1Shift	=8Hours
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Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non proprietary(Np)
2022A1067	Construction of composition-temperature phase diagrams of BiMn7O12- AMn7O12 (A = Ca, Sr).	Alexei Belik	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL02B2	Np
2022A1068	Tuning of Plasmonic Features by Controlling Crystal Structure in Plasmonic Ordered Nanoalloys	Ryota Sato	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
2022A1069	Unveiling the molecular mechanisms underlying muscle dysfunction in type 2 diabetes	Julien Ochala	University of Copenhagen	Denmark	Foreign	Life Science	12	BL40XU	Np
2022A1072	Operando x-ray magnetic circular dichroism spectroscopy on the chiral antiferromagnet Mn3Sn device.	Shinji Miwa	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	12	BL25SU	Np
2022A1073	Stability of Periodic and Aperiodic Structures formed by Pentablock Quarterpolymer of the AB1CB2D Type	Yushu Matsushita	Toyota Physical and Chemical Research Institute	Japan			5.875	BL40XU	Np
2022A1074	Structure of MgO-SiO2 melt revealed by high-energy X-ray diffraction	Shinji Kohara	National Institute for Materials Science	Japan			6	BL04B2	Np
2022A1075	Size effect of platinum nanocluster for oxygen reduction reaction: Elucidation of activation mechanism by in situ XAFS measurement	Tokuhisa Kawawaki	Tokyo University of Science	Japan	Educational Organization	Materials Science and Engineering	6	BL01B1	Np
2022A1076	Analysis of local structure, the elucidation of formation mechanism, and evaluation of durability of high entropy alloy nanoparticles using in-site XAFS/XRD	Kohsuke Mori	Osaka University	Japan	Educational Organization	Materials Science and Engineering	6	BL01B1	Np
2022A1077	Improved magnetic nano-particle guidance for enhanced genetic therapy effectiveness in living airways (Resubmission of 2021A proposal)	Martin Donnelley	University of Adelaide / Women's and Children's Hospital	Australia	Foreign	Medical Applications	12	BL20XU	Np
2022A1079	In situ HETXS observation of non-equilibrium vibration mode of cations in acid catalyst induced by Microwave irradiation	Fuminao Kishimoto	The University of Tokyo	Japan			18	BL04B2	Np
2022A1080	Investigation of thermal conductivity and chemical state of Power Module Substrate	Takeshi Shimada	Hitachi Metals, Ltd.	Japan	Industry	Materials Science and Engineering	6	BL25SU	Np
2022A1081	Polar-nonpolar phase transition of layered oxychloride photocatalysts	Daichi Kato	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
2022A1082	In situ XAFS observation of non-equilibrium vibration mode of cations in acid catalyst induced by Microwave irradiation	Fuminao Kishimoto	The University of Tokyo	Japan	Educational Organization	Chemical Science	11.375	BL01B1	Np
2022A1083	Molecular structure and functionality of water-soluble polysaccharide derivatives having both LCST and UCST phase separation behavior in aqueous solution	Ken Terao	Osaka University	Japan	Educational Organization	Chemical Science	6	BL40B2	Np
2022A1084	Molecular conformation of hyperbranched polysaccharide derivatives consisting of rigid part chains in solution	Ken Terao	Osaka University	Japan	Educational Organization	Chemical Science	3	BL40B2	Np
2022A1085	Local structural analysis for a new relaxor ferroelectric by x-ray total scattering measurements	Hiroshi Nakajima	Osaka Metropolitan University	Japan	Educational Organization	Materials Science and Engineering	6	BL04B2	Np
2022A1086	Investigation of structural phase diagram of high-entropy-alloy-type layered superconductors under high pressures	Yoshikazu Mizuguchi	Tokyo Metropolitan University	Japan	Educational Organization	Materials Science and Engineering	6	BL10XU	Np
2022A1090	Direct observation of ion distribution in electric double layer by means of operando X-ray nanospectroscopy	Shimpei Ono	Central Research Institute of Electric Power Industry	Japan			12	BL17SU	Np
2022A1091	Investigations on the local structural changes in the polymerization of liquid sulfur	Yoshifumi Sakaguchi	Comprehensive Research Organization for Science and Society	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL04B2	Np
2022A1092	Development of Huge Molecular Cages based on Collaborative Metal Coordination	Yuya Domoto	The University of Tokyo	Japan	Educational Organization	Chemical Science	7	BL26B1	Np
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Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non proprietary(Np)
2022A1093	Creation of light-responsive porous frameworks based on dihydropyrene and dihydrobenzopyrene derivatives	Ichiro Hisaki	Osaka University	Japan	Educational Organization	Chemical Science	9	BL40XU	Np
2022A1095	Structure Analysis of Dual Temperature-Responsive Polymer Nanoparticles Using Variable-temperature SAXS technique	Tomoki Nishimura	Shinshu University	Japan	Educational Organization	Chemical Science	6	BL40B2	Np
2022A1096	Elucidation of novel ferrite-austenite solidification mode of high Mn alloys during arc welding	Tomoya Nagira	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	8.875	BL20XU	Np
2022A1097	Temporal structure of a valence-fluctuation material due to photo-excitation	Shin-ichi Kimura	Osaka University	Japan	Educational Organization	Materials Science and Engineering	8.875	BL19LXU	Np
2022A1098	Local strain and orbital degeneracy lifted state in pyrochlore lattice systems containing 4d and 5d elements	NAOYUKI KATAYAMA	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	12	BL04B2	Np
2022A1099	Study for the transdermal absorption properties of GE/BG formulation.	Hiromitsu Nakazawa	Kwansei Gakuin University	Japan	Educational Organization	Life Science	3	BL40B2	Np
2022A1100	Real space mapping of microscope Far-IR spectroscopy in molecular organic materials with strongly correlated pi-electrons under randomness.	Takahiko Sasaki	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	12	BL43IR	Np
2022A1101	Study on in-situ measurement of non-steady thermal stresses	Kenji Suzuki	Niigata University	Japan	Educational Organization	Industrial Applications	9	BL02B1	Np
2022A1102	XAFS Imaging of Active Site - Substrate Dynamics in NH3-SCR Catalysts	Akira Oda	Nagoya University	Japan	Educational Organization	Chemical Science	9	BL01B1	Np
2022A1103	X-ray powder diffraction structural analyses of polymorphic imidoylamidinato Pt(II) complexes under high pressure and their phase transition	Keisuke Umakoshi	Nagasaki University	Japan	Educational Organization	Chemical Science	6	BL10XU	Np
2022A1105	Structural analysis of liquid-crystalline supramolecular architectures and the humid dependence characterized by polarized infrared micro-spectrometry	Shinichiro Kawano	Nagoya University	Japan	Educational Organization	Chemical Science	6	BL43IR	Np
2022A1106	Structural Analysis of self-assemblies composed of an amphiphilic copolymer and the kinetics study of their formation (2)	Kazuo Sakurai	The University of Kitakyushu	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
2022A1108	Time and space resolved analysis of polymerization induced phase separation at the vicinity of vitrification	Yasuhito Suzuki	Osaka Metropolitan University	Japan	Educational Organization	Chemical Science	3	BL43IR	Np
2022A1109	Structural analysis of the 2Fe-2S cluster in Ferredoxin using X-ray fluorescence holography	Hideaki Tanaka	Osaka University	Japan	Educational Organization	Life Science	18	BL39XU	Np
2022A1110	Amorphization kinetics of high-pressure minerals in shocked meteorites	Masayuki Nishi	Osaka University	Japan	Educational Organization	Earth and Planetary Science	6	BL02B2	Np
2022A1111	Precise Crystal Structural Analysis of Hybrid Polyoxometalates Highly Difficult Catalytic Reactions	Kosuke Suzuki	The University of Tokyo	Japan	Educational Organization	Chemical Science	3	BL02B1	Np
2022A1112	Local Structural Analysis of Dilute Mg-Zn-Y Alloy using X-ray Fluorescence Holography: Analysis of Solute Clusters with Local Defects	Daisuke Egusa	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	9	BL39XU	Np
2022A1113	Theoretical Construction of the Prevention of Hydrogen Embrittlement in Aluminum via Particle Dispersion	Kazuyuki Shimizu	Iwate University	Japan	Educational Organization	Materials Science and Engineering	9	BL20XU	Np
2022A1114	Rapid X-Ray Crystallographic Analysis of OLED Materials by High-Brightness Microbeam	Takuji Hatakeyama	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL40XU	Np
2022A1115	In-situ synchrotron X-ray CT observation of interface delamination and crack propagation in CMC during tensile test	Gaku Okuma	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL20XU	Np
2022A1116	Structure of iron-rich depolymerized silicate melts at high temperature conditions	Yoshio Kono	Ehime University	Japan	Educational Organization	Earth and Planetary Science	9	BL04B2	Np
		Number Performed Proposal Title 0022A1093 Creation of light-responsive porous frameworks based on dihydropyrene and dihydrobenzopyrene derivatives 0022A1095 Structure Analysis of Dual Temperature SAXS technique 0022A1096 Elucidation of novel ferrite-austenite solidification mode of high Mn alloys during arc welding 0022A1097 Temporal structure of a valence-fluctuation material due to photo-excitation 0022A1098 Local strain and orbital degeneracy lifted state in pyrochlore lattice systems containing 4d and 5d elements 0022A1099 Study for the transdermal absorption properties of GE/BG formulation. 0022A1100 Real space mapping of microscope Far-IR spectroscopy in molecular organic materials with strongly correlated pi-electrons under randomness. 0022A1101 Study on in-situ measurement of non-steady thermal stresses 0022A1102 XAFS Imaging of Active Site - Substrate Dynamics in NH3-SCR Catalysts 0022A1103 X-ray powder diffraction structural analyses of polymorphic imidoylamidinato Pt(II) complexes under high pressure and their phase transition 0022A1103 Structural Analysis of liquid-crystalline supramolecular architectures and the humid dependence characterized by polarized infrared micro-spectrometry 0022A1105 Structural Analysis of the 2Fe-2S cluster in Ferredoxin using X-ray fluorescence holography 0022A1108	Number Performed Proposal Title Project Leader 0022A1093 Creation of light-responsive porous frameworks based on dihydropyrene and dihydrobenzopyrene derivatives. 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Kenji Suzuki 0022A1101 Study on in-situ measurement of non-sleady thermal stresses Kenji Suzuki 0022A1102 XAFS Imaging of Active Site - Substrate Dynamics in NH3-SCR Catalysts Akira Oda 0022A1103 Kray powder diffraction structural analyses of polymorphic inidoylamidinato P(II) complexes under high pressure and their phase transition Shinichiro Kawano	Number Periodic of light-response proposal inte Project Leader Attiliation 02022A1083 Creation of light-response frameworks based on dihydropyreen an dihydropyreen and dihydropyreen denvatives Ichiro Hisaki Osaka University 0202A1085 Structure Analysis of Dual Temperature-Responsely Polymer Nanoparticles Tomoya Nagira National Institute for Materials 0202A1086 Elucidation of novel tente-austenite solidification mode of high Mn aloys Tomoya Nagira National Institute for Materials 0202A1087 Temporal structure of a valence-fluctuation material due to photo-excitation Shin-bit Kimura Osaka University 0202A1089 Local strain and orbital degeneracy lifted state in pyrochiore lattice systems NAOYUKI Nagoya University 0202A1089 Study for the transformal absorption properises of GE/BG formulation. 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Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non proprietary(Np)
2022A1117	Development of Metal Phosphide Nanoalloy Catalysts for the Highly Selective Hydrogenolysis of Cellulose to Sorbitol and Investigation of Their Structure- Activity Relationship	Takato Mitsudome	Osaka University	Japan	Educational Organization	Chemical Science	8	BL01B1	Np
2022A1120	Interface band dispersion of insulator/ferromagnet structures probed by magnetic circular dichroism in soft X-ray angle-resolved photoemission	Shigenori Ueda	National Institute for Materials Science	Japan			12	BL25SU	Np
2022A1123	The structural characterization of a cell penetrating peptide modified bicell and its penetration mechanism of the stratum corneum	Mina Sakuragi	Sojo University	Japan	Educational Organization	Chemical Science	6	BL40B2	Np
2022A1124	Temperature and X-ray polarization dependent hard X-ray photoemission of half-metals	Shigenori Ueda	National Institute for Materials Science	Japan			6	BL09XU	Np
2022A1126	Experimental investigation of possible existence of amorphous-amorphous transition in SiO2 glass at high pressures	Yoshio Kono	Ehime University	Japan			12	BL37XU	Np
2022A1127	Precious crystal structure analysis of subnanosized group 10 and 11 metal cluster molecules	Yusuke Sunada	The University of Tokyo	Japan	Educational Organization	Chemical Science	5.875	BL02B1	Np
2022A1131	Three-dimensional analysis of mechanism of immune tolerance by regenerative associate cell transplantation	Ryuta Mizutani	Tokai University	Japan	Educational Organization	Life Science	15	BL20XU	Np
2022A1132	Development of dynamic X-ray elastographic tomography using compressed sensing	Wataru Yashiro	Tohoku University	Japan			9	BL28B2	Np
2022A1133	Investigation of real time local structure with atomic level as a function of heat treatment time on Bi-based piezoelectrics.	Sangwook Kim	Hiroshima University	Japan			6	BL02B2	Np
2022A1134	Structural analyses of small crystals of double decker-type iron porphyrinoid catalysts that convert hardly decomposable polymers into chemical resources	Yasuyuki Yamada	Nagoya University	Japan	Educational Organization	Chemical Science	6	BL02B1	Np
2022A1135	In situ observation of solid electrolyte/electrode interfaces using HAXPES	Takashi Tsuchiya	National Institute for Materials Science	Japan	National and Nonprofit Organization	Chemical Science	6	BL09XU	Np
2022A1136	Analysis of correlation between oriented polysaccharide films and water molecules	Go Matsuba	Yamagata University	Japan	Educational Organization	Chemical Science	9	BL43IR	Np
2022A1138	Study on the liquid crystal phase transition mechanism by time-resolved XRD measurement of triphenylene-azobenzene derivatives showing molecular conformational changes between rod-shaped and disk-shaped ones	Kingo Uchida	Ryukoku University	Japan	Educational Organization	Materials Science and Engineering	5.5	BL40B2	Np
2022A1139	The refractive index of the eye lens: species variations, effects of eye disease and development in culture conditions	Barbara Pierscionek	Anglia Ruskin University	UK	Foreign	Life Science	9	BL20B2	Np
2022A1141	Elucidation of crystalline polymorphism during sublimation and photoinduced phase transition phenomena of the photochromic diarylethene crystals	Kingo Uchida	Ryukoku University	Japan			6	BL40XU	Np
2022A1143	Study on phase states for understanding the mechanism of enhanced drug absorption in transdermal drug delivery using supramolecular assemblies or ionic liquids	Kaname Hashizaki	Nihon University	Japan			3	BL40B2	Np
2022A1144	Structural elucidation of one-dimensional water channel within a noncovalent porous crystal	Shinnosuke Horiuchi	The University of Tokyo	Japan	Educational Organization	Chemical Science	6	BL43IR	Np
2022A1145	Elucidation of the three-dimensional crystal structure and locally ordered structure of the novel layered oxyhydride EuVO2H by means of X-ray fluorescence holography	Hiroshi Takatsu	Kyoto University	Japan			12	BL47XU	Np
2022A1147	Elucidation of the mechanism of ferromagnetism and magnetic anisotropy of a new europium oxyhydride by means of XMCD measurements	Hiroshi Takatsu	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	11.25	BL25SU	Np
2022A1149	Study on the electronic structures of 3d-transition metal-doped AIN films for photoelectrode design	Saki Imada	Kyoto Institute of Technology	Japan			6	BL27SU	Np
	Number 2022A1117 2022A1120 2022A1123 2022A1124 2022A1126 2022A1127 2022A1131 2022A1132 2022A1133 2022A1134 2022A1135 2022A1136 2022A1138 2022A1139 2022A1141 2022A1143 2022A1143 2022A1141 2022A1143	Number Performed Proposition 2022A1117 Development of Metal Phosphide Nanoaloy Catalysts for the Highly Selective Activity Relationship 2022A1120 Interface band dispersion of insultator/ferromagnet structures probed by magnetic circular dichroism in soft X-ray angle-resolved photoemission 2022A1123 The structural characterization of a cell penetrating peptide modified bicell and its penetration mechanism of the stratum comeum 2022A1124 Temperature and X-ray polarization dependent hard X-ray photoemission of half-metals 2022A1126 Experimental investigation of possible existence of amorphous-amorphous transition in SiO2 glass at high pressures 2022A1127 Precious crystal structure analysis of subnanosized group 10 and 11 metal cluster molecules 2022A1131 Three-dimensional analysis of mechanism 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5/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non proprietary(Np)
62	2022A1150	Study on the electronic structures of 3d-transition metal-doped AIN films under visible light irradiation for photoelectrode design	Saki Imada	Kyoto Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	6	BL27SU	Np
63	2022A1151	Electronic/Local Structural Analysis of Rock-salt-type Li2MnO3 Positive Electrodes during Charge-Discharge Processes	Toyoki Okumura	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Chemical Science	3	BL01B1	Np
64	2022A1152	Structural Disordering Analysis of Rock-salt-type Li2MnO3 Positive Electrodes during Charge-Discharge Processes	Toyoki Okumura	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Chemical Science	3	BL04B2	Np
65	2022A1153	Inelastic x-ray scattering measurements for Ge-As-Se ternary amorphous mixtures focusing on the atomic dynamics at small angles	Masanori Inui	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	15	BL35XU	Np
66	2022A1157	Structural evaluation of cyclic compounds containing heavier main-group elements using infrared spectroscopy	Takako Muraoka	Gunma University	Japan	Educational Organization	Chemical Science	6	BL43IR	Np
67	2022A1158	Structure-function relationship on a novel thermoelectric semimetal (Ta1-xNbx)2PdSe6	Akitoshi Nakano	Nagoya University	Japan		Materials Science and Engineering	8.25	BL02B1	Np
68	2022A1160	Attempt to generate 80 GPa and 3000 K simultaneously using a muti-anvil press with high-precision guide blocks	Tomoo Katsura	University of Bayreuth	Germany	Foreign	Earth and Planetary Science	12	BL04B1	Np
69	2022A1161	Structural analysis of coordination polymers encapsulating metal complex catalysts in glassy and liquid states	Satoshi Horike	Kyoto University	Japan	Educational Organization	Chemical Science	9	BL04B2	Np
70	2022A1162	Mechanism of Luminous Change Depending on Incorporated Anion Species of Rare-Earth Doped Layered Double Hydroxide	Ryo Sasai	Shimane University	Japan	Educational Organization	Chemical Science	6	BL02B2	Np
71	2022A1163	Study on polymorphic growth mechanism, melting and re-organization process of polypropylene crystals	Ken Taguchi	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
72	2022A1164	Crystal Structure Determination of Novel Low-Crystalline Sulfide MOFs Synthesized based on Materials Informatics	Daisuke Tanaka	Kwansei Gakuin University	Japan	Educational Organization	Chemical Science	6	BL02B1	Np
73	2022A1165	Selective electrochemical CO2 reduction to methanol by Fe-modified covalent organic frameworks	Kazuhide Kamiya	Osaka University	Japan	Educational Organization	Chemical Science	6	BL01B1	Np
74	2022A1166	Structural phase transition in superconducting spinel compound CuRh2Se4 under low pressure	NAOYUKI KATAYAMA	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	6	BL10XU	Np
75	2022A1167	Temperature Dependence of Dimerization Fluctuations and Structural Parameters in Three Tellurides with Three-Centered Two-Electron Bonds	NAOYUKI KATAYAMA	Nagoya University	Japan		Materials Science and Engineering	3	BL02B2	Np
76	2022A1169	Local structural analysis of mesocrystal photocatalysts	Takashi Tachikawa	Kobe University	Japan		Materials Science and Engineering	6	BL01B1	Np
77	2022A1170	In-situ structural analysis of mesocrystal photocatalysts	Takashi Tachikawa	Kobe University	Japan		Materials Science and Engineering	6	BL08W	Np
78	2022A1171	In-situ XAFS Analysis under Visible Light Irradiation for Reduced Molybdenum Oxide Active for Photo-assisted Reverse Water-Gas Shift Reaction	Yasutaka Kuwahara	Osaka University	Japan	Educational Organization	Chemical Science	6	BL01B1	Np
79	2022A1172	Visualization of valence electron density distributions associated with the phase transition to reconsider the phase transition mechanism of classical perovskite-type ferroelectrics on the basis of electronic structure theory	Yoshihiro Kuroiwa	Hiroshima University	Japan		Materials Science and Engineering	6	BL02B2	Np
80	2022A1174	Analysis of Solution Structure in Dual-Salt Electrolytes for Fast Mg2+ Intercalation	Katsuhiko Naoi	Tokyo University of Agriculture and Technology	Japan	Educational Organization	Chemical Science	9	BL04B2	Np
81	2022A1175	Operando analysis on a negative electrode material with good cycling ability in sodium-ion batteries	Tomohiko Okada	Shinshu University	Japan	Educational Organization	Chemical Science	6	BL02B2	Np

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82	2022A1176	High-resolution Compton Scattering Study of Temperature Dependence of Fermi Surfaces in High-Tc Cuprate Superconductors	Hiroyuki Yamase	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	29.125	BL08W	Np
83	2022A1177	Magnetic field dependence of the Fermi surface of majority and minority electrons in FeGa alloy with the large magnetostriction.	Hiroshi Sakurai	Gunma University	Japan	Educational Organization	Materials Science and Engineering	18	BL08W	Np
84	2022A1178	Analysis for the penetration enhancing effect of the nanoscale clustered water shower using by human hair applied with hair treatment.	Hiromitsu Nakazawa	Kwansei Gakuin University	Japan	Educational Organization	Life Science	9	BL43IR	Np
85	2022A1182	The study of the electronic structure of order-disorder transition alloys	Manabu Watanabe	Tokyo Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	6	BL46XU	Np
86	2022A1183	The enhancing effect of the hydration and electric filed for the skin permeation.	Hiromitsu Nakazawa	Kwansei Gakuin University	Japan	Educational Organization	Life Science	3	BL40B2	Np
87	2022A1184	Evaluation of nanoscale fracture mechanisms of heterointerfaces by a combined approach of nano X-ray computed tomography and micromechanical testing	Tomoki Matsuda	Osaka University	Japan	Educational Organization	Materials Science and Engineering	9	BL47XU	Np
88	2022A1186	Structural analysis on molecular chain assembly of composite materials having plant cell wall like skeleton structure	Daisuke Tatsumi	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	3	BL40XU	Np
89	2022A1188	Quantification and visualization of degradation pathways at PtNi cathode in fuel cell: Correlative X-ray and electron imaging study	Feng Wang	University College London	UK	Foreign	Chemical Science	12	BL37XU	Np
90	2022A1189	Evaluation of molecular aggregation state in polysiloxane thin films	Tomoyasu Hirai	Osaka Institute of Technology	Japan	Educational Organization	Chemical Science	6	BL40B2	Np
91	2022A1190	Structural analysis of two-dimensional hydrogen-bonding network of water molecules in ultrathin fullerene nanofilms	Koji Harano	National Institute for Materials Science	Japan	National and Nonprofit Organization	Chemical Science	3	BL43IR	Np
92	2022A1191	Time resolved measurement of a topochemical redox reaction on chromium- based oxides by using synchrotron X-ray	Takafumi Yamamoto	Tokyo Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
93	2022A1192	Pair Distribution Function analysis of Ca1-xBaxNb2O6 by Combining Neutron and Synchrotron X-ray diffraction	Yasuhiro Yoneda	Japan Atomic Energy Agency	Japan	National and Nonprofit Organization	Materials Science and Engineering	9	BL04B2	Np
94	2022A1193	In situ observation of the ion gel formation by time-resolved SAXS	Rintaro Takahashi	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	5.5	BL40B2	Np
95	2022A1194	Role of microRNA-138 in cardiac autonomic neuropathy in Type 2 Diabetes mellitus.	Daryl Schwenke	University of Otago	New Zealand	Foreign	Medical Applications	15	BL20B2	Np
96	2022A1198	Structure determination of illicit drugs and their metabolites by single crystal X- ray crystallography using crystalline sponge method	Shimpei Watanabe	RIKEN	Japan	National and Nonprofit Organization	Other	9	BL02B1	Np
97	2022A1200	X-ray Single Crystal Structural Analysis for Microcrystals of Novel Conjugated Organosilicon Compounds with Highly Reactive Multiple Bonds	Mao Minoura	Rikkyo University	Japan	Educational Organization	Chemical Science	9	BL02B1	Np
98	2022A1201	Testing the monophyly of Paraneoptera (hemipteroid insects) based on holo- morphological data	Kazunori Yoshizawa	Hokkaido University	Japan	Educational Organization	Life Science	3	BL20XU	Np
99	2022A1202	Investigation of Hydration Behaviors of PEGylated Nanoparticles Used for DDS	Chie Kojima	Osaka Metropolitan University	Japan	Educational Organization	Chemical Science	6	BL43IR	Np
100	2022A1205	Visualization of perpendicularly-directed antiferromagnetic domain and electric-field induced operation based on nano magnetic characterization using scanning XMCD spectromicroscopy	Yu Shiratsuchi	Osaka University	Japan	Educational Organization	Materials Science and Engineering	11.625	BL25SU	Np
101	2022A1206	Band structure analysis of CeRu2Si2/Fe interface: heavy Fermions' properties tailored by spintronics technique	Takuo Ohkouchi	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	18	BL25SU	Np

5/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non proprietary(Np)
102	2022A1207	Revealing the mechanism of zeolite framework using the hybrid approach combining bottom-up and top-down approaches	Toru Wakihara	The University of Tokyo	Japan		Materials Science and Engineering	17.875	BL08W	Np
103	2022A1208	Development of analytical method for elucidating distribution of drugs in mixed power and hair	Yasuo Seto	RIKEN	Japan	National and Nonprofit Organization	Other	9	BL43IR	Np
104	2022A1209	Investigation of high-capacity expression mechanism of Mg-rich spinel oxide nanoparticle by pair distribution function analysis	Yasushi Idemoto	Tokyo University of Science	Japan	Educational Organization	Chemical Science	9	BL04B2	Np
105	2022A1210	Towards the rational design of zeolites: atomic-scale lifecycle PDF analysis of zeolites and their amorphous precursors	Toru Wakihara	The University of Tokyo	Japan		Materials Science and Engineering	18	BL04B2	Np
106	2022A1215	Visualization of liquid water in PEFC device by multibeam CT technique	Hirosuke Matui	Nagoya University	Japan	Educational Organization	Chemical Science	12	2 BL28B2	Np
107	2022A1216	High-resolution visualization of guest molecule adsorption in MOF-47 Co flamework by X-ray imaging technique	Hirosuke Matui	Nagoya University	Japan	Educational Organization	Chemical Science	12	BL37XU	Np
108	2022A1219	Time-Resolved X-ray Diffraction Measurements of Eutectic Zeolites showing MOF-like Phase Changes with Gas Adsorption	Shunsuke Tanaka	Kansai University	Japan	Educational Organization	Materials Science and Engineering	5.625	6 BL02B2	Np
109	2022A1220	Time resolved structure analysis during polymerization induced vitrification	Yasuhito Suzuki	Osaka Metropolitan University	Japan	Educational Organization	Chemical Science	3	BL40B2	Np
110	2022A1222	3D/4D multi-scale / multi-modal analyses of stress-induced transformation behaviour in cracked TRIP steels	Hiroyuki Toda	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	14.875	BL20XU	Np
111	2022A1223	In-situ 3D structural analysis of Pb(Zr,Ti)O3 piezoelectric thin film under an electric field using X-ray fluorescence holography	Koji Kimura	Nagoya Institute of Technology	Japan		Materials Science and Engineering	11.875	BL47XU	Np
112	2022A1224	Study on a change of a stacking manner for a mixed-valence iron(II,III) complex with a layered structure under a high pressure	Masaya Enomoto	Tokyo University of Science	Japan	Educational Organization	Materials Science and Engineering	3	BL10XU	Np
113	2022A1225	Elucidation of Chemical States, Coordination Structures, and Selectivity Factors of Supported Hybrid Metal Nanoparticle Catalysts with High Activity for Difficult Heterogeneous Acceptorless Dehydrogenation. We want to elucidate the ligand and ensemble effect, and metal-support interaction before/after the reaction.	Kazuya Yamaguchi	The University of Tokyo	Japan	Educational Organization	Chemical Science	3	BL01B1	Np
114	2022A1226	Analysis of Conformational Change during Crystallization of Polylactides	Go Matsuba	Yamagata University	Japan	Educational Organization	Chemical Science	5.625	BL43IR	Np
115	2022A1227	Identification of Fe diffusion process into A1-PdMx (M = In, Zn) nanoparticles	Kenshi Matsumoto	Kyoto University	Japan		Materials Science and Engineering	6	BL02B2	Np
116	2022A1228	Materials structure physics of barium titanate microparticles with an octahedron shape that do not show ferroelectricity	Yoshihiro Kuroiwa	Hiroshima University	Japan		Materials Science and Engineering	6	BL02B2	Np
117	2022A1229	Far-infrared study of S-sustituted excitonic insulator Ta2NiSe5 at high pressures.	Hidekazu Okamura	Tokushima University	Japan		Materials Science and Engineering	9	BL43IR	Np
118	2022A1230	A study on the structural changes of casein micelles with the change of external environments using SAXS	Hideaki Takagi	High Energy Accelerator Research Organization	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL40B2	Np
119	2022A1231	Size-dependent lattice contraction using in-situ synchrotron X-ray powder diffraction of hydrothermal synthesis of Cu nanoparticles	Hidetaka Kasai	University of Tsukuba	Japan		Materials Science and Engineering	6	BL02B2	Np
120	2022A1232	Calibrating magnesium oxide epoxy composite gasket for ultrahigh pressure X-ray diffraction studies of novel hydrides	Cheng Ji	Center for High Pressure Science and Technology Advanced Research	China		Materials Science and Engineering	5.5	BL10XU	Np
121	2022A1233	Microscopic nature of the field-induced phase transition in elemental praseodymium	Shingo Yamamoto	Helmholtz-Zentrum Dresden- Rossendorf	Germany	Foreign	Materials Science and Engineering	9	BL25SU	Np

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122	2022A1238	Elucidation of the Degradation Mechanism of Sulfide Solid Electrolytes	Koji Ohara	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	12	BL08W	Np
123	2022A1239	Development of high-resolution and high-energy X-ray micro-tomography and laminography using 110keV multilayer monochromator	Masato Hoshino	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Beamline Engineering	6	BL20B2	Np
124	2022A1241	Coded Aperture Imaging with High-energy X-ray Scattering beyond 100 keV	Takayoshi Shimura	Osaka University	Japan	Educational Organization	Materials Science and Engineering	12	BL28B2	Np
125	2022A1242	XAFS analysis on the formation of highly dispersed palladium catalysts	Kazu Okumura	Kogakuin University	Japan	Educational Organization	Chemical Science	3	BL01B1	Np
126	2022A1243	Simultaneous Band and Photoelectron Holography Measurements and Machine Learning Analysis of Heusler Alloy CoMnGaGe	Tomohiro Matsushita	Nara Institute of Science and Technology	Japan	Educational Organization	Materials Science and Engineering	12	BL25SU	Np
127	2022A1244	Determination of magnetic structures for novel 2-dimentional metal-organic frameworks composed of single-molecule magnets utilizing soft X-ray magnetic circular dichroism	Yoji Horii	Nara Women's University	Japan	Educational Organization	Materials Science and Engineering	9	BL25SU	Np
128	2022A1246	Research on basic structural properties of SmFe9N1.5 magnet powder for product improvement	Hiroshi Sawa	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
129	2022A1247	Study on structural properties of magnetic anisotropy and electronic states of strong permanent magnet Nd2Fe14B and related materials	Hiroshi Sawa	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	12	BL02B1	Np
130	2022A1248	Diamond at Pressures above 2 Mbar (beam-time rewarded yet re-submission due to COVID-19)	Bing Li	Center for High Pressure Science and Technology Advanced Research	China	Foreign	Materials Science and Engineering	6	BL10XU	Np
131	2022A1249	Shear induced reaction between metal and hydrogen under high pressure	Yang Gao	Center for High Pressure Science and Technology Advanced Research	China	Foreign	Materials Science and Engineering	9	BL10XU	Np
132	2022A1250	Identification of Bi and Pb ordering in negative thermal expansion candidate Bi0.5Pb0.5MO3 using X-ray anomalous dispersion and the clarification of the metal-insulator transition mechanism	Yuki Sakai	Kanagawa Institute of Industrial Science and Technology	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL02B2	Np
133	2022A1251	In situ study of oxygen vacancy dynamics at SrRuO3/SrTiO3 (001) interface during structural phase transition	Bongjin Mun	Gwangju Institute of Science and Technology	Korea	Foreign	Materials Science and Engineering	9	BL46XU	Np
134	2022A1252	Investigation of the correlation between structure and valence arrangement of warped metal-organic nanotubes with flexible ligands	Hiroshi Kitagawa	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	8.625	BL02B1	Np
135	2022A1253	Direct observation of Bi5+, Pb4+oxygen holes in negative thermal expansion candidate Bi0.5Pb0.5MO3 by soft X-ray absorption	Yuki Sakai	Kanagawa Institute of Industrial Science and Technology	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL27SU	Np
136	2022A1254	In situ X-ray diffraction studies of thermogenesis in insect flight muscles - 4	Madoka Suzuki	Osaka University	Japan	Educational Organization	Life Science	8.625	BL40XU	Np
137	2022A1256	Imaging performance Evaluation of Multi-Image X-ray Interferometer Module for a continuous X-ray spectrum	Hironori Matsumoto	Osaka University	Japan	Educational Organization	Other	9	BL20B2	Np
138	2022A1257	The determination of the mechanism of quantum criticality in Yb system	Takanori Taniguchi	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	9	BL39XU	Np
139	2022A1258	Synthesis of 3C perovskite polymorph of BaRhO3 under extreme pressures	Sean Injac	Kyoto University	Japan	Educational Organization	Chemical Science	3	BL04B1	Np
140	2022A1259	Structure of silicate melt under shear revealed by X-ray diffraction and small angle scattering	Satoshi Okumura	Tohoku University	Japan	Educational Organization	Earth and Planetary Science	9	BL47XU	Np
141	2022A1260	Investigation of valence-ordering sates in dimensional crossover complexes using synchrotron powder X-ray study	Kazuya Otsubo	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np

1Shift	=8Hours
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5/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non- proprietary(Np)
142	2022A1261	Investigation on structure of hot-compressed oxide, amorphous and crystalline phased materials, by using high-energy X-ray diffraction technique	Madoka Ono	Hokkaido University	Japan	Educational Organization	Materials Science and Engineering	6	BL04B2	Np
143	2022A1265	Tracking formation of early amyloid prefibrillar intermediates using time- resolved SAXS technique	Naoki Yamamoto	Jichi Medical University	Japan	Educational Organization	Life Science	3	BL40B2	Np
144	2022A1266	Study on mechanism of giant piezoelectric response in wurtzite-type ferroelectrics	Hiroshi Funakubo	Tokyo Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	g	BL13XU	Np
145	2022A1267	Urethane modified epoxy resin for electrical conductive adhesive with cellulose nano fiber	Michiya Matsushima	Osaka University	Japan	Educational Organization	Materials Science and Engineering	6	BL43IR	Np
146	2022A1268	Magnetoresistive effect induced by chemical-bond-control in ilmenite-type vanadates.	Hajime Yamamoto	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
147	2022A1269	Observation of local structure around dopant atom in Mn-doped BiFeO₃ single crystalline thin film by inverse-mode X-ray fluorescence holography under an electric field	Seiji Nakashima	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	15	BL39XU	Np
148	2022A1270	Structure analysis based on synchrotron X-ray powder diffraction of novel oxide-ion and proton conductors	Kotaro Fujii	Tokyo Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
149	2022A1272	High-resolution analysis of ciliary axonemes by X-ray fiber diffraction of ctenophore comb plate	Kazuo Inaba	University of Tsukuba	Japan	Educational Organization	Life Science	18	BL40XU	Np
150	2022A1276	Structural analysis of catalytically active species for efficient carbon-carbon bond formations by titanium, vanadium, and niobium catalysts by solution XAFS analysis	Kotohiro Nomura	Tokyo Metropolitan University	Japan	Educational Organization	Chemical Science	3	BL01B1	Np
151	2022A1277	Accurate electronic states of gases under reaction environments (1)	Yoshiharu Sakurai	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	g	BL08W	Np
152	2022A1278	Three-dimensional local atomic configurations of FeSe in the superconducting temperature range	Shinya Hosokawa	Kumamoto University	Japan	Educational Organization	Materials Science and Engineering	11.875	BL39XU	Np
153	2022A1280	Study on negative thermal expansion in SrCu3Fe4O12 by means of Cu K α x-ray emission spectroscopy	Hitoshi Sato	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	g	BL39XU	Np
154	2022A1281	Crystal-field ground state of the valence transition compound YbInCu4 determined by linear dichroism in Yb L3 resonant hard x-ray photoemission spectroscopy	Hitoshi Sato	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	8.625	BL09XU	Np
155	2022A1283	Phase transition and dynamics of imidazolium-based ionic liquid crystals in nanopores	Koji Fukao	Ritsumeikan University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
156	2022A1285	Adsorption Behavior of Water Clusters on Amino-Functionalized Open-Cage Fullerene Derivatives	Yoshifumi Hashikawa	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL43IR	Np
157	2022A1289	Precise investigation on the structures of TiO2 gels, and solids by using PDF analysis	Daisuke Hirose	Japan Advanced Institute of Science and Technology	Japan	Educational Organization	Materials Science and Engineering	5.875	BL04B2	Np
158	2022A1291	In-situ surface X-ray diffraction of Pd electrodes during hydrogen absorption	Masashi Nakamura	Chiba University	Japan	Educational Organization	Chemical Science	12	BL13XU	Np
159	2022A1292	Microcrystal X-ray Structural Analysis for Extremely Unstable and Reactive Organometallic Compounds	Hikaru Takaya	TEIKYO University of Science	Japan	Educational Organization	Chemical Science	6	BL40XU	Np
160	2022A1293	Elucidation of the importance of ceramide optical activity in skin barrier function using infrared spectroscopy	Yasuko Obata	Hoshi University	Japan	Educational Organization	Medical Applications	9	BL43IR	Np
161	2022A1296	Crystal structure and superconducting properties of high-entropy-alloy-type A15 superconductors	Yuki Nakahira	National Institutes for Quantum Science and Technology	Japan	National and Nonprofit Organization	Materials Science and Engineering	3	BL02B2	Np

S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non- proprietary(Np)
162	2022A1297	In situ microscope IR measurement for the analysis of guest molecule behavior in 1D channels composed of X-shaped indanedione dimers	Yumi Yakiyama	Osaka University	Japan	Educational Organization	Chemical Science	3	BL43IR	Np
163	2022A1300	Characterization of short-lived reaction intermediates in nitric oxide reductase	Takehiko Tosha	RIKEN	Japan	National and Nonprofit Organization	Life Science	15	BL19LXU	Np
164	2022A1301	HAXPES analysis of metal-semiconductor transition mechanism in solid phase crystallized hydrogenated indium oxide thin-films	Mamoru Furuta	Kochi University of Technology	Japan	Educational Organization	Materials Science and Engineering	6	BL09XU	Np
165	2022A1302	Partitioning of Fe2+ and Fe3+ between bridgmanite and silicate melt determined by XAFS measurement: Constraints on the redox evolution of the Earth's upper mantle	Hideharu Kuwahara	Ehime University	Japan	Educational Organization	Earth and Planetary Science	6	BL27SU	Np
166	2022A1303	Fabrication of molecular solids composed of emissive units with intramolecular charge transfer properties and micron-sized single crystal X-ray structure analysis	Keishiro Tahara	University of Hyogo	Japan	Educational Organization	Chemical Science	6	BL02B1	Np
167	2022A1304	Pressure and nuclearity dependence of photoluminescent multinuclear copper(I)iodide complexes	Yoshiki Ozawa	University of Hyogo	Japan	Educational Organization	Chemical Science	3	BL10XU	Np
168	2022A1305	Operando Hard X-ray Photoelectron Spectroscopy (HAXPES) under working condition of thin film transistor (TFT) based on indium oxide semiconducting channel.	Ibrahima Gueye	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	11.875	BL09XU	Np
169	2022A1306*	Partial structural study of rejuvenation effect in La-Ni-Al metallic glasses	Shinya Hosokawa	Kumamoto University	Japan	Educational Organization	Materials Science and Engineering	12	BL47XU	Np
170	2022A1308	Temperature-dependent microsecond molecular dynamics measurement of polymers using diffracted x-ray blinking (DXB) method	Tatsuya Arai	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	12	BL40XU	Np
171	2022A1309	Elucidation of the electronic structure of high valent organocopper species by X-ray emission spectroscopies	Masatoshi Ishida	Tokyo Metropolitan University	Japan	Educational Organization	Chemical Science	6	BL27SU	Np
172	2022A1310	The role of Nox1 activity in coronary vascular ageing in obese diabetic mice	James Pearson	National Cerebral and Cardiovascular Center	Japan	National and Nonprofit Organization	Medical Applications	12	BL20B2	Np
173	2022A1311	Core/Shell Interface Analysis of Ferromagnetic Metals@Onion-Like Carbon Particles by Time-Resolved Pair Distribution Function Analysis	Fumihiro Kodera	National Institute of Technology, Asahikawa College	Japan	Educational Organization	Materials Science and Engineering	12	BL08W	Np
174	2022A1312	Investigation of the metal-insulator transition in Bi0.5Pb0.5CrO3 and Bi0.5Pb0.5CoO3	Masaki Azuma	Tokyo Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	9	BL09XU	Np
175	2022A1313	Effects of the local atomic structure on the antiferromagnetism in Cd-Mg-Tb quasicrystals	Jens Stellhorn	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	12	BL39XU	Np
176	2022A1315	X-ray absorption study of the 3D-2D transition upon crystallization of InSe, GaSe, and their alloys	Paul Fons	Keio University	Japan	Educational Organization	Materials Science and Engineering	9	BL01B1	Np
177	2022A1316	Development of DAC multiple compression system using piezo actuator and membrane to detect hysteresis during high-pressure phase transition	Hitoshi Yusa	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL10XU	Np
178	2022A1317	Effect of hydrogen on rheology of hexagonal close packed (hcp) iron	Yu Nishihara	Ehime University	Japan	Educational Organization	Earth and Planetary Science	12	BL04B1	Np
179	2022A1318	Exploring Coherent Phonon Transport Limit in Superlattice Structures by Inelastic X-ray Scattering	Junichiro Shiomi	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	12	BL35XU	Np
180	2022A1319*	Phase diagram of Fe-FeH system at mantle transition zone	Sho Kakizawa	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Earth and Planetary Science	9	BL04B1	Np
181	2022A1322	Local structure analysis of interstitial type luminescence centers in ring- network structure by X-ray absorption spectroscopy.	Mamoru Kitaura	Yamagata University	Japan	Educational Organization	Materials Science and Engineering	5.875	BL01B1	Np

1Shift	=8Hours
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S/N Proposa Number	Performed Proposal Lifle	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non- proprietary(Np)
182 2022A1323	Kinetic analysis of solid-state synthesis reaction under pressure	Akira Miura	Hokkaido University	Japan	Educational Organization	Materials Science and Engineering	6	BL10XU	Np
183 2022A1324	Challenge for highly-ordered "quasi-homoepitaxial" single-crystalline p-n junctions of organic semiconductors	Yasuo Nakayama	Tokyo University of Science	Japan	Educational Organization	Materials Science and Engineering	9	BL13XU	Np
184 2022A1325	Visualization of Hyper-ordered Structures with Colossal Polarizability in (Nb0.5A0.5)0.01Ti0.99O2(A=In,Ga,AI) by X-ray Fluorescence Holography	Hiroki Taniguchi	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	12	BL39XU	Np
185 2022A1327	Formation mechanism of metastable cluster layers in dilute MgYZn alloys from solid solutions	Hiroshi Okuda	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	9	BL40B2	Np
186 2022A1328	Analysis of local structures of cerium-based novel oxygen-storage materials toward understandings of its unusual redox characteristics	Saburo Hosokawa	Kyoto Institute of Technology	Japan	Educational Organization	Chemical Science	9	BL01B1	Np
187 2022A1329	Structurer determination of methylaluminoxane with X-ray total scattering	Toru Wada	Japan Advanced Institute of Science and Technology	Japan	Educational Organization	Materials Science and Engineering	9	BL04B2	Np
188 2022A1330	Structural study of stimuli-responsive functional crystals composed of non- planar pi-conjugated molecules	Yumi Yakiyama	Osaka University	Japan	Educational Organization	Chemical Science	6	BL02B1	Np
189 2022A1335	Analysis of the interaction between water-responsive molecule and water molecules	Youhei Takeda	Osaka University	Japan	Educational Organization	Chemical Science	2	BL43IR	Np
190 2022A1336	Operando XRD analysis of (dis)charge reaction of two-phase electrode materials for solid state batteries under controlled mechanical stress	Yuta Kimura	Tohoku University	Japan	Educational Organization	Chemical Science	6	BL02B2	Np
191 2022A1337	Correlation between intramolecular rotational motion and protein function using Diffracted X-ray Tracking	Yuji Sasaki	The University of Tokyo	Japan	Educational Organization	Life Science	17.875	BL40XU	Np
192 2022A1340	Operando 3D multi-scale observation of the reaction distribution formation in solid state battery electrodes using projection / imaging nano CT-XAFS	Yuta Kimura	Tohoku University	Japan	Educational Organization	Chemical Science	18	BL37XU	Np
193 2022A1341	Analysis of oxygen store/release process in Fe-based mixed oxide by using quick XAFS/XRD measurement with time resolution of the order of milliseconds	Saburo Hosokawa	Kyoto Institute of Technology	Japan	Educational Organization	Chemical Science	12	BL36XU	Np
194 2022A1342	Analysis of Associating Structure of Amphiphilic Random Copolymer in Aqueous Solution by using Anomalous Small-angle X-ray Scattering	Isamu Akiba	The University of Kitakyushu	Japan	Educational Organization	Chemical Science	8.875	BL40B2	Np
195 2022A1343	Development of quasi-elastic gamma-ray scattering system using two- dimension X-ray detector CITIUS and its application study of rubbery systems	Makina Saito	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	18	BL35XU	Np
196 2022A1344	Valence state analysis of nano-cluster crystals of transition-metal chalcogenides by HAXPES	Shinobu Aoyagi	Nagoya City University	Japan	Educational Organization	Materials Science and Engineering	6	BL46XU	Np
197 2022A1345	 X-ray anomalous scattering study of Ag quantum cluster in ZnO-B2O3 glasses 	Kouichi Hayashi	Nagoya Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	15	BL47XU	Np
198 2022A1347	Microstructural analysis of damage in the crystalline and amorphous phases of polypropylene solids	Yusuke Hiejima	Kanazawa University	Japan	Educational Organization	Materials Science and Engineering	9	BL40B2	Np
199 2022A1348	Kinetic analysis of degradation of lithium-ion batteries at high temperature by X-ray Compton scattering measurement	Yoshiyasu Saito	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Chemical Science	11	BL08W	Np
200 2022A1349	Structural changes of nano-cluster crystals of transition-metal chalcogenides by control of composition	Shinobu Aoyagi	Nagoya City University	Japan	Educational Organization	Materials Science and Engineering	3	BL41XU	Np
201 2022A1351	Understanding structural changes in an as-grown-curved single crystal	Osamu Sato	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	3	BL40XU	Np

* SPring-8 Research Proposals in Complementary Use with SACLA, J-PARC/MLF or HPCI including the K computer / the supercomputer Fugaku

S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non- proprietary(Np)
202	2022A1352	Kinetic analysis of degradation of lithium-ion batteries at high temperature by x-ray diffraction measurement	Yoshiyasu Saito	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Chemical Science	3	BL13XU	Np
203	2022A1353	Characterization of thermal runaway of all solid state lithium-ion batteries with sulfide electrolyte by insitu heating XRD measurement	Yoshiyasu Saito	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Chemical Science	6	BL13XU	Np
204	2022A1354	Single-Crystal X-ray Diffraction Analysis of Novel Materials for Energy Harvesting	Michihisa Murata	Osaka Institute of Technology	Japan	Educational Organization	Chemical Science	6	BL02B1	Np
205	2022A1355	Dimensional properties of poly(vinyl alcohol carbamate)s in solution	Akiyuki Ryoki	Kyoto University	Japan	Educational Organization	Chemical Science	3	BL40B2	Np
206	2022A1356	Snapshot imaging of pulsating blood vessels by dynamical phase-contrast X- ray CT: improvement of long-term pulsation stability and image signal-to-noise ratio for analyzing the entire circumferential wall deformation	Takeshi Matsumoto	Tokushima University	Japan	Educational Organization	Medical Applications	3	BL20B2	Np
207	2022A1357	Sound velocity and density measurements of Martian mantle lithologies at high pressure and high temperature	Daniele Antonangeli	Centre National de la Recherche Scientifique	France	Foreign	Earth and Planetary Science	12	BL04B1	Np
208	2022A1358	Structural properties of Fe based superconductors in the electrical-nematic state	Hisao Kobayashi	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	12	BL10XU	Np
209	2022A1359	Three-dimensional structural analysis of metal-supporting natural zeolites using X-ray fluorescence holography: Structural insight into highly active catalysts	Kouichi Hayashi	Nagoya Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	9	BL47XU	Np
210	2022A1360	Dynamics of valence fluctuations in beta-YbAlB4 under multi-extreme conditions studied by synchrotron radiation-based 174Yb Mössbauer spectroscopy	Hisao Kobayashi	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	14.375	BL35XU	Np
211	2022A1361	Observation of the dynamics of "inorganic plastic crystals" by nano-beam X- ray diffraction	NAOYUKI KATAYAMA	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	6	BL13XU	Np
212	2022A1362	Local structure around Pb atom of Pb substituted La(O,F)BiS2 studied by photoelectron holography	Takayoshi Yokoya	Okayama University	Japan	Educational Organization	Materials Science and Engineering	12	BL25SU	Np
213	2022A1363	Chemical state and local structure of N dopant in heavily N-doped diamond	Takayoshi Yokoya	Okayama University	Japan	Educational Organization	Materials Science and Engineering	12	BL25SU	Np
214	2022A1365	Examination of the structure and densification in zinc phosphate glass fibers	Hirokazu Masai	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Materials Science and Engineering	3	BL04B2	Np
215	2022A1366	Observation of the Electronic State of Metal Nanoparticle Colloid Solution for Elucidating the Solid-Liquid Interface Phenomena using HAXPES with Ambient Pressure Cell	Eiji Ikenaga	Nagoya University	Japan	Educational Organization	Chemical Science	15	BL09XU	Np
216	2022A1368	High-pressure ultrasonic P-wave velocity measurements on liquid Fe-rich alloys to constrain structural and seismological models for Mercury's core	Jurrien Knibbe	Royal Observatory of Belgium	Belgium	Foreign	Earth and Planetary Science	11.875	BL04B1	Np
217	2022A1369	The characterization and electrochemical operando observation of denary ultra-high-entropy alloy nanoparticles by X-ray absorption spectroscopy	Hiroshi Kitagawa	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	12	BL01B1	Np
218	2022A1371	Investigation of the relationship between structural changes and phase transition behavior of perovskite QD-containing glasses by in situ heating and cooling HXRD measurement	Kenji Shinozaki	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Materials Science and Engineering	9	BL08W	Np
219	2022A1373	Structural Analysis of High Entropy Oxide Nanoparticles and Observation of their Structural Change under Reaction Conditions	Hiroshi Kitagawa	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
220	2022A1375	High-speed X-ray observation of silver halide and silver for crystal motion and lattice deformation during photolysis reaction	Masahiro Kuramochi	Ibaraki University	Japan	Educational Organization	Materials Science and Engineering	9	BL40XU	Np

1Shift :	=8Hours
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221	2022A1376	Precise structural analysis of supramolecular crystal and porous coordination polymer with nano-cavity	Kosuke Katagiri	Konan University	Japan	Educational Organization	Chemical Science	6	BL26B1	Np
222	2022A1377	Nanostructure and Chemical State Imaging of Low Concentration Sulfur Materials by Linking Ptychography and Scanning X-ray Fluorescence Microscopy.	Fusae Kaneko	Sumitomo Rubber Industries, Ltd.	Japan	Industry	Industrial Applications	9	BL27SU	Np
223	2022A1378	Structural analysis of hair treated with organic acid-amine complex	Hiroki Hotta	Kobe University	Japan	Educational Organization	Life Science	5.875	BL40XU	Np
224	2022A1380	Double Arrangements of Rigid and Soft Segments Induced by Drawing of Ionic Polyurethane	Hiroki Uehara	Gunma University	Japan	Educational Organization	Materials Science and Engineering	9	BL40XU	Np
225	2022A1382	Elementary Process of Fracture in Composite Materials based on 4D strain mapping using synchrotron radiation X-ray CT	Kosuke Takahashi	Hokkaido University	Japan		Materials Science and Engineering	9	BL20XU	Np
226	2022A1383	Domain structure in Lu0.5Y0.5AlO3:Ce mixed crystalline scintillator explored by X-ray fluorescence holography	Mamoru Kitaura	Yamagata University	Japan	Educational Organization	Materials Science and Engineering	8	BL39XU	Np
227	2022A1385	Measurement of the plastic-induced damage as material kinematics in tensile deformation of ultra-high strength steel	Takashi Matsuno	Tottori University	Japan		Materials Science and Engineering	9	BL28B2	Np
228	2022A1387	Implementation of high-definition detectors to X-ray micro/nano-CT systems	Kentaro Uesugi	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Earth and Planetary Science	9	BL47XU	Np
229	2022A1388	Determination of local structure of van der Waals crystal Fe5-xGeTe2 doped with metal atoms by X-ray fluorescence holography	Yoshihiro Kubozono	Okayama University	Japan	Educational Organization	Materials Science and Engineering	12	BL47XU	Np
230	2022A1391	Determination of crystal structure of highly ordered Fe2AI5 intermetallics compounds with AI-rich compositions	Haruyuki Inui	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B1	Np
231	2022A1392	Infrared spectroscopic study on the heterogeneous distribution and structure of insect body surface lipids	Fumitoshi Kaneko	Osaka University	Japan	Educational Organization	Life Science	6	BL43IR	Np
232	2022A1393	In situ observation of hafnium allotropic transformation	Zenji Horita	Saga University	Japan	Educational Organization	Materials Science and Engineering	9	BL04B1	Np
233	2022A1394	Observation of the Composition dependence on the Electronic Structure of Platinum-Group-Metal High-Entropy Alloy (PGM-HEA) Nanoparticles	Hiroshi Kitagawa	Kyoto University	Japan		Materials Science and Engineering	11.375	BL46XU	Np
234	2022A1396	Evaluation of dynamic deformation behavior of composite rubber by using dynamic X-ray CT	Masami Matsubara	Toyohashi University of Technology	Japan	Educational Organization	Materials Science and Engineering	9	BL20XU	Np
235	2022A1397	Understanding of corrosion acceleration mechanism by heavy metal in the waste-fired boiler	Masaki Takaoka	Kyoto University	Japan	Educational Organization	Environmental Science	9	BL37XU	Np
236	2022A1398	Water transportation to the mantle transition zone: the phase relation of FeTi oxyhydroxides and the equation of state.	Kyoko Matsukage	TEIKYO University of Science	Japan	Educational Organization	Earth and Planetary Science	9	BL04B1	Np
237	2022A1400	Development and evaluation of high-aspect-ratio Fresnel zone plate for improvements of x-ray nano tomography	Akihisa Takeuchi	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Earth and Planetary Science	9	BL47XU	Np
238	2022A1401	Measurement of ultra-low energy level of Thorium-229 Isomer with high brightness X-ray light source	Koji Yoshimura	Okayama University	Japan	Educational Organization	Elementary Particles, Nuclear Science	18	BL19LXU	Np
239	2022A1402	Study of the Amphiphilic Multi-block Copolymers -its Structure in Aqueous Media and Capability of DDS material-	Yusuke Sanada	Fukuoka University	Japan	Educational Organization	Chemical Science	3	BL40B2	Np
240	2022A1404	Verification of the effects on the IR extinction spectrum considering micron- sized dust agglomerate structures and polarized light	Akemi Tamanai	RIKEN	Japan	National and Nonprofit Organization	Earth and Planetary Science	22.875	BL43IR	Np

1Shift	=8Hours
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5/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Nor proprietary(Np)
241	2022A1405	Local structure of glass-forming molecular liquids under low-temperature and high-pressure Part 2	Osamu Yamamuro	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	12	BL37XU	Np
242	2022A1406	NRVS on BaSnO3	Artur Braun	Swiss Federal Institutes of Technology	Switzerland	Foreign	Materials Science and Engineering	15	BL35XU	Np
243	2022A1407	Visualisation of the functional governing factors of Heusler alloys by PEEM and machine learning	Masato Kotsugi	Tokyo University of Science	Japan	Educational Organization	Materials Science and Engineering	15	BL17SU	Np
244	2022A1409	In Situ Microtomography Study of 3D Effects of Multi-scale Damage Precursors and Strengthening and Toughening Mechanisms on Progressive Damage in Next-Generation Hierarchical Nanoengineered Advanced Composites	Estelle Cohen	Massachusetts Institute of Technology	USA	Foreign	Materials Science and Engineering	6	BL20XU	Np
245	2022A1410	Examination of Ti dimerization in a pseudobrookite Al1-xTi2+xO5 probed by hard X-ray photoemission spectroscopy	Tomohiko Saitoh	Tokyo University of Science	Japan	Educational Organization	Materials Science and Engineering	3	BL09XU	Np
246	2022A1411	Electronic structure study of LaCoO3 with soft x-ray angle-resolved photoemission spectroscopy (3)	Tomohiko Saitoh	Tokyo University of Science	Japan	Educational Organization	Materials Science and Engineering	9	BL25SU	Np
247	2022A1413	Direct evidence of nanoparticle retention mechanisms obtained by in situ X-ray imaging	Henning Sorensen	Xnovo Technology ApS	Denmark	Foreign	Earth and Planetary Science	8.5	BL20B2	Np
248	2022A1414	HAXPES study of the Copper oxide nanocomposites supported on reduced graphene oxide for photocatalytic reduction reactions	Charith Jayathilaka	University of Kelaniya	Sri Lanka	Foreign	Materials Science and Engineering	6	BL46XU	Np
249	2022A1415	Temperature Dependence Analysis of Heteroepitaxial Interface Structure for "Super"-Ferroelectrics with High Density Heteroepitaxial Interface and Special Dielectric Properties for Next Generation MLCC Application	Shintaro Ueno	University of Yamanashi	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
250	2022A1418	Unraveling the Path to Metallic GeTe2 Liquid as a Promising Precursor for the Next Generation of Phase Change Materials	Evgeny Bychkov	University of the Littoral Opal Coast	France	Foreign	Materials Science and Engineering	5.5	BL04B2	Np
251	2022A1419	X-ray fiber diffraction of microtubules: High accuracy analysis of structural dynamics of microtubules using WAXS-noise temperature correction	Shinji Kamimura	Chuo University	Japan	Educational Organization	Life Science	9	BL40XU	Np
252	2022A1420*	Phonon dispersion relations of medium-entropy alloys	Satoshi Tsutsui	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	18	BL35XU	Np
253	2022A1421	Effects of molecular packing on lipid molecular dynamics and the two- dimensional membrane viscosity	Michihiro Nagao	National Institute of Standards and Technology	USA	Foreign	Materials Science and Engineering	18	BL35XU	Np
254	2022A1422	Morphological control by ultratrace element for graphite forming in ultrapure Fe-C melt	Akira Sugiyama	Osaka Sangyo University	Japan	Educational Organization	Industrial Applications	9	BL20B2	Np
255	2022A1424	Investigation of the artificial electrode/solid electrolyte interface of all-solid- state Li-ion batteries by operando depth resolved soft X-ray absorption spectroscopy	Takashi Nakamura	Tohoku University	Japan	Educational Organization	Chemical Science	12	BL27SU	Np
256	2022A1426	Visualization of uranium concentrated in rat kidney using phase contrast X-ray micro-CT	Daisuke Ohsawa	National Institutes for Quantum Science and Technology	Japan	National and Nonprofit Organization	Medical Applications	6	BL20B2	Np
257	2022A1427	AE study in the olivine-ringwoodite transformation under differential stress	Tomoaki Kubo	Kyushu University	Japan	Educational Organization	Earth and Planetary Science	9	BL04B1	Np
258	2022A1429	Operando non-steady state analysis of oxygen chemical potential distribution in solid oxide fuel cell electrolyte by using high temperature electrochemical nano XAFS	Koji Amezawa	Tohoku University	Japan	Educational Organization	Chemical Science	17.25	BL37XU	Np
259	2022A1430	Three-dimensional Chemical State Imaging of Cathode of All-solid-state Thin- Film Lithium-ion Batteries During Charging/Discharging Processes by Operando CT-XAFS	Nozomu Ishiguro	Tohoku University	Japan	Educational Organization	Chemical Science	10	BL37XU	Np
260	2022A1431	Measurements of conformational changes of proteins in a single molecule with white X-ray	Hirofumi Shimizu	University of Fukui	Japan	Educational Organization	Life Science	18	BL28B2	Np

1Shift	=8Hours
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5/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non proprietary(Np)
261	2022A1432	Analysis of stratum corneum structure in patients with anticancer drug-induced skin disorders I -Capecitabin-induced hand-foot syndrome-	Tomonobu Uchino	University of Shizuoka	Japan	Educational Organization	Life Science	6	BL40B2	Np
262	2022A1433	Electronic states in hydrogenated polycrystalline In2O3 (In2O3:H) films	Yusaku Magari	Shimane University	Japan	Educational Organization	Materials Science and Engineering	6	BL09XU	Np
263	2022A1434	Observation of magnetic multipole spin-split bands in non-collinear magnets	Kenta Kuroda	Hiroshima University	Japan		Materials Science and Engineering	18	BL25SU	Np
264	2022A1435	Experimental determination of single crystal elastic constants of martensitic phase in TiNi shape memory alloy	Takeshi Teramoto	Kobe University	Japan		Materials Science and Engineering	12	BL35XU	Np
265	2022A1436	Search for metallization and superconductivity of hydrogen under ultra-high pressure	Yuki Nakamoto	Osaka University	Japan		Materials Science and Engineering	g	BL10XU	Np
266	2022A1437	Comparison of the effects of liposomes and β -branched monohexadecylphosphate-containing nanoparticles on the stratum corneum structure during the permeation process of the stratum corneum I	Tomonobu Uchino	University of Shizuoka	Japan	Educational Organization	Life Science	g	BL40B2	Np
267	2022A1438	Distribution and chemical state of boron oxide at joined ceramics interface	Takeshi Kobayashi	Central Research Institute of Electric Power Industry	Japan	National and Nonprofit Organization	Chemical Science	8.875	BL17SU	Np
268	2022A1440	Operando measurement for interface lithium reaction of electrode-electrolyte in all-solid-state battery	Kosuke Suzuki	Gunma University	Japan	Educational Organization	Chemical Science	21	BL08W	Np
269	2022A1444	Operando 3D analysis of reaction distribution in a composite anode for all- solid-state batteries using X-ray absorption/phase-contrast CT	Koji Amezawa	Tohoku University	Japan	Educational Organization	Chemical Science	6	BL47XU	Np
270	2022A1446	Electrode reaction of sodium-ion battery anode material Na $_3$ Bi using high-energy X-ray Compton scattering	Kosuke Suzuki	Gunma University	Japan		Materials Science and Engineering	g	BL08W	Np
271	2022A1447	Determination of middle-range alloy structure in the negative thermal expansion alloy Fe72Pt28 by using crystalline PDF and RMC method	Naoki Ishimatsu	Hiroshima University	Japan		Materials Science and Engineering	g	BL04B2	Np
272	2022A1449	Elemental distribution mapping and XAFS analysis of phosphorous in the iron ores before and after reducing heat treatment	Kozo Shinoda	Tohoku University	Japan	Educational Organization	Industrial Applications	6	BL27SU	Np
273	2022A1450	Density measurement of liquid Fe-alloy using X-ray absorption method combined with laser hearing up to Martian core condition	Hidenori Terasaki	Okayama University	Japan		Earth and Planetary Science	g	BL10XU	Np
274	2022A1452	Time-resolved lattice strain mapping on surface of piezoelectric oscillators resonantly vibrating under alternating electric field	Shinobu Aoyagi	Nagoya City University	Japan		Materials Science and Engineering	g	BL02B1	Np
275	2022A1454	Reconstruction of redox orbital for high-capacity ${\sf LixNiO_2}$ cathode by high-energy X-ray Compton scattering	Bernardo Barbiellini	Lappeenranta-Lahti University of Technology	Finland	Foreign	Materials Science and Engineering	g	BL08W	Np
276	2022A1455	Study on valence band electrical structure of polymorphs ${\sf Ga_2O_3}\mathchar`-In_2O_3$ alloy film	Takahiro Nagata	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL09XU	Np
277	2022A1456	Demonstration of magnetic imaging with magnetic Compton scattering imaging	Naruki Tsuji	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Beamline Engineering	11.875	BL08W	Np
278	2022A1457	In-situ observation of high-pressure phase formation for transition-metal germanide	Takuya Sasaki	Nagoya University	Japan		Materials Science and Engineering	6	BL04B1	Np
279	2022A1458	Effects of ball milling processes on atomic configurations of Ti-Nb-O-based negative-electrode materials for lithium ion batteries	Naoto Kitamura	Tokyo University of Science	Japan	Educational Organization	Chemical Science	6	BL04B2	Np
80	2022A1459	Examination and development of simultaneous acquisition system for micro/nano X-ray imaging and X-ray diffraction.	Masahiro Yasutake	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Beamline Engineering	9	BL47XU	Np
81	2022A1461	Structural analysis of bacterial extracellular nanocapusule	Jun Kawamoto	Kyoto University	Japan	Educational Organization	Life Science	3	BL40B2	Np

1Shift =	8Hours
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5/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non- proprietary(Np)
282	2022A1462	Ir valence determination and its dynamics in intermediate valence iridates using Ir-193 synchrotron-radiation-based Mossbauer spectroscopy	Satoshi Tsutsui	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	15	BL35XU	Np
283	2022A1463	Visualization of a novel hyper-producing bacterium of extracellular nanocapsules by synchrotron X-ray tomography	Jun Kawamoto	Kyoto University	Japan	Educational Organization	Life Science	5	BL47XU	Np
284	2022A1465	Operando Chemical State Imaging of Cathode Materials for Lithium-Sulfur Battery by Tender X-ray Ptychography-XAFS Method	Yukio Takahashi	Tohoku University	Japan	Educational Organization	Chemical Science	18	BL27SU	Np
285	2022A1466	Anomalous pressure dependence of XMCD accompanied with the pressure- induced Invar effect in Fe-Ni alloy with low Fe composition	Naoki Ishimatsu	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	12	BL39XU	Np
286	2022A1467	The development of High-Speed Simultaneous X-ray Imaging and SAXS measurements	Hiroshi Sekiguchi	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Beamline Engineering	6	BL40XU	Np
287	2022A1468	Investigation of the mechanism of selective sorption property of pillared-layer type porous coordination polymers	Yoshiki Kubota	Osaka Metropolitan University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
288	2022A1469	Infrared Synchrotron Magnetic Circular Dichroism Spectroscopy and Spin State of Organic Conductor	Yuka Ikemoto	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	18	BL43IR	Np
289	2022A1470	Investigation of phonon dispersion curves (Г-К point) for single-crystalline bulk SiGe by inelastic X-ray scattering	Ryo Yokogawa	Meiji University	Japan	Educational Organization	Materials Science and Engineering	9	BL43LXU	Np
290	2022A1471	Study of the local dynamics relaxation of rubber by quasielastic gamma-ray scattering.	Ryo Mashita	Sumitomo Rubber Industries, Ltd.	Japan	Industry	Industrial Applications	18	BL35XU	Np
291	2022A1472	Quantitative microstructure distributions in Al/Mg based composite materials by quantitative SAXS tomography to examine mechanical properties.	Hiroshi Okuda	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	9	BL40XU	Np
292	2022A1473	Local crystal structure analysis of perovskite fluorides with ultra-low tolerance factors based on pair distribution functions	Hirofumi Akamatsu	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	3	BL04B2	Np
293	2022A1474	Observation of Alkali Metal lon Distribution in Lithium-ion Battery Materials by Photoelectron Holography	Yusuke Hashimoto	Nara Institute of Science and Technology	Japan	Educational Organization	Materials Science and Engineering	9	BL25SU	Np
294	2022A1475	XAFS Analysis of Cathode Materials for Fluoride Ion Batteries(1)	Tomoki Uchiyama	Kyoto University	Japan	Educational Organization	Chemical Science	9	BL01B1	Np
295	2022A1478	Observation of fracture process of rubber by fast four-dimensional X-Ray CT imaging.	Ryo Mashita	Sumitomo Rubber Industries, Ltd.	Japan	Industry	Industrial Applications	9	BL28B2	Np
296	2022A1480	Elucidating heterogeneous reaction distribution at high voltage for the blended Ni-rich lithium ion cathodes via operando transmission x-ray microscopy	Jongwoo Lim	Seoul National University	Korea	Foreign	Industrial Applications	12	BL37XU	Np
297	2022A1481	Characterization of Non-heme Iron Enzymes Intermediates Utilizing Nuclear Resonance Vibrational Spectroscopy	Edward Solomon	Stanford University	USA	Foreign	Life Science	18	BL35XU	Np
298	2022A1482	Conformation Analysis of Artificial Foldamers having Rigid Backbone and Flexible Side Chains	Aya Tanatani	Ochanomizu University	Japan	Educational Organization	Chemical Science	6	BL26B1	Np
299	2022A1483	Assemblies of π -Electronic Ion Pairs Exhibiting Polarized Structures	Hiromitsu Maeda	Ritsumeikan University	Japan	Educational Organization	Materials Science and Engineering	6	BL40XU	Np
300	2022A1484	Soft-XAFS Analysis of Cathode Materials for Fluoride Ion Batteries(1)	Tomoki Uchiyama	Kyoto University	Japan	Educational Organization	Chemical Science	5.5	BL27SU	Np
301	2022A1485	X-ray Diffraction Study of Nano-Confined Liquids Under Shear	Kazue Kurihara	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	18	BL40B2	Np

Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non- proprietary(Np)
2022A1486	Structural analysis of metal atoms encapsulated in a zero-dimensional silicon cage	Atsushi Nakajima	Keio University	Japan	Educational Organization	Materials Science and Engineering	3	BL01B1	Np
2022A1487	Swelling and Dissolving process of cellulose in inorganic salt solution	Kayoko Kobayashi	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
2022A1489	Structural analysis and observation of structural phase transitions in novel iron-based layered perovskites with ferromagnetism and polar symmetry	Hirofumi Akamatsu	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
2022A1491	Direct Observation of Chiral Phonons of NiTe2 by Inelastic X-ray Scattering	Jiawang Hong	Beijing Institute of Technology	China	Foreign	Materials Science and Engineering	14.875	BL35XU	Np
2022A1493	Structure-magnetism relationship on 3d-4d complex perovskite oxides	Ikuya Yamada	Osaka Metropolitan University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
2022A1494	Elucidation of Martian nitrogen-cycle and evolution based on the N-XANES analysis of Martian meteorites and analog samples.	Mizuho Koike	Hiroshima University	Japan	Educational Organization	Earth and Planetary Science	12	BL27SU	Np
2022A1495	In-situ powder diffraction and structural change under oxygen absorption and desorption processes in layered manganese oxides with oxygen storage properties	Hiroki Ishibashi	Osaka Metropolitan University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
2022A1496	Mechanism of deep earthquakes occurring at the mantle transition zone: insight from the direct observation of the ultra-high-pressure faulting using rotational diamond anvil cell	Keishi Okazaki	Hiroshima University	Japan	Educational Organization	Earth and Planetary Science	18	BL47XU	Np
2022A1497	HAXPES measurement of hydrogen adsorption and desorption from a Vanadium thin film coated with Pd film.	Yasumasa Takagi	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	5.5	BL09XU	Np
2022A1499	Study on the mechanism of fast charge and discharge for polyanion- compound cathodes for multivalent ion batteries using dual-salt electrolytes	Katsuhiko Naoi	Tokyo University of Agriculture and Technology	Japan	Educational Organization	Chemical Science	12	BL01B1	Np
2022A1500	Insitu Structural investigation of guest-induced structural transitions in a flexible porous-coordination-polymer with radical moieties	Susumu Kitagawa	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	9	BL02B1	Np
2022A1501	Absorption and Permeation Behaviors of Carbon Dioxide Molecules to Polymer Thin Films	Ken Kojio	Kyushu University	Japan	Educational Organization	Chemical Science	6	BL05XU	Np
2022A1502	Studies on absorption and distribution of cesium in small intestine	Haruko Yakumaru	National Institutes for Quantum Science and Technology	Japan	National and Nonprofit Organization	Medical Applications	6	BL37XU	Np
2022A1503	In-situ 4D observation of partial melting and surface recrystallization of paraffin in rubber to elucidate the mechanism of blooming phenomenon	Noboru Osaka	Okayama University of Science	Japan	Educational Organization	Materials Science and Engineering	6	BL47XU	Np
2022A1505	Infrared Spectroscopy of Polymer Materials under Humidified and Stretching Condition	Yuka Ikemoto	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Chemical Science	4	BL43IR	Np
2022A1507	Understanding of interaction between clay minerals and adsorbed ions by HERFD-XANES for Cs and REE ions	Yoshio Takahashi	The University of Tokyo	Japan	Educational Organization	Environmental Science	5.375	BL39XU	Np
2022A1509	Analysis of IR Vibration Modes Depending on Sample Form of Oxide Glasses		National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Materials Science and Engineering	2	BL43IR	Np
2022A1510	Degradation Mechanism of Iron Ore Pellet Reduced by Hydrogen for Zero- Carbon Ironmaking	Taichi Murakami	Tohoku University	Japan	Educational Organization	Industrial Applications	6	BL28B2	Np
2022A1514	4f ground-state symmetry in the heavy fermion valence fluctuated compound $YbAl_3$ probed by polarization dependence of resonant x-ray emission spectra	Kojiro Mimura	Osaka Metropolitan University	Japan	Educational Organization	Materials Science and Engineering	12	BL39XU	Np
2022A1515	Crystal structure and superconductivity of alkaline earth metals calcium under low temperature and high pressure	Yuki Nakamoto	Osaka University	Japan		Materials Science and Engineering	9	BL10XU	Np
		NumberPerformed Proposal Title2022A1486Structural analysis of metal atoms encapsulated in a zero-dimensional silicon cage2022A1487Swelling and Dissolving process of cellulose in inorganic salt solution2022A1489Structural analysis and observation of structural phase transitions in novel iron-based layered perovskites with ferromagnetism and polar symmetry2022A1491Direct Observation of Chiral Phonons of NITe2 by Inelastic X-ray Scattering2022A1493Structure-magnetism relationship on 3d-4d complex perovskite oxides2022A1494Elucidation of Martian nitrogen-cycle and evolution based on the N-XANES analysis of Martian meteorites and analog samples.2022A1495In-situ powder diffraction and structural change under oxygen absorption and desorption processes in layered manganese oxides with oxygen storage properties2022A1496Mechanism of deep earthquakes occurring at the mantle transition zone: insight from the direct observation of the ultra-high-pressure faulting using rotational diamond anvil 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S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non- proprietary(Np)
322	2022A1516	Relation between Ce 4f-5d Coulomb Repulsion and Orbital Symmetry in Quantum Critical Phenomena of Ce122 was Revealed by Polarization Dependent Resonant Hard X-ray Photoemission Spectroscopy	Kojiro Mimura	Osaka Metropolitan University	Japan	Educational Organization	Materials Science and Engineering	12	BL09XU	Np
323	2022A1517	Investigation of correlation between the valence state of Yb-ion and emergence of superconducting state in Yb-based caged compounds	Tatsuma Matsuda	Tokyo Metropolitan University	Japan	Educational Organization	Materials Science and Engineering	9	BL01B1	Np
324	2022A1518	Anomalous Coulomb interaction between Yb 4f–5d electron in the valence fluctuating system alpha–Yb(Al1-x,Fex)B4 near the quantum critical point	Kentaro Kuga	Toyota Technological Institute	Japan	Educational Organization	Materials Science and Engineering	9	BL09XU	Np
325	2022A1519	Phase relation and elastic property of Ni2(Si,P) phases under high pressure	Yoichi Nakajima	Kumamoto University	Japan	Educational Organization	Earth and Planetary Science	6	BL10XU	Np
326	2022A1520	Thickness dependence and polarization reversal effect of ferroelectric skewed band structure in ferroelectric BaTiO3 thin films	Jun Kano	Okayama University	Japan	Educational Organization	Materials Science and Engineering	9	BL09XU	Np
327	2022A1521	Structural Analysis of Polyrotaxane Glass Films under Bulge Testing	Kazuaki Kato	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	6	BL40XU	Np
328	2022A1524	SAXS analysis and crystal evaluation of DNA-nanoparticle superlattices: crystallization process optimization with nucleation and sedimentation control for high quality crystals	Miho Tagawa	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
329	2022A1526	Development of new methodology for study on the electronic states using non-electric dipole transitions by X-ray emission spectrometer equipped with multi-analyzer crystals (III)	Naomi Kawamura	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	14.625	BL39XU	Np
330	2022A1527	Exploration of topological band structures in Fe based ferromagnetic alloy films utilizing UHV suitcase	Akio Kimura	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	17.875	BL25SU	Np
331	2022A1530	Charge density wave in KV3Sb5 from inelastic X-ray scattering	Xueyun Wang	Beijing Institute of Technology	China	Foreign	Materials Science and Engineering	11.875	BL43LXU	Np
332	2022A1531	Technical development for deformation experiment under the whole mantle pressure using D111 type multianvil apparatus equipped with a 6-8-2 type cell assembly.	Takehiro Kunimoto	Ehime University	Japan	Educational Organization	Earth and Planetary Science	12	BL04B1	Np
333	2022A1532	Study on water tolerance of (Ta6-xNbx)O19 base catalysts by time-resolved QXAFS	Seiji Yamazoe	Tokyo Metropolitan University	Japan	Educational Organization	Chemical Science	9	BL01B1	Np
334	2022A1533	High Resolution IR Imaging of the Water State of Hydrophilic Polymer Gel in Moisture Absorption and Drying Process	Yoshihisa Fujii	Mie University	Japan	Educational Organization	Chemical Science	3	BL43IR	Np
335	2022A1534	Non-uniform behaviors of muscle length changes and corresponding cross- bridge movements in vivo	Atsuki Fukutani	Ritsumeikan University	Japan	Educational Organization	Life Science	9	BL40XU	Np
336	2022A1535	Elucidation of activation and degradation mechanisms of polymer electrolyte water catalysts by X-ray emission spectroscopy (1)	Tomoki Uchiyama	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL27SU	Np
337	2022A1538	Toughening of Biodegradable polymer induced by nanovoid formation during deformation	Takahiko Kawai	Gunma University	Japan	Educational Organization	Materials Science and Engineering	2.25	BL05XU	Np
338	2022A1542	Crystal structure transition and electric property transformation of honeycomb structure Iridates under high pressure and low temperature	Jinlong Zhu	Southern University of Science and Technology	China	Foreign	Materials Science and Engineering	12	BL10XU	Np
339	2022A1544	Observation of local structural changes in half-Heusler-type thermoelectric materials by powder X-ray diffraction and development of control methods	Hidetoshi Miyazaki	Nagoya Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
340	2022A1545	Local Structural Analysis around the Group V element in Low-temperature- grown GaAsBi using X-ray Fluorescence Holography	Yoriko Tominaga	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	9	BL47XU	Np
341	2022A1546	Investigation of the phase stability mechanism of LPSO-type Mg-Y-Zn alloys by hard x-ray photoemission spectroscopy	Hidetoshi Miyazaki	Nagoya Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	9	BL46XU	Np

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		Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non- proprietary(Np)
22A1549	Crystal structure analysis of novel amorphous nanomaterials prepared by cryomilling at altitude using high-energy X-ray diffraction measurements	Hidetoshi Miyazaki	Nagoya Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	6	BL04B2	Np
22A1550	Surface-bulk separation of Ca2-xSrxRuO4 in lightly doped region by means of AR-HAXPES	Daiki Ootsuki	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	9	BL09XU	Np
22A1551	Study on advanced crystalline sponge method by crystallization plate measurement using synchrotron X-rays	Sota Sato	The University of Tokyo	Japan	Educational Organization	Chemical Science	9	BL26B1	Np
22A1552	Empirical elucidation of solidification process of multi-phase high entropy alloys -AI, Cu substituted Cantor alloys as model cases	Ryoji Katsube	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	9	BL20B2	Np
22A1553	High-pressure in-situ analysis of crystal structure and chemical bonding of novel nitrides synthesized on oxide substrate under ultra-high pressure	Ken Niwa	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	5.875	BL10XU	Np
22A1555	Elucidation of Activation and Degradation Mechanisms of Polymer Electrolyte Water Catalysts by Total X-ray Scattering and PDF Analysis (1)	Tomoki Uchiyama	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL04B2	Np
22A1556	Analysis on the evolution of vertebrate heads through micro-CT-based three- dimensional morphology and histology of extant vertebrates	Tatsuya Hirasawa	The University of Tokyo	Japan	Educational Organization	Life Science	6	BL20B2	Np
22A1559	Mechanistic Study on Mechanochemical Solid-Phase Organic Reactions: Structural Investigation of Organomagnesium Species in Mechanochemical Grignard Reaction by Means of Soft X-ray XAFS	Hikaru Takaya	TEIKYO University of Science	Japan	Educational Organization	Chemical Science	6	BL27SU	Np
22A1561	Analytical study of the structural effect caused by the molecular adsorption into the 1D channel of X-shaped indanedione dimer-based host crystals	Yumi Yakiyama	Osaka University	Japan	Educational Organization	Chemical Science	6	BL02B2	Np
22A1562	Evaluation of non-equilibrium molecular aggregate states of amorphous polymers using in situ PDF method under tension	Asae Ito	Kanazawa University	Japan	Educational Organization	Materials Science and Engineering	9	BL08W	Np
22A1565	High-energy propagation-based phase-contrast X-ray imaging of biological samples with highly absorbing exterior	Ilian Haggmark	The University of Tokyo	Japan	Educational Organization	Medical Applications	6	BL20B2	Np
22A1566	Extreme static pressure generation above 500 GPa	Takeshi Sakai	Ehime University	Japan	Educational Organization	Earth and Planetary Science	12	BL10XU	Np
22A1567	Clarification of contributions of electron doping and 6s2 lone pair to the pressure induced phase transition of PbVO3		Kanagawa Institute of Industrial Science and Technology	Japan	National and Nonprofit Organization	Materials Science and Engineering	9	BL10XU	Np
22A1570	Structural Analysis of Micelle Formed by Novel Phosphate Ester-type Amino Acid-Based Surfactant in Aqueous Solution	Tomokazu Yoshimura	Nara Women's University	Japan	Educational Organization	Materials Science and Engineering	3	BL40B2	Np
22A1571	Porous soil macro-aggregate characterization for the reduction of greenhouse gas emission	Rota Wadai	National Agriculture and Food Research Organization	Japan	National and Nonprofit Organization	Environmental Science	6	BL20B2	Np
22A1572	Study on advanced crystalline sponge method by serial crystallography using high-flux synchrotron X-rays	Sota Sato	The University of Tokyo	Japan	Educational Organization	Chemical Science	7.875	BL45XU	Np
22A1573	Precise structural determination of CuX1X2-type ternary semiconductor cluster surrounded by S-donating metalloligands using anomalous scattering	Nobuto Yoshinari	Osaka University	Japan	Educational Organization	Chemical Science	3	BL02B1	Np
22A1575	Understanding the electronic structure of layered semiconductor/metal contact interfaces			Japan	National and Nonprofit Organization	Materials Science and Engineering	9	BL09XU	Np
22A1578	Structural elucidation of the hydrated potassium superionic conductor in the amorphous pellet form using synchrotron X-ray diffraction analysis	Nobuto Yoshinari	Osaka University	Japan	Educational Organization	Chemical Science	3	BL02B2	Np
22A1579	Temperature dependence of the chemical potential shift in the high-Tc cuprate superconductor La ₂ -xSr _x CuO ₄	Teppei Yoshida	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	9	BL09XU	Np
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S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non proprietary(Np)
362	2022A1580	Structural Investigation of gas adsorption processes of flexible porous coordination polymers exhibiting cycle-dependent sorption property with electron donor ligands based on TTF	Susumu Kitagawa	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	9	BL02B2	Np
363	2022A1581	Cardiac microstructure analysis of American lobster by phase-contrast CT	Satoshi Mohri	Kawasaki Medical School	Japan	Educational Organization	Life Science	6	BL20B2	Np
364	2022A1583	Ligand Induced Structural Changes in Au Clusters.	Ryo Takahata	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL01B1	Np
365	2022A1584	X-Ray Structural Analysis for Microcrystals of $d-\pi$ Electron Systems Containing Heavier Main Group Elements	Shogo Morisako	University of Tsukuba	Japan	Educational Organization	Chemical Science	3	BL02B1	Np
366	2022A1585	Charge-discharge operando Distribution analysis of constituent element on cross-sectional ceramic-type all-solid-state battery	Takeshi Kobayashi	Central Research Institute of Electric Power Industry	Japan	National and Nonprofit Organization	Chemical Science	15	BL27SU	Np
367	2022A1587	Exploration of new polar metals with LiNbO3-type structure	Koji Fujita	Kyoto University	Japan		Materials Science and Engineering	3	BL02B2	Np
368	2022A1590	Precise Crystal Structure Analysis of Reversible Melting and Freezing Behaviors of Cubic Ice in Crystalline Nanospace	Tatsuhiro Kojima	Osaka University	Japan	Educational Organization	Chemical Science	3	BL02B1	Np
369	2022A1591	Voltage-applied hard X-ray photoelectron spectroscopy study on the electric field-induced interface dipole modulation of hetero-oxide interface	Hiroshi Nohira	Tokyo City University	Japan		Materials Science and Engineering	6	BL09XU	Np
370	2022A1592	Precise Crystal Structure Analysis of Reversible Melting and Freezing Behaviors of Cubic Ice in Crystalline Nanospace	Tatsuhiro Kojima	Osaka University	Japan	Educational Organization	Chemical Science	3	BL02B2	Np
371	2022A1595	Magnetic structure imaging of chiral magnet Fe2-xPdxMo3N and Co2- xPdxMo3N epitaxial thin film	Takahiro Ito	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	9	BL25SU	Np
372	2022A1598	In-situ analysis on change in dislocation density during tensile deformation of heat trated 3D additive manufactured Hastelly X and Inconel 738 Ni alloy	Shiro Torizuka	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	3	BL13XU	Np
373	2022A1599	Ultra-fast imaging experiments for in-situ observation of pulse laser processing	Yasunaga Nara	Hamamatsu Photonics K.K.	Japan	Industry	Industrial Applications	15	BL40XU	Np
374	2022A1600	Photo-physical properties of chiral discotic liquid crystalline molecules	Kosuke Kaneko	Ritsumeikan University	Japan		Materials Science and Engineering	6	BL40B2	Np
375	2022A1603	Deformation experiments of akimotoite under the conditions of lower mantle transition zone slab	Yumiko Tsubokawa	Kyushu University	Japan	Educational Organization	Earth and Planetary Science	9	BL04B1	Np
376	2022A1606	Accurate measurement of volume and lattice constant by 4D-CT and XRD and application to a massive-like transformation	Hideyuki Yasuda	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	9	BL47XU	Np
377	2022A1608	Soft x-ray absorption spectroscopic analysis of C-type asteroid samples at BL27SU	Hikaru Yabuta	Hiroshima University	Japan	Educational Organization	Earth and Planetary Science	18	BL27SU	Np
378	2022A1610	Magnetic octupole in the 5d ² electron system Ba ₂ CaOsO ₆ studied by x-ray magnetic circular dichroism	Goro Shibata	Japan Atomic Energy Agency	Japan	National and Nonprofit Organization	Materials Science and Engineering	9	BL39XU	Np
379	2022A1611	Time-resolved in-situ observation of rapid convection in a melt-pool formed by laser irradiation	Kohei Morishita	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	8.625	BL47XU	Np
380	2022A1612	Observation of fluctuated dendrite structures by time-resolved tomography using multilayer reflection	Hideyuki Yasuda	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	9	BL20B2	Np
381	2022A1613	Integrating mass spectrometry based multimodal molecular imaging for the morphological and structural studies of senile plaques in Alzheimer's disease (AD) brains	Masaya Ikegawa	Doshisha University	Japan		Medical Applications	8.875	BL20B2	Np

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382	2022A1614	In situ observation of anisotropic growth and self-assembly process of nanoparticles in liquid phase	Masaki Saruyama	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	3	BL40B2	Np
383	2022A1616	Structure and electronic state analyses of Ti Perovskite-type oxides and their acid-base property	Takeshi Aihara	Tokyo Institute of Technology	Japan	Educational Organization	Chemical Science	2.875	BL01B1	Np
384	2022A1617	Elucidation of the film thickness-dependent mechanism of polarization of the ferroelectric semiconductor AIScN by voltage-applied HAXPES	Hiroshi Nohira	Tokyo City University	Japan	Educational Organization	Materials Science and Engineering	5.75	BL09XU	Np
385	2022A1621	X-Ray Structural Analysis for Microcrystals of Novel Highly Reactive Spices Containing Main Group Elements	Mariko Yukimoto	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL02B1	Np
386	2022A1622	The study of Sm compounds by means of resonant hard X-ray spectroscopies using polarized incident photon	Norimasa Sasabe	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL09XU	Np
387	2022A1623	Structure Analysis of Vesicle Consist of Anionic surfactant and Cationic Surfactant	Shiho Yada	Nara Women's University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
388	2022A1627	Elucidation of active sites of metal nanoparticle – polyoxometalate composite catalysts by using combined operando XAS-DRIFTS measurement	Soichi Kikkawa	Tokyo Metropolitan University	Japan	Educational Organization	Chemical Science	9	BL01B1	Np
389	2022A1628	Band structure of mixed valence tin oxide photocatalyst using hard x-ray photoelectron microscopy	toyokazu tanabe	National Defense Academy of Japan	Japan	Educational Organization	Materials Science and Engineering	3	BL46XU	Np
390	2022A1630	Analysis of chemical structural change of vulcanized polyolefin rubber during thermal aging by using XANES/EXAFS	Yohei Nakanishi	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	9	BL27SU	Np
391	2022A1633	Determination of Ga substitution site and substitution amount in Ga-added Nd-Fe-B based sintered magnet	Yoshinori Fujikawa	TDK Corporation	Japan	Industry	Industrial Applications	6	BL40XU	Np
392	2022A1642	Time-resolved and in-situ observation of solidification in Cu-Sn Alloys	Tomohiro Nishimura	Kobe Steel, Ltd.	Japan	Industry	Industrial Applications	9	BL20B2	Np
393	2022A1644	Observation of Chemical State in ferric orthophosphate coating by Soft X-ray emission spectroscopic analysis.	Hidekazu Fukushi	Nihon Parkerizing Co., Ltd.	Japan	Industry	Industrial Applications	9	BL27SU	Np
394	2022A1645	In-situ observation of dendrtite fragmentation of copper alloys using high resolution observation	Kohei Komori	Kobe Steel, Ltd.	Japan	Industry	Industrial Applications	9	BL20B2	Np
395	2022A1647	Secondary structure analysis of proteins in hair using infrared microspectroscopy.	Atsushi Baba	Milbon Co., Ltd.	Japan	Industry	Industrial Applications	18	BL43IR	Np
396	2022A1649	Analysis of the interface between electrode and solid electrolyte	Yasutoshi Iriyama	Nagoya University	Japan	Educational Organization	Industrial Applications	18	BL46XU	Np
397	2022A1650	Study on effect of moisturizer based upon the structural modification of stratum comeum with its application 4—Verification of synergistic effect by combining moisturizers—	Kenji Murashima	SAKAMOTO YAKUHIN KOGYO CO., LTD	Japan	Industry	Industrial Applications	6	BL40B2	Np
398	2022A1651	Start-up study of new adjustment system for optical equipment in BL46XU	Satoshi Yasuno	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Industrial Applications	9	BL46XU	Np
399	2022A1652	Investigation of morphological changes mechanism of doxorubicin-loaded liposome depending on temperature by in situ USAXS	Kenjirou Higashi	Chiba University	Japan	Educational Organization	Industrial Applications	3	BL19B2	Np
400	2022A1653	Establishment of vapor deposition condition of thin film with good conductivity to enable to investigate chemical structure of organic insulating material by PEEM	Tomoya Taji	JSR Corporation	Japan	Industry	Industrial Applications	12	BL17SU	Np
401	2022A1654	Formulation of Guidelines for Increasing the Efficiency of Inorganic Perovskite Solar Cells	Naoyuki Shibayama	Toin University of Yokohama	Japan	Educational Organization	Industrial Applications	6	BL19B2	Np

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402	2022A1655	Characterization of oxide film on Ni-Cr-Fe based alloy using angle-resolved hard X-ray photoemission spectroscopy	Katsuhiro Nishihara	Nippon Steel Corporation	Japan	Industry	Industrial Applications	12	BL09XU	Np
403	2022A1656	Development of non-fullerene acceptors for high-efficiency organic solar cells	Itaru Osaka	Hiroshima University	Japan	Educational Organization	Industrial Applications	4	BL13XU	Np
404	2022A1657	Studies of maturation effect on the surface of a Si-based negative electrode for Li-ion batteries and electrochemically formed passivation layer by hard-X- ray photoelectron spectroscopy; part 2	Shinichi Komaba	Tokyo University of Science	Japan	Educational Organization	Industrial Applications	11.625	BL46XU	Np
405	2022A1658	Non-destructive analysis of the electrical treeing in high-voltage cables	Keisuke Itoh	Industrial Technology Institute, Miyagi Prefectural Government	Japan	National and Nonprofit Organization	Industrial Applications	6	BL20B2	Np
406	2022A1661	Small-angle and ultra-small-angle synchrotron radiation scattering measurements of Japanese sake to clarify the correlation between nano-level structure and flavor	Kiyoshi Kanie	Tohoku University	Japan	Educational Organization	Industrial Applications	3	BL19B2	Np
407	2022A1662	Investigation of effect of cementitious materials' deterioration on fracture behavior in demolition	Hayato Takahashi	Tokyo University of Science	Japan	Educational Organization	Industrial Applications	11.875	BL28B2	Np
408	2022A1663	Analysis for electronic and local structures in perovskite-type oxyfluoride cathode materials with fluoride ion intercalation/deintercalation(2)	Tomoki Uchiyama	Kyoto University	Japan	Educational Organization	Industrial Applications	12	BL14B2	Np
409	2022A1664	SAXS studies on mesoscopic structure and its dynamics of starch in rice.	Chie Ohmoto	Ajinomoto Co., Inc.	Japan	Industry	Industrial Applications	6	BL05XU	Np
410	2022A1665	Operand Structural Analysis of Electrolytes in Lithium lon Battery using Total X-ray Scattering	Tomoaki Takai	SOKEN,INC.	Japan	Industry	Industrial Applications	6	BL08W	Np
411	2022A1666	Local structure analysis of ion conductive coordination polymer crystals and glasses	Kazuki Takahashi	DENSO CORPORATION	Japan	Industry	Industrial Applications	2	BL14B2	Np
412	2022A1669	In-situ XAFS analysis of Ir-doped MnO2 catalysts for the water-splitting reaction: Part 2	Kiyohiro Adachi	RIKEN	Japan	National and Nonprofit Organization	Industrial Applications	12	BL14B2	Np
413	2022A1672	Hard X-ray Photoelectron Spectroscopic study of Iron in Acqueous-solution Environments(2)	Takashi Doi	Nippon Steel Corporation	Japan	Industry	Industrial Applications	15	BL09XU	Np
414	2022A1677	Interfacial Analysis of Liquid Crystals / Liquid Crystal Alignment Film with Hard X-ray Photoelectron Spectroscopy	Hisao Kiuchi	The University of Tokyo	Japan	Educational Organization	Industrial Applications	15	BL09XU	Np
415	2022A1744	Diffuse scattering and high pressure research based on high energy single crystal X-ray diffraction	Eiji Nishibori	University of Tsukuba	Japan	Educational Organization	Materials Science and Engineering	24	BL02B1	Np
416	2022A1745	Technical development for the generation of P-T in the Kawai-type multianvil apparatus and the investigation of pressure calibrants above 30 GPa	Daisuke Yamazaki	Okayama University	Japan	Educational Organization	Earth and Planetary Science	9	BL04B1	Np
417	2022A1746	Effect of premelting on seismic attenuation by short period cyclic loading part2	Takashi Yoshino	Okayama University	Japan	Educational Organization	Earth and Planetary Science	14.625	BL04B1	Np
418	2022A1747	Synthesis and Physical Properties of High-Temperature Superconducting Hydride Systems II	Katsuya Shimizu	Osaka University	Japan	Educational Organization	Materials Science and Engineering	17.875	BL10XU	Np
419	2022A1748	Development of high-pressure viscosity measurement of low viscous liquids using high-speed X-ray imaging	Yoshio Kono	Ehime University	Japan	Educational Organization	Earth and Planetary Science	9	BL04B1	Np
420	2022A1749	Deformation of peridotite under the conditions of subducting slabs: in-situ high-speed stress/strain measurements and implications for the process triggering the occurrence of intraslab earthquakes	Tomohiro Ohuchi	Ehime University	Japan	Educational Organization	Earth and Planetary Science	12	BL04B1	Np
421	2022A1750	Constraint on seismic signature of partial melts in mantle rocks by combined time-resolved sound velocity and X-ray measurements at high pressure and high temperature	Steeve Greaux	Ehime University	Japan	Educational Organization	Earth and Planetary Science	12	BL04B1	Np

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422	2022A1751	Real-space observation of orbital electrons using high-energy X-rays	Shunsuke Kitou	RIKEN	Japan	National and Nonprofit Organization	Materials Science and Engineering	12	BL02B1	Np
423	2022A1752	Development of low-frequency X-ray chopper and time-resolved X-ray structure analysis on dynamics of fluctured ferroelectrics	Yoshihiro Kuroiwa	Hiroshima University	Japan		Materials Science and Engineering	13.625	BL02B1	Np
424	2022A1753	Brittle-plastic transition and dehydration embrittlement in lawsonite at high pressures	Tomoaki Kubo	Kyushu University	Japan	Educational Organization	Earth and Planetary Science	15	BL04B1	Np
425	2022A1767	In situ local structure analysis of highly reactive nickel(III) complexes using variable temperature XAS measurement system	Yuta Uetake	Osaka University	Japan	Educational Organization	Industrial Applications	6	BL14B2	Np
426	2022A1768	In situ XAFS of nucleation process in Li2O-Al2O3-SiO2 glass	Takato Kajihara	AGC Inc.	Japan	Industry	Industrial Applications	6	BL14B2	Np
427	2022A1769	Analysis of local structure of metals in carbon materials with controlled atomic arrangement containing metal-Nx sites	Jun Maruyama	Osaka Research Institute of Industrial Science and Technology	Japan	National and Nonprofit Organization	Industrial Applications	3	BL14B2	Np
428	2022A1770*	Investigation of Rate Dependence, Electrochemical performance, and Average, Local and Electronic Structure of 0.5Li2MnO3-0.5Li(MnxNiyCoz)O2.	Yasushi Idemoto	Tokyo University of Science	Japan	Educational Organization	Industrial Applications	6	BL19B2	Np
429	2022A1771	Change of electronic and local structures during discharge/charge cycles in MgCo2-xMnxO4-Mg(Mg0.33V1.67-yNiy)O4-based solid solution as cathode material for magnesium rechargeable battery	Yasushi Idemoto	Tokyo University of Science	Japan		Industrial Applications	3	BL14B2	Np
430	2022A1772	Estimation of structure-durability relationship of multimetallic catalysts for deoxygenation of biomass-derived polymeric chemicals	Tomoo Mizugaki	Osaka University	Japan	Educational Organization	Industrial Applications	6	BL14B2	Np
431	2022A1773	Operando structure analysis of water electrolysis catalysts by XRD technique (1)	Tomoki Uchiyama	Kyoto University	Japan	Educational Organization	Industrial Applications	6	BL19B2	Np
432	2022A1774	Start-up study of new manipulator for hard X-ray photoelectron spectroscopy system	Satoshi Yasuno	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Industrial Applications	9	BL46XU	Np
433	2022A1775	Evaluation of negative thermal expansion property of BiNi1-xFexO3 by commercial production VIII	Masaki Azuma	Tokyo Institute of Technology	Japan	Educational Organization	Industrial Applications	6	BL19B2	Np
434	2022A1776	Investigation of the structure-stability relationship and the mechanism of the electrodeposition synthesis process of noble-metal-free water-splitting catalysts by in-situ XAFS experiments	Kiyohiro Adachi	RIKEN	Japan	National and Nonprofit Organization	Industrial Applications	5.875	i BL14B2	Np
435	2022A1777	Photostability test of perovskite crystals	Naoyuki Shibayama	Toin University of Yokohama	Japan	Educational Organization	Industrial Applications	6	BL19B2	Np
436	2022A1778	Analysis of interfacial bond between high-performance transparent conducting films and other materials by HAXPES measurement	Junichi Nomoto	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Industrial Applications	9	BL46XU	Np
437	2022A1779	Analysis of adhesive interface between thermosetting resin and metal in wire bonding of electronic materials	Yasuyuki Shudo	Sumitomo Bakelite Co., Ltd.	Japan	Industry	Industrial Applications	9	BL46XU	Np
438	2022A1780	Installation of a bimorph mirror that can horizontally focus X-ray beam to enhance the photoelectron intensity	Okkyun Seo	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Industrial Applications	12	BL46XU	Np
439	2022A1781	Investigation of structural degradation mechanism with O2 desorption in Li- excess layered cathode material Li2MnO3	Toshiyuki Matsunaga	Kyoto University	Japan		Industrial Applications	3	BL19B2	Np
440	2022A1782	Microstructure analysis in Fe and Co based catalysts for enhancement of CO2 direct Fischer–Tropsch synthesis activity and selectivity	Keigo Tashiro	Seikei Gakuen	Japan	Educational Organization	Industrial Applications	6	BL14B2	Np
441	2022A1783	Analysis on the internal structure of the diamond like carbon for the application of the semiconductor processing	Tadashi Mitsunari	Tokyo Electron Technology Solutions Limited.	Japan	Industry	Industrial Applications	9	BL19B2	Np

* SPring-8 Research Proposals in Complementary Use with SACLA, J-PARC/MLF or HPCI including the K computer / the supercomputer Fugaku

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442	2022A1792	Synchrotron X-ray CT analysis of Japanese swords (fire damaged swords) made in the Kamakura period to clarify their inner structures and making techniques	Manako Tanaka	Showa Women's University	Japan	Educational Organization	Other	15	BL28B2	Np
443	2022A1793	Morphometric analysis of the neurocranium and brain in Oarfish using X-ray imaging	Tetsuya Koide	TEIKYO University of Science	Japan	Educational Organization	Life Science	6	BL28B2	Np
444	2022A1796	Feasibility study of high-energy X-ray microtomography using high-energy X- rays over 200keV	Masato Hoshino	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Beamline Engineering	12	BL28B2	Np
445	2022A1811	XAFS study of Pd catalyst for ethanol dehydration-hydrogenation reaction to reduce hydrogen in CO2 methanation product gas(1)	Tomoki Uchiyama	Kyoto University	Japan	Educational Organization	Industrial Applications	12	BL14B2	Np
446	2022A1813	Analyses of the coordination environment of coordination polymers obtained from Ln-ion doped ionic liquids	Hiroyasu Tabe	Kyoto University	Japan	Educational Organization	Chemical Science	2	BL14B2	Np
447	2022A1814	Particle distributions of precious metal nanoparticles in solution fabricated by solution plasma method without dispersants	Junji Inukai	University of Yamanashi	Japan	Educational Organization	Industrial Applications	1	BL19B2	Np
448	2022A1816	Development of DAFS measurement system for SixGe1-x thin film on Ge substrate	Takeshi Watanabe	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Industrial Applications	9	BL19B2	Np
449	2022A1820	Activation and degradation mechanisms of polymer electrolyte water catalysts by hard x-ray photoelectron spectroscopy (1)	Tomoki Uchiyama	Kyoto University	Japan	Educational Organization	Chemical Science	3	BL46XU	Np
450	2022A1821	Studies on crystal structure change of iron-based perovskite-related oxide cathode during fluoride ion insertion/extraction reaction	Kentaro Yamamoto	Nara Women's University	Japan	Educational Organization	Chemical Science	6	BL19B2	Np
451	2022A1822	Investigation of crystallization process of inorganic perovskite crystals	Naoyuki Shibayama	Toin University of Yokohama	Japan	Educational Organization	Industrial Applications	2	BL19B2	Np
452	2022A1824	Elucidation of Phase Behavior of Polyoxyethylene Secondary Alkyl Ether Surfactants by SAXS (5)Effects of Structure of Hydrophilic Group	Tomokazu Yoshimura	Nara Women's University	Japan	Educational Organization	Materials Science and Engineering	9	BL19B2	Np
453	2022A1825	Analysis of local structure of metal adsorbents by XAFS (2)	Masaru ENDO	Daicel Corporation	Japan	Industry	Industrial Applications	3	BL14B2	Np
454	2022A1826*	Analysis of structural change of polymer surfactant food additives by digestive enzyme	Junya Kobayashi	Taiyo Kagaku Co., Ltd.	Japan	Industry	Industrial Applications	3	BL19B2	Np
455	2022A2528	Development of room-temperature measurement and various structure analysis for protein crystals using synchrotron radiation	Seiki Baba	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Life Science	17.625	PX-BL (BL26B1)	Np
456	2022A2530	Structural analysis of membrane active transporters	Kazuhiro Abe	Nagoya University	Japan	Educational Organization	Life Science	15	PX-BL (EM01CT)	Np
457	2022A2531	Structural basis of flavohemoglobin from Candida norvegensis	Jotaro Igarashi	Fukushima Medical University	Japan	Educational Organization	Life Science	0.5	PX-BL (BL45XU)	Np
458	2022A2533	Charge-density analysis of DNA crystals using synchrotron X-ray data at ultra- high resolution	Kazuki Takeda	Kyoto University	Japan	Educational Organization	Life Science	1.5	PX-BL (BL41XU)	Np
459	2022A2534	Crystal Structure Analysis of Building Block Proteins and Protein Supramolecular Nanostructures Based on 3D Domain Swapping	Shun Hirota	Nara Institute of Science and Technology	Japan	Educational Organization	Life Science	0.25	PX-BL (BL45XU)	Np
460	2022A2536	Structural determination of microtubule minus-end binding protein.	Tsuyoshi Imasaki	Kobe University	Japan	Educational Organization	Life Science	18	PX-BL (EM01CT)	Np
461	2022A2537	Structure analysis of an enzyme for a simple disposable aldehyde-sensor	Makoto Nakabayashi	Osaka Ohtani University	Japan	Educational Organization	Life Science	1	PX-BL (BL41XU)	Np

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462	2022A2541	X-ray diffraction and cryoTEM to study the structures of protein aggregates produced by precipitant reagent	Masayoshi Nakasako	Keio University	Japan	Educational Organization	Life Science	12	PX-BL (EM01CT, EM02CT)	Np
463	2022A2542	Structural basis of molecular signaling for the epilepsy-related ligand-receptor complex LGI1-ADAM22 axis	Shuya Fukai	Kyoto University	Japan	Educational Organization	Life Science	10	PX-BL (BL45XU, EM01CT, EM02CT)	Np
464	2022A2543	Structural analysis of proteins involved in iron acquisition and transport system	Hiroshi Sugimoto	RIKEN	Japan	National and Nonprofit Organization	Life Science	27	PX-BL (BL45XU, BL32XU, EM01CT, EM02CT)	Np
465	2022A2545	Structural change of the oxygen-evolving complex involved in photosystem II accompanied by the S-state transition	Nobuo Kamiya	Osaka Metropolitan University	Japan	Educational Organization	Life Science	3	PX-BL (BL26B1)	Np
466	2022A2547	Study on dynamic structure and functional regulation of bifunctional proteins	Satoshi Nagao	University of Hyogo	Japan	Educational Organization	Life Science	12	PX-BL (BL38B1)	Np
467	2022A2548	Structural and functional analysis of CRISPR-Cas effector complex	Tomoyuki Numata	Kyushu University	Japan	Educational Organization	Life Science	38.5	PX-BL (BL45XU, EM01CT, EM02CT)	Np
468	2022A2553	Structural analysis of novel sulfotransferase	Takamasa Teramoto	Kyushu University	Japan	Educational Organization	Life Science	2.25	PX-BL (BL45XU)	Np
469	2022A2554	Structural analysis of Trypanosoma brucei GMP reductase in complex with adenine nucleotides by means of X-ray crystallography and cryo-electron microscopy	Takashi Inui	Osaka Prefecture University	Japan	Educational Organization	Life Science	2	PX-BL (BL26B1)	Np
470	2022A2556	Single crystal structure analysis of giant artificial protein molecules using synchrotron radiation X-ray	Sota Sato	The University of Tokyo	Japan	Educational Organization	Chemical Science	9	PX-BL (BL41XU)	Np
471	2022A2557	Co-crystal Structures of Flowering Repressor Protein with Synthetic Ligands	Kotaro Nishiyama	RIKEN	Japan	National and Nonprofit Organization	Life Science	1.75	PX-BL (BL45XU)	Np
472	2022A2559	Development of an experimental method for visualising enzymatic reaction induced by temperature shift.	Takaaki Fujiwara	Tohoku University	Japan	Educational Organization	Life Science	1	PX-BL (BL45XU)	Np
473	2022A2560	Development of new therapeutic agents for high-risk emerging re-emerging infectious diseases	Hironori Hayashi	Tohoku University	Japan	Educational Organization	Life Science	3	PX-BL (BL41XU)	Np
474	2022A2712	Alteration of peroxiredoxin assembly by chemical modification	Tomoki Himiyama	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Life Science	1.5	PX-BL (BL45XU)	Np
475	2022A2713	Conserved allostery buried in Complex IV	Yasunori Shintani	National Cerebral and Cardiovascular Center	Japan	National and Nonprofit Organization	Life Science	36	PX-BL (EM01CT)	Np
476	2022A2714	Understanding and controlling dynamic structures that produce oxygen- binding cooperativity using artificial myoglobin oligomers	Satoshi Nagao	University of Hyogo	Japan	Educational Organization	Life Science	2	PX-BL (BL41XU, BL45XU)	Np
477	2022A2715	Analysis of stereospecificity of class I aldolase and the bioindustrial application	Seiya Watanabe	Ehime University	Japan	Educational Organization	Life Science	3	PX-BL (BL45XU)	Np
478	2022A2716	Structure determination of ATPase complexes associated with peroxisome function	Dongqing Pan	Kyoto University	Japan	Educational Organization	Life Science	1	PX-BL (BL45XU)	Np
479	2022A2717	Structural and functional analysis for mineral transporters from crop plants	Michihiro Suga	Okayama University	Japan	Educational Organization	Life Science	13.75	PX-BL (BL41XU, BL45XU, EM01CT, EM02CT)	Np
480	2022A2718	Analysis of cold-adaptation and thermal stability mechanism for cold-adapted enzymes from psychrotrophic bacteria in Antarctic Ocean	Masaki Horitani	Saga University	Japan	Educational Organization	Life Science	10	PX-BL (BL26B1, BL41XU, BL45XU)	Np

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481	2022A2719	Structural analysis of substrate specificity of taste receptors	Atsuko Yamashita	Okayama University	Japan	Educational Organization	Life Science	3.75	PX-BL (BL41XU, BL32XU)	Np
482	2022A2720	Crystallographic Study of the Serotonin Receptors	Sheng Wang	Chinese Academy of Sciences	China	Foreign	Life Science	3	PX-BL (BL45XU)	Np
483	2022A2721	Structural elucidation of enzymes related to biodegradable polymer and plastic-degradation.	Min Fey Chek	Nara Institute of Science and Technology	Japan	Educational Organization	Life Science	2.5	PX-BL (BL45XU)	Np
484	2022A2722	To understand eukaryogenesis using structural biology	Robert Robinson	Okayama University	Japan	Educational Organization	Life Science	5.25	PX-BL (BL41XU)	Np
485	2022A2724	X-ray structural analyses of protein-complexes involved in the nitrogen fixation and its mater regulator protein.	Kei Wada	University of Miyazaki	Japan	Educational Organization	Life Science	1	PX-BL (BL41XU)	Np
486	2022A2725	Development of novel plant hormone receptor harboring the agonist-specific response	Kohji Murase	The University of Tokyo	Japan	Educational Organization	Life Science	1.25	PX-BL (BL41XU, BL45XU)	Np
487	2022A2726	Structural biology on phosphorylation-dependent activity regulation of plant FEN1	Takuji Oyama	University of Yamanashi	Japan	Educational Organization	Life Science	0.75	PX-BL (BL45XU)	Np
488	2022A2728*	Structural analysis of photosynthetic membrane protein supercomplexes by the combination of X-ray crystallography and cryo-electron microscopy	Jian-Ren Shen	Okayama University	Japan	Educational Organization	Life Science	56.5	PX-BL (BL41XU, EM01CT, EM02CT)	Np
489	2022A2729	"in crystallo" catalytic analysis using HAG method	Takeshi Murakawa	Osaka Medical and Pharmaceutical University	Japan	Educational Organization	Life Science	6.5	PX-BL (BL26B1, BL45XU)	Np
490	2022A2731	Elucidation of the molecular recognition mechanism on steroid X receptor	Shigeru Sugiyama	Kochi University	Japan	Educational Organization	Life Science	1.5	PX-BL (BL41XU)	Np
491	2022A2733	Structural basis of the molecular mechanism of T cell activity regulation by CD28 family molecules and SH2 domains	Nobutaka Numoto	Tokyo Medical and Dental University	Japan	Educational Organization	Life Science	0.5	PX-BL (BL45XU)	Np
492	2022A2734	Structural biology of Wnt signaling proteins activating cancer proliferative signal	Naoki Shibata	University of Hyogo	Japan	Educational Organization	Life Science	1.5	PX-BL (BL32XU)	Np
493	2022A2735	Development of a Rapid Structural Analysis Method for Protein Crystals	Satoshi Abe	Tokyo Institute of Technology	Japan	Educational Organization	Life Science	6	PX-BL (BL32XU)	Np
494	2022A2736	Crystallographic analysis of enzymes utilizing high-energy phosphate bonds	Masahiro Fujihashi	Osaka Medical and Pharmaceutical University	Japan	Educational Organization	Life Science	1.5	PX-BL (BL45XU)	Np
495	2022A2738	Structural analysis of the Sec translocon complex, thiosulfate/sugar transporters	Tomoya Tsukazaki	Nara Institute of Science and Technology	Japan	Educational Organization	Life Science	3	PX-BL (BL32XU)	Np
496	2022A2739	Structural principle of modification of fluorescence proteins toward long wavelength fluorescence emission	Katsumi Imada	Osaka University	Japan	Educational Organization	Life Science	1.5	PX-BL (BL41XU)	Np
497	2022A2740	Structural basis of the adhesion mechanism of Bacteroides	Katsumi Imada	Osaka University	Japan	Educational Organization	Life Science	3	PX-BL (BL41XU)	Np
498	2022A2743	Dynamic crystal structure analysis of CO2-fixing enzyme using freeze-trap and SWSX methods	Eiichi Mizohata	Osaka University	Japan	Educational Organization	Life Science	2	PX-BL (BL41XU)	Np
499	2022A2744	Elucidation of functions of food-related enzymes by X-ray analysis with freezing and nonfreezing crystals.	Bunzo Mikami	Kyoto University	Japan	Educational Organization	Life Science	12	PX-BL (BL26B1)	Np
500	2022A2745	Development of BL41XU for the time-resolved crystallography	Kazuya Hasegawa	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Life Science	24	PX-BL (BL41XU)	Np

S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non- proprietary(Np)
501	2022A2746	X-ray structural analysis of tight junction related membrane proteins	Shun Nakamura	Tokyo Medical and Dental University	Japan	Educational Organization	Life Science	1	PX-BL (BL45XU)	Np
502	2022A2747	Integrative structural biology of type IV pilus system in enteric bacterial pathogens	Shota Nakamura	Osaka University	Japan	Educational Organization	Life Science	16	PX-BL (BL26B1, BL45XU, EM01CT)	Np
503	2022A2748	Development of an experimental method for visualising enzymatic reaction induced by temperature shift.	Takaaki Fujiwara	Tohoku University	Japan	Educational Organization	Life Science	0.75	PX-BL (BL45XU)	Np
504	2022A2750	Structural analysis of USP15 in complex with its inhibitors	Yusuke Sato	Tottori University	Japan	Educational Organization	Life Science	4	PX-BL (BL32XU)	Np
505	2022A2751	I m56 from thermophilic archaea.	Akira Hirata	Tokushima University	Japan	Educational Organization	Life Science	3	PX-BL (BL26B1)	Np
506	2022A2752	Research and development to improve the performance of crystallization plate in situ diffraction measurement method	Hideo Okumura	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Life Science	12	PX-BL (BL26B1, BL45XU)	Np
507	2022A2753	X-ray crystal structural analysis of tRNA modification enzymes with metal ions	Min Yao	Hokkaido University	Japan	Educational Organization	Life Science	7	PX-BL (BL45XU)	Np
508	2022A2754	Elucidation of reaction mechanisms for metalloenzymes involved in nitrification and denitrification	Takehiko Tosha	RIKEN	Japan	National and Nonprofit Organization	Life Science	4.5	PX-BL (BL32XU)	Np
509	2022A2755*	Structural studies of light-induced energy conversion in photosynthetic proteins	Yasufumi Umena	Nagoya University	Japan	Educational Organization	Life Science	12.25	PX-BL (BL26B1, BL41XU, BL45XU)	Np
510	2022A2756	Determination of the temperature sensor regions in the TRP channels by X- ray crystallography	Tomoya Hino	Tottori University	Japan	Educational Organization	Life Science	17	PX-BL (BL26B1, BL32XU, EM02CT)	Np
511	2022A2760	X-ray crystal structural analysis of human phosphatidylserine decarboxylase	Yasunori Watanabe	Yamagata University	Japan	Educational Organization	Life Science	0.5	PX-BL (BL32XU)	Np
512	2022A2761	Diffraction data measurement for elucidating the mechanism of the metal- containing sensor system construction	Norifumi Muraki	National Institutes of Natural Sciences	Japan	National and Nonprofit Organization	Life Science	1	PX-BL (BL45XU)	Np
513	2022A2762*	Integrated structural and functional analysis of a metalloprotein at a precise level	Yota Fukuda	Osaka University	Japan	Educational Organization	Life Science	7.5	PX-BL (BL41XU, EM01CT, EM02CT)	Np
514	2022A2764	Structural analysis on the cyanobacterial NDH complex involved in the photosynthetic cyclic electron flow	Hideaki Tanaka	Osaka University	Japan	Educational Organization	Life Science	6	PX-BL (EM02CT)	Np
515	2022A2766	Structural Study of the palmitoylation/depalmitoylation of N-Ras	Yoshinori Hirano	The University of Tokyo	Japan	Educational Organization	Life Science	0.5	PX-BL (BL45XU)	Np

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	1Shift =8Hours

S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non- proprietary(Np)
1	2022A1046	3D structure observation of carbon materials	Takayuki Harano	NIPPON STEEL Chemical & Material Co., Ltd.	Japan	Industry	Industrial Applications	2	BL47XU	Р
2	2022A1047	X-ray Imaging Study of Li-ion Battery	Hisao Yamashige	Toyota Motor Corporation	Japan	Industry	Industrial Applications	34	BL20XU	Р
3	2022A1048	Nondestructive observation of inclisions in steel using synchrotron radiation X- ray laminography	Ayuki Yoshizumi	Nippon Steel Corporation	Japan	Industry	Industrial Applications	3	BL47XU	Р
4	2022A1049	HERFD-XAS study for Chemical State of V in Ceramics	Shota Fujinaka	Murata Manufacturing Co., Ltd.	Japan	Industry	Materials Science and Engineering	12	BL39XU	Р
5	2022A1050	X-ray single crystal structural analysis for structural determination of low molecular organic compound	Shun Narai	Sumitomo Pharma Co., Ltd.	Japan	Industry	Industrial Applications	2	BL40XU	Р
6	2022A1051	Electronic structure analysis of oxide solid electrolyte by resonant X-ray emission spectroscopy	Masahide Kaneko	NGK Spark Plug Co., Ltd.	Japan	Industry	Industrial Applications	1	BL27SU	Р
7	2022A1052	Imaging XAFS analysis of battery materials	Akihiro Saeki	TOYOTA INDUSTRIES CORPORATION	Japan	Industry	Chemical Science	1	BL37XU	Р
8	2022A1053	Structural evaluation of resin	Takafumi Kawanishi	Nitto Analytical Techno-Center Co., Ltd.	Japan	Industry	Industrial Applications	1	BL47XU	Р
9	2022A1054	Structural evaluation of porous materials	Takafumi Kawanishi	Nitto Analytical Techno-Center Co., Ltd.	Japan	Industry	Industrial Applications	1	BL28B2	Р
10	2022A1055	HAXPES study of semiconductor materials	Munetaka Taguchi	TOSHIBA NANOANALYSIS CORPORATION	Japan	Industry	Materials Science and Engineering	3	BL09XU	Р
11	2022A1056	2D chemical Imaging of metal oxide materials with fluorescence XAFS	Toshio Akai	Mitsubishi Chemical Corporation	Japan	Industry	Chemical Science	3	BL37XU	Р
12	2022A1057	Evaluation of Energy-Dispersive X-Ray Diffraction measurement for thick samples	Masayuki Nakazawa	Shimadzu Corporation	Japan	Industry	Industrial Applications	2	BL28B2	Р
13	2022A1058	Feasibility Study for X-ray Imaging by Synchrotron Radiation X-ray	Akira Taniyama	Nippon Steel Corporation	Japan	Industry	Industrial Applications	6	BL20B2	Р
14	2022A1059	X-ray Computed Tomography Measurement of Electronic Components	Takashi Kouzaki	Panasonic Holdings Corporation	Japan	Industry	Industrial Applications	2	BL20B2	Р
15	2022A1060	Paper analysis using X-ray microtomography	Masayuki Omoto	Seiko Epson Corporation	Japan	Industry	Industrial Applications	8	BL20XU	Р
16	2022A1061	Precise structure analysis and operand XRD analysis for ceramics	Yuki Nagamine	TDK Corporation	Japan	Industry	Industrial Applications	3	BL02B2	Р
17	2022A1062	電池材料のHAXPES分析	Hiroko Hayamizu	Nippon Steel Technology Co., Ltd.	Japan	Industry	Industrial Applications	1	BL46XU	Р
18	2022A1063	In-situ observation of synthesis process of composite materials with ceramics and metal binder	Akito Ishii	Sumitomo Electric Industries, Ltd.	Japan	Industry	Materials Science and Engineering	6	BL04B1	Р
19	2022A1064	Analysis on the mechanism of its ecxellent strength and ductility balance	Shiro Torizuka	University of Hyogo	Japan	Educational Organization	Industrial Applications	1	BL13XU	Р
20	2022A1065	Analysis of structural changes in cellulose fibers using small-angle scattering	Masayuki Omoto	Seiko Epson Corporation	Japan	Industry	Industrial Applications	1	BL19B2	Р
21	2022A1762	Study on the electronic state of inorganic semiconductor materials	Ryouji Arai	Sony Group Corporation	Japan	Industry	Industrial Applications	3	BL46XU	Р

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S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non- proprietary(Np)
22	2022A1763	ASAXS measurement of Pd-Au catalysts supported on SiO2	Hiroshi Takahashi	Showa Denko K.K.	Japan	Industry	Industrial Applications	1	BL19B2	Р
23	2022A1764	Visualization of Changes in Moisture Distribution of Dry Noodles during Drying Process.	Motofumi Otomo	Hatakenaka Seimen.	Japan	Industry	Industrial Applications	2	BL14B2	Р
24	2022A1765	Clarification of the internal structure of gelatin gels (jellies) with different textures.	Noriaki Numata	JELLICE	Japan	Industry	Industrial Applications	2	BL19B2	Р
25	2022A1766	Clarification of Correlation between Nanostructure and Quality of Beverages Using Small-angle/Ultra-small-angle Scattering.	Masafumi Hidaka	Tohoku University	Japan	Educational Organization	Industrial Applications	1	BL19B2	Р
26	2022A1790	X-ray CT observation on Pt coated Titanium fiber	Shin Takahashi	JFE Techno-Research Corporation	Japan	Industry	Industrial Applications	1	BL28B2	Р
27	2022A1791	Structure analysis of watch by X-ray CT	Saotoru Masai	Seiko Epson Corporation	Japan	Industry	Industrial Applications	1.625	BL28B2	Р
28	2022A1804	Structural analysis of oil-soluble polymers in hydrocarbon oil solutions	Takuji Kume	Kao Corporation	Japan	Industry	Industrial Applications	1	BL19B2	Р
29	2022A1805	X-ray Computed Tomography Observations of Electronics Devices	Masahiko Yoshiki	Toshiba Corporation	Japan	Industry	Industrial Applications	1	BL14B2	Р
30	2022A1806	HAXPES measurement of organic thin films on the substrate	Masashi Ohno	Nissan Chemical Corporation	Japan	Industry	Industrial Applications	3	BL46XU	Р
31	2022A1807	Particle size evaluation of alloy catalysts by X-ray small-angle scattering analysis	Hiroto Tsuchiya	Honda R&D Co.,Ltd.	Japan	Industry	Industrial Applications	3	BL19B2	Р
32	2022A1809	Local structural analysis of Fe powder by in-situ XAFS	Noriko Yamazaki	Mitsubishi Heavy Industries, Ltd.	Japan	Industry	Industrial Applications	4	BL14B2	Р
33	2022A2502	Structure analysis of proteins related to disease	Noritaka Furuya	KISSEI PHARMACEUTICAL CO., LTD.	Japan	Industry	Industrial Applications	3	PX-BL (BL41XU, BL45XU)	Р
34	2022A2503	Diffraction data collection for x-ray crystallography of drug-target proteins	Mizuki Takahashi	DAIICHI SANKYO RD NOVARE CO., LTD.	Japan	Industry	Industrial Applications	2	PX-BL (BL45XU)	Р
35	2022A2504	Structure-based pesticide development	Yoshiki Tanaka	AgroDesign Studios	Japan	Industry	Industrial Applications	7.75	PX-BL (BL41XU, BL45XU, BL32XU)	Р
36	2022A2506	Structure analysis of proteins related to disease	Toshiaki Yamaura	Asahi Kasei Pharma Corporation	Japan	Industry	Industrial Applications	19.5	PX-BL (BL45XU, EM01CT)	Р
37	2022A2508	Structure analysis of complex of disease related proteins and their regulatory compounds	Yasushi Amano	Astellas Pharma Inc.	Japan	Industry	Life Science	6	PX-BL (BL45XU)	Р
38	2022A2510	Structure analysis of proteins related to disease	Yuichiro Nakaishi	Otsuka Pharmaceutical Co., Ltd.	Japan	Industry	Industrial Applications	3.75	PX-BL (BL45XU)	Р
39	2022A2511	Structural analysis of protein and ligand/protein complex for structure-based drug design	So Nakagawa	CHUGAI PHARMACEUTICAL CO., LTD.	Japan	Industry	Industrial Applications	7.25	PX-BL (BL41XU, BL45XU)	Р
40	2022A2512	Structural Biology of Protein-Ligand complex for Drug Discovery	Shiho Yamamoto	Shionogi & Co., Ltd.	Japan	Industry	Life Science	6.25	PX-BL (BL41XU, BL45XU)	Р
41	2022A2514	Structural determination of target proteins for medical product development	Hiroyuki Kishida	Mitsubishi Tanabe Pharma Corporation	Japan	Industry	Life Science	6	PX-BL (BL41XU, BL45XU)	Р
42	2022A2515	Correlation structure analysis of Proteins using X-ray Crystallography and Cryo-TEM on 'Platform Project for Supporting Drug Discovery and Life Science Research(BINDS)'	Masaki Yamamoto	RIKEN	Japan	National and Nonprofit Organization	Life Science	2.5	PX-BL (BL41XU)	Р

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					T					1Shift =8Hour
S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Nor proprietary(Np)
43	2022A2516	Structural analysis of disease-related protein	Rie Omi	ONO PHARMACEUTICAL CO., LTD.	Japan	Industry	Life Science	4.5	PX-BL (BL32XU, EM01CT)	Р
44	2022A2517	Structural analysis of drug candidate complexes	Masaki Yamamoto	RIKEN	Japan	National and Nonprofit Organization	Life Science	48	PX-BL (EM01CT)	Ρ
45	2022A2518	Crystal structure analysis of target proteins in complex with drug candidate compounds	Masafumi Kamitani	Taisho Pharmaceutical Holdings Co., Ltd.	Japan	Industry	Life Science	3.75	PX-BL (BL32XU)	Р
46	2022A2701	X-ray or Cryo-EM structure determination of the protein with compound	Tsuyoshi Adachi	Japan Tobacco Inc.	Japan	Industry	Industrial Applications	3	PX-BL (BL45XU, BL32XU)	Р
47	2022A2702	X-ray crystallography of disease target proteins	Hajime Saburi	Toray Industries, Inc.	Japan	Industry	Life Science	1	PX-BL (BL45XU)	Ρ
48	2022A2703	Data collection on protein crystals for structure based drug design	Fan Jiang	Viva Biotech (Shanghai) Ltd.	China	Foreign	Life Science	28.75	PX-BL (BL41XU, BL45XU)	Ρ
49	2022A2704	Evaluation of the Protein Crystals under Microgravity by Synchrotron Radiation	Momi Iwata	Japan Aerospace Exploration Agency	Japan	National and Nonprofit Organization	Life Science	3.25	PX-BL (BL41XU, BL45XU)	Ρ
50	2022A2705	Structural insights into antibody/antigen complex.	Jian Sun	BeiGene Ltd.	China	Foreign	Life Science	5	PX-BL (BL45XU)	Р
51	2022A2706	Macromolecule protein crystals for data collection	Wang Cheng	Wuxi Biortus Biosciences Co. Ltd	China	Foreign	Industrial Applications	6	PX-BL (BL41XU, BL45XU)	Ρ
52	2022A2708	Structural analysis of the therapeutic target proteins or nucleic acids with its ligands	Satoshi Sogabe	Axcelead Drug Discovery Partners Inc.	Japan	Industry	Industrial Applications	0.25	PX-BL (BL45XU)	Ρ
53	2022A2709	X-ray crystallography of drug-related proteins	Tatsuya Suzuki	Taiho Pharmaceutical Co., Ltd.	Japan	Inductry	Industrial Applications	1	PX-BL (BL45XU)	Р
54	2022A2711	Structure analysis of proteins related to disease	Hiroki Omura	Teijin Pharma Limited	Japan	Industry	Industrial Applications	1.5	PX-BL (BL45XU)	Ρ

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S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	1Shift =8Hours Proprietary(P)/Non- proprietary(Np)
1	2022A1682	Analysis of the structure of polymer materials with movable dual cross networks during stretching by FT-IR measurements	Yusaku Kawai	Osaka University	Japan	Educational Organization	Materials Science and Engineering	9	BL43IR	Np
2	2022A1684	Stability of hydrous SiO2 phases under deep mantle conditions	Goru Takaichi	Ehime University	Japan	Educational Organization	Earth and Planetary Science	12	BL04B1	Np
3	2022A1685	Clarification of the spin state of Co3+ in multiferroic BiFe0.8Co0.2O3	Koomok Lee	Tokyo Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	6	BL39XU	Np
4	2022A1687	Bulk electronic structure of the wide-gap semiconductor h-BN measured by the combination of micro-focused soft x ray angle-resolved photoemission spectroscopy and exfoliation method	Hiroaki Tanaka	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	6	BL25SU	Np
5	2022A1688	Structural Study on Highly Stretchable and Self-Healable Gels Based on Ultra-High Molecular Weight Polymers	Yuji Kamiyama	Hokkaido University	Japan	Educational Organization	Chemical Science	9	BL04B2	Np
6	2022A1689	Synthesis of Ion-Pairing Assemblies Based on Antiaromatic Charged $\pi\text{-}$ Electronic Systems	Shinya Sugiura	Ritsumeikan University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
7	2022A1690	Effects of polymer topology on the bioconjugation system between polyethylene glycol and BSA	Tomohisa Watanabe	Hokkaido University	Japan	Educational Organization	Chemical Science	3	BL40B2	Np
8	2022A1692	Study of charge and magnetic phase-transition mechanism in A-site layer ordered double perovskites	Makoto lihoshi	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL02B2	Np
9	2022A1693	Investigation of the effect of cluster structure changes with 443K aging by pre-aging conditions in Al-Mg-Si alloy	Serina Tanaka	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	6	BL27SU	Np
10	2022A1697	Electronic structure study on candidate exotic superconductors layered nitride chloride HfNCI : Direct observation of Fermi surface and band structure on small single crystal by micro-ARPES	Noriyuki Kataoka	Okayama University	Japan	Educational Organization	Materials Science and Engineering	8.5	BL25SU	Np
11	2022A1698	Quantification of the migration barriers for lanthanoids in the Li3LnCl6 (Ln: lanthanoids)	Hiroaki Ito	Hokkaido University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
12	2022A1699	Novel approach method to realize unconventional superconductivity in C60 fullerides: creation of quantum criticality and anomalous electronic phase via rare-earth valence fluctuation control	Naoya Yoshikane	Osaka Metropolitan University	Japan	Educational Organization	Materials Science and Engineering	6	BL10XU	Np
13	2022A1701	Elucidation of the FeO disproportionation reaction in silicate melts under lower mantle conditions	Keisuke Ozawa	The University of Tokyo	Japan	Educational Organization	Earth and Planetary Science	6	BL39XU	Np
14	2022A1703	Investigation of the origin and distribution of the 3.1-µm absorption band observed in returned samples from C-type asteroid Ryugu using high- resolution infrared spectroscopic imaging	Kana Amano	Tohoku University	Japan	Educational Organization	Earth and Planetary Science	8.375	BL43IR	Np
15	2022A1705	Functionalization of Polycyclic π -Electron Systems Containing Main Group Elements Based on Their Intra- and Intermolecular Interactions	Hiroki Narita	Nagoya University	Japan	Educational Organization	Chemical Science	6	BL02B1	Np
16	2022A1707	Measuring Vibron Effective Dispersion in an Amorphous Superlattice	Ryohei Nagahiro	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	9	BL35XU	Np
17	2022A1708	Elucidation of the mechanism of unconventional superconductivity by electron orbitalanalysis by Core diff erential Fourier synthesis	Sora Kobayashi	Tokyo University of Science	Japan	Educational Organization	Materials Science and Engineering	9	BL02B1	Np
18	2022A1711	Establishment of the new synthetic method for oxyfluoride single-crystal thin films using ionic liquid gating	Morito Namba	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	8.625	BL01B1	Np
19	2022A1713	Colloidal single crystal structure analysis using small angle X-ray scattering with rotating crystal method: lattice distortion analysis of DNA-NP superlattices	Lidong Zhang	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
20	2022A1714	Systematic investigation of vibronic bound states in the unusual magnetic transitions of low-carrier semimetal CeX	Yosuke Arai	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	18	BL35XU	Np

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5/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	1Shift =8Hour Proprietary(P)/Non proprietary(Np)
21	2022A1718	Mixed-valency-state of rare-earth metals in the ternary fullerides M2AC60: Correlations between structural transition and valence transition at high pressures	Keisuke Matsui	Osaka Metropolitan University	Japan	Educational Organization	Materials Science and Engineering	9	BL10XU	Np
22	2022A1721	Crystal structure analysis of porous coordination polymers focused on dynamic structure in the gas adsorption process	Hirotaka Ashitani	Osaka Prefecture University	Japan	Educational Organization	Materials Science and Engineering	5.5	BL02B2	Np
23	2022A1722	Quantitative evaluation of lattice dynamics coupled with quantum liquid crystal states by time-resolved nano-XAFS measurement	Keita Kojima	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	12	BL36XU	Np
24	2022A1725	Structural and dynamic analysis of supramolecular hydrogen-bonded networks	Chisako Kanzaki	Kyoto Prefectural University	Japan	Educational Organization	Chemical Science	6	BL43IR	Np
25	2022A1728	Structural analysis of novel supramolecular architectures created in microfluidic field	Chisako Kanzaki	Kyoto Prefectural University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
26	2022A1729	Electronic state analysis by hard X-ray photoemission spectroscopy of synthetic copper-based sulfide minerals with high thermoelectric performance	Tatsuhiro Ishida	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	9	BL09XU	Np
27	2022A1732	Background event evaluation of a new 229ThF4 target for the search for ultra-low energy isomer states of 229 thorium nuclei toward the realization of nuclear clocks	Koichi Okai	Okayama University	Japan	Educational Organization	Elementary Particles, Nuclear Science	6	BL19LXU	Np
28	2022A1733	Speciation of Trace Uranium Adsorbed on Biotite by High Resolution Fluorescence XANES	Takumi Yomogida	The University of Tokyo	Japan	Educational Organization	Earth and Planetary Science	9	BL39XU	Np
29	2022A1734	In situ pair distribution function analysis of polymers with mesomorphic phase under heating	Misato Nabata	Kanazawa University	Japan	Educational Organization	Materials Science and Engineering	6	BL08W	Np
30	2022A1735	XAFS study on active sites of FeOx-modified Ir catalyst for synthesizing secondary mono-alcohols from vicinal diols [new user]	Ben Liu	Tohoku University	Japan	Educational Organization	Industrial Applications	5.375	BL14B2	Np
31	2022A1736	Operando QXAFS measurement of multi-element-containing CO2 hydrogenation catalysts identified by extrapolative machine learning approaches	Yuan Jing	Hokkaido University	Japan	Educational Organization	Industrial Applications	12	BL14B2	Np
32	2022A1737	Nanocrystallization dynamics of low-loss soft magnetic Fe-Si-B-P-Cu alloy	Shozo Hiramoto	Hiroshima University	Japan	Educational Organization	Industrial Applications	3	BL02B2	Np
33	2022A1739	Mechanistic study on deposition of Au nanoparticles during deposition- precipitation method by XAFS	Hidenori Nishio	Tokyo Metropolitan University	Japan	Educational Organization	Industrial Applications	3	BL01B1	Np
34	2022A1754	Development of In-situ Synchrotron X-ray Powder Diffraction of Ball Milling	Yanyan Zheng	University of Tsukuba	Japan	Educational Organization	Materials Science and Engineering	9	BL02B2	Np
35	2022A1755	Understanding the kinetics of adsorption-induced structural transition on flexible metal-organic frameworks	Yuta Sakanaka	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
36	2022A1784	Solution-state XAFS study on the electronic structure and local structure evaluation of nickel complexes bearing N-heterocyclic carbenes and triaryl- boranes	Yasuhiro Yamauchi	Osaka University	Japan	Educational Organization	Industrial Applications	6	BL14B2	Np
37	2022A1785	Evaluation of band bending for the transparent conductive oxide film of perovskite/crystalline Si tandem solar cells.	Tappei Nishihara	Meiji University	Japan	Educational Organization	Industrial Applications	9	BL46XU	Np
38	2022A1786	Characterization of the electronic states of Au by in situ XAFS for development of supported Au single-atom and cluster catalysts utilizing layered double hydroxide nanoparticles	Akihiro Nakayama	Tokyo Metropolitan University	Japan	Educational Organization	Industrial Applications	6	BL14B2	Np
39	2022A1787	Evaluation of band Si bending by defect charge in MIS structure device	Tomohiko Hara	Toyota Technological Institute	Japan	Educational Organization	Industrial Applications	9	BL46XU	Np
40	2022A1788	Controllability of phase separation after exposure to different thermal history -As evaluation criteria for laser induced local phase separation control	Kana Tomita	Tokyo Institute of Technology	Japan	Educational Organization	Industrial Applications	3	BL19B2	Np

2022A, Performed Budding Researchers Support Proposals

											1Shift =8Hours
S/N	N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non- proprietary(Np)
4	11 2	022A1827	In situ XAFS analysis for bifunctional catalysts effective for $\rm CO_2$ capture and reductive utilization	Shinta Miyazaki	Hokkaido University	Janan	Educational Organization	Chemical Science	12	BL14B2	Np
4	2 2	02241828	Electronic states of multiple-element oxides obtained by high-throughput method	Yuichi Okazaki	Osaka Prefecture University	lanan	Educational Organization	Industrial Applications	3	BL14B2	Np
4	3 2	022A2767	Structural analysis of hydrogen oxidizing bacteria-originated chaperonin complex	Zengwei Liao	The University of Tokyo	lanan	Educational Organization	Life Science	18	PX-BL (EM02CT)	Np
4	14 2	000000760	Structural analysis of GH19 chitinase with a different number of loops and activity depending on the evolutionary stage	Dan Kozome	Okinawa Institute of Science and Technology Graduate University	lanan	Educational Organization	Life Science	4	PX-BL (BL41XU, BL45XU, BL32XU)	Np
4	15 2	2022A2770	Control of protein crystallization and microcrystal structure analysis	Junko Tanaka	Tokyo Institute of Technology	lanan	Educational Organization	Life Science	4.75	PX-BL (BL32XU)	Np
4	6 2	2022A2771	Rapid protein crystal structure analysis using in-cell protein crystallization	Mariko Kojima	Tokyo Institute of Technology	lanan	Educational Organization	Life Science	4.5	PX-BL (BL32XU)	Np

2022A, Performed Time-Designated Proposals

S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non- proprietary(Np)
1	2022A2003	Particle size evaluation of alloy catalysts by X-ray small-angle scattering analysis	Hiroto Tsuchiya	Honda R&D Co.,Ltd.	Japan	Industry	Industrial Applications	1	BL19B2	Р
2	2022A2004	Evaluation of internal structure of nanogel using Spring-8	Chihiro Ozawa	Tokyo University of Science	Japan	Educational Organization	Materials Science and Engineering	1	BL40B2	Р
3	2022A2005	Electronic states analysis of oxygen evolution reaction catalyst for alkaline water electrolysis by Operando soft X-ray absorption spectroscopy	Kazuo Tatsuta	Asahi Kasei Corporation	Japan	Industry	Industrial Applications	3	BL27SU	Р
4	2022A2006	Non-destructive measurement of electrical components by high-energy high- brilliance synchrotron radiation x-ray	Hidehiko Kimura	Toyota Central R&D Labs., Inc.	Japan	Industry	Industrial Applications	1.875	BL05XU	Р
5	2022A2007	Synchrotron Radiation X-Ray Diffraction data collection for protein crystals	Rongsen Xia	ReadCrystal biotech Co. Ltd.	China	Foreign	Industrial Applications	0.5	BL41XU	Р
6	2022A2019	XAFS measurement of cathode materials for Li-ion batteries	Naomi Suzuki	Sumitomo Metal Mining Co., Ltd.	Japan	Industry	Industrial Applications	1	BL14B2	Р
7	2022A2027	Visualization of Solid-Liquid-Gas Phase Dynamics in an Electrolyzer for Numerical Modeling of Toluene Direct Electro-hydrogenation	Kensaku Nagasawa	Yokohama National University	Japan	Educational Organization	Industrial Applications	3	BL20B2	Р
8	2022A2031	Synchrotron Radiation X-Ray Diffraction data collection for protein crystals	Rongsen Xia	ReadCrystal biotech Co. Ltd.	China	Foreign	Industrial Applications	0.5	BL41XU	Р
9	2022A2037	Protein X-ray crystallography	Hiroaki Adachi	Sosho, Inc.	Japan	Industry	Industrial Applications	0.25	BL41XU	Р
10	2022A2040	Diffraction data collection of Pyrotech crystals at SPring-8 in July 2022	Yuan Hong	Beijing Pyrotech Biotechnology Co., Ltd	China	Foreign	Life Science	1.25	BL45XU	Р
11	2022A2043	Observation of water-particle distribution in the epoxy-resin by X-ray micro-CT method	Masaki Oura	RIKEN	Japan	National and Nonprofit Organization	Materials Science and Engineering	0.5	BL20XU	Р
12	2022A2049	Investigation of deterioration mechanism of positive electrode in all solid battery using XAFS	Yuichi Ikeda	GS Yuasa International Ltd.	Japan	Industry	Industrial Applications	1	BL14B2	Р
13	2022A2050	Diffraction studies with protein - protein complex crystals.	Koji Inaka	Maruwa Foods and Biosciences, Inc.	Japan	Industry	Life Science	0.25	BL41XU	Р
14	2022A2054	Observation of internal structure of resin materials.	Shoya Oizumi	Yazaki Corporation	Japan	Industry	Industrial Applications	0.25	BL47XU	Р

2022A, Performed SPring-8 Measurement Services

										1Sniπ =8Hours
S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non- proprietary(Np)
1	2022A2009	Development of functional polymeric materials by using synchrotron X-ray scattering method	Kiminori Uchida	Mitsui Chemicals, Inc.	Japan	Industry	Industrial Applications	0.25	BL19B2	Р
2	2022A2010	XAFS measurements for catalyst	Masaru Tazawa	Mitsubishi Gas Chemical Company, Inc.	Japan	Industry	Industrial Applications	0.5	BL14B2	Р
3	2022A2011	Small angle X-ray scattering measurements of polymer composites	Satoshi Sawada	Chemicals Evaluation Research Institute	Japan	National and Nonprofit Organization	Industrial Applications	0.25	BL19B2	Р
4	2022A2012	SR-XRD measurements of steel (2022A)	Kazunori Fukuda	Kobelco Research Institute, Inc.	Japan	Industry	Industrial Applications	0.25	BL19B2	Р
5	2022A2013	Powder XRD measurement of battery materials	Kazunori Fukuda	Kobelco Research Institute, Inc.	Japan	Industry	Industrial Applications	0.75	BL19B2	Р
6	2022A2014	Powder XRD measurement	Hiromi Seki	KYOCERA Corporation	Japan	Industry	Industrial Applications	0.5	BL19B2	Р
7	2022A2015	Local structural change of low crystallinity Na containing transition metal oxide during charge and discharge process	Riki Kataoka	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Industrial Applications	0.375	BL14B2	Р
8	2022A2016	XAFS measurements of Ru	Shogo Suehiro	Sumika Chemical Analysis Service, Ltd.	Japan	Industry	Industrial Applications	0.25	BL14B2	Р
9	2022A2017	XAFS measurements of Nb, Zr and Fe	Shogo Suehiro	Sumika Chemical Analysis Service, Ltd.	Japan	Industry	Industrial Applications	1.5	BL14B2	Р
10	2022A2018	SAXS/USAXS study of polymer fiber and film	Yuuichi Kondou	Nitto Analytical Techno-Center Co., Ltd.	Japan	Industry	Industrial Applications	0.5	BL19B2	Р
11	2022A2020	Crystal structure analysis of materials for lithium ion battery using XRD.	Shugo Yamada	Panasonic Holdings Corporation	Japan	Industry	Industrial Applications	1	BL19B2	Р
12	2022A2021	XAFS measurement of catalyst	Qiuyi Yuan	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	0.25	BL14B2	Р
13	2022A2022	Powder XRD measurement of battery materials	Kazunori Fukuda	Kobelco Research Institute, Inc.	Japan	Industry	Industrial Applications	0.75	BL19B2	Р
14	2022A2023	XAFS mesurement	Kei Kubobuchi	Denka Company Limited.	Japan	Industry	Industrial Applications	0.25	BL14B2	Р
15	2022A2024	Powder X-ray diffraction of oxide materials	Naomi Suzuki	Sumitomo Metal Mining Co., Ltd.	Japan	Industry	Industrial Applications	0.5	BL19B2	Р
16	2022A2025	XAFS measurements of metallic materials	Koto Wang	School Research Co. LTD	China	Foreign	Industrial Applications	0.75	BL14B2	Р
17	2022A2026	X-ray diffraction mesurement of dilute copper alloy	Kazuhiro Goto	Sumitomo Electric Industries, Ltd.	Japan	Industry	Industrial Applications	0.25	BL19B2	Р
18	2022A2028	XAFS measurement of CoMn samples	Shota Matsuo	Kao Corporation	Japan	Industry	Industrial Applications	0.25	BL14B2	Р
19	2022A2029	Composition analysis of surface film on positive and negative electrodes for lithium ion battery	Yuichi Ikeda	GS Yuasa International Ltd.	Japan	Industry	Industrial Applications	0.5	BL46XU	Р
20	2022A2030	XAFS analysis of ZrO2	Hirokazu Kurashige	TOSOH Analysis and Research Center Co., Ltd.	Japan	Industry	Industrial Applications	0.75	BL14B2	Р
21	2022A2032	XAFS measurements of metallic materials	Koto Wang	School Research Co. LTD	China	Foreign	Industrial Applications	0.5	BL14B2	Р

2022A, Performed SPring-8 Measurement Services

S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non- proprietary(Np)
22	2022A2033	Powder XRD measurement of battery materials	Kazunori Fukuda	Kobelco Research Institute, Inc.	Japan	Industry	Industrial Applications	0.75	BL19B2	Р
23	2022A2034	SR-XRD measurement of steel	Kazunori Fukuda	Kobelco Research Institute, Inc.	Japan	Industry	Industrial Applications	0.25	BL19B2	Р
24	2022A2035	X-ray diffraction measurement of battery material	Yuichiro Takimoto	Aichi Steel Corporation	Japan	Industry	Industrial Applications	0.25	BL19B2	Р
25	2022A2036	Powder diffraction measuerment	Sonoko Kosuga	Daido Bunseki Research, INC.	Japan	Industry	Industrial Applications	0.5	BL19B2	Р
26	2022A2039	XAFS measurement of organic materials	Masashi Ohno	Nissan Chemical Corporation	Japan	Industry	Industrial Applications	0.75	BL14B2	Р
27	2022A2041	XAFS measurement of metallic materials	Koto Wang	School Research Co. LTD	China	Foreign	Industrial Applications	0.25	BL14B2	Р
28	2022A2042	EXAFS Analysis of Inorganic Thin Films	Tomoya Taji	JSR Corporation	Japan	Industry	Industrial Applications	1	BL14B2	Р
29	2022A2044	Powder X-ray Diffraction of low-strain sample XIII	Kazuya Tokuda	Sumitomo Electric Industries, Ltd.	Japan	Industry	Industrial Applications	0.25	BL19B2	Р
30	2022A2045	Chemical analysis of palladium on fiber	Yasuo Yamauchi	Yazaki Corporation	Japan	Industry	Industrial Applications	0.5	BL14B2	Р
31	2022A2046	XAFS measurements of metallic materials	Koto Wang	School Research Co. LTD	China	Foreign	Industrial Applications	0.25	BL14B2	Р
32	2022A2047	Powder XRD measurement of battery materials	Kazunori Fukuda	Kobelco Research Institute, Inc.	Japan	Industry	Industrial Applications	0.75	BL19B2	Р
33	2022A2048	SR-XRD measurement of steel samples	Kazunori Fukuda	Kobelco Research Institute, Inc.	Japan	Industry	Industrial Applications	0.25	BL19B2	Р
34	2022A2051	XAFS measurement of cathode materials	Qiuyi Yuan	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	1	BL14B2	Р
35	2022A2052	Analysis of structural changes in cellulose fibers using small-angle scattering	Masayuki Omoto	Seiko Epson Corporation	Japan	Industry	Industrial Applications	0.25	BL19B2	Р
36	2022A2053	Ultra small angle X-ray scattering measurements of polymer composites	Satoshi Sawada	Chemicals Evaluation Research Institute	Japan	National and Nonprofit Organization	Industrial Applications	0.25	BL19B2	Р
37	2022A2055	Powder XRD measurement	Hiromi Seki	KYOCERA Corporation	Japan	Industry	Industrial Applications	1	BL19B2	Р
38	2022A2056	SR-XRD measurements of steel residues	Kazunori Fukuda	Kobelco Research Institute, Inc.	Japan	Industry	Industrial Applications	0.25	BL19B2	Р
39	2022A2057	Analysis of trace crystal Structure in tablet using synchrotron radiation X-ray diffraction	Takahiro Sakai	Sawai Pharmaceutical Co., Ltd.	Japan	Industry	Industrial Applications	0.25	BL19B2	Р
40	2022A2058	XRD analysis of cathode materials for Li ion batteries	Naomi Suzuki	Sumitomo Metal Mining Co., Ltd.	Japan	Industry	Industrial Applications	0.5	BL19B2	Р
41	2022A2059	Ultra-small-angle X-ray scattering measurements for fuel-cell materials	Yuji Kurotani	Toyota Motor Corporation	Japan	Industry	Industrial Applications	0.25	BL19B2	Р

2022A, Performed Non-Proprietary Grant-Aided Proposals

										1Shift =8Hours
S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non- proprietary(Np)
1	2022A1001	Observation of elasto-plastic deformation behavior in additively manufactured AI-Si alloy with hetero-microstructure	Hiroki Adachi	University of Hyogo	Japan	Educational Organization	Industrial Applications	3	BL13XU	Np
2	2022A1002	Extraction of order-disorder in various crystalline and amorphous materials by high-energy X-ray diffraction	Shinji Kohara	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL04B2	Np
3	2022A1003	X-ray CT measurement of structural change of all solid state lithium ion battery with charge and discharge	Manabu Kodama	Tokyo Institute of Technology	Japan	Educational Organization	Industrial Applications	4	BL20XU	Np
4	2022A1004	Precise Crystal Structural Analysis of Hybrid Polyoxometalates as Advanced Functional Energy Materials by High-flux X-ray Diffraction Analysis	Tatsuhiro Kojima	Osaka University	Japan	Educational Organization	Chemical Science	3	BL02B1	Np
5	2022A1005	Tomography for bridging nano and macro: semi-spontaneous interfacial debonding	Hiroyuki Toda	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	7	BL20XU	Np
6	2022A1006	Development of analytical technique for 2.5 dimensional materials	Eiji Nishibori	University of Tsukuba	Japan	Educational Organization	Materials Science and Engineering	1	BL13XU	Np
7	2022A1007	Deformation Mechanism of Nano-Heterostructured Metallic Materials Composed of Soft Domains and Hard Domains 2	Nobuhiro Tsuji	Kyoto University	Japan	Educational Organization	Industrial Applications	5	BL13XU	Np
8	2022A1008	Local coordination state of elements in hyper-ordered structure by X-ray absorption fine structure	Hirokazu Masai	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL01B1	Np
9	2022A1009	Local structural analysis of composite oxide mesocrystals	Takashi Tachikawa	Kobe University	Japan	Educational Organization	Materials Science and Engineering	3	BL01B1	Np
10	2022A1010	Mechanical optimization of an acquired leaf structures by light adaptation in plants	Eiji Gotoh	Kyushu University	Japan	Educational Organization	Life Science	3	BL20B2	Np
11	2022A1011	Analyses of Hyper-Ordered Structures in Advanced Materials using X-ray Fluorescence Holography for Tiny Samples	Koji Kimura	Nagoya Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	9	BL39XU	Np
12	2022A1012	Uranium distribution in the femur at the initial phase after administration of uranium to rats	Shino Takeda	National Institutes for Quantum Science and Technology	Japan	National and Nonprofit Organization	Medical Applications	9	BL37XU	Np
13	2022A1013	Fundamental examination of cellular dynamics of bio-metals	Shino Takeda	National Institutes for Quantum Science and Technology	Japan	National and Nonprofit Organization	Medical Applications	6	BL37XU	Np
14	2022A1014	Structure analysis of polymer electrolyte fuel cell catalyst by X-ray total scattering	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	18	BL04B2	Np
15	2022A1015	Observation of liquid water in gas diffusion layer and catalyst layer of polymer electrolyte fuel cells using operando CT (3)	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Chemical Science	16	BL20XU	Np
16	2022A1016	Evaluation of catalyst particles and molecular aggregation states in Nafion films	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	11.75	BL40B2	Np
17	2022A1017	Visualizing Liquid Water in PEFC using Compton Scattering Imaging	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	18	BL08W	Np
18	2022A1018	Operando soft X-ray absorption spectroscopy study of Pt-based catalyst for Polymer Electrolyte Fuel Cell (4)	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Chemical Science	18	BL27SU	Np
19	2022A1019	Analysis of Radical Quencher in Polymer Electrolyte Membrane of PEM Fuel Cells using operando Micro-beam X-ray Fluorescence Spectroscopy	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	23.25	BL37XU	Np
20	2022A1020	Analysis of PEFC catalyst using high-resolution X-ray absorption spectroscopy	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Chemical Science	15.75	BL39XU	Np
21	2022A1021	Elucidation of dominant factor for deterioration of Nafion membranes	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Chemical Science	3	BL40XU	Np

2022A, Performed Non-Proprietary Grant-Aided Proposals

										1Shift =8Hours
S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non- proprietary(Np)
22	2022A1022	Electronic structure study on the candidate and related materials for a spacecraft radiator with thermal switching 2	Tomohiko Saitoh	Tokyo University of Science	Japan	Educational Organization	Materials Science and Engineering	3	BL09XU	Np
23	2022A1023	Visualization of organic matter and pore structure in soils and sediments to elucidate C stabilization mechanism	Rota Wagai	National Agriculture and Food Research Organization	Japan	National and Nonprofit Organization	Environmental Science	3	BL47XU	Np
24	2022A1024	Investigation on crystal structures and mechanisms of high-performance expression of hyper-ordered structural materials with network structures	Naoto Kitamura	Tokyo University of Science	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
25	2022A1026	Propagation of delamination between carbon fibers and matrix considering their arrangement in composite materials	Kosuke Takahashi	Hokkaido University	Japan	Educational Organization	Materials Science and Engineering	4	BL20XU	Np
26	2022A1027	automated analysis and extracting hidden information from MCD spectral big data by machine learning	Masato Kotsugi	Tokyo University of Science	Japan	Educational Organization	Materials Science and Engineering	12	BL25SU	Np
27	2022A1028	Resonant soft X-ray emission spectroscopy of oxide nanoparticles synthesized by supercritical method	Maiko Nishibori	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	6	BL27SU	Np
28	2022A1029	In-situ XAFS analysis of oxide nanoparticles synthesized by the supercritical method	Maiko Nishibori	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	6	BL01B1	Np
29	2022A1030	Local structure analysis of heteroatoms in zeolite framework by resonant soft x-ray emission spectroscopy	Maiko Nishibori	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	6	BL27SU	Np
30	2022A1031	Numerical analysis of ductile deformation and fracture mechanisms of Ti-AM material by quantification of 3D pore configuration using Persistent homology	Yukiko Ozaki	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	9	BL20B2	Np
31	2022A1032	In-situ analysis of the dilatancy phenomenon under high-speed vibration to solid and liquid composite.	Soichiro Okubo	Sumitomo Electric Industries, Ltd.	Japan	Industry	Industrial Applications	11.5	BL40XU	Np
32	2022A1033	Observation of morphological changes of cathode materials for all-solid-state lithium-sulfur batteries by using operando X-ray imaging	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Chemical Science	21.875	BL20XU	Np
33	2022A1034	Investigation of Charge Compensation Mechanism in High Capacity Cathode for All-Solid-State Lithium-Sulfur Battery	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Chemical Science	3	BL27SU	Np
34	2022A1035	Operando measurement of anion redox high energy density fluoride ion battery cathode	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Chemical Science	8.875	BL27SU	Np
35	2022A1036	Analysis of Insafety Phenomena in Lithium-ion Secondary Batteries with Nickel-based High Capacity Cathode	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Chemical Science	9	BL28B2	Np
36	2022A1037	Effect of the specific adsorption of sulfonate group in ionomer and adsorbed oxide species on the oxygen reduction reaction activity of PEFC catalyst (2)	Tomoki Uchiyama	Kyoto University	Japan	Educational Organization	Chemical Science	3	BL01B1	Np
37	2022A1038	Effect of the specific adsorption of sulfonate group in ionomer and adsorbed oxide species on the oxygen reduction reaction activity of PEFC catalyst (3)	Tomoki Uchiyama	Kyoto University	Japan	Educational Organization	Chemical Science	12	BL37XU	Np
38	2022A1039	Structural Analysis of Water Electrocatalysts by Total X-ray Scattering (1)	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Chemical Science	9	BL04B2	Np
39	2022A1040	X-ray diffraction study of electrocatalysts for oxygen evolution reaction(5)	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL02B2	Np
40	2022A1041	Relation between Structural Change in Compressive Failure and Fundamental Properties of Carbon Fibers	Wataru Takarada	Tokyo Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	9	BL13XU	Np
41	2022A1042	Structure analysis of polymer electrolyte fuel cell catalyst by X-ray absorption spectroscopy	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	5.875	BL14B2	Np
42	2022A1043	Structure analysis of polymer electrolyte fuel cell catalyst by X-ray diffraction	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	6	BL19B2	Np

2022A, Performed Non-Proprietary Grant-Aided Proposals

						-	•		•	1Shift =8Hours
S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non- proprietary(Np)
43	2022A1044	Structure analysis of polymer electrolyte fuel cell catalyst by hard X-ray photoelectron spectroscopy	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	11.875	BL46XU	Np
44	2022A1045	Exploration on the local structure and the mechanism of the degradation process of non-noble-metal catalysts for the water-splitting reaction-3	Ryuhei Nakamura	RIKEN	Japan	National and Nonprofit Organization	Industrial Applications	6	BL14B2	Np
45	2022A1756	Crystal structure analysis of core-shell materials for oxide-based all-solid-state battery	Toyoki Okumura	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Industrial Applications	3	BL19B2	Np
46	2022A1757	Electronic and local structure analysis of core-shell materials for oxide-based all-solid-state battery	Toyoki Okumura	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Industrial Applications	3	BL14B2	Np
47	2022A1758	Chemical state analysis of lead halide perovskite nanocrystals passivated with a cationic gemini ligand using synchrotron HAXPES	Norio Saito	University of Yamanashi	Japan	Educational Organization	Industrial Applications	2	BL46XU	Np
48	2022A1759	In-situ USAXS analysis of the dilatancy phenomenon under high-speed shearing to solid and liquidcomposite.	Soichiro Okubo	Sumitomo Electric Industries, Ltd.	Japan	Industry	Industrial Applications	6	BL19B2	Np
49	2022A1760	In-situ analysis on change in dislocation density during tensile deformation of 3D additive manufactured Hastelly X and Inconel 738 Ni alloyat high temperature	Shiro Torizuka	University of Hyogo	Japan	Educational Organization	Industrial Applications	2	BL19B2	Np
50	2022A1761	Exploration on the local structure and the mechanism of the degradation process of non-noble-metal catalysts for the water-splitting reaction by XAFS: Part 3	Ryuhei Nakamura	RIKEN	Japan	National and Nonprofit Organization	Industrial Applications	6	BL14B2	Np
51	2022A1789	Development of millisecond-temporal-resolution X-ray tomography using super-compressed sensing	Wataru Yashiro	Tohoku University	Japan	Educational Organization	Life Science	18	BL28B2	Np
52	2022A1797	Precise analysis of aquatic materials in the range of micron to sub-micron scales.	Go Matsuba	Yamagata University	Japan	Educational Organization	Industrial Applications	1	BL19B2	Np
53	2022A1798	Change in volume fraction of AI-Fe intermetallic compound by annealing conditions in additively manufactured AI-Fe heat-resistant alloy	Hiroki Adachi	University of Hyogo	Japan	Educational Organization	Industrial Applications	3	BL19B2	Np
54	2022A1799	Structure analysis of polymer electrolyte fuel cell catalyst by X-ray absorption spectroscopy	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	3	BL14B2	Np
55	2022A1800	Structure analysis of polymer electrolyte fuel cell catalyst by X-ray diffraction	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	6	BL19B2	Np
56	2022A1801	Structure analysis of polymer electrolyte fuel cell catalyst by hard X-ray photoelectron spectroscopy	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	12	BL46XU	Np
57	2022A1802	Microstructural analysis of high-performance oxide catalysts for carbon dioxide recycling.	Yasushi Sekine	Waseda University	Japan	Educational Organization	Chemical Science	6	BL14B2	Np
58	2022A1803	Elucidation of the electron state and local fine structure of metal active site on supported various ultra-small metal cluster catalysts and metal oxide cluster catalysts. We want to elucidate the ligand and ensemble effect, and metal- support interaction before/after the reaction.	Tomohiro Yabe	The University of Tokyo	Japan	Educational Organization	Industrial Applications	2.625	BL14B2	Np

2022A, Performed Long-term Proposals

S/N	Proposal	Performed Proposal Title	Dreiset Leader	Affiliation	Country	Affiliation Cotonony	Research	Shift	Beemline	Proprietary(P)/Non-
5/N	Number		Project Leader	Affiliation	Country	Affiliation Category	Category	Shift	Beamline	proprietary(Np)
1	2022A0168	Structure Elucidation and Functionalization of Self-Assembled Gigantic Hollow Complexes by Single-Crystal Synchrotron X-ray Study	Makoto Fujita	The University of Tokyo	Japan	Educational Organization	Chemical Science	3	BL26B1	Np
2	2022A0171	Crystal structure analysis of membrane transporters	Chikashi Toyoshima	The University of Tokyo	Japan	Educational Organization	Life Science	3	BL41XU	Np
3	2022A0172	Initiation and growth mechanisms of small internal cracks of high strength materials in the very high cycle fatigue	Takashi Nakamura	Hokkaido University	Janan	Educational Organization	Materials Science and Engineering	14.625	BL20XU	Np
4	2022A0174	Development of micro-XRF-XAFS study for geo- and cosmo-chemical samples: extention to higher energy region and introduction of transition-edge sendor detector	Yoshio Takahashi	The University of Tokyo	Japan	Educational Organization	Earth and Planetary Science	9	BL01B1	Np
5	2022A0176	Development of multi-beam 4D X-ray tomography with a ms-order temporal resolution and its applications	Wataru Yashiro	Tohoku University	Janan	Educational Organization	Life Science	21	BL28B2	Np
6	2022A0179	Structure Elucidation and Functionalization of Self-Assembled Gigantic Hollow Complexes by Single-Crystal Synchrotron X-ray Study	Makoto Fujita	The University of Tokyo	Japan	Educational Organization	Chemical Science	1	BL41XU	Np
7	2022A0180	Development of micro-XRF-XAFS study for geo- and cosmo-chemical samples: extention to higher energy region and introduction of transition-edge sendor detector	Yoshio Takahashi	The University of Tokyo	Japan	Educational Organization	Earth and Planetary Science	29.875	BL37XU	Np
8	2022A0181	Study of iron alloys under ultrahigh pressures and the core light element composition	Kei Hirose	Tokyo Institute of Technology	lanan	Educational Organization	Earth and Planetary Science	41.5	BL10XU	Np
9	2022A0185	Initial and detailed analysis of Hayabusa2 return samples using X-ray tomography	Megumi Matsumoto	Tohoku University	Janan	Educational Organization	Earth and Planetary Science	14.375	BL20XU	Np
10	2022A0188	Initial and detailed analysis of Hayabusa2 return samples using X-ray tomography	Megumi Matsumoto	Tohoku University	Japan	Educational Organization	Earth and Planetary Science	20.875	BL47XU	Np

2022A, Performed Long-Term Graduate Student Proposals

:	S/N	Proposal Number	Performed Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/Non- proprietary(Np)
	1		Structural analysis of the local information for highly efficient alloy catalysts in the dehydrogenation of alkanes using in-situ XAFS measurement	Yuki Nakaya	Hokkaido University	Janan	Educational Organization	Chemical Science	12	BL01B1	Np
	2		Establishment of the Valence Electron Density Distribution Analysis to Elucidation the Physical Property of Strong-Correlated Molecular Conductors.	Takeshi Hara	Nagoya University	lanan		Materials Science and Engineering	12	BL02B1	Np
	3	2022A0314	Investigation of Fe-H-Si ternary phase diagram and determination of hydrogen-induced volume expansion coefficient for elucidation of the composition of the Earth's core	Yuichiro Yuichiro	The University of Tokyo	Janan		Earth and Planetary Science	9	BL04B1	Np