766	BL14B2	高橋 俊文	
			2017A1700	BL14B2	前田 和輝	
			2017B1748	BL14B2	冨藤 玲	
			2018A1690	BL14B2	高橋 俊文	
			2018B1594	BL14B2	倉橋 拓也	
			2016A1549	BL14B2	倉橋 拓也	

**Proceedings of the 6th Decennial International Conference on Solidification Processing**

38001	Te-Cheng Su	(2017)	2017B1523	BL20B2	Gourlay Christopher	Exploring Semi-solid Deformation with the Discrete Element Method and Synchrotron Radiography
38002	Jingwei Xian	(2017)	2015B1611	BL20XU	Gourlay Christopher	Faceted and Nonfaceted Growth of Cu <sub>6</sub> Sn <sub>5</sub> Crystals
38003	Guang Zeng	(2017)	2017B1478	BL20XU	Gourlay Christopher	Solidification of Al <sub>3</sub> Mn <sub>5</sub> in Mg-Al-Zn-Mn Alloys

**ACS Applied Energy Materials**

38112	Nanami Takeda	2 (2019) 1629-1633	2017B1218	BL02B2	藪内 直明	Improved Electrode Performance of Lithium-Excess Molybdenum Oxyfluoride: Titanium Substitution with Concentrated Electrolyte
38204	Masanobu Izaki	2 (2019) 4833-4840	2017A1326	BL20XU	小林 正和	Defect Structure and Photovoltaic Characteristics of Internally Stacked CuO/Cu <sub>2</sub> O Photoactive Layer Prepared by Electrodeposition and Heating
			2016B1243	BL47XU	小林 正和	



### ACS Applied Nano 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
37746	Masahito Morita	1 (2018) 355-363	2012B1892	BL14B2	森田 将史	Controlled Synthesis of Gold Nanoparticles on Fluorescent Nanodiamond via Electron-Beam-Induced Reduction Method for Dual-Modal Optical and Electron Bioimaging
38174	Masayoshi Miyazaki	2 (2019) 3307-3314	2018A1681	BL01B1	宮崎 雅義	Surface Modification of PdZn Nanoparticles via Galvanic Replacement for the Selective Hydrogenation of Terminal Alkynes
			2018A1507	BL01B1	高山 大鑑	
			2018B1700	BL01B1	宮崎 雅義	

### ACS Macro Letters

37802	Shogo Kuriyama	8 (2019) 479-485	2017A1132	BL40XU	畠山 琢次	Telechelic Helical Poly(quinoxaline-2,3-diyl)s Containing a Structurally Defined, Circularly Polarized Luminescent Terquinoxaline Core: Synthesis by Core-Initiated Bidirectional Living Polymerization
			2018A1114	BL40XU	畠山 琢次	
			2018B1125	BL40XU	畠山 琢次	
38169	Erjun Zhou	3 (2014) 872-875	2013A1634	BL19B2	尾坂 格	All-Polymer Solar Cell with High Near-Infrared Response Based on a Naphthodithiophene Diimide (NDTI) Copolymer

### ACS Omega

37828	Haru Hirai	4 (2019) 7070-7075	2018A1055	BL01B1	高野 慎二郎	Synthesis of Trimetallic (HPd@M <sub>2</sub> Au <sub>8</sub> ) <sup>3+</sup> Superatoms (M = Ag, Cu) via Hydride-Mediated Regioselective Doping to (Pd@Au <sub>8</sub> ) <sup>2+</sup>
			2018B1123	BL01B1	高野 慎二郎	
38091	Yuko Okamoto	4 (2019) 8693-8700	2017B1216	BL40B2	櫻木 美菜	Preparation, Characterization, and in Vitro/in Vivo Evaluation of Paclitaxel-Bound Albumin-Encapsulated Liposomes for the Treatment of Pancreatic Cancer

### ACS Sustainable Chemistry & Engineering

37767	Rui Pang	7 (2019) 2083-2090	2018A1670	BL01B1	庞 瑞	Effect of Thickness of Chromium Hydroxide Layer on Ag Cocatalyst Surface for Highly Selective Photocatalytic Conversion of CO <sub>2</sub> by H <sub>2</sub> O
38102	Takehiro Asano	7 (2019) 9610-9612	2017B1839	BL14B2	浅野 壮宏	Structure and Mechanism of Titania-Supported Platinum-Molybdenum Catalyst for Hydrodeoxygenation of 2-Furancarboxylic Acid to Valeric Acid
			2018A1754	BL14B2	浅野 壮宏	
			2018B1805	BL14B2	田村 正純	

### Advanced Materials

37908	Hua-Jun Qiu	31 (2019) 1900843	2017A1872	BL01B1	伊奈 稔哲	Metal and Nonmetal Codoped 3D Nanoporous Graphene for Efficient Bifunctional Electrocatalysis and Rechargeable Zn-Air Batteries
			2017B1983	BL01B1	伊奈 稔哲	
38096	Kosuke Matsuzaki	30 (2018) 1801968	2014A4702	BL15XU	吉松 公平	High-Mobility p-Type and n-Type Copper Nitride Semiconductors by Direct Nitriding Synthesis and In Silico Doping Design
			2015A4704	BL15XU	神谷 利夫	
			2015B4701	BL15XU	神谷 利夫	

### AIP Conference Proceedings

37821	Nobuhiro Yasuda	2054 (2019) 050007	2016A1437	BL40XU	安田 伸広	Rapid Single Crystal Structure Analysis Using High-Flux Synchrotron Radiation of SPRING-8
			2016B1292	BL40XU	安田 伸広	
			2017B1121	BL40XU	安田 伸広	
			2018A1223	BL40XU	安田 伸広	
38068	Chi Feng Huang	2054 (2019) 050006	2017A8006	BL2	西野 吉則	Simulation of Single Bio Particles in XFEL Coherent Diffraction-Master Curve for Photon Counts Estimation
			2016B8065	BL3	西野 吉則	
			2016A8049	BL3	西野 吉則	
			2015B8050	BL3	西野 吉則	
			2015A8052	BL3	西野 吉則	
2014B8053	BL3	西野 吉則				

### American Mineralogist

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
37712	Noriyoshi Tsujino	104 (2019) 588-594	2012B1437	BL04B1	辻野 典秀	Phase Transition of Wadsleyite-Ringwoodite in the Mg <sub>2</sub> SiO <sub>4</sub> -Fe <sub>2</sub> SiO <sub>4</sub> System
			2013A1475	BL04B1	辻野 典秀	
			2013B1434	BL04B1	辻野 典秀	
			2014A1431	BL04B1	辻野 典秀	
			2014B1400	BL04B1	辻野 典秀	
			2015A1600	BL04B1	辻野 典秀	
			2015B1504	BL04B1	辻野 典秀	
			2017A1525	BL04B1	辻野 典秀	
2017B1329	BL04B1	辻野 典秀				
2018A1457	BL04B1	辻野 典秀				
38114	Shigehiko Tateno	104 (2019) 718-723	2009A0087	BL10XU	廣瀬 敬	Static Compression of B2 KCl to 230 GPa and Its P-V-T Equation of State

### Angewandte Chemie

37723	Katsuya Ichihashi	131 (2019) 4213-4216	2014A1645	BL02B2	河口 彰吾	Selective Ion Exchange in Supramolecular Channels in the Crystalline State
			2014B2049	BL02B2	河口 彰吾	
37934	Qilong Gao	129 (2017) 9151-9156	2016A1060	BL44B2	Xing Xianran	Switching Between Giant Positive and Negative Thermal Expansions of a YFe(CN) <sub>6</sub> -based Prussian Blue Analogue Induced by Guest Species

### Applied Physics Express

37724	Hideharu Niwa	12 (2019) 052005	2016B3563	BL11XU	丹羽 秀治	High-Energy-Resolution XANES of Layered Oxides for Sodium-Ion Battery
			2017A3584	BL11XU	丹羽 秀治	
38205	Hiroshi Okuda	12 (2019) 075503	2016A1408	BL27SU	奥田 浩司	Two Dimensional Anomalous Small-Angle Scattering Measurements at the Mg K Absorption Edge for Nanostructure Analysis in Concentrated Al-Mg Alloys
			2015B1438	BL27SU	奥田 浩司	
			2017A1183	BL27SU	奥田 浩司	

### Applied Physics Letters

38086	Yuta Saito	114 (2019) 132102	2014A1342	BL01B1	Fons Paul	Origin of Resistivity Contrast in Interfacial Phase-Change Memory: The Crucial Role of Ge/Sb Intermixing
			2012B1303	BL01B1	Kolobov Alexander	
38098	Kentaro Nakamura	108 (2016) 211605	2016A4700	BL15XU	吉松 公平	Impact of Built-in Potential across LaFeO <sub>3</sub> /SrTiO <sub>3</sub> Heterojunctions on Photocatalytic Activity

### Applied Sciences

38144	Masahiko Saito	9 (2019) 451	2015B1904	BL46XU	尾坂 格	A Thiazolothiazole-Based Semiconducting Polymer with Well-Balanced Hole and Electron Mobilities
37948	Yuichi Nakamura	9 (2019) 1738	2015A1169	BL39XU	中村 雄一	Development of Heat Dissipation Multilayer Media for Volumetric Magnetic Hologram Memory

### ChemCatChem

37710	Alemayehu Dubale Duma	10 (2018) 1155-1165	2015B4126	BL12B2	Hwang Bing Joe	In Situ Confined Synthesis of Ti <sub>4</sub> O <sub>7</sub> Supported Platinum Electrocatalysts with Enhanced Activity and Stability for the Oxygen Reduction Reaction
			2015B4132	BL12B2	Hwang Bing Joe	
38016	Lin Yu	11 (2019) 1472-1479	2015A1534	BL01B1	佐藤 勝俊	Rh/Ce <sub>0.25</sub> Zr <sub>0.75</sub> O <sub>2</sub> Catalyst for Steam Reforming of Propane at Low Temperature
			2018B1711	BL01B1	西田 吉秀	

### Chemistry - An Asian Journal

38153	Tanwistha Ghosh	14 (2019) 963-967	2015A1952	BL46XU	尾坂 格	Preferential Face-on and Edge-on Orientation of Thiophene Oligomers by Rational Molecular Design
38202	Hiroki Tanaka	14 (2019) 2129-2137	2017A1322	BL40XU	前田 大光	Substitution-Pattern- and Counteranion-Depending Ion-Pairing Assemblies Based on Electron-Deficient Porphyrin-Au <sup>III</sup> Complexes
			2017A1676	BL02B1	笹野 力史	
			2017B1443	BL40XU	前田 大光	
			2017B1728	BL02B1	笹野 力史	
			2017B1504	BL40XU	平田 剛輝	
			2018A1678	BL02B1	笹野 力史	
			2018B1563	BL40XU	前田 大光	
2018B1823	BL02B1	笹野 力史				

### CrystEngComm

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
37693	Jaemyung Kim	21 (2019) 2281-2285	2017B4505	BL15XU	Kim Jaemyung	Lattice-Plane Bending Angle Modulation of Mg-Doped GaN Homoepitaxial Observed by X-ray Diffraction Topography
			2018B4505	BL15XU	坂田 修身	
			2016B1028	BL20B2	坂田 修身	
			2017A1030	BL20B2	坂田 修身	
			2017B1029	BL20B2	坂田 修身	
			2017B1030	BL28B2	坂田 修身	
37947	Akiko Sekine	20 (2018) 6061-6069	2017B1121	BL40XU	安田 伸広	<i>In situ</i> Control of Photochromic Behavior through Dual Photo-Isomerization Using Cobaloxime Complexes with a Spiropyran Derivative and 2-Cyanoethyl Ligands

### The FEBS Journal

37737	JeeEun Kim	286 (2019) 1287-1304	2017B6745	BL44XU	福田 庸太	Crystal Structure of Kumaglobin: a Hexacoordinated Heme Protein from an Anhydrobiotic Tardigrade, <i>Ramazzottius variematus</i>
			2018A6844	BL44XU	福田 庸太	
37810	Ryota Hidese	284 (2017) 3684-3701	2016A6644	BL44XU	溝端 栄一	Active Site Geometry of a Novel Aminopropyltransferase for Biosynthesis of Hyperthermophile-Specific Branched-Chain Polyamine

### FEBS Letters

37764	Yurina Miyashita	593 (2019) 242-250	2017A2584	BL26B1	沼本 修孝	Dual Conformation of the Ligand Induces the Partial Agonistic Activity of Retinoid X Receptor $\alpha$ (RXR $\alpha$ )
37892	Masakazu Sugishima	593 (2019) 868-875	2016B6622	BL44XU	杉島 正一	Crystal Structure of a NADPH-cytochrome P450 Oxidoreductase (CYPOR) and Heme Oxygenase 1 Fusion Protein Implies a Conformational Change in CYPOR upon NADPH/NADP <sup>+</sup> Binding
			2016A6622	BL44XU	杉島 正一	
			2016A6700	BL44XU	中川 敦史	
			2017B6725	BL44XU	杉島 正一	
			2017A6765	BL44XU	和田 啓	
			2017B6765	BL44XU	和田 啓	
			2017A6766	BL44XU	和田 啓	
			2018A6700	BL44XU	中川 敦史	
2018B6700	BL44XU	中川 敦史				

### IOP Conference Series: Materials Science and Engineering

38116	Hideyuki Yasuda	529 (2019) 012013	2017B1463	BL20XU	安田 秀幸	Investigation Using 4D-CT of Massive-like Transformation from the $\delta$ to $\gamma$ Phase during and after $\delta$ -Solidification in Carbon Steels
			2018A1380	BL20XU	安田 秀幸	
			2017A1336	BL20XU	安田 秀幸	
			2016B1458	BL20XU	安田 秀幸	
			2016A1454	BL20B2	安田 秀幸	
38117	Hideyuki Yasuda	529 (2019) 012023	2017B1463	BL20XU	安田 秀幸	Characterization of Dendritic Growth in Fe-C System Using Time-Resolved X-ray Tomography and Physics-Based Filtering
			2018A1380	BL20XU	安田 秀幸	
			2017A1336	BL20XU	安田 秀幸	
			2016B1458	BL20XU	安田 秀幸	
			2016A1454	BL20B2	安田 秀幸	

### ISIJ International

37722	Yasutaka Mugita	59 (2019) 1362-1368	2016B1416	BL20XU	古君 修	Void Nucleation, and Growth during Tensile Deformation of Nanoscale Precipitated Steel and Bainitic Steel
			2017B1088	BL20XU	尾崎 由紀子	
37939	Tomohiro Nishimura	59 (2019) 459-465	2018A1380	BL20XU	安田 秀幸	Selection of the Massive-like $\delta$ - $\gamma$ Transformation due to Nucleation of Metastable $\delta$ Phase in Fe-18 Mass%Cr-Ni Alloys with Ni Contents of 8, 11, 14 and 20 Mass%
			2016B1458	BL20XU	安田 秀幸	
			2015A1642	BL20B2	安田 秀幸	
			2014B1449	BL20B2	安田 秀幸	
			2014A1379	BL20B2	安田 秀幸	

IUCrJ

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
37888	Kiyofumi Takaba	6 (2019) 387-400	2015B2033	BL41XU	竹田 一旗	Subatomic Resolution X-ray Structures of Green Fluorescent Protein
			2015B1037	BL41XU	竹田 一旗	
			2016A6624	BL44XU	竹田 一旗	
			2016A2536	BL41XU	竹田 一旗	
			2017A6728	BL44XU	竹田 一旗	
			2017A2542	BL41XU	竹田 一旗	
			2018A6827	BL44XU	竹田 一旗	
			2018B2705	BL41XU	竹田 一旗	
			2016A1856	BL41XU	水野 伸宏	
			2016A2533	BL41XU	長谷川 和也	
37942	Ali Ebrahim	6 (2019) 543-551	2018A8005	BL2	Hough Michael	Dose-resolved Serial Synchrotron and XFEL Structures of Radiation-Sensitive Metalloproteins
			2017B8014	BL2	Hough Michael	

Journal of Electron Spectroscopy and Related Phenomena

37691	Hidetoshi Miyazaki	232 (2019) 1-4	2014A1160	BL47XU	曾田 一雄	Direct Observation of Pseudo-Gap Electronic Structure in the Heusler-Type Fe <sub>2</sub> VAl Thin Film
38025	Keishi Akada	233 (2019) 64-68	2015B7402	BL07LSU	尾嶋 正治	<i>Operando</i> Measurement of Single Crystalline Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> with Octahedral-like Morphology by Microscopic X-ray Photoelectron Spectroscopy
			2016A7402	BL07LSU	尾嶋 正治	
			2016B7402	BL07LSU	尾嶋 正治	
			2017A7402	BL07LSU	尾嶋 正治	
			2017B7402	BL07LSU	尾嶋 正治	
			2018A7563	BL07LSU	赤田 圭史	
			2018A7567	BL07LSU	細野 英司	

Journal of Materials Chemistry C

38145	Masahiko Saito	6 (2018) 3668-3674	2016B1875	BL46XU	尾坂 格	Impact of Side Chain Placement on Thermal Stability of Solar Cells in Thiophene-Thiazolothiazole Polymers
38177	Yuya Asanuma	7 (2019) 905-916	2017A1771	BL46XU	尾坂 格	Vinylene-Bridged Difluorobenzod[ <i>cj</i> ][1,2,5]-thiadiazole (FBTzE): a New Electron-Deficient Building Block for High-Performance Semiconducting Polymers in Organic Electronics
			2017B1831	BL46XU	尾坂 格	

The Journal of Physical Chemistry B

37884	Mitsuhiro Hirai	123 (2019) 3421-3429	2016A1487	BL40B2	平井 光博	Structure of Ultrafine Bubbles and Their Effects on Protein and Lipid Membrane Structures Studied by Small- and Wide-Angle X-ray Scattering
			2017A1435	BL40B2	平井 光博	
37969	Kei Hashimoto	123 (2019) 4098-4107	2016B1710	BL04B2	小林 優美	Solvation Structure of Poly(benzyl methacrylate) in a Solvate Ionic Liquid: Preferential Solvation of Li-Glyme Complex Cation

Journal of Power Sources

38081	Yusaku Nishimura	434 (2019) 226721	2014B1574	BL39XU	西村 友作	Hard X-ray Spectroscopic Methods Using Emitted X-ray to Understand Charge Compensation in Positive Electrode Materials for Lithium-Ion Batteries
			2014B1582	BL27SU	西村 友作	
38118	Ryota Yuge	434 (2019) 226746	2018B3405	BL08B2	弓削 亮太	Surface Modification Using Sm-oxide of Fe- and Ni-substituted Li <sub>2</sub> MnO <sub>3</sub> Cathodes
			2015A3346	BL08B2	戸田 昭夫	
			2015B3346	BL08B2	戸田 昭夫	
			2016A3346	BL08B2	戸田 昭夫	
			2016B3346	BL08B2	戸田 昭夫	
			2016B1624	BL46XU	弓削 亮太	
			2015A1966	BL46XU	弓削 亮太	
			2016A1518	BL46XU	弓削 亮太	

Journal of Structural Biology

37719	Tomohiko Matsuzawa	205 (2019) 84-90	2016A6657	BL44XU	渡邊 真宏	Crystal Structure and Substrate Recognition Mechanism of <i>Aspergillus oryzae</i> Isoprimeverose-Producing Enzyme
			2016B6657	BL44XU	渡邊 真宏	
			2017A6767	BL44XU	渡邊 真宏	
			2017B6767	BL44XU	渡邊 真宏	
37805	Tatsuhito Matsuo	205 (2019) 196-205	2014A1309	BL45XU	藤原 悟	Effects of the Cardiomyopathy-Causing E244D Mutation of Troponin T on the Structures of Cardiac Thin Filaments Studied by Small-Angle X-ray Scattering

### Journal of Synchrotron Radiation

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
37900	Tetsuo Katayama	26 (2019) 333-338	2018A8080	BL3	片山 哲夫	X-ray Optics for Advanced Ultrafast Pump-Probe X-ray Experiments at SACLA
38133	Yoko Takeo	26 (2019) 756-761	2015A1148	BL25SU	三村 秀和	Probing the Spatial Coherence of Wide X-ray Beams with Fresnel Mirrors at BL25SU of SPring-8

### Journal of the American Chemical Society

37945	Takaumi Morita	140 (2018) 2995-3007	2014B1827	BL40XU	橋本 敬	Comparison of the Magnetic Anisotropy and Spin Relaxation Phenomenon of Dinuclear Terbium(III) Phthalocyaninato Single-Molecule Magnets Using the Geometric Spin Arrangement
38090	Xiao Zhao	141 (2019) 8516-8526	2016A7800	BL36XU	岩澤 康裕	An Integrated Single-Electrode Method Reveals the Template Roles of Atomic Steps: Disturb Interfacial Water Networks and Thus Affect the Reactivity of Electrocatalysts
			2016B7800	BL36XU	岩澤 康裕	
			2017A7803	BL36XU	岩澤 康裕	
			2016B7806	BL36XU	岩澤 康裕	
			2017A7800	BL36XU	岩澤 康裕	
			2017A7806	BL36XU	岩澤 康裕	
			2017B7800	BL36XU	岩澤 康裕	
			2017B7806	BL36XU	岩澤 康裕	
2018A7800	BL36XU	岩澤 康裕				

### Physical Chemistry Chemical Physics

37953	Zen Maeno	21 (2019) 13415-13427	2018B1568	BL14B2	前野 禅	Experimental and Theoretical Study of Multinuclear Indium-oxo Clusters in CHA Zeolite for CH <sub>4</sub> Activation at Room Temperature
			2018B1126	BL01B1	鳥屋尾 隆	
38061	Saki Sawayama	21 (2019) 11435-11443	2017B1547	BL04B2	藤井 健太	Fluorinated Alkyl-Phosphate-Based Electrolytes with Controlled Lithium-Ion Coordination Structure
			2018B1472	BL04B2	藤井 健太	
			2018B1658	BL04B2	鶴村 達也	

### Polymers

37911	Hiromitsu Nakazawa	11 (2019) 829	2015A1406	BL40B2	中沢 寛光	Simultaneous Measurements of Structure and Water Permeability in an Isolated Human Skin Stratum Corneum Sheet
			2016A1193	BL40B2	中沢 寛光	
			2016B1485	BL40B2	中沢 寛光	
			2017A1537	BL40B2	中沢 寛光	
			2017B1057	BL40B2	中沢 寛光	
			2015A7203	BL03XU	中沢 寛光	
			2015B7253	BL03XU	中沢 寛光	
			2016A7203	BL03XU	中沢 寛光	
38100	Ryosuke Kusumi	10 (2018) 653	2014B1413	BL40B2	河井 貴彦	Crystal Orientation of Poly(L-Lactic Acid) Induced by Magnetic Alignment of a Nucleating Agent
			2015A1282	BL40B2	河井 貴彦	

### RSC Advances

37725	Tsukasa Hasegawa	9 (2019) 10807-10813	2018B1001	BL11XU	松本 英俊	Fluorination and Chlorination Effects on Quinoxalineimides as an Electron-Deficient Building Block for n-Channel Organic Semiconductors
38151	Kenta Aoshima	8 (2018) 30201-30206	2017A1771	BL46XU	尾坂 格	Organic Photovoltaics of Diketopyrrolopyrrole Copolymers with Unsymmetric and Regiorandom Configuration of the Side Units
			2016A1542	BL46XU	尾坂 格	

### Science

37769	Jan M. Scheller	363 (2019) 257-260	2017B6500	BL44XU	山下 栄樹	Structural Adaptations of Photosynthetic Complex I Enable Ferredoxin-Dependent Electron Transfer
37896	Kazuhiro Kashiwagi	364 (2019) 495-499	2014A1347	BL41XU	伊藤 拓宏	Structural Basis for eIF2B Inhibition in Integrated Stress Response
			2014B1566	BL41XU	伊藤 拓宏	
			2015B2050	BL41XU	伊藤 拓宏	
			2016A2545	BL41XU	伊藤 拓宏	
			2017A2581	BL41XU	伊藤 拓宏	

### Thin Solid Films

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
37893	Aya Yoshii	677 (2019) 77-82	2015A1845	BL46XU	渡邊 光	Fabrication of Ionic Liquid Polycrystalline Nano Thin Films and Their Ion Conducting Properties Accompanied by Solid-Liquid Phase Transition
			2016A1672	BL46XU	鳥屋部 果穂	
			2016B1784	BL46XU	鳥屋部 果穂	
			2017A0136	BL46XU	宮寺 哲彦	
38097	Haochun Tang	614 (2016) 73-78	2014B4702	BL15XU	神谷 利夫	Effects of Thermal Annealing on Elimination of Deep Defects in Amorphous In-Ga-Zn-O Thin-Film Transistors
			2015A4704	BL15XU	神谷 利夫	

### Transactions of the Materials Research Society of Japan

37714	Yoshihiro Ebisu	44 (2019) 75-78	2013B1368	BL09XU	尾崎 徹	Cluster Size Effect of X-ray Fluorescence Hologram Simulation Using $\text{Sr}_{0.95}\text{La}_{0.05}\text{TiO}_3$
38062	Yasuhiro Yoneda	44 (2019) 61-64	2018B3607	BL14B1	米田 安宏	Observation of Simulated Fuel Debris Using Synchrotron Radiation

### 29th International Symposium on Space Technology and Science

37697	Yuichiro Ogata	(2013) 2013-r-51p	2011B1512	BL43IR	藪田 ひかる	Hypervelocity Capture of Murchison Meteorite Particles in Aerogel: Ground-based Experiment for the Cosmic Dusts Capture at the International Space Station
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### ACS Applied Electronic Materials

38022	Dongho Yoo	1 (2019) 764-771	2018B1001	BL40B2	松本 英俊	n-Type Organic Field-Effect Transistors Based on Bisthienoisatin Derivatives
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### ACS Central Science

37881	Hulei Yu	5 (2019) 683-687	2017B1053	BL10XU	Chen Yue	Unveiling a Novel, Cation-Rich Compound in a High-Pressure Pb-Te Binary System
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### ACS Chemical Biology

37694	Chia-Lin Chen	12 (2017) 1335-1345	2015A1075	BL41XU	Ma Che	Crystal Structure of a Homogeneous IgG-Fc Glycoform with the N-Glycan Designed to Maximize the Antibody-Dependent Cellular Cytotoxicity
			2014B1432	BL41XU	Ma Che	

### Acta Crystallographica Section B

38021	Ryosuke S. S. Maki	75 (2019) 442-448	2016A1782	BL19B2	牧 涼介	A Further Investigation of the Complex M3 Murataite Structure Using Hf Substitution and STEM-EELS Techniques
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### Advanced Functional Materials

38160	Ailing Tang	28 (2017) 1704507	2016B1875	BL46XU	尾坂 格	Simultaneously Achieved High Open-Circuit Voltage and Efficient Charge Generation by Fine-Tuning Charge-Transfer Driving Force in Nonfullerene Polymer Solar Cells
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### AIP Advances

37864	Efi Dwi Indari	9 (2019) 045002	2017B4604	BL15XU	山下 良之	Relationship between Band-Offset, Gate Leakage Current, and Interface States Density at $\text{SiO}_2/\text{4H-SiC}$ (000-1) Interface
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### Applied Catalysis B

37971	Zhenzhong Zhang	246 (2019) 100-110	2014B1897	BL14B2	大橋 弘範	Direct Transformation of Terminal Alkenes with $\text{H}_2$ into Primary Alcohols over Metal Oxide-Supported Pd Catalysts
			2016A1521	BL14B2	村山 美乃	
			2017A1780	BL14B2	村山 美乃	

### Applied Physics A

37751	Yuki Katamune	125 (2019) 295	2014B1714	BL47XU	片宗 優貴	Electrical Properties of Boron-Incorporated Ultrananocrystalline Diamond/Hydrogenated Amorphous Carbon Composite Films
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### Archives of Oral Biology

37850	Tomoko Tanaka	101 (2019) 135-141	2014B1803	BL27SU	小林 隆嗣	Phosphoryl Oligosaccharides of Calcium Enhance Mineral Availability and Fluorapatite Formation
			2018B1591	BL27SU	田中 智子	

### Biochemistry

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
37689	Takehiro Ohta	57 (2018) 6649-6652	2015B1148	BL09XU	太田 雄大	A Nuclear Resonance Vibrational Spectroscopic Study of Oxy Myoglobins Reconstituted with Chemically Modified Heme Cofactors: Insights into the Fe-O <sub>2</sub> Bonding and Internal Dynamics of the Protein
			2015A1433	BL09XU	太田 雄大	

### Biochimica et Biophysica Acta - General Subjects

37770	Kazunori Sugiura	1863 (2019) 1098-1107	2017B6500	BL44XU	山下 栄樹	Multicolor Redox Sensor Proteins can Visualize Redox Changes in Various Compartments of the Living Cell
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### Bulletin of the Chemical Society of Japan

38172	Seiji Yamazoe	92 (2019) 193-204	2013A1411	BL04B2	山添 誠司	X-ray Absorption Spectroscopy on Atomically Precise Metal Clusters
			2013B1421	BL01B1	山添 誠司	
			2014A1458	BL01B1	山添 誠司	
			2014B1430	BL01B1	山添 誠司	
			2015A1258	BL04B2	山添 誠司	
			2015A1590	BL01B1	山添 誠司	
			2015B1308	BL01B1	山添 誠司	
			2016A1436	BL01B1	山添 誠司	
			2016B1493	BL01B1	山添 誠司	
2017A1492	BL01B1	山添 誠司				

### Catalysis Science & Technology

37819	Yasutaka Nagai	9 (2019) 1103-1107	2017A7001	BL33XU	高木 秀樹	Mechanistic Insights into a NO <sub>x</sub> Storage-Reduction (NSR)
			2017B7001	BL33XU	高木 秀樹	Catalyst by Spatiotemporal <i>Operando</i> X-ray Absorption Spectroscopy
			2018A7001	BL33XU	岩崎 正興	

### Cell

37825	Bing Zhang	176 (2019) 636-648	2017B2726	BL41XU	Rao Zhe	Crystal Structures of Membrane Transporter MmpL3, an Anti-TB Drug Target
			2018A2505	BL41XU	Rao Zhe	

### ChemBioChem

37707	Wen-Yih Jeng	20 (2019) 295-307	2015A4008	BL12B2	Jeng Wen-Yih	Crystal Structures of the C-Terminally Truncated Endoglucanase Cel9Q from <i>Clostridium thermocellum</i> Complexed with Cellodextrins and Tris
			2015B4006	BL12B2	Jeng Wen-Yih	

### Chemical Science

37860	Quan Zhang	10 (2019) 5133-5137	2018B1728	BL14B2	荻原 直希	Solid-Solution Alloy Nanoparticles of a Combination of Immiscible Au and Ru with a Large Gap of Reduction Potential and Their Enhanced Oxygen Evolution Reaction Performance
			2015A1319	BL02B2	北川 宏	
			2015B1339	BL02B2	北川 宏	
			2016A1483	BL02B2	草田 康平	

### ChemPlusChem

38015	Katsutoshi Sato	84 (2019) 447-456	2015A1487	BL01B1	永岡 勝俊	Co Alloy Nanoparticles on a $\gamma$ -Al <sub>2</sub> O <sub>3</sub> Support: Synergistic Effect between Isolated Electron-Rich Pt and Co for Automotive Exhaust Purification
			2016A1378	BL01B1	佐藤 勝俊	

### ChemSusChem

38108	Hiroshi Onishi	12 (2019) 1825-1834	2016B1107	BL13XU	大西 洋	Sodium Tantalate Photocatalysts Doped with Metal Cations: Why Are They Active for Water Splitting?
			2017A1079	BL13XU	大西 洋	
			2018A1180	BL13XU	大西 洋	

### Communications Chemistry

37977	Yanna Chen	1 (2018) 61	2014B4906	BL15XU	北川 宏	Electronic Origin of Hydrogen Storage in MOF-Covered Palladium Nanocubes Investigated by Synchrotron X-rays
			2016B4910	BL15XU	草田 康平	
			2017A4910	BL15XU	草田 康平	

### Current Opinion in Electrochemistry

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
38111	Masashi Nakamura	14 (2019) 200-205	2012B1126	BL13XU	中村 将志	New Insights on Structural Dynamics of Electrochemical Interface by Time-Resolved Surface X-ray Diffraction
			2013A1116	BL13XU	中村 将志	
			2013B1210	BL13XU	中村 将志	
			2014A1175	BL13XU	中村 将志	
			2015A1213	BL13XU	中村 将志	

### E-Journal of Advanced Maintenance

37880	Kenji Suzuki	10 (2019) 9-17	2008A1766	BL02B1	田中 良彦	Intergranular Strains of Plastically Deformed Austenitic Stainless Steel
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### e-Journal of Surface Science and Nanotechnology

37883	Susumu Yamamoto	17 (2019) 49-55	2018A7565	BL07LSU	加藤 浩之	Direct Evidence of Interfacial Hydrogen Bonding in Protein-Electron Concerted 2D Organic Bilayer on Au Substrate
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### Electrochimica Acta

37905	Akimitsu Ishihara	283 (2018) 1779-1788	2017B1968	BL37XU	尾原 幸治	Factors Affecting Oxygen Reduction Activity of Nb <sub>2</sub> O <sub>5</sub> -Doped TiO <sub>2</sub> Using Carbon Nanotubes as Support in Acidic Solution
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### Environmental Science & Technology

38143	Kosuke Yamamoto	52 (2018) 13270-13278	2016B1565	BL14B2	橋本 洋平	Speciation of Phosphorus Zinc and Copper in Soil and Water-Dispersible Colloid Affected by a Long-Term Application of Swine Manure Compost
			2016B1181	BL01B1	橋本 洋平	

### Euro PM2018 Congress Proceedings

38134	Yukiko Ozaki	(2018)	2017B1088	BL20XU	尾崎 由紀子	Four-dimensional Observation of Ductile Fracture in Sintered Iron Using Synchrotron X-ray Laminography
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### Ferroelectrics

38063	Yasuhiro Yoneda	538 (2019) 57-62	2018A3607	BL14B1	米田 安宏	Local Structure Analysis of PbTiO <sub>3</sub> in High-Temperature Cubic Phase
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### Frontiers in Earth Science

38023	Toshihiro Yoshimura	7 (2019) 124	2015B1525	BL27SU	吉村 寿紘	Partitioning and Chemical Environments of Minor Elements in Individual Large Benthic Foraminifera Cultured in Temperature-Controlled Tanks
			2015B1526	BL27SU	川幡 穂高	
			2016A1462	BL27SU	吉村 寿紘	

### Fuel

37766	Jeeyeon Jeon	232 (2018) 308-316	2014B0111	BL40XU	文 石洙	Near-nozzle Spray Dynamics of 6-hole GDI Injector under Subcooled and Superheated Conditions
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### Geochimica et Cosmochimica Acta

38129	Sakiko Kikuchi	251 (2019) 1-14	2017A1093	BL01B1	菊池 早希子	Molecular-scale Insights into Differences in the Adsorption of Cesium and Selenium on Biogenic and Abiogenic Ferrihydrite
			2016A1350	BL01B1	菊池 早希子	

### High Energy Density Physics

38024	Nicholas Hartley	32 (2019) 63-69	2017B8075	BL3	Hartley Nicholas	Ultrafast Anisotropic Disorder in Graphite Driven by Intense Hard X-ray Pulses
			2018A8056	BL3	Hartley Nicholas	

### Intermetallics

38000	Jingwei Xian	102 (2018) 34-45	2015B1611	BL20XU	Gourlay Christopher	Influence of Ni on the Refinement and Twinning of Primary Cu <sub>3</sub> Sn <sub>5</sub> in Sn-0.7Cu-0.05Ni
			2014B1620	BL20XU	野北 和宏	
			2015A1675	BL20XU	野北 和宏	
			2016B1319	BL20B2	野北 和宏	
			2017B1519	BL20XU	Salleh Arif	



**iScience**

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
38200	Yohei Haketa	14 (2019) 241-256	2015B1397	BL38B1	久木 一朗	Liquid Crystals Comprising $\pi$ -Electronic Ions from Porphyrin-Au <sup>III</sup> Complexes
			2015A0114	BL40XU	高谷 光	
			2016A1121	BL38B1	久木 一朗	
			2016A1360	BL40B2	前田 大光	
			2016B1311	BL40B2	山門 陵平	
			2016B1498	BL40B2	羽毛田 洋平	
2017B1559	BL40B2	羽毛田 洋平				

**JOM**

37997	Liuqing Peng	71 (2019) 2235-2244	2017B1478	BL20XU	Gourlay Christopher	Al <sub>6</sub> Mn <sub>5</sub> Particle Settling and Interactions with Oxide Films in Liquid AZ <sub>91</sub> Magnesium Alloys
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**Journal of Alloys and Compounds**

37774	Akhil Tayal	791 (2019) 1263-1269	2014B1210	BL04B2	Kumara Rosantha	Effects of Interfacial Structure of Pd-Pt Nanoparticles on Hydrogen Solubility
			2015B1245	BL04B2	坂田 修身	
			2016A1028	BL04B2	坂田 修身	
			2016A0130	BL01B1	小原 真司	
			2016A0130	BL04B2	小原 真司	
			2017B1018	BL01B1	坂田 修身	
2018A1258	BL01B1	坂田 修身				

**Journal of Applied Crystallography**

38084	Yoshinori Ohmasa	52 (2019) 652-664	2008B1426	BL40B2	千葉 文野	Diffuse + Bragg Double Scattering and Specular Reflection Observed in the Small-Angle X-ray Scattering from Highly Oriented Pyrolytic Graphite
			2009B1229	BL40B2	千葉 文野	

**Journal of Astronomical Telescopes, Instruments, and Systems**

38138	Kazunori Asakura	5 (2019) 035002	2018A1368	BL20B2	林田 清	X-ray Imaging Polarimetry with a 2.5- $\mu$ m Pixel CMOS Sensor for Visible Light at Room Temperature
			2018B1235	BL20B2	林田 清	

**The Journal of Biochemistry**

37816	Mayuko Sakuma	(2019) Online published 15 Apr. 2019	2014A1388	BL41XU	今田 勝巳	Structure of the Periplasmic Domain of SflA Involved in Spatial Regulation of the Flagellar Biogenesis of <i>Vibrio</i> Reveals a TPR/SLR-like Fold
			2015A1084	BL41XU	今田 勝巳	

**Journal of Biological Chemistry**

37718	Yusuke Nakamichi	294 (2019) 4065-4078	2017B6767	BL44XU	渡邊 真宏	Structural and Functional Characterization of a Bifunctional GH30-7 Xylanase B from the Filamentous Fungus <i>Talaromyces cellulolyticus</i>
			2018A6863	BL44XU	渡邊 真宏	

**Journal of Catalysis**

37972	Tamao Ishida	374 (2019) 320-327	2016A1521	BL14B2	村山 美乃	Pd-Catalyzed Decarbonylation of Furfural: Elucidation of Support Effect on Pd Size and Catalytic Activity Using in-situ XAFS
			2017A1780	BL14B2	村山 美乃	

**The Journal of Chemical Physics**

37901	Hironobu Fukuzawa	150 (2019) 174306	2007A1394	BL27SU	上田 潔	Probing Molecular Bond-Length Using Molecular-Frame Photoelectron Angular Distributions
			2007A1602	BL27SU	森下 雄一郎	

**Journal of Chromatography A**

38094	Akiyuki Ryoki	1599 (2019) 144-151	2017B1062	BL40B2	寺尾 憲	Does Local Chain Conformation Affect the Chiral Recognition Ability of an Amylose Derivative? Comparison between Linear and Cyclic Amylose Tris(3,5-dimethylphenylcarbamate)
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**Journal of Crystal Growth**

37798	Masatomo Sumiya	511 (2019) 15-18	2017A4603	BL15XU	角谷 正友	Structural Disorder and In-Gap States of Mg-Implanted GaN Films Evaluated by Photothermal Deflection Spectroscopy
			2018A4603	BL15XU	角谷 正友	
			2018B4602	BL15XU	角谷 正友	

### Journal of Electroanalytical 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
37915	Shuntaro Takahashi	842 (2019) 1-7	2016B7905	BL36XU	轟 直人	Effective Surface Termination with Au on PtCo@Pt Core-Shell Nanoparticle: Microstructural Investigations and Oxygen Reduction Reaction Properties
			2017B7905	BL36XU	轟 直人	

### Journal of Magnetism and Magnetic Materials

37813	Akane Agui	484 (2019) 207-211	2017B1115	BL08W	安居院 あかね	Temperature Dependence of the Microscopic Magnetization Process of Tb <sub>12</sub> Co <sub>88</sub> Using Magnetic Compton Scattering
			2017A1083	BL08W	安居院 あかね	
			2018A1090	BL08W	安居院 あかね	
			2018A1195	BL08W	安居院 あかね	

### Journal of Materials Science

37771	Naoko Oono	54 (2019) 8786-8799	2015A1669	BL19B2	大野 直子	Precipitation of Various Oxides in ODS Ferritic Steels
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### Journal of Medicinal Chemistry

38057	Tsung-Sheng Wu	62 (2019) 3940-3957	2015B4008	BL12B2	Wu Suying	Discovery of Conformational Control Inhibitors Switching off the Activated c-KIT and Targeting a Broad Range of Clinically Relevant c-KIT Mutants
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### Journal of Molecular Liquids

37941	Shiho Yada	284 (2019) 586-591	2017B1696	BL40B2	矢田 詩歩	Adsorption and Aggregation Properties of Alkoxy-Group-Modified Homogeneous Polyoxyethylene Alkyl Ether Nonionic Surfactants
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### Journal of Nuclear Materials

37940	Daisuke Akiyama	520 (2019) 27-33	2016A1693	BL01B1	佐藤 修彰	Phase Analysis of Uranium Oxides after Reaction with Stainless Steel Components and ZrO <sub>2</sub> at High Temperature by XRD, XAFS, and SEM/EDX
			2016B1805	BL01B1	佐藤 修彰	

### The Journal of Organic Chemistry

37690	Takaki Habuchi	84 (2019) 1430-1439	2014A6902	BL44XU	青山 浩	Hybridization and Mismatch Discrimination Abilities of 2',4'-Bridged Nucleic Acids Bearing 2-Thiothymine or 2-Selenothymine Nucleobase
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### Journal of Pharmaceutical Sciences

38065	Kouhei Matsumoto	108 (2019) 2086-2093	2017B1864	BL37XU	岩尾 康範	Mechanism of Drug Release From Temperature-Sensitive Formulations Composed of Low-Melting-Point Microcrystalline Wax
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### Journal of Photopolymer Science and Technology

38198	Tomoya Higashihara	32 (2019) 741-746	2016B1572	BL46XU	東原 知哉	Morphological Study of Blend Thin Films of Poly(3-hexylthiophene)-block-polyisobutylene-block-poly(3-hexylthiophene):poly(3-hexylthiophene) and Their Application to Photovoltaics
			2017A1767	BL46XU	東原 知哉	

### The Journal of Physical Chemistry Letters

38152	Ryosuke Nishikubo	9 (2018) 5392-5399	2017B1831	BL46XU	尾坂 格	Solution-Processed Bi <sub>2</sub> S <sub>3</sub> Photoresistor Film To Mitigate a Trade-off between Morphology and Electronic Properties
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### Journal of Solid State Chemistry

37838	Nobuhiro Miyata	275 (2019) 83-87	2014A5420	BL16B2	児島 淳子	Spin States Investigation of Delafossite Oxides by Means of X-ray Absorption and Photoemission Spectroscopy
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### Journal of the Ceramic Society of Japan

38064	Tomoya Kaneko	127 (2019) 378-382	2016B1882	BL19B2	内山 智貴	Oxygen Sorption-Desorption Properties and Order-Disorder Transition on La-Sr-Co-Fe Perovskite-type Oxides
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### Journal of the Electrochemical 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
37840	Hiromasa Fujii	166 (2019) E212-E216	2016B0908	BL13XU	若林 裕助	Kinetics of Iron Passivation Studied by Sub-Second Resolution Realtime X-ray Reflectivity Technique
			2018A1135	BL13XU	若林 裕助	
			2018B0938	BL13XU	若林 裕助	

### Langmuir

37974	Yuki Karneyama	35 (2019) 6719-6726	2014B1087	BL40B2	寺尾 憲	Self-Assembly of Amphiphilic Amylose Derivatives in Aqueous Media
			2014B1715	BL40B2	高橋 倫太郎	
			2015A1179	BL40B2	寺尾 憲	
			2015B1100	BL40B2	寺尾 憲	
			2016B1088	BL40B2	寺尾 憲	

### Macromolecular Symposia

38190	Katsuhiko Yamamoto	385 (2019) 1800181	2012A1741	BL19B2	山本 勝宏	SAXS and SANS Studies on the Phase-Separated Network Structure of Amphiphilic Copolymer Composed of Poly(dimethyl siloxane) and Poly(N,N-dimethyl acrylamide) Gels Swollen in Water and a Water/Methanol Mixture
			2013A1418	BL40B2	山本 勝宏	

### Materials

38056	Chao Zhou	12 (2019) 1755	2006A4500	BL15XU	Ren Xiaobing	Thermal Expansion and Magnetostriction of Laves-Phase Alloys: Fingerprints of Ferrimagnetic Phase Transitions
			2006B4502	BL15XU	Ren Xiaobing	
			2007A4505	BL15XU	Ren Xiaobing	
			2007B4800	BL15XU	小林 啓介	
			2008A4501	BL15XU	Ren Xiaobing	
			2008B4800	BL15XU	小林 啓介	
			2009A4503	BL15XU	Ren Xiaobing	
			2009B4503	BL15XU	Ren Xiaobing	
			2010A4504	BL15XU	Ren Xiaobing	
			2010B4508	BL15XU	Ren Xiaobing	
			2011B4513	BL15XU	Ren Xiaobing	

### Materials Characterization

38189	Masakazu Kobayashi	154 (2019) 424-436	2015A1231	BL47XU	小林 正和	Three-Dimensional Structure of High-Performance Heat Insulator Produced with Micro and Nano Particle Alumina
			2016B1244	BL47XU	小林 正和	

### Materials Chemistry Frontiers

38019	Ikuya Yamada	3 (2019) 1208-1217	2017B1076	BL04B1	山田 幾也	High-Pressure Synthesis of Highly Oxidized Ba <sub>0.5</sub> Sr <sub>0.5</sub> Co <sub>0.8</sub> Fe <sub>0.2</sub> O <sub>3-δ</sub> Cubic Perovskite
			2017B1900	BL14B2	山田 幾也	
			2018A1077	BL02B2	山田 幾也	
			2018B1769	BL14B2	山田 幾也	

### Materials Letter

38188	Masashi Harada	253 (2019) 102-104	2005B0296	BL40B2	原田 雅史	Nano-Structure of Organic-Inorganic Layered Hybrids Characterized by Small-Angle Scattering of X-rays and Neutrons
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### Materials Research Bulletin

37797	Nobuhiro Kumada	115 (2019) 170-175	2017B1619	BL14B2	熊田 伸弘	Hydrothermal Synthesis and Crystal Structure of New Red Phosphors, KNaMF <sub>7</sub> :Mn <sup>2+</sup> (M: Nb, Ta)
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### Metals

37914	Yoshinobu Shimamura	9 (2019) 527	2014B3723	BL22XU	秋田 貢一	Feasibility Study on Application of Synchrotron Radiation $\mu$ CT Imaging to Alloy Steel for Non-Destructive Inspection of Inclusions
			2015A3723	BL22XU	秋田 貢一	
			2016B3722	BL22XU	秋田 貢一	

### Minerals

37895	Tatsuya Kato	9 (2019) 267	2018A1696	BL14B2	所 千晴	Structural Change Analysis of Cerianite in Weathered Residual Rare Earth Ore by Mechanochemical Reduction Using X-ray Absorption Fine Structure
			2018A1798	BL14B2	加藤 達也	

### Molecules

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
37869	Guoshen Yang	24 (2019) 976	2016B1510	BL02B2	武井 貴弘	Enhanced Supercapacitor Performance Based on CoAl Layered Double Hydroxide-Polyaniline Hybrid Electrodes Manufactured Using Hydrothermal-Electrodeposition Technology

### Nanomaterials

37857	Shogo Kusano	9 (2019) 642	2012B3506	BL11XU	松村 大樹	Electrochemical Adsorption on Pt Nanoparticles in Alkaline Solution Observed Using In Situ High Energy Resolution X-ray Absorption Spectroscopy
			2013A3506	BL11XU	松村 大樹	
			2014A3506	BL11XU	松村 大樹	
			2014B3506	BL11XU	松村 大樹	
			2015B3506	BL11XU	松村 大樹	
			2016A3556	BL11XU	松村 大樹	

### Nature

37907	Bing Li	567 (2019) 506-510	2018B1095	BL04B2	Li Bing	Colossal Barocaloric Effects in Plastic Crystals
			2018A2061	BL02B2	河口 彰吾	

### Nature Microbiology

37896	Kuan-Ying A. Huang	4 (2019) 306-315	2016A2564	BL41XU	Ma Che	Structure-Function Analysis of Neutralizing Antibodies to H7N9 Influenza from Naturally Infected Humans
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### Nature Nanotechnology

37917	Peng Mi	11 (2016) 724-730	2013B1778	BL37XU	Cabral Horacio	A pH-Activatable Nanoparticle with Signal-Amplification Capabilities for Non-Invasive Imaging of Tumour Malignancy
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### Nature Structural and Molecular Biology

38101	Hidenori Hirai	26 (2019) 372-379	2017B6500	BL44XU	山下 栄樹	Crystal Structure of a Mammalian Wnt-frizzled Complex
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### Optics Express

38194	Dohyung Cho	27 (2019) 19573-19582	2015B8031	BL3	Song Changyong	Comparing the Spatial Coherence of the Natural and Focused X-rays from a Free Electron Laser
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### Optics Letters

37936	Takashi Kameshima	44 (2019) 1403	2016A1850	BL20XU	亀島 敬	Development of an X-ray Imaging Detector to Resolve 200 nm Line-and-Space Patterns by Using Transparent Ceramics Layers Bonded by Solid-State Diffusion
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### Organic & Biomolecular Chemistry

38199	Wakana Naito	17 (2019) 1163-1168	2015A0114	BL40XU	高谷 光	Quadruply <i>N</i> -Methylated Octaphyrin: a Helical Macrocyclic Exhibiting Chiroptical Properties and Dynamic Conformation Changes Correlated with Helical and Inner <i>N</i> -Methyl Orientations
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### Palaeogeography, Palaeoclimatology, Palaeoecology

38142	Satoshi Takahashi	516 (2019) 384-399	2013B1658	BL01B1	中田 亮一	Iron Depleted Pelagic Water at the End-Permian Mass Extinction Inferred from Chemical Species of Iron and Molybdenum in Deep-Sea Sedimentary Rocks
			2014A1277	BL01B1	高橋 嘉夫	
			2014B1307	BL37XU	高橋 嘉夫	
			2015A0118	BL01B1	高橋 嘉夫	
			2015A0118	BL37XU	高橋 嘉夫	

### Philosophical Transactions of the Royal Society A

37862	Yue Cao	377 (2019) 20170480	2016A8025	BL3	Dean Mark	Ultrafast Dynamics of Spin and Orbital Correlations in Quantum Materials: an Energy- and Momentum-Resolved Perspective
			2015B8023	BL3	Dean Mark	

### Physical Review A

37758	Hironobu Fukuzawa	99 (2019) 042505	2014B1769	BL17SU	高梨 司	Low-Energy-Electron Production after <i>2p</i> Ionization of Argon Clusters
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### 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
38115	Hirofumi Akamatsu	3 (2019) 065001	2016B1269	BL02B2	藤田 晃司	A-site Cation Size Effect on Oxygen Octahedral Rotations in Acentric Ruddlesden-Popper Alkali Rare-Earth Titanates
			2018B1400	BL02B2	藤田 晃司	
			2018A1152	BL02B2	赤松 寛文	

### Polymer

38170	Takahiko Kawai	178 (2019) 121523	2014A1178	BL13XU	河井 貴彦	Deformation Induced Void Formation and Growth in $\beta$ Nucleated Isotactic Polypropylene
			2014B1413	BL40B2	河井 貴彦	
			2015A1282	BL40B2	河井 貴彦	
			2015B1227	BL40B2	河井 貴彦	
			2016A1005	BL40B2	河井 貴彦	

### Polymer Chemistry

38183	Hiroki Mori	7 (2016) 1549-1558	2014A1530	BL46XU	尾坂 格	Highly Crystalline, Low Band-Gap Semiconducting Polymers Based on Phenanthrothiophene-benzothiadiazole for Solar Cells and Transistors
			2014B1583	BL19B2	尾坂 格	

### Powder Metallurgy

37721	Yukiko Ozaki	62 (2019) 146-154	2017B1088	BL20XU	尾崎 由紀子	Four-Dimensional Observation of Ductile Fracture in Sintered Iron Using Synchrotron X-ray Laminography
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### Proceedings of SPIE

37846	Akio Hoshino	10397 (2017) 103970E	2016A1864	BL01B1	伊奈 稔哲	The Evaluation of the Hitomi (Astro-H)/SXS Spare Beryllium Window in 3.8-30 keV
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### Proceedings of the 11th International Conference on Zinc and Zinc Alloy Coated Steel Sheet, GALVATECH 2017

38120	Sho Katsura	(2017) A-5-4	2016B1595	BL20XU	桂 翔生	<i>In-Situ</i> Observation of the Crystallization and Growth Behavior of Fe <sub>2</sub> Al <sub>5</sub> Intermetallic Compound ("Top Dress") in the Molten Zinc Using X-ray Transmission Imaging Method
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### Proceedings of the 4th International Conference of Welding and Failure Analysis of Engineering Materials

37713	Daisuke Yamashita	(2018) W-3	2016A1092	BL20XU	柳楽 知也	<i>In-situ</i> Observation of Solidification Cracking during TIG Welding by X-ray Imaging
			2016B1083	BL20XU	柳楽 知也	
			2017B1117	BL20XU	柳楽 知也	
			2018A1110	BL20XU	柳楽 知也	
			2018A1111	BL20XU	柳楽 知也	
			2018B1132	BL20XU	柳楽 知也	
			2017A1110	BL20B2	柳楽 知也	
			2017B1116	BL20B2	柳楽 知也	

### Proceedings on Solidification and Gravity

37938	Hideyuki Yasuda	VII (2018) 75-81	2017A1336	BL20XU	安田 秀幸	Observation of Dendrite Evolution in Fe-C System by Using Time-Resolved X-ray Tomography
			2016A1454	BL20B2	安田 秀幸	
			2017B1520	BL28B2	安田 秀幸	

### Pure and Applied Chemistry

38087	Yuta Saito	(2019) Online published 23 Mar. 2019	2014B1220	BL13XU	Fons Paul	Chalcogenide van der Waals Superlattices: a Case Example of Interfacial Phase-Change Memory
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### Radiation Protection Dosimetry

37708	Takuya Kojima	183 (2019) 32-35	2015B3810	BL23SU	横谷 明徳	Novel Analytical Study for Reaction Intermediates in the Primary Radiation Interaction of DNA Using a Synchrotron Radiation-Induced Luminescence Spectroscopy
			2016A3850	BL23SU	横谷 明徳	
			2016B3851	BL23SU	横谷 明徳	
			2017A3851	BL23SU	横谷 明徳	

### Review of Scientific Instruments

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
37951	Yoshihisa Suzuki	90 (2019) 054101	2016B2727	BL38B1	鈴木 良尚	A Novel Handling-Free Method of Mounting Single Protein Crystals for Synchrotron Structure Analyses at Room Temperature

### Royal Society Open Science

38158	Inori Onishi	5 (2018) 172025	2014B1583	BL19B2	尾坂 格	Synthesis of Diketopyrrolopyrrole-based Polymers with Polydimethylsiloxane Side Chains and Their Application in Organic Field-Effect Transistors
			2014B1915	BL46XU	尾坂 格	

### Solid State Ionics

37921	Tomonari Takeuchi	320 (2018) 387-391	2015A7601	BL28XU	小久見 善八	Structure Analysis of Fe-Substituted Li <sub>2</sub> S-based Positive Electrode Materials for Li-S Batteries
			2016A7602	BL28XU	小久見 善八	
			2016B7606	BL28XU	松原 英一郎	
			2017A7606	BL28XU	松原 英一郎	

### Solid State Phenomena

37913	Dongdong Qu	273 (2018) 101-106	2010B1195	BL04B2	野北 和宏	Effect of Trace Elements on the Liquid Structure of Sn-Cu Alloys Investigated by High Energy X-ray Diffraction
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### Solvent Extraction Research and Development, Japan

37988	Tomoya Suzuki	26 (2019) 11-19	2017B3531	BL11XU	鈴木 智也	Mechanism of Palladium(II) Adsorption from Nitric Acid Solutions by a Styrene-Divinylbenzene Copolymer Functionalized with <i>N,N,N</i> -Trimethylglycine
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### Structural Chemistry

37930	Masahito Uchikoshi	30 (2019) 945-954	2008A1941	BL14B2	打越 雅仁	Determination of Structures of Cobalt(II)-Chloro Complexes in Hydrochloric Acid Solutions by X-ray Absorption Spectroscopy at 298 K
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### Structural Dynamics

37793	Hosung Ki	6 (2019) 024303	2017B8024	BL3	Ihee Hyotcherl	SVD-aided Non-orthogonal Decomposition (SANOD) Method to Exploit Prior Knowledge of Spectral Components in the Analysis of Time-Resolved Data
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### Structure

37878	Yumi Inoue	27 (2019) 956-976	2016A2544	BL26B1	今田 勝巳	Structural Insights into the Substrate Specificity Switch Mechanism of the Type III Protein Export Apparatus
			2017A2591	BL41XU	今田 勝巳	

### Superconductor Science and Technology

37803	Yojiro Oba	32 (2019) 055011	2016B1790	BL19B2	佐々木 宏和	Characterization of BaZrO <sub>3</sub> Nanocolumns in Zr-added (Gd, Y)Ba <sub>2</sub> Cu <sub>3</sub> O <sub>x</sub> Superconductor Tape by Anomalous Small-Angle X-ray Scattering
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### Sustainable Energy & Fuels

38191	Bart Vermang	(2019) Online published 14 Jun. 2019	2016B4601	BL15XU	松田 朝彦	Wide Band Gap Kesterite Absorbers for Thin Film Solar Cells: Potential and Challenges for Their Deployment in Tandem Devices
			2017A4604	BL15XU	松田 朝彦	

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

37686	Izumi Nakai	50 (2019) 261-269	2015B1986	BL20B2	上杉 健太郎	X-ray Transmission Imaging of Painting by Synchrotron Absorption Edge Radiography
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### 化学工学論文集 (Kagaku Kogaku Ronbunshu)

37949	Takeshi Ogata	43 (2017) 185-192	2016A3512	BL11XU	成田 弘一	Adsorption of Arsenic from Alkaline Solutions
			2016B3512	BL11XU	成田 弘一	

高分子論文集 (Japanese Journal of Polymer 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
37924	Yuki Higuchi	76 (219) 196-206	2017A7033	BL33XU	原田 雅史	Analysis of Crack Initiation Sites of Fuel Cell Catalyst Layers
			2017B7033	BL33XU	原田 雅史	
			2018A7033	BL33XU	原田 雅史	
			2018A7035	BL33XU	原田 雅史	

材料 (Journal of the Society of Materials Science, 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
37879	Kenji Suzuki	68 (2019) 312-317	2017A3737	BL22XU	鈴木 賢治	Stress Measurement of Coarse Grains Using Double Exposure Method
			2018A3653	BL14B1	城 鮎美	
			2018B3653	BL14B1	城 鮎美	
			2018B3684	BL14B1	鈴木 賢治	

錯体化学会誌 (Bulletin of Japan Society of Coordination 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
37994	Jian-Ren Shen	72 (2018) 3-14	2009A1295	BL41XU	沈 建仁	Mechanism of Light-Induced Water-Oxidation/Oxygen Evolution Catalyzed by Photosystem II in Photosynthesis
			2009B1971	BL41XU	沈 建仁	
			2010A1139	BL41XU	沈 建仁	
			2010B1249	BL41XU	沈 建仁	
			2010B1158	BL38B1	川上 恵典	
			2009A6916	BL41XU	神谷 信夫	
			2009B6916	BL41XU	神谷 信夫	
			2010B6916	BL41XU	神谷 信夫	
			2012A8011	BL3	吾郷 日出夫	
			2012B8040	BL3	吾郷 日出夫	
			2013A8047	BL3	吾郷 日出夫	
			2013B8052	BL3	吾郷 日出夫	
2014A8036	BL3	吾郷 日出夫				

作物研究 (Journal of Crop 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
38193	Naofumi Minabe	64 (2019) 37-42	2015B1816	BL20B2	稲村 達也	Grain Size and Shattering Habit of Unhulled Rice in the Rice Seed Aggregate Excavated from the Remains in the Yayoi Period. - Case of Karako-Kagi Remains and Daifuku Remains -
			2016B1797	BL20B2	稲村 達也	

チタン (Titanium 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
38077	Tokujiro Yamamoto	66 (2018) 36-42	2017A1369	BL13XU	山本 篤史郎	Analysis of Local Structure Near $\beta$ -stabilizing Elements in Ti-Nb and Ti-V Binary Alloys by Using X-ray Fluorescence Holography
			2017B1384	BL13XU	山本 篤史郎	
			2018A1190	BL13XU	山本 篤史郎	
			2015B1081	BL13XU	山本 篤史郎	

鉄と鋼 (Tetsu to Hagane)

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
37937	Tomohiro Nishimura	105 (2019) 290-298	2018A1380	BL20XU	安田 秀幸	Time-resolved and <i>In-situ</i> Observation of $\delta$ - $\gamma$ Transformation during Unidirectional Solidification in Fe-C Alloys
			2017A1337	BL20XU	安田 秀幸	
			2016B1458	BL20XU	安田 秀幸	
			2017B1466	BL20B2	杉山 明	

日本ゴム協会誌 (Journal of the Society of Rubber Industry, 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
37956	Masatoshi Tosaka	92 (2019) 171-173	2018A1741	BL46XU	登阪 雅聡	Multiple Structural Changes Found around Crack Tip of Carbon Black-filled Natural Rubber Vulcanizate

日本セラミックス協会学術論文誌 (Journal of the Ceramic 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
37849	Isuru Withanage	126 (2018) 784-788	2017B1898	BL14B2	中島 靖	Hydrothermal Doping of Ag into Three Types of Potassium Niobates

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
38089	Shuichi Ogawa	62 (2019) 350-355	2017A3836	BL23SU	小川 修一	Simultaneous Observation of Si Oxidation Rate and Oxidation-induced Strain Using XPS
			2017B3836	BL23SU	小川 修一	
			2018A3801	BL23SU	吉越 章隆	
			2018B3801	BL23SU	吉越 章隆	
			2018A3836	BL23SU	小川 修一	
			2018B3836	BL23SU	小川 修一	

分析化学 (Bunseki Kagaku)

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
37885	Satoshi Ajito	68 (2019) 43-49	2017A1435	BL40B2	平井 光博	Recovery Effect of Trehalose on Acid Denaturation/Aggregation of Proteins

粉体工学会誌 (Journal of the Society of Powder Technology, Japan)

37814	Tatsuya Kato	56 (2019) 174-180	2018A1798	BL14B2	加藤 達也	Evaluation of Acids onto the Light Rare Earth Elements Dissolution from Weathered Residual Rare Earth Ore Activated by Mechanochemical Treatment by Grinding
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冷凍 (Refrigeration)

38020	Mariko Matsumoto	94 (2019) 9-12	2015A1963	BL19B2	上原 康	Household Refrigerator Using Supercooling
			2015A5431	BL16B2	上原 康	
			2015B5431	BL16B2	上原 康	

博士論文 (大阪大学)

37783	Takuma Itai	(2017)	2013B1036	BL02B1	吉成 信人	Coordination Behavior of Penicillaminato Digold (I) Metalloligands with Sterically Constrained Diphosphines
			2014B1391	BL02B1	今野 巧	
			2014B1021	BL02B1	今野 巧	
			2016A1015	BL02B1	今野 巧	
			2016A1485	BL02B1	小島 達弘	
2016B1007	BL02B1	今野 巧				
37785	Kosuke Igawa	(2017)	2014B1022	BL19B2	今野 巧	Development of Functional Multinuclear Gold (I) Complexes with Bis(diphenylphosphine) Ligands
37792	Sireenart Surinwong	(2016)	2015B1001	BL02B1	今野 巧	Construction of Metallosupramolecular Frameworks Based on an Anionic Pentanuclear Complex with D-Penicillamate
			2015A1520	BL02B2	吉成 信人	
			2015A1506	BL02B2	今野 巧	
			2014B1021	BL02B1	今野 巧	
			2016A1015	BL02B1	今野 巧	
2016A1432	BL02B1	吉成 信人				
2016A1073	BL02B2	吉成 信人				
37861	Harushige Nakao	(2019)	2017B1711	BL10XU	中尾 敏臣	High-Temperature Superconductivity of H <sub>3</sub> S Synthesized from Elemental Sulfur and Hydrogen

博士論文 (Charles University of Prague)

37811	Martin Dubau	(2016)	2016A4601	BL15XU	森 利之	Preparation and Characterization of Porous Cerium Oxide/Carbon Bilayers on Silicon Substrates
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博士論文 (University of Gothenburg)

37996	Petra Edlund	(2018)	2016B8005	BL3	Schmidt Marius	Structural Features of Bacteriophytochromes. Photoactivated Proteins Studied by Serial Femtosecond Crystallography
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博士論文 (岡山大学)

37703	Kosuke Fujiwara	(2019)	2015B3511	BL11XU	池田 直	Determination of Charge Order Structure on YbFe <sub>2</sub> O <sub>4</sub> and Its New Phase with Short Range Spin Order
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博士論文 (金沢大学)

38103	Takuya Imai	(2019) 207pp	2017A1708	BL20B2	今井 拓哉	New Evidence on the Early Cretaceous Fossil Avifauna in the Eastern Margin of Asia from the Kitadani Formation of the Tetori Group
			2017B1756	BL20B2	今井 拓哉	



博士論文 (関西学院大学)

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
37823	Shogo Kusano	(2019)	2017A3556	BL11XU	石井 賢司	Oxygen Reduction Reaction Studied by in-situ Synchrotron Radiation X-ray Spectroscopies
			2012B3506	BL11XU	松村 大樹	
			2013A3506	BL11XU	松村 大樹	
			2014A3506	BL11XU	松村 大樹	
			2014B3506	BL11XU	松村 大樹	
			2015B3506	BL11XU	松村 大樹	
			2016A3556	BL11XU	松村 大樹	
			2016B3506	BL11XU	松村 大樹	
			2017B3508	BL11XU	松村 大樹	
			2018A3508	BL11XU	松村 大樹	
			2018B3508	BL11XU	松村 大樹	
			2012B3609	BL14B1	松村 大樹	
			2013A3610	BL14B1	松村 大樹	
			2014A3609	BL14B1	松村 大樹	
			2014B3609	BL14B1	松村 大樹	
			2015A3609	BL14B1	松村 大樹	
			2015B3609	BL14B1	松村 大樹	
2016A3609	BL14B1	松村 大樹				
2016B3609	BL14B1	松村 大樹				
2017A3609	BL14B1	松村 大樹				
2017B3609	BL14B1	松村 大樹				

博士論文 (京都大学)

37717	Masashi Hattori	(2018)	2015B1013	BL27SU	小久見 善八	Elucidation of Anode Reaction of Magnesium Rechargeable Batteries by operando Soft X-ray Absorption Spectroscopy
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博士論文 (慶應義塾大学)

37995	Amane Kobayashi	(2018)	2012A8022	BL3	山本 雅貴	Development of Measurement Techniques in Coherent X-ray Diffraction Imaging Utilizing XFEL and Its Application for Imaging Biological Cells
			2012B8037	BL3	中迫 雅由	
			2013A8043	BL3	中迫 雅由	
			2013B8049	BL3	中迫 雅由	
			2014A8033	BL3	中迫 雅由	
			2014B8052	BL3	中迫 雅由	
			2015A8051	BL3	中迫 雅由	
			2015B8049	BL3	中迫 雅由	
			2016A8048	BL3	中迫 雅由	
			2016B8064	BL3	中迫 雅由	
2017A8015	BL3	中迫 雅由				

博士論文 (筑波大学)

37832	Ryosuke Maki	(2017)	2016A1782	BL19B2	牧 涼介	Structural Analysis and Electrical Properties of Synthetic Murataite Series
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博士論文 (東京大学)

37778	Yuusuke Watanabe	(2017)	2016A1623	BL01B1	渡辺 勇輔	Distribution Behaviors of Molybdenum and Tungsten in Marine Sediment-Water System under Various Redox Conditions
			2015A0118	BL37XU	高橋 嘉夫	

博士論文 (東京工業大学)

37955	Kazuhiro Hikima	(2019) 1-225	2012B1286	BL13XU	菅野 了次	Reaction Mechanism of the Li-Rich Layered Rock Salt-Type Oxide, Li <sub>2</sub> MnO <sub>3</sub>
			2014B3623	BL14B1	菅野 了次	
			2015A3623	BL14B1	菅野 了次	
			2017B3635	BL14B1	菅野 了次	

博士論文 (東北大学)

38187	Hiromasa Yasumura	(2019)	2014B1512	BL25SU	鳴海 康雄	Development of Pulsed High Magnetic Field X-ray Magnetic Circular Dichroism for Low Temperature Experiments and Its Application for Magnetic-Field-Induced Valence Transition
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博士論文 (広島大学)

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
37820	Katsuya Ichihashi	(2019)	2014A1645	BL02B2	河口 彰吾	Physical Properties of [Ni(dmit) <sub>2</sub> ] Salts Controlled by Utilizing Ion Channels
			2014B2049	BL02B2	河口 彰吾	

博士論文 (広島工業大学)

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
38076	Yoshihiro Ebisu	(2019)	2016A1618	BL01B1	戎 佳宏	Study on the Local Structure of Lanthanum-Doped Strontium Titanate by Means of X-ray Fluorescence Holography
			2013B1368	BL09XU	尾崎 徹	

博士論文 (北海道大学)

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
38014	Fumiyooshi Yoshinaka	(2018)	2016B1701	BL20XU	吉中 奎貴	Experimental Study of Very High Cycle Fatigue in Titanium Alloy Using Synchrotron Radiation CT
			2017B1680	BL20XU	吉中 奎貴	
			2014A1020	BL20XU	中村 孝	
			2014A1459	BL20XU	中村 孝	
			2017B1421	BL20XU	中村 孝	

博士論文 (山口大学)

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
37699	Eiji Kobayashi	(2018)	2015B3885	BL23SU	山本 哲也	Silicon Heterojunction Solar Cells with High Fill Factors

課題以外の成果として登録された論文

Chemical Communications

研究成果番号	主著者	雑誌情報		ビームライン	タイトル
37733	Shotaro Yoshimaru	53 (2017) 6720-6723	理研	BL44B2	Modulation of the Catalytic Activity of Pt Nanoparticles through Charge-Transfer Interactions with Metal-Organic Frameworks
37748	Jiho Shin	50 (2014) 1956-1958	理研	BL44B2	Framework Al Zoning in Zeolite ECR-1
37749	J. C. Ribierre	51 (2015) 5836-5839	理研	BL44B2	Ambipolar Organic Field-Effect Transistors Based on Solution-Processed Single Crystal Microwires of a Quinoidal Oligothiophene Derivative

Chemistry - A European Journal

37730	Go Hamasaka	23 (2017) 1291-1298	理研	BL44B2	Detailed Structural Analysis of a Self-Assembled Vesicular Amphiphilic NCN-Pincer Palladium Complex by Using Wide-Angle X-ray Scattering and Molecular Dynamics Calculations
37866	Amalia Rapakousiou	23 (2017) 8443-8449	理研	BL44B2	Liquid/Liquid Interfacial Synthesis of a Click Nanosheet
37868	Taro Nagano	24 (2018) 14075-14078	理研	BL44B2	Functionalization of Azapentabenzocorannulenes by Fivefold C-H Borylation and Cross-Coupling Arylation : Application to Columnar Liquid-Crystalline Materials

Chemistry of Materials

37734	Steinar Birgisson	30 (2018) 6636-6645	理研	BL44B2	Exploration of Phase Compositions, Crystal Structures, and Electrochemical Properties of Na <sub>x</sub> Fe <sub>1-x</sub> Mn <sub>1-x</sub> O <sub>2</sub> Sodium Ion Battery Materials
37743	Kirsten M. Ø. Jensen	25 (2013) 2282-2290	理研	BL44B2	Defects in Hydrothermally Synthesized LiFePO <sub>4</sub> and LiFe <sub>1-x</sub> Mn <sub>x</sub> PO <sub>4</sub> Cathode Materials

Journal of Materials Chemistry A

37736	Lasse Rabøl Jørgensen	6 (2018) 17171-17176	理研	BL44B2	Thermal Stability of Mg <sub>3</sub> Sb <sub>1.475</sub> Bi <sub>0.475</sub> Te <sub>0.05</sub> High Performance n-Type Thermoelectric Investigated through Powder X-ray Diffraction and Pair Distribution Function Analysis
37873	Weikai Xiang	6 (2018) 23366-23377	理研	BL44B2	Palladium Single Atoms Supported by Interwoven Carbon Nanotube and Manganese Oxide Nanowire Networks for Enhanced Electrocatalysis

### Journal of Synchrotron Radiation

研究成果番号	主著者	雑誌情報		ビームライン	タイトル
37891	Kenichi Kato	26 (2019) 762-773	理研	BL44B2	A Statistical Approach to Correct X-ray Response Non-Uniformity in Microstrip Detectors for High-Accuracy and High-Resolution Total-Scattering Measurements
37978	Shigeki Owada	26 (2019) 887-890	装置&技術	BL1	Arrival Timing Diagnostics at a Soft X-ray Free-Electron Laser Beamline of SACLA BL1

### Journal of the American Chemical Society

37739	Olga Lopez-Acevedo	132 (2010) 8210-8218	理研	BL44B2	Chirality and Electronic Structure of the Thiolate-Protected Au <sub>38</sub>
38013	Alex Rojas	135 (2013) 11975-11984	理研	BL44B2	Synthesis, Structure, and Optical Activity of HPM-1, a Pure Silica Chiral Zeolite

### Nature Communications

37876	Jiawei Zhang	9 (2018) 4716	理研	BL44B2	Chemical Bonding Origin of the Unexpected Isotropic Physical Properties in Thermoelectric Mg <sub>3</sub> Sb <sub>2</sub> and Related Materials
38069	Yungok Ihm	10 (2019) 2411	装置&技術	BL3	Direct Observation of Picosecond Melting and Disintegration of Metallic Nanoparticles

### Proceedings of the 29th Linear Accelerator Conference

37983	H. Maesaka	(2018) 988-993	加速器		Pulse-by-Pulse Beam Parameter Switching of High-Quality Beams for Multi-Beamline Operation at SACLA
37984	Yuji Otake	(2018) 889-892	加速器		90 kW Solid-State RF Amplifier with a TE011-Mode Cavity Power-Combiner at 476 MHz

### Proceedings of the International Conference on Accelerator and Large Experimental Control Systems

37986	Kensuke Okada	(2018) 201-205	制御		Database Scheme for Unified Operation of SACLA/SPRING-8
			制御		
37987	Miho Ishii	(2018) 751-754	制御		Next Generation Control System Using the EtherCAT Technology
			制御		

### X-ray Free Electron Lasers

37992	Sebastien Boutet	(2018) 1-21	XFEL		X-ray Free Electron Lasers and Their Applications
37993	Raymond Sierra	(2018) 109-184	装置&技術		Sample Delivery Techniques for Serial Crystallography

### Acta Crystallographica Section A

37761	S. Christensen	71 (2015) 9-19	理研	BL44B2	Nuclear-Weighted X-ray Maximum Entropy Method - NXMEM
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### AIP Conference Proceedings

38072	Tetsuya Ishikawa	2054 (2019) 020001	装置&技術		Synchrotron Radiation Research: Retrospective View and Prospective Considerations
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### Angewandte Chemie International Edition

37872	Keisuke Wada	57 (2018) 8886-8890	理研	BL44B2	Multielectron-Transfer-Based Rechargeable Energy Storage of Two-Dimensional Coordination Frameworks with Non-Innocent Ligands
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### Biophysical Reviews

37989	Eiichi Mizohata	10 (2018) 209-218	装置&技術		Serial Femtosecond Crystallography at the SACLA: Breakthrough to Dynamic Structural Biology
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### Chemistry Letters

37732	Masaaki Sadakiyo	46 (2017) 1004-1006	理研	BL44B2	Introduction of an Amino Group on Zeolitic Imidazolate Framework through a Ligand-Exchange Reaction
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### Communications Chemistry

37882	Makoto Hirose	2 (2019) 50	理研	BL29XU	Oxygen-Diffusion-Driven Oxidation Behavior and Tracking Areas Visualized by X-ray Spectro-Ptychography with Unsupervised Learning
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### CrystEngComm

研究成果番号	主著者	雑誌情報		ビームライン	タイトル
37741	Han-Hui Xie	14 (2012) 4467-4471	理研	BL44B2	Interrelation between Atomic Switching Disorder and Thermoelectric Properties of ZrNiSn Half-Heusler Compounds

### Current Opinion in Structural Biology

37991	Andrii Ishchenko	51 (2018) 44-52	装置&技術		Structural Biology of G Protein-Coupled Receptors: New Opportunities from XFELs and cryoEM
			XFEL		

### Dalton Transactions

37744	Nina Lock	42 (2013) 9555-9564	理研	BL44B2	Copper Doped TiO <sub>2</sub> Nanoparticles Characterized by X-ray Absorption Spectroscopy, Total Scattering, and Powder Diffraction - a Benchmark Structure-Property Study
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### Electochemistry

37750	Eiji Nishibori	83 (2015) 840-842	理研	BL44B2	Bonding Nature of LiCoO <sub>2</sub> by Topological Analysis of Electron Density from X-ray Diffraction
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### Inorganic Chemistry

37935	Espen Eikeland	53 (2014) 10178-10188	理研	BL44B2	Alkali Metal Ion Templated Transition Metal Formate Framework Materials: Synthesis, Crystal Structures, Ion Migration, and Magnetism
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### Journal of Electron Spectroscopy and Related Phenomena

38071	Hikaru Kitamura	232 (2019) 45-52	装置&技術		Thermalization Dynamics of Primary and Secondary Electrons in Metals
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### Journal of Electronic Materials

37742	T. Dasgupta	42 (2013) 1988-1991	理研	BL44B2	Thermal Instability of $\beta$ -Zn <sub>4</sub> Sb <sub>3</sub> : Insights from Transport and Structural Measurements
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### Journal of Materials Science

37747	Martin Søndergaard	48 (2013) 2002-2008	理研	BL44B2	Thermal Stability and Thermoelectric Properties of Mg <sub>2</sub> Si <sub>0.4</sub> Sn <sub>0.6</sub> and Mg <sub>2</sub> Si <sub>0.6</sub> Sn <sub>0.4</sub>
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### The Journal of Physical Chemistry B

37865	Vikas S. Padalkar	121 (2017) 10407-10416	理研	BL44B2	Optical and Structural Properties of ESIPT Inspired HBT-Fluorene Molecular Aggregates and Liquid Crystals
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### The Journal of Physical Chemistry C

37735	Lasse R. Jørgensen	122 (2018) 5317-5324	理研	BL44B2	Is SrZn <sub>2</sub> Sb <sub>2</sub> a Realistic Candidate for High-Temperature Thermoelectric Applications?
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### Journal of the Electrochemical Society

37740	Andreas Laumann	159 (2012) A166-A171	理研	BL44B2	Rapid Green Continuous Flow Supercritical Synthesis of High Performance Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> Nanocrystals for Li Ion Battery Applications
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### Macromolecules

37867	Tsuneaki Sakurai	50 (2017) 9265-9275	理研	BL44B2	Donor/Acceptor Segregated $\pi$ -Stacking Arrays by Use of Shish-kebab-Type Polymeric Backbones: Highly Conductive Discotic Blends of Phthalocyaninatopolysiloxanes and Perylenediimides
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### Materials Chemistry Frontiers

37871	Tsuneaki Sakurai	2 (2018) 718-729	理研	BL44B2	Electron Transporting Foldable Alternating Copolymers of Perylenediimide and Flexible Macromolecular Chains
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### Nonlinear Dynamics and Collective Effects in Particle Beam Physics

38073	Toru Hara	(2019) 165-168	装置&技術	BL2	Suppression of CSR Effects at the Dogleg Beam Transport of SACLA
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### Optics Express

研究成果番号	主著者	雑誌情報		ビームライン	タイトル
38070	Jumpei Yamada	37 (2019) 3429-3438	光学系	BL29XU	Compact Reflective Imaging Optics in Hard X-ray Region Based on Concave and Convex Mirrors
			光学系		

### Physical Chemistry Chemical Physics

37877	Lirong Song	21 (2019) 4295-4305	理研	BL44B2	Thermal Stability of p-Type Ag-Doped Mg <sub>3</sub> Sb <sub>2</sub> Thermoelectric Materials Investigated by Powder X-ray Diffraction
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### Physical Review Letters

37981	Teruhiko Bizen	121 (2018) 124801	加速器		Enhancing the Radiation Resistance of Undulator Permanent Magnets by Tilting the Easy Axis of Magnetization
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### Proceedings of the 38th International Free Electron Laser Conference

37985	Toru Hara	(2018) 216-218	光学系	BL3	Suppression of the CSR Effects at a Dogleg Beam Transport Using DBA Lattice
			光学系	BL2	

### Proceedings of the 9th International Particle Accelerator Conference

37826	Toru Hara	(2018) 1740-1744	XFEL		Pulse-by-Pulse Multi-XFEL Beamline Operation with Ultra-Short Laser Pulses
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### Proceedings of SPIE

37979	Sanghoon Song	11038 (2019) 1103810	加速器		Pulse Power Measurements and Attenuator Characterization of the Hard X-ray Beamline at the Linac Coherent Light Source
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### Review of Scientific Instruments

37919	Kenji Fukami	90 (2019) 054703	加速器		Performance Verification of a Precise Vibrating-Wire Magnet Alignment Technique for Next-Generation Light Sources
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### Science

37875	Hiroshi Yamagishi	361 (2018) 1242-1246	理研	BL44B2	Self-Assembly of Lattices with High Structural Complexity from a Geometrically Simple Molecule
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### Synchrotron Radiation News

37982	Haruhiko Ohashi	31 (2018) 33-37	光学系	BL39XU	Stabilization of X-ray Beamline Optics towards Tens of Nanoradian Levels at SPring-8/SACLA
			光学系	BL41XU	
			光学系	BL3	
			光学系	BL2	
			光学系	BL1	
			光学系	BL32XU	

### Vacuum

37903	Andrey K. Orlov	150 (2018) 186-195	理研	BL44B2	Synchrotron Analysis of Structure Transformations in V and V/Ag Thin Films
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