

2020A, Performed General Proposals

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

1Shift =8Hours

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
1	2020A0501	HAXPES study of semiconductor materials	Munetaka Taguchi	TOSHIBA NANOANALYSIS CORPORATION	Japan	Industry	Industrial Applications	3	BL47XU	P
2	2020A0502	X-ray Imaging Study of Li-ion Battery	Hisao Yamashige	TOYOTA MOTOR CORPORATION	Japan	Industry	Industrial Applications	6	BL20XU	P
3	2020A0503	X-ray Imaging Study of Li-ion Battery	Hisao Yamashige	TOYOTA MOTOR CORPORATION	Japan	Industry	Industrial Applications	6	BL47XU	P
4	2020A0505	X-ray single crystal structural analysis for structural determination of low molecular organic compound	Takahiko Hashizuka	Sumitomo Dainippon Pharma Co., Ltd.	Japan	Industry	Industrial Applications	2	BL40XU	P
5	2020A0506	X-ray total scattering of carbon materials	Takanori Itoh	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	3	BL04B2	P
6	2020A0507	Structural evaluation of resin	Takafumi Kawanishi	Nitto Analytical Techno-Center Co., Ltd.	Japan	Industry	Industrial Applications	1	BL47XU	P
7	2020A0508	Micro-beam XAFS study for Chemical State Analysis in Ceramics	Hitoshi Nishimura	Murata Manufacturing Co., Ltd.	Japan	Industry	Materials Science and Engineering	6	BL37XU	P
8	2020A0509	Elemental distribution analysis of arsenic, selenium, iron and sulfur contained in rocks	Yuki Itaya	Sumitomo Osaka Cement Co.,Ltd.	Japan	Industry	Environmental Science	1	BL37XU	P
9	2020A0510	Small and wide angle X-ray scattering studies of structure of fluororesins	Toshiyuki Fukushima	DAIKIN INDUSTRIES, LTD.	Japan	Industry	Materials Science and Engineering	1	BL40B2	P
10	2020A0511	Precision structure analysis and operand XRD analysis for ceramics	Yuki Nagamine	TDK Corporation	Japan	Industry	Industrial Applications	3	BL02B2	P
11	2020A0512	X-ray Diffraction Measurement of Layered Materials with Microbeam	Yuta Inaba	Sony Corporation	Japan	Industry	Industrial Applications	3	BL13XU	P
12	2020A0513	Characterization of oxide film on metal using HAXPES	Katsuhiro Nishihara	Nippon Steel Corporation	Japan	Industry	Industrial Applications	6	BL09XU	P
13	2020A0521	Clarification of fracture mechanism for high reliability design of Ceramic Matrix Composites by synchrotron X-ray multiscale CT	Gaku Okuma	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	3	BL20XU	Np
14	2020A0523	in-site XAFS analysis for the formation mechanism of high entropy alloy nanoparticles induced by the hydrogen spillover	Kohsuke Mori	Osaka University	Japan	Educational Organization	Chemical Science	3	BL01B1	Np
15	2020A0524	In situ observation of crystallization-driven self-assembly of poly(n-propyl glycine) derivatives	Tomoki Nishimura	Shinshu University	Japan	Educational Organization	Chemical Science	3	BL40B2	Np
16	2020A0528	Crystal-Structure Analysis on novel Ruthenium-Indium solid-solution alloy nanoparticles	Hiroshi Kitagawa	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
17	2020A0529	Complex Formation Behavior of Multiple Helical Biopolymers and Nanoparticles	Ken Terao	Osaka University	Japan	Educational Organization	Chemical Science	6	BL40B2	Np
18	2020A0530	Exploration of structural phase transition in spinel type CuRh ₂ S ₄	Naoyuki Katayama	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	6	BL10XU	Np
19	2020A0532	Crystal to crystal structural phase transition of vapochromic Pt complexes under vapor.	Eiji Nishibori	University of Tsukuba	Japan	Educational Organization	Materials Science and Engineering	6	BL02B1	Np
20	2020A0533	Local Structure of Homogeneous Polymer Network Electrolytes for High-Performance All-Solid Batteries	Kenta Fujii	Yamaguchi University	Japan	Educational Organization	Chemical Science	9	BL04B2	Np
21	2020A0534	In situ XAFS-DRIFT analysis of copper zeolites under direct synthesis of methanol from methane	Junya Ohyama	Kumamoto University	Japan	Educational Organization	Chemical Science	9	BL01B1	Np

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22	2020A0536	Creation of New Domain Structures from Tetrablock Terpolymers of the A1BA2C type	Yushu Matsushita	Toyota Physical and Chemical Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL40XU	Np
23	2020A0538	Quantification of the effect and structural change of cellulose and synthesized fibers with special dyeing processes	Go Matsuba	Yamagata University	Japan	Educational Organization	Chemical Science	6	BL43IR	Np
24	2020A0540	Synthesis of phosphorus doped H ₂ S high-T _c superconductor under high temperature and high pressure condition	Masafumi Sakata	Gifu University	Japan	Educational Organization	Materials Science and Engineering	6	BL10XU	Np
25	2020A0543	Study on synchrotron radiation induced nucleation, ripping, and aggregation of nanoparticles	Akinobu Yamaguchi	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	3	BL40B2	Np
26	2020A0546	Analysis of mechanical properties and dependence of water content of polymer materials composed of movable crosslinks characterized by FTIR under temperature and humidity control	Yoshinori Takashima	Osaka University	Japan	Educational Organization	Materials Science and Engineering	12	BL43IR	Np
27	2020A0548	Precise SAXS analysis of herical microphase-separated structures formed by ABAC tetrablock terpolymers.	Atsushi Takano	Nagoya University	Japan	Educational Organization	Chemical Science	6	BL40B2	Np
28	2020A0549	The role of excess Fe atoms in FeSe at superconducting temperature	Shinya Hosokawa	Kumamoto University	Japan	Educational Organization	Materials Science and Engineering	12	BL13XU	Np
29	2020A0554	Crystal Structure Determination of Novel MOFs with Low Dimensional Semiconductor Synthesized by Integration of High Throughput Screening Systems and Machine Learning	Daisuke Tanaka	Kwansei Gakuin University	Japan	Educational Organization	Chemical Science	6	BL02B1	Np
30	2020A0557	X-Ray Structural Analysis for Adsorbed molecules in Robust Metal-organic Frameworks.	Koh Sugamata	Rikkyo University	Japan	Educational Organization	Chemical Science	6	BL02B1	Np
31	2020A0558	Development of next-generation high Performance Catalyst Using Metal Phosphide Nanoalloys: Investigation of the Structure-Activity Relationship	Takato Mitsudome	Osaka University	Japan	Educational Organization	Chemical Science	9	BL01B1	Np
32	2020A0559	Improvement of multi-beam X-ray imaging system for ms-order-temporal-resolution 4D X-ray tomography	Wataru Yashiro	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	18	BL28B2	Np
33	2020A0560	Development of X-ray elastographic tomography using propagating shear waves	Wataru Yashiro	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	9	BL28B2	Np
34	2020A0561	Synchrotron X-ray micro-CT imaging of the early Cambrian spheroidal microfossils: Reconfirmation of Metazoan embryo fossils and reexamination of Punctuated equilibrium	Tsuyoshi Komiya	The University of Tokyo	Japan	Educational Organization	Earth and Planetary Science	6	BL20XU	Np
35	2020A0565	In-situ reduction and oxidation study of 3d transition metal multinuclear nanoclusters in microporous materials	Benedict Lo	The Hong Kong Polytechnic University	Hong Kong	Foreign	Chemical Science	6	BL01B1	Np
36	2020A0567	Study of the relationship between internal structure and local dynamics of rubber by quasielastic gamma-ray scattering.	Ryo Mashita	Sumitomo Rubber Industries, Ltd.	Japan	Industry	Industrial Applications	15	BL09XU	Np
37	2020A0568	Tuning Local Structure of Polymer Electrolytes for High-Performance All-Solid Lithium-ion Batteries	Yu Katayama	Yamaguchi University	Japan	Educational Organization	Chemical Science	9	BL04B2	Np
38	2020A0570	Structure Analysis of Microplastics by Synchrotron Radiation IR Spectroscopy	Atsushi Takahara	Kyushu University	Japan	Educational Organization	Chemical Science	6	BL43IR	Np
39	2020A0571	Pressure effect of thermocouple electromotive force: technical development for measurements at higher pressure	Yu Nishihara	Ehime University	Japan	Educational Organization	Earth and Planetary Science	9	BL04B1	Np
40	2020A0576	Structural investigation of novel high-temperature superconductors: ternary lanthanum polyhydrides	Ivan Troyan	FSRC Crystallography and Photonics RAS.	Russia	Foreign	Materials Science and Engineering	6	BL10XU	Np
41	2020A0579	High Energy X-ray Diffraction of Chalcogenide Glass around Deformation Temperature	Naoyuki Kitamura	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Materials Science and Engineering	9	BL04B2	Np
42	2020A0583	Structure-magnetism relationship in magnetoplumbite-derived cobalt oxides	Ikuya Yamada	Osaka Prefecture University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np

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43	2020A0586	Elucidation of co-catalytic function of Ni nanoparticle loaded on photo-catalysts surface using resonant Hard X-ray Photoelectron Spectroscopy and Absorption Spectroscopy	Eiji Ikenaga	Nagoya University	Japan	Educational Organization	Chemical Science	12	BL09XU	Np
44	2020A0588	Structure analysis of lithium silicate glasses by complementary use of X-ray diffraction and neutron diffraction	Hirokazu Masai	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL04B2	Np
45	2020A0589	Morphotropic Phase Boundary in New Lead-Free Piezoelectric Materials Based on Na _{1/2} Bi _{1/2} VO ₃	Zhao Pan	Tokyo Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
46	2020A0593	Elucidation of structural changes of amorphous Al ₂ O ₃ under extreme pressures.	Motohiko Murakami	ETH Zurich	Switzerland	Foreign	Earth and Planetary Science	6	BL10XU	Np
47	2020A0597	In situ observation of the states of ions exchanged in zeolites and their roles in adsorption processes through the measurement of far-infrared spectra with the aid of synchrotron radiation apparatus and its establishment as the in-situ analysis method - 5 -	Yasushige Kuroda	Okayama University	Japan	Educational Organization	Chemical Science	3	BL43IR	Np
48	2020A0599	Structural Investigation of He Atomic Layers on Graphene and Graphite in Ultra-Low Temperatures	Akira Yamaguchi	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	9	BL13XU	Np
49	2020A0600	Investigation of pressure-induced structural changes in B ₂ O ₃ glass by using newly developed pair distribution function measurement of glass under high-pressure conditions	Yoshio Kono	Ehime University	Japan	Educational Organization	Earth and Planetary Science	9	BL37XU	Np
50	2020A0602	Initial analysis of Hayabusa2 samples using X-ray tomography; development and evaluation of the analytical method and rehearsal analysis.	Akira Tsuchiyama	Ritsumeikan University	Japan	Educational Organization	Earth and Planetary Science	18	BL47XU	Np
51	2020A0603	Control of the self-assembling reaction of rare-earth metal ions in the internal space of super-ionic conducting crystals	Nobuto Yoshinari	Osaka University	Japan	Educational Organization	Chemical Science	3	BL02B1	Np
52	2020A0606	Magnetic multipole electronic structures in antiferromagnets	Kenta Kuroda	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	18	BL25SU	Np
53	2020A0608	In-situ observation for the formation process of LPSO structure in the Mg alloys by X-ray spectroscopic imaging	Maiko Nishibori	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	10	BL37XU	Np
54	2020A0609	7-meV excitation mode enhanced with devil's staircase transition of CeSb revealed by inelastic X-ray scattering spectroscopy	Kenta Kuroda	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	15	BL35XU	Np
55	2020A0611	Design Cu based binary metal oxide system for selective NH ₃ oxidation	Feng Ryan Wang	University College London	UK	Foreign	Chemical Science	12	BL01B1	Np
56	2020A0614	Three-dimensional analysis of spinal cord of multiple sclerosis model mouse treated with regenerative associate cells	Ryuta Mizutani	Tokai University	Japan	Educational Organization	Life Science	12	BL20XU	Np
57	2020A0615	Structure analysis of interface layer between an easily transferable epitaxial single-layer graphene and SiC substrate	Tetsuro Shirasawa	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Materials Science and Engineering	9	BL13XU	Np
58	2020A0616	Supramolecular structures of transfersomes in a hydrated deep eutectic solvent and their relationship to the skin penetration	Mina Sakuragi	Sojo University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
59	2020A0617	Structural determination of adsorption processes of flexible porous coordination polymers with having high gas sorption/separation selectivity	Susumu Kitagawa	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B1	Np
60	2020A0618	Structural analysis of catalytically active species for stereospecific styrene polymerization by titanium catalysts by solution XAFS analysis	Kotohiro Nomura	Tokyo Metropolitan University	Japan	Educational Organization	Chemical Science	2	BL01B1	Np
61	2020A0619	Water transportation to the mantle transition zone: the crystal structures and phase relation of FeTi oxyhydroxides.	Kyoko Matsukage	TEIKYO University of Science	Japan	Educational Organization	Earth and Planetary Science	12	BL04B1	Np
62	2020A0622	Investigation of atomic scale structure of Ru _x Ir _{1-x} nanoparticles and nanocorals catalysts for the electrochemical oxygen evolution reaction (OER)	Rosantha Kumara	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL04B2	Np
63	2020A0623	Equation of state for ice VIII at extremely low temperature	Hiroshi Fukui	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	6	BL10XU	Np

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64	2020A0624	Information propagation property for physical computing in dipole-coupled nanomagnet array	Hikaru Nomura	Osaka University	Japan	Educational Organization	Materials Science and Engineering	6	BL25SU	Np
65	2020A0625	Observation of the Hierarchical Aggregation Structure of the Cellulose Nano Fiber dispersed Urethane rubbers	Keisuke Itoh	Industrial Technology Institute, Miyagi Prefectural Government	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL40B2	Np
66	2020A0627	Evaluation of molecular aggregation state in novel organic-inorganic hybrid materials with well-controlled stereoregularity	Tomoyasu Hirai	Osaka Institute of Technology	Japan	Educational Organization	Chemical Science	6	BL40B2	Np
67	2020A0628	Strain-controlled electronic state of a new europium oxyhydride	Hiroshi Takatsu	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL01B1	Np
68	2020A0629	Nanoscale Imaging of Chemical State of Lithium Battery Active Materials Using Ptychography-XAFS Methods	Yukio Takahashi	Tohoku University	Japan	Educational Organization	Chemical Science	18	BL27SU	Np
69	2020A0630	Bulk superconducting properties and resistivity anomaly in Pb-substituted non-symmorphic BiS ₂ superconductors studied by HERFD-XAS	Atsushi Yamasaki	Konan University	Japan	Educational Organization	Materials Science and Engineering	9	BL39XU	Np
70	2020A0631	Development of atomic resolution holography measurement system using intercalated layered semiconductor	Tomohiro Matsushita	Nara Institute of Science and Technology	Japan	Educational Organization	Materials Science and Engineering	9	BL25SU	Np
71	2020A0632	In situ X-ray diffraction studies of thermogenesis in insect flight muscles	Madoka Suzuki	Osaka University	Japan	Educational Organization	Life Science	9	BL40XU	Np
72	2020A0634	Atomic structure analysis of Al ₂ O ₃ /GaN and Al ₂ O ₃ /Diamond interfaces by photo-electron holography	Mami Fujii	Nara Institute of Science and Technology	Japan	Educational Organization	Materials Science and Engineering	9	BL25SU	Np
73	2020A0636	Development of DAC operating with ultra-fine actuator and investigation of lattice parameter's anomaly in oxide compounds under high pressure	Hitoshi Yusa	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL10XU	Np
74	2020A0637*	Analysis of Crystal Structure of LaAgSb ₂	Yoshikazu Tanaka	RIKEN	Japan	National and Nonprofit Organization	Materials Science and Engineering	3	BL02B1	Np
75	2020A0639	Real space mapping of microscope IR spectroscopy in molecular materials with strongly correlated electrons	Takahiko Sasaki	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	12	BL43IR	Np
76	2020A0641	Determination of atom substitution site of Sn dopant in Sn: Ga ₂ O ₃ : DAFS characterization.	Kazushi Miki	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	3	BL01B1	Np
77	2020A0646	Grain refinement and precipitation under high pressure in aluminum and magnesium alloys	Takahiro Masuda	Yokohama National University	Japan	Educational Organization	Materials Science and Engineering	6	BL04B1	Np
78	2020A0648	Localization of Mn 3d electron in lithium rich positive electrode material using magnetic Compton scattering	Kosuke Suzuki	Gunma University	Japan	Educational Organization	Materials Science and Engineering	12	BL08W	Np
79	2020A0649	Structural determination of adsorption processes of flexible porous coordination polymers having open metal sites	Susumu Kitagawa	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
80	2020A0651	Nanoscale morphology control and structural analysis of narrow bandgap polymer semiconductor thin films for photothermoelectric conversion devices	Hidetoshi Matsumoto	Tokyo Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	3	BL40B2	Np
81	2020A0655	Observation of the formation processes of interfacial debonding between fibers and matrix of composites under fatigue loading	Kosuke Takahashi	Hokkaido University	Japan	Educational Organization	Materials Science and Engineering	12	BL20XU	Np
82	2020A0658	Microscale distribution and speciation of legacy P in Andsols accumulated by excess application of fertilizer	Noriko Yamaguchi	National Agriculture and Food Research Organization	Japan	National and Nonprofit Organization	Environmental Science	6	BL27SU	Np
83	2020A0662	Study on the origin of phonon spectrum at low energy side for single-crystalline SiGe by inelastic X-ray scattering at low temperature	Ryo Yokogawa	Meiji University	Japan	Educational Organization	Materials Science and Engineering	9	BL35XU	Np
84	2020A0663	Elucidation of pressure-temperature phase diagram in 1T-VSe ₂ with incommensurate charge density wave transition by X-ray diffraction under high pressure using several single crystals	Shunsuke Kitou	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	6	BL10XU	Np
85	2020A0664	Structural investigation of high-performance Li-rich cathode material (Li _x Na _{1-x})NiO ₂	Toshiyuki Matsunaga	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np

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86	2020A0665	Microcrystal X-ray Structural Analysis for Extremely Unstable and Reactive Organometallic Catalysts	Hikaru Takaya	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL40XU	Np
87	2020A0670	The phase-contrast X-ray μ CT technique applied to dinosaur bone histology: establishing a non-destructive analytical method to determine ages of fossilized dinosaurs at their deaths and determining age distribution of the dinosaur assemblage in Kitadani Dinosaur Quarry, Katsuyama, Fukui, Japan	Takuya Imai	Fukui Prefectural University	Japan	Educational Organization	Life Science	8	BL28B2	Np
88	2020A0672	Characterization of surface coordination environment of atomically-precise gold cluster catalyst supported on metal oxide containing sulfur as an anchoring site	Shinya Masuda	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	6	BL01B1	Np
89	2020A0673	X-ray microscopic phase imaging/tomography by using pi phase grating	Atsushi Momose	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	12	BL37XU	Np
90	2020A0678*	Oriental orders of inorganic plastic crystal NH ₄ SCN with inverse colossal barocaloric effects	Bing Li	Chinese Academy of Sciences	China	Foreign	Materials Science and Engineering	6	BL04B2	Np
91	2020A0680	In-situ observation of local atomic structure in ferroelectric single crystalline thin film under an electric field	Seiji Nakashima	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	12	BL37XU	Np
92	2020A0682	Radical Quencher Distribution Analysis in Polymer Electrolyte Membrane of PEM Fuel Cells using Micro-beam X-ray Fluorescence Spectroscopy	Yuki Oriasa	Ritsumeikan University	Japan	Educational Organization	Chemical Science	9	BL37XU	Np
93	2020A0683	Evaluation of damage propagation in laser processing by pink-beam 4D phase tomography	Atsushi Momose	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	9	BL28B2	Np
94	2020A0684	Study on the formation mechanism of highly-dense Ru/V oxide interface in supported Ru-V hybrid cluster catalyst	Shun Hayashi	Tokyo Metropolitan University	Japan	Educational Organization	Chemical Science	6	BL01B1	Np
95	2020A0687	Time resolved analysis of zeolite formation mechanism at atomic and nano scales: Towards the design of novel functional zeolites	Toru Wakihara	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	12	BL04B2	Np
96	2020A0688	Analytical development for the discovery of Martian organic materials using Martian carbonate analogues	Haruna Sugahara	Japan Aerospace Exploration Agency	Japan	National and Nonprofit Organization	Earth and Planetary Science	11.625	BL27SU	Np
97	2020A0690	Time-resolved crystal structure analysis of relaxor ferroelectrics under alternating electric field at low temperature	Shinobu Aoyagi	Nagoya City University	Japan	Educational Organization	Materials Science and Engineering	9	BL02B1	Np
98	2020A0693	Development of quasi-elastic gamma-ray scattering system in energy domain	Makina Saito	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	21	BL09XU	Np
99	2020A0694	Determination of structure of unique glass phase II of triphenyl phosphite supposed to exhibit liquid-liquid phase transition	Makina Saito	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL04B2	Np
100	2020A0695	Catalytic properties and metal-support interaction of atomically precise metal nanocluster	Tokuhisa Kawawaki	Tokyo University of Science	Japan	Educational Organization	Materials Science and Engineering	9	BL01B1	Np
101	2020A0697	Local structure analysis of halide doped sulfide solid electrolyte by using high energy X-ray diffraction with anomalous scattering	Kentaro Yamamoto	Kyoto University	Japan	Educational Organization	Chemical Science	3	BL13XU	Np
102	2020A0701	Impact of glass structure and phase separation on nucleation process of glasses investigated by high temperature in situ total X-ray scattering	Kenji Shinozaki	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL08W	Np
103	2020A0702	High temperature generation by a machinable boron-doped diamond heater in a Kawai-type apparatus and its application	Noriyoshi Tsujino	Okayama University	Japan	Educational Organization	Earth and Planetary Science	3	BL04B1	Np
104	2020A0704	Visualization of Local Electron Distribution in Sulfide Solid Electrolytes by Compton Scattering	Koji Ohara	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL08W	Np
105	2020A0706	Electronic structure of the novel temperature-induced valence transition system Eu ₂ Pt ₆ (Al _{1-x} Gax) ₁₅ investigated by high-energy resolution fluorescence detection x-ray absorption and x-ray emission spectroscopies	Kojiro Mimura	Osaka Prefecture University	Japan	Educational Organization	Materials Science and Engineering	9	BL39XU	Np
106	2020A0709	A structural study of amorphous zeolite-MOF hybrid materials	Pu Zhao	University of Oxford	UK	Foreign	Materials Science and Engineering	6	BL04B2	Np

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107	2020A0710	Evaluation of change in chemical bonding state of storage layer of Metal Insulator Metal memory using interfacial dipole modulation by applied bias	Hiroshi Nohira	Tokyo City University	Japan	Educational Organization	Materials Science and Engineering	6	BL47XU	Np
108	2020A0714	Anion configuration geometry of VO4H2 octahedra in a novel vanadium oxyhydride revealed by linearly polarized XANES measurements	Hiroshi Takatsu	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL27SU	Np
109	2020A0715	Elucidation of catalysis of hybrid metal oxide clusters by in-situ operando measurements using solution XAFS and UV-Vis	Seiji Yamazoe	Tokyo Metropolitan University	Japan	Educational Organization	Materials Science and Engineering	6	BL01B1	Np
110	2020A0716	Development of a nano-scale measurement of the cross-bridge behavior in the physiological muscle contraction with three dimensional muscle structure, nerve innervation, and blood flow intact	Atsuki Fukutani	Ritsumeikan University	Japan	Educational Organization	Life Science	9	BL40XU	Np
111	2020A0718	Investigation of damping mechanism of damping material compounding fine particle by using micro X-ray CT under the dynamic load.	Masami Matsubara	Toyohashi University of Technology	Japan	Educational Organization	Materials Science and Engineering	9	BL20XU	Np
112	2020A0721	Study on strain-induced crystallization of cross-linked rubbers having apparent molecular weights between the cross-linking points	Yuko Ikeda	Kyoto Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	3	BL40XU	Np
113	2020A0723	Aggregation Properties of Homogeneous Polyoxyethylene Alkyl Ether Sulfate with Single Chain Length in Aqueous Solution	Tomokazu Yoshimura	Nara Women's University	Japan	Educational Organization	Materials Science and Engineering	3	BL40B2	Np
114	2020A0725	Direct observation of spin state transition and charge transfer in double perovskites 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
115	2020A0728	Experimental evaluation of the reaction area for triple phase boundary reaction in a solid oxide fuel cell air electrode by using operando high temperature electrochemical nano XAS	Koji Amezawa	Tohoku University	Japan	Educational Organization	Chemical Science	12	BL37XU	Np
116	2020A0730	Anomalous enhancement of 4f-5d Coulomb interaction near the quantum valence critical point	Kentaro Kuga	Toyota Technological Institute	Japan	Educational Organization	Materials Science and Engineering	12	BL09XU	Np
117	2020A0731	Electronic structure of lattice unrelaxed high-Tc heavily boron-doped diamond: Soft x-ray ARPES study	Takayoshi Yokoya	Okayama University	Japan	Educational Organization	Materials Science and Engineering	12	BL25SU	Np
118	2020A0732	Observation of three-dimensional momentum-resolved semimetallic band related to the magnetic ordering for van der Waals triangular lattice semimetal GdGaI ₃ proved by soft X-ray angle-resolved photoemission spectroscopy	Kohei Yamagami	Okinawa Institute of Science and Technology Graduate University	Japan	Educational Organization	Materials Science and Engineering	11.75	BL25SU	Np
119	2020A0734	Photoelectron holography of candidate exotic superconductor La(O,F)Bi(S,Se) ₂ : Relation between local structure around Bi atom and superconducting properties	Takayoshi Yokoya	Okayama University	Japan	Educational Organization	Materials Science and Engineering	9	BL25SU	Np
120	2020A0737	Observation of semisolid deformation in Al alloys at a high solid fraction (> 0.9) by using 4D-CT and 3DXRD	Taka Narumi	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	9	BL20XU	Np
121	2020A0740	Investigation of the pressure-induced phase transition in a exotic spin-triplet superconductor UTe ₂ -precise structural analysis under high pressure-	Fuminori Honda	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	6	BL10XU	Np
122	2020A0741	Study of the superconducting properties and pressure-induced phase transition in an exotic spin-triplet superconductor UTe ₂ from the view point of a uranium 5f valence state - Precise valence estimation under high pressure-	Fuminori Honda	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	15	BL39XU	Np
123	2020A0746	Development of a Hard X-ray Telescope for a Balloon X-ray Polarimetry XL-Calibur III	Yoshitomo Maeda	Japan Aerospace Exploration Agency	Japan	National and Nonprofit Organization	Elementary Particles, Nuclear Science	9	BL20B2	Np
124	2020A0747	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	3	BL45XU	Np
125	2020A0748	operando soft X-ray absorption spectroscopy study of Pt-based catalyst for Polymer Electrolyte Fuel Cell	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Chemical Science	12	BL27SU	Np
126	2020A0749	Evaluation of the interfacial stability in all solid state batteries by operando depth resolved soft X-ray absorption spectroscopy.	Takashi Nakamura	Tohoku University	Japan	Educational Organization	Chemical Science	9	BL27SU	Np

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127	2020A0750	Structural Analyses of Polymer and Supra-Molecular Self-Assemblies Potentially Applicable to Nanoparticle Therapeutics	Takahiro Sato	Osaka University	Japan	Educational Organization	Chemical Science	3	BL40B2	Np
128	2020A0752	Ultimate Control of Thermal Transport by Direct Observation of Coherent Phonon Bands in Superlattice Structures	Junichiro Shiomi	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	8.625	BL35XU	Np
129	2020A0753	Investigation of local structure of Pt/C catalyst for polymer electrolyte fuel cells via high energy X-ray diffraction	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL08W	Np
130	2020A0754	Interfacial structural analysis between electrode and ionomer for polymer electrolyte fuel cells under humidity using operando grazing incidence small-angle x-ray scattering	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL40B2	Np
131	2020A0755	Elucidating Structure/Function Relationships in 2D Metal Oxide Electrocatalyst using In-situ High Energy X-Ray Diffraction Coupled to Atomic Pair Distribution Function Analysis	Nick Bedford	University of New South Wales	Australia	Foreign	Materials Science and Engineering	9	BL08W	Np
132	2020A0757	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	6	BL26B1	Np
133	2020A0758	Shear deformation in chlorite at high pressures	Tomoaki Kubo	Kyushu University	Japan	Educational Organization	Earth and Planetary Science	9	BL04B1	Np
134	2020A0760	Electron Yield X-ray Absorption Spectroscopy of Sodium Ion on the Sodium Dodecyl Sulfate Aqueous Solution	Hajime Tanida	Japan Atomic Energy Agency	Japan	National and Nonprofit Organization	Chemical Science	6	BL27SU	Np
135	2020A0763	Determination of crystal structure of highly ordered Fe-Al intermetallic compounds	Haruyuki Inui	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B1	Np
136	2020A0766	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
137	2020A0767	In situ observation of formation process of amorphous Si from supercooled liquid Si	Junpei Okada	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	15	BL08W	Np
138	2020A0769	Effect of Ti and Zr on coarsening of gamma-phase (austenite) grains after a massive-like transformation	Hideyuki Yasuda	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	9	BL20XU	Np
139	2020A0770	A comprehensive analysis of dehydrated meteorites by SR-CT-XRD in atmosphere-shielded environment	Masayuki Uesugi	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Earth and Planetary Science	6	BL20XU	Np
140	2020A0771	in situ X-ray scattering of the freezing process of an aerosol single droplet ultrasonically levitated	Toshio Yamaguchi	Fukuoka University	Japan	Educational Organization	Chemical Science	9	BL08W	Np
141	2020A0772	Determination of chemical-state and electronic state of Cs, Ba, and La incorporated into phyllosilicates by high energy resolution fluorescence detection XANES	Yoshio Takahashi	The University of Tokyo	Japan	Educational Organization	Environmental Science	6	BL39XU	Np
142	2020A0773	Synchrotron X-ray CT analysis of Japanese swords called Hizen-to made in Hizen province from 1596 to 1781 to clarify their making techniques	Manako Tanaka	Showa Women's University	Japan	Educational Organization	Other	6	BL28B2	Np
143	2020A0774	Elucidation of dominant factor for deterioration of electrolyte membranes of polymer electrolyte fuel cells	Tomoyasu Hirai	Osaka Institute of Technology	Japan	Educational Organization	Chemical Science	3	BL40XU	Np
144	2020A0778	Study on cellular dynamics of metal distribution in the renal proximal tubules	Shino Takeda	National Institutes for Quantum and Radiological Science and Technology	Japan	National and Nonprofit Organization	Medical Applications	11.75	BL37XU	Np
145	2020A0788	Analysys of local strain in hexagonal-column GaN-nanowires by using X-ray nano-beam crystal-truncation-rod scattering and the determination of indium composition in Ga(1-x)In(x)N/GaN multi-qantum-wells on the side-wall	Takao Miyajima	Meijo University	Japan	Educational Organization	Materials Science and Engineering	6	BL40XU	Np
146	2020A0790	Preliminary experiment for characterization of samples from Asteroid Ryugu based on chondrite-normalized rare earth element pattern obtained by high-energy synchrotron radiation XRF analysis	Izumi Nakai	Tokyo University of Science	Japan	Educational Organization	Earth and Planetary Science	3	BL08W	Np
147	2020A0793	Observation of ferroelectric-to-paraelectric phase transitions in cation-deficient perovskite oxides	Koji Fujita	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np

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148	2020A0797	Construction of breakage function based on internal structure for one particle	Satoru Watano	Osaka Prefecture University	Japan	Educational Organization	Industrial Applications	6	BL47XU	Np
149	2020A0801	Single crystal X-ray structure analyses of pressure-induced dual-emissive dinuclear iodo-copper(I) complexes.	Yoshiki Ozawa	University of Hyogo	Japan	Educational Organization	Chemical Science	6	BL10XU	Np
150	2020A0803	Exploration of topological bulk band structures in ferromagnetic alloy films exhibiting gigantic anomalous Nernst effect	Akio Kimura	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	15	BL25SU	Np
151	2020A0808	Investigation of Unique Structure Transformation on Various pi-conjugated Molecules via the Addition of Outer Stimuli	Yumi Yakiyama	Osaka University	Japan	Educational Organization	Chemical Science	3	BL02B1	Np
152	2020A0809	Structural analysis of DNA-nanoparticle superlattice with low particle volume fraction	Miho Tagawa	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
153	2020A0811	Stability and elastic property of Fe2P under high pressure	Yoichi Nakajima	Kumamoto University	Japan	Educational Organization	Earth and Planetary Science	6	BL10XU	Np
154	2020A0813	Study on effect of moisturizer based upon the structural modification of stratum comeum with its application 2—With paying attention to the difference of moisturizers—	takeshi yamada	SAKAMOTO YAKUHIN KOGYO CO., LTD	Japan	Industry	Industrial Applications	6	BL40B2	Np
155	2020A0814	IR Micro Mapping Measurements of Particulates in Rubber	Takayuki Maruyama	Bridgestone Corporation	Japan	Industry	Industrial Applications	9	BL43IR	Np
156	2020A0816	Hard X-ray magnetic tomography and high-resolution 3D-microstructure observation for the study on coercivity mechanism of fine-grain Nd-Fe-B sintered magnets	Satoshi Okamoto	Tohoku University	Japan	Educational Organization	Industrial Applications	18	BL39XU	Np
157	2020A0849	Analysis of Path Formation for Lithium Ion Conductors by Compton Scattering	Futoshi Utsuno	Idemitsu Kosan Co.,Ltd.	Japan	Industry	Industrial Applications	9	BL08W	Np
158	2020A1025	X-ray single crystal structural analysis for structural determination of low molecular organic compound	Takahiko Hashizuka	Sumitomo Dainippon Pharma Co., Ltd.	Japan	Industry	Industrial Applications	2	BL02B1	P
159	2020A1026	X-ray Imaging Study of Li-ion Battery	Hisao Yamashige	TOYOTA MOTOR CORPORATION	Japan	Industry	Industrial Applications	18	BL20XU	P
160	2020A1027	X-ray Imaging Study of Li-ion Battery	Hisao Yamashige	TOYOTA MOTOR CORPORATION	Japan	Industry	Industrial Applications	6	BL47XU	P
161	2020A1028	Soft X-ray spectroscopy analysis of applied materials	Takashi Oyama	Murata Manufacturing Co., Ltd.	Japan	Industry	Industrial Applications	8	BL25SU	P
162	2020A1029	Soft X-ray spectroscopy analysis of ferrite materials	Takashi Oyama	Murata Manufacturing Co., Ltd.	Japan	Industry	Industrial Applications	9	BL25SU	P
163	2020A1030	HAXPES study of semiconductor materials	Munetaka Taguchi	TOSHIBA NANOANALYSIS CORPORATION	Japan	Industry	Industrial Applications	3	BL47XU	P
164	2020A1031	Structure measurement of aluminosilicate glasses by X-ray scattering	Atsushi Tanaka	Nippon Electric Glass Co.,Ltd.	Japan	Industry	Materials Science and Engineering	2.875	BL04B2	P
165	2020A1032	Characterization of oxide film on metal using HAXPES	Katsuhiro Nishihara	Nippon Steel Corporation	Japan	Industry	Industrial Applications	6	BL47XU	P
166	2020A1033	Structure Analysis of Active Materials	Satoru Ohuchi	Panasonic Corporation	Japan	Industry	Industrial Applications	2.875	BL04B2	P
167	2020A1034	Verification of Crystal Plasticity Finite Element Stress Analysis	Kimihsa Sakima	Mitsubishi Heavy Industries, Ltd.	Japan	Industry	Industrial Applications	8	BL28B2	P
168	2020A1035	Experiment of optimization of X-ray energy for high resolution CT measurement	Manabu Kodama	Tokyo Institute of Technology	Japan	Educational Organization	Chemical Science	2	BL20XU	P
169	2020A1036	Experiment of optimization of X-ray energy for high resolution CT measurement	Manabu Kodama	Tokyo Institute of Technology	Japan	Educational Organization	Industrial Applications	2	BL47XU	P

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170	2020A1037	Analysis of particle dynamics in thin films by XPCS	Takashi Matsui	FUJIFILM Corporation	Japan	Industry	Industrial Applications	0.625	BL05XU	P
171	2020A1038	Small and wide angle X-ray scattering studies of structure of fluororesins	Toshiyuki Fukushima	DAIKIN INDUSTRIES, LTD.	Japan	Industry	Materials Science and Engineering	1	BL40B2	P
172	2020A1039	Evaluation of GaN crystal by X-ray topography	Masakazu Kanechika	Nagoya University	Japan	Educational Organization	Industrial Applications	2	BL20B2	P
173	2020A1040	The manageability efficacy of novel cosmetic ingredients on the physical properties of hair fiber.	Isaac eng ting Lee	NIHON L'ORÉAL K.K.	Japan	Industry	Industrial Applications	2	BL40XU	P
174	2020A1041	Analysis of intermediate-range structure of functional materials by X-ray total scattering.	Takashi Matsui	FUJIFILM Corporation	Japan	Industry	Industrial Applications	3	BL04B2	P
175	2020A1042	Dynamic structural evaluation of bio-based material surface in solvent application process.	Hidetaka Akatsuka	Pola Chemical Industries, Inc.	Japan	Industry	Industrial Applications	1	BL05XU	P
176	2020A1043	Study on the electronic state of inorganic semiconductor materials	Ryouji Arai	Sony Corporation	Japan	Industry	Industrial Applications	3	BL46XU	P
177	2020A1045	Crystal structure analysis and residual stress measurement of BaTiO ₃ -based MLCC by high resolution x-ray diffraction	Ryo Osone	KYOCERA Corporation	Japan	Industry	Industrial Applications	2	BL46XU	P
178	2020A1046	Structural Analysis fo Polyolefin films(4)	Go Matsuba	Yamagata University	Japan	Educational Organization	Industrial Applications	2	BL19B2	P
179	2020A1047	2nd Evaluation of silicon crystals using hard X-ray photoemission spectroscopy (HAXPES)	Masataka Hourai	SUMCO CORPORATION	Japan	Industry	Industrial Applications	3	BL46XU	P
180	2020A1048	Feasibility Study for X-ray Imaging by Synchrotron Radiation X-ray	Akira Taniyama	Nippon Steel Corporation	Japan	Industry	Industrial Applications	6	BL46XU	P
181	2020A1050	Towards a better molecular understanding of myosinopathies	Julien Ochala	University of Copenhagen	Denmark	Foreign	Life Science	12	BL40XU	Np
182	2020A1052	Local structural changes in temperature-driven antiferroelectric and ferroelectric transitions	Jun Chen	University of Science and Technology Beijing	China	Foreign	Materials Science and Engineering	6	BL44B2	Np
183	2020A1054	investigation on the structure and origin of high-performance KNN-based lead-free piezoelectric ceramics	Jun Chen	University of Science and Technology Beijing	China	Foreign	Materials Science and Engineering	9	BL44B2	Np
184	2020A1056	Facile X-Ray Structural Analysis for Microcrystals of Novel pi-Conjugated Compounds Containing Several Main Group Elements	Takahiro Sasamori	Nagoya City University	Japan	Educational Organization	Chemical Science	6	BL02B1	Np
185	2020A1059	Local structural analysis on slowly fluctuating orbital molecules in an inorganic crystal	Naoyuki Katayama	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	15	BL04B2	Np
186	2020A1061	Na concentration (x) - temperature (T) phase diagram of Prussian blue analogues	Yutaka Moritomo	University of Tsukuba	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
187	2020A1062	in-site XAFS analysis for the formation mechanism of multi-component metal nanoparticles induced by the hydrogen spill-over	Kohsuke Mori	Osaka University	Japan	Educational Organization	Chemical Science	6	BL01B1	Np
188	2020A1063	Development of novel pressure technique, which enables to apply negative pressure on bulk materials	Naoyuki Katayama	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
189	2020A1064	In-situ XAFS Analysis of Oxygen-deficient Molybdenum Oxide Active for CO ₂ Hydrogenation Reaction	Yasutaka Kuwahara	Osaka University	Japan	Educational Organization	Chemical Science	6	BL01B1	Np
190	2020A1065	Real space mapping of charge states by SR-microscope imaging IR spectroscopy in molecular materials with strongly correlated electrons	Takahiko Sasaki	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	11.875	BL43IR	Np
191	2020A1066	Rapid X-Ray Crystallographic Analysis of Heteroatom-embedded Nanographene Materials by High-Brightness Microbeam	Takuji Hatakeyama	Kwansei Gakuin University	Japan	Educational Organization	Chemical Science	6	BL02B1	Np

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192	2020A1068	Direct observation of a topochemical redox reaction by using synchrotron X-ray	Takafumi Yamamoto	Tokyo Institute of Technology	Japan	Educational Organization	Chemical Science	3	BL02B2	Np
193	2020A1070	Structural analysis of Glycohydrogels and in situ observation of the hydrogel formation by SAXS measurements.	Tomoki Nishimura	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
194	2020A1072	Time Resolved Analysis of the Phase Transitions between Rod-like and Discotic Liquid Crystalline Phases by heating and UV light irradiation	Kingo Uchida	Ryukoku University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
195	2020A1073	Subcellular resolution X-ray fluorescence imaging of element-tagged molecular markers in breast cancer tissue	Merrick Strotton	University of Zurich	Switzerland	Foreign	Life Science	15	BL37XU	Np
196	2020A1075	Imaging Hierarchical Structures of Surface using Coherent X-ray Scattering	Hiroo Tajiri	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	12	BL13XU	Np
197	2020A1076	Effect of phase state on the transdermal drug penetration enhancing effect of external preparations using supramolecular assemblies or ionic liquids	Kaname Hashizaki	Nihon University	Japan	Educational Organization	Materials Science and Engineering	3	BL40B2	Np
198	2020A1077	Crystal structure analysis of small crystals of μ -nitrido-bridged iron phthalocyanine dimers possessing high catalytic methane oxidation ability	Yasuyuki Yamada	Nagoya University	Japan	Educational Organization	Chemical Science	6	BL02B1	Np
199	2020A1078	Study on the formation of higher-order structure with mixed crystal polymorphism of propylene random copolymer	Ken Taguchi	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
200	2020A1079	In situ Investigation of the working mechanisms of artificial SEI protected Lithium anode during battery operation	Fu Sun	Chinese Academy of Sciences	China	Foreign	Chemical Science	8.75	BL20XU	Np
201	2020A1081	A combined Operando XAS-DRIFTS observation on LaAlO3 perovskite catalysts for methane oxidative coupling	Tsunehiro Tanaka	Kyoto University	Japan	Educational Organization	Chemical Science	9	BL01B1	Np
202	2020A1082	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
203	2020A1084	Tomography for bridging nano and macro: semi-spontaneous interfacial debonding	Hiroyuki Toda	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	9	BL20XU	Np
204	2020A1085	Constraints on the asthenosphere structure inferred from the elastic wave velocity measurement of petit spot magma	Tatsuya Sakamaki	Tohoku University	Japan	Educational Organization	Earth and Planetary Science	9	BL04B1	Np
205	2020A1087	Elastic property determination of ϵ -FeOOH at high pressure using inelastic X-ray scattering for understanding the pressure-induced hydrogen-bond symmetrization and iron spin transition in ϵ -FeOOH	Tatsuya Sakamaki	Tohoku University	Japan	Educational Organization	Earth and Planetary Science	15	BL35XU	Np
206	2020A1088	The study of 3d transition metal multinuclear nanoclusters in microporous materials	Benedict Lo	The Hong Kong Polytechnic University	Hong Kong	Foreign	Chemical Science	6	BL02B2	Np
207	2020A1090	Structural characterization of Prussian blue analogue single particle	Yutaka Moritomo	University of Tsukuba	Japan	Educational Organization	Materials Science and Engineering	5.875	BL40XU	Np
208	2020A1092	Systematic study of phase transitions from SrCoO2.5 to H2SrCoO2.5	Haobo Li	Kyoto University	Japan	Educational Organization	Chemical Science	14.875	BL25SU	Np
209	2020A1093	Observation of the dynamics of the "inorganic plastic crystal"	Naoyuki Katayama	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	6	BL37XU	Np
210	2020A1094	Structural analysis of CHA and PHI zeolite with gate-opening CO2 adsorption behavior	Shunsuke Tanaka	Kansai University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
211	2020A1095	Analysis of Hg and other trace element localization in the brain of the small Indian mongoose	Sawako Horai	Tottori University	Japan	Educational Organization	Environmental Science	18	BL37XU	Np
212	2020A1096	Visualizing and Rationalizing synthesis pathway for YBa2Cu3O7-x	Akira Miura	Hokkaido University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
213	2020A1097	Combination effect of Microstructural Damage and Transformation on Macroscopic Deformation Behavior of Trip Steel	Takashi Matsuno	Tottori University	Japan	Educational Organization	Materials Science and Engineering	9	BL28B2	Np

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214	2020A1098	Studies on the proton-lattice interaction in $K_3H(SeO_4)_2$ and $Rb_3H(SeO_4)_2$ with far-infrared microspectroscopy	Hiroshi Matsui	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	6	BL43IR	Np
215	2020A1100	Single-crystal structural analysis of encapsulation of guest molecule into supramolecular tubes	Shinichiro Kawano	Nagoya University	Japan	Educational Organization	Chemical Science	6	BL02B1	Np
216	2020A1101	Time spectrum of x-ray photons with a nuclear parity time symmetry system	Xiangjin Kong	National University of Defense Technology	China	Foreign	Materials Science and Engineering	18	BL09XU	Np
217	2020A1106	Designing novel functional zeolites by time resolved PDF analysis of non-crystalline ingredients and crystalline materials at atomic and nano scales	Toru Wakihara	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	18	BL08W	Np
218	2020A1108	Local Structural Analysis of the $Pb(Fe_{1/2}Nb_{1/2})O_3$ Multiferroic Material at the Magnetic Transition Point using X-ray Total Scattering	Koji Kimura	Nagoya Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	9	BL04B2	Np
219	2020A1111	Study on density fluctuations during early stages of glass crystallization for polypropylene	Takashi Konishi	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
220	2020A1113	Temperature dependence of lamellar thickness in crystallization process for polymer having chiral helical structure	Takashi Konishi	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
221	2020A1114	In situ white X-ray diffraction measurement of the alloying process of Ni-RE system in high-temperature molten salt	Yumi Katasho	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Chemical Science	9	BL28B2	Np
222	2020A1116	Comparative analysis of structural dynamics of flagellar axonemes across distant species studied with X-ray fiber diffraction(2)	Kazuhiro Oiwa	National Institute of Information and Communications Technology	Japan	National and Nonprofit Organization	Life Science	3	BL05XU	Np
223	2020A1117	Construction of Multifunctional Porous Hydrogen-bonded Frameworks	Ichiro Hisaki	Osaka University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B1	Np
224	2020A1119	Development of visualization methodology of pinning magnetic domain by Persistent Homology	Masato Kotsugi	Tokyo University of Science	Japan	Educational Organization	Materials Science and Engineering	9	BL17SU	Np
225	2020A1120	Study of electronic structure of Mg_2Si using HAXPES	Masato Kotsugi	Tokyo University of Science	Japan	Educational Organization	Materials Science and Engineering	15	BL47XU	Np
226	2020A1122	X-ray fluorescence holography measurements on off-centered host atoms in clathrate compound $Eu_8Ga_{16}Ge_{30}$	Masanori Inui	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	8.875	BL39XU	Np
227	2020A1123	Inelastic x-ray scattering measurements for amorphous Ge-Se mixtures focusing on the atomic dynamics at small angles	Masanori Inui	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	17.75	BL35XU	Np
228	2020A1124	Structural Analysis of Transition Metal Complexes Exhibiting External-field Induced Proton Transfer and Electron Transfer	Osamu Sato	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B1	Np
229	2020A1127	Understanding onset and progression mechanism of 3D micro pathology of chronic obstructive pulmonary disease using large-field microscopic synchrotron radiation CT	Noboru Niki	Tokushima University	Japan	Educational Organization	Medical Applications	11.75	BL20B2	Np
230	2020A1129	The operando observation of RuIr-NCs seawater splitting OER catalyst	Hiroshi Kitagawa	Kyoto University	Japan	Educational Organization	Chemical Science	9	BL01B1	Np
231	2020A1130	Operando Crystal-Structure Analysis of RuIr Nanocoral OER catalyst	Kohei Kusada	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	9	BL02B2	Np
232	2020A1131	Operando XAFS measurements for ammonia combustion catalysts	Satoshi Hinokuma	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Industrial Applications	3	BL01B1	Np
233	2020A1132	Molecular structure and functionality of water-soluble polysaccharide derivatives in solution	Ken Terao	Osaka University	Japan	Educational Organization	Chemical Science	6	BL40B2	Np
234	2020A1133*	Development of direct bandgap type Si semiconductors: Determination of Sn sites in novel $SiGeSn$ thin film by X-ray fluorescence holography	Kenji Ohoyama	Ibaraki University	Japan	Educational Organization	Materials Science and Engineering	9	BL13XU	Np

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235	2020A1134	Relationship between local structure and electrode property in Mg ₂ Mo ₃ O ₈ -based layered oxide	Yasushi Idemoto	Tokyo University of Science	Japan	Educational Organization	Chemical Science	9	BL04B2	Np
236	2020A1135	Evaluation of molecular aggregation state in novel organic-inorganic hybrid materials with well-controlled stereoregularity	Tomoyasu Hirai	Osaka Institute of Technology	Japan	Educational Organization	Chemical Science	6	BL40B2	Np
237	2020A1136	Time-space-resolved analysis of piezo-induced lattice deformation in nitride semiconductor HEMT devices by nanobeam X-ray diffraction	Akira Sakai	Osaka University	Japan	Educational Organization	Materials Science and Engineering	15	BL13XU	Np
238	2020A1137	Precise structural analysis of perovskite-type oxides having unusually high valence Fe ion and layer ordering	Masato Goto	Kyoto University	Japan	Educational Organization	Chemical Science	3	BL02B2	Np
239	2020A1138	Observation of crack growth phenomenon of rubber by fast four-dimensional X-Ray CT imaging with X-Ray grating interferometry.	Ryo Mashita	Sumitomo Rubber Industries, Ltd.	Japan	Industry	Industrial Applications	6	BL28B2	Np
240	2020A1139	Structural analysis of the $\sqrt{7}\times\sqrt{3}$ -In-rect on Si(111) $\sqrt{3}\times\sqrt{3}$ -B interface	Hiroyuki Hirayama	Tokyo Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	15	BL13XU	Np
241	2020A1140	Time-resolved observation of relaxation phenomenon of the tire rubber under fracture process by four-dimensional CT technique.	Ryo Mashita	Sumitomo Rubber Industries, Ltd.	Japan	Industry	Industrial Applications	6	BL20B2	Np
242	2020A1141	In-situ XAFS studies of Pt based alloy nanoparticles on the oxide support for the CH ₄ combustion	Osami Sakata	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	9	BL01B1	Np
243	2020A1142	Oxide support effects of Pd-Ru-Ir nanoparticles under exhausted gas condition using the dispersive XAFS measurement	Osami Sakata	National Institute for Materials Science	Japan	National and Nonprofit Organization	Environmental Science	6	BL28B2	Np
244	2020A1144	Understanding the fundamental origin of sudden temperature increase during bulk polymerization	Yasuhito Suzuki	Osaka Prefecture University	Japan	Educational Organization	Chemical Science	3	BL40B2	Np
245	2020A1145	Mapping analysis of microstructures in Neoproterozoic organic microfossils by SR micro-FTIR spectroscopy	Motoko Igisu	Japan Agency for Marine-Earth Science and Technology	Japan	National and Nonprofit Organization	Earth and Planetary Science	6	BL43IR	Np
246	2020A1146	Temperature dependence of the hydration of poly[2-(2-methoxyethoxy)ethyl methacrylate]	Daichi Ida	Kyoto University	Japan	Educational Organization	Chemical Science	3	BL40B2	Np
247	2020A1147	Precise SAXS analysis of morphological transition from double-gyroid structures to double-diamond structure formed by block copolymers.	Atsushi Takano	Nagoya University	Japan	Educational Organization	Chemical Science	5.875	BL40B2	Np
248	2020A1148	XMLD-PEEM study on topological vortex domains of antiferromagnetic phases in layered transition-metal compounds	Takashi Mizokawa	Waseda University	Japan	Educational Organization	Materials Science and Engineering	6	BL17SU	Np
249	2020A1150	Elucidation of solidification cracking propagation of stainless steel during arc welding using X-ray imaging	Tomoya Nagira	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	9	BL20XU	Np
250	2020A1152	The mechanism and control of thermal expansion in LnFe(CN) ₆ (La, Sm, Ho, Lu, Y) frameworks	Qilong Gao	Zhengzhou University	China	Foreign	Chemical Science	3	BL02B2	Np
251	2020A1153	Analysis for Ionic Transport Mechanism of New Fluorine-conductive Electrolytes toward Next-Generation Battery Systems	Shiro Seki	Kogakuin University	Japan	Educational Organization	Chemical Science	15	BL04B2	Np
252	2020A1154	Attempts to Realize Negative Thermal Expansion in Lead-Free Perovskites with Large Tetragonalities	Zhao Pan	Tokyo Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	3	BL44B2	Np
253	2020A1155	Stereo-live imaging of prey capture and feeding processes using jaws by vertebrates	Kohei Hatta	University of Hyogo	Japan	Educational Organization	Life Science	12	BL20B2	Np
254	2020A1156	Anomalous thermal transport behavior in intermetallic PbPd ₃ and SnPd ₃	Yingcai Zhu	Beijing Institute of Technology	China	Foreign	Materials Science and Engineering	15.75	BL35XU	Np
255	2020A1158	Formation of Lipid Nanodisk Phospholipid triggered by Cyclic Peptide	Isamu Akiba	The University of Kitakyushu	Japan	Educational Organization	Chemical Science	6	BL40B2	Np
256	2020A1159	Analyses of Dynamics of Nanocrystals tethered in Cross-linking Points of Polymer Gels by Using Diffracted X-ray Tracking Method	Isamu Akiba	The University of Kitakyushu	Japan	Educational Organization	Chemical Science	6	BL40XU	Np

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257	2020A1160	Mechanical Flexibility in Single Crystal Coordination Polymers	Biswajit Bhattacharya	BAM Federal Institute for Materials Research and Testing	Germany	Foreign	Materials Science and Engineering	3	BL40XU	Np
258	2020A1161	Shape Control of Amphiphilic Triblock Copolymer Micelles by Flexibility of Hydrophobic Chains	Isamu Akiba	The University of Kitakyushu	Japan	Educational Organization	Chemical Science	3	BL40B2	Np
259	2020A1162	Structural determination and investigation of stability of novel Ru and Sn alloy NPs	Hiroshi Kitagawa	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
260	2020A1163	Three-dimensional structural characteristics of human brain neurons	Ryuta Mizutani	Tokai University	Japan	Educational Organization	Life Science	6	BL20XU	Np
261	2020A1164	Elucidation of local dynamics behavior of rubber under stress relaxation process by quasielastic gamma-ray scattering.	Ryo Mashita	Sumitomo Rubber Industries, Ltd.	Japan	Industry	Industrial Applications	20.875	BL09XU	Np
262	2020A1165	Study on substitution effect of Ag for Cu in chemical bonds of chalcopyrite-type polycrystalline photovoltaic material Cu(In,Ga)Se ₂	Kousuke Beppu	Ryukoku University	Japan	Educational Organization	Materials Science and Engineering	9	BL01B1	Np
263	2020A1167	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
264	2020A1169	Devil's staircase transition of CeSb revisited by inelastic X-ray scattering spectroscopy	Kenta Kuroda	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	14.875	BL35XU	Np
265	2020A1170	Development for measurement method of photoelectron holography for all direction structure determination based on oxide structures at silicon surface	Akitaka Yoshigoe	Japan Atomic Energy Agency	Japan	National and Nonprofit Organization	Chemical Science	12	BL25SU	Np
266	2020A1172	Magnetoelectric effect driven ultrafast antiferromagnetic domain dynamics based on nano magnetic characterization using scanning XMCD spectromicroscopy	Yu Shiratsuchi	Osaka University	Japan	Educational Organization	Materials Science and Engineering	12	BL25SU	Np
267	2020A1173	The ferroelectric fluctuation and local structure of Ba _{1-x} Sr _x Al ₂ O ₄	Yui Ishii	Osaka Prefecture University	Japan	Educational Organization	Materials Science and Engineering	3	BL04B2	Np
268	2020A1174	Electronic structure of antiferromagnetic phase in heavy fermion compound CeRhIn ₅ studied by Compton scattering experiment	Akihisa Koizumi	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	20.625	BL08W	Np
269	2020A1175	Local structure analysis of Lanthanoid elements in their complex oxides using Resonant Inelastic X-ray Scattering	Hiroyuki Asakura	Kyoto University	Japan	Educational Organization	Chemical Science	9	BL39XU	Np
270	2020A1176	In-situ analysis for solubility and precipitation under high pressure in aluminum alloys	Takahiro Masuda	Yokohama National University	Japan	Educational Organization	Materials Science and Engineering	9	BL04B1	Np
271	2020A1177	Precious crystal structure analysis of nanosized metal cluster molecules with precisely designed architecture	Yusuke Sunada	The University of Tokyo	Japan	Educational Organization	Chemical Science	3	BL02B1	Np
272	2020A1178	Creation of Periodic and Quasiperiodic Tiling Structures from Tetrablock Terpolymers of the ABA'C type	Yushu Matsushita	Toyota Physical and Chemical Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL40XU	Np
273	2020A1179	Clarification of soft modes of the stuffed tridymite-type oxide BaAl ₂ O ₄	Yui Ishii	Osaka Prefecture University	Japan	Educational Organization	Materials Science and Engineering	18	BL35XU	Np
274	2020A1181	Devil's staircase transition of CeSb revisited by soft x-ray angle-resolved photoemission spectroscopy	Kenta Kuroda	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	18	BL25SU	Np
275	2020A1184	Variation of sulfur speciation by the water-rock interaction along simulated faults during an earthquake	Ryoichi Nakada	Japan Agency for Marine-Earth Science and Technology	Japan	National and Nonprofit Organization	Earth and Planetary Science	8.875	BL27SU	Np
276	2020A1185	Dimensional properties of cyclic oligo(dimethylsiloxane) in solution	Akiyuki Ryoki	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL40B2	Np
277	2020A1186	Determination of crystal-field ground states of Yb in YbT ₂ Zn ₂₀ (T=Rh and Ir) probed by resonant X-ray emission spectroscopy	Naomi Kawamura	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	18	BL39XU	Np
278	2020A1187	Research for the chondrule formation process using in situ observation of crystallization process of forsterite from melted droplet.	Masayuki Uesugi	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Earth and Planetary Science	12	BL20XU	Np

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279	2020A1190	X-ray crystallographic analysis of molecular bearings composed of tubular hydrocarbon hosts and guest rotors	Taisuke Matsuno	The University of Tokyo	Japan	Educational Organization	Chemical Science	5.75	BL26B1	Np
280	2020A1191	Potential Polynitrogen Structure cyclo-N4 Synthesized under High Pressure	Kuo Li	Center for High Pressure Science and Technology Advanced Research	China	Foreign	Materials Science and Engineering	6	BL10XU	Np
281	2020A1193	Changes in functional properties of the eye lens with development, age and disease	Barbara Pierscionek	Staffordshire University	UK	Foreign	Life Science	12	BL20B2	Np
282	2020A1194	Study on pressure-induced structural transition to bcc of titanium	Yuichi Akahama	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	6	BL10XU	Np
283	2020A1195	In situ observation of the states of ions exchanged in zeolites and their roles in adsorption processes through the measurement of far-infrared spectra with the aid of synchrotron radiation apparatus and its establishment as the in-situ analysis method - 4 -	Yasushige Kuroda	Okayama University	Japan	Educational Organization	Chemical Science	5.75	BL43IR	Np
284	2020A1196	Application of X-ray Optical Techniques for Next-Generation Engine Development: Unveiling the Abnormal Spray Phenomena Related to Engine Pollutants Formation	Seoksu Moon	Inha University	Korea	Foreign	Industrial Applications	29.375	BL40XU	Np
285	2020A1197	Crystal structure transition in stress-induced multi-stage phase transformation in Cu-Al-Mn superelastic alloy and its dependency on crystal orientations	Hiroshi Akamine	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B1	Np
286	2020A1198	Elucidating the mechanism of the vesicle formation through polymerization-induced self-assembly (PISA)	Rintaro Takahashi	The University of Kitakyushu	Japan	Educational Organization	Materials Science and Engineering	3	BL40B2	Np
287	2020A1199	Investigation of valence-ordering states in dimensional crossover complexes using synchrotron X-ray radiation	Hiroshi Kitagawa	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	9	BL02B1	Np
288	2020A1206	Investigation of crystal structure and electronic states of mixed-valence compounds situated in dimensional crossover region soluble in organic media	Kazuya Otsubo	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
289	2020A1207	Local structure of group-V dopants in CdTe single crystal by X-ray Fluorescence Holography for high efficiency solar cell	Akira Nagaoka	University of Miyazaki	Japan	Educational Organization	Materials Science and Engineering	9	BL13XU	Np
290	2020A1208	Structural analysis of metal oxide mesocrystals	Takashi Tachikawa	Kobe University	Japan	Educational Organization	Materials Science and Engineering	4	BL04B2	Np
291	2020A1209	Local structural analysis of metal oxide mesocrystals	Takashi Tachikawa	Kobe University	Japan	Educational Organization	Materials Science and Engineering	3	BL01B1	Np
292	2020A1210	Evaluation of the crystalline-phase purity for hydrated-ion conductors with a large charge density using powder X-ray diffraction experiments	Nobuto Yoshinari	Osaka University	Japan	Educational Organization	Chemical Science	6	BL02B2	Np
293	2020A1211	3D observation of organic inclusions in meteorites for the investigation of their origin	Masayuki Uesugi	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Earth and Planetary Science	12	BL47XU	Np
294	2020A1212	Quantum criticality through disorder : Fermi surface smearing in NiCoCr	Stephen Dugdale	University of Bristol	UK	Foreign	Materials Science and Engineering	21	BL08W	Np
295	2020A1213	Precise single-crystal X-ray structural analysis of the hydrated-ion conductors with a large charge density for determining the position of conducting species	Nobuto Yoshinari	Osaka University	Japan	Educational Organization	Chemical Science	3	BL02B1	Np
296	2020A1215	XAFS measurement of cocatalyst loaded on Bi4NbO8Cl photocatalyst by arc plasma deposition	Hajime Suzuki	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL01B1	Np
297	2020A1219	Elucidation of CO2 fixation reactions over metal oxide clusters by operant measurement	Seiji Yamazoe	Tokyo Metropolitan University	Japan	Educational Organization	Chemical Science	9	BL01B1	Np
298	2020A1220	Structural study on ceramic solidified wastes and adsorbents for stable capture and storage of radioactive nuclei by synchrotron XRD and PDF analysis - 2	Masahiko Nakase	Tokyo Institute of Technology	Japan	Educational Organization	Chemical Science	12	BL04B2	Np
299	2020A1221	Messengers of Climate Change: Multiscale 3D Imaging of Foraminifera	Dirk Muter	Technical University of Denmark	Denmark	Foreign	Environmental Science	6	BL47XU	Np

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300	2020A1224	Challenge to Clarify the Breakdown Process of Polymer Films Induced by the Application of High Electric Field Using the Rapid-scan Simultaneous Measurements of WAXD/SAXS/FTIR Spectral Data	Kohji Tashiro	Toyota Technological Institute	Japan	Educational Organization	Materials Science and Engineering	12	BL40XU	Np
301	2020A1225	Thermal excitation between the J multiplets in EuBe ₁₃ investigated by high-resolution x-ray absorption and resonant x-ray emission spectroscopies	Kojiro Mimura	Osaka Prefecture University	Japan	Educational Organization	Materials Science and Engineering	12	BL39XU	Np
302	2020A1227	Single crystal elasticity of copper under high temperature and high pressure	Hiroshi Fukui	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	15	BL35XU	Np
303	2020A1228	Structural Analysis of the Regular Polyhedral Micelles and Construction of Controlling Technique of their Aggregation Behavior	Kazuo Sakurai	The University of Kitakyushu	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
304	2020A1229	Entropy-driven liquid-liquid transition in molten gallium trichloride in the vicinity of the critical point	Evgeny Bychkov	University of the Littoral Opal Coast	France	Foreign	Materials Science and Engineering	6	BL04B2	Np
305	2020A1230	Investigating the potential of medium intensity exercise training to restore coronary vasodilator function in obese diabetic mice and senescence accelerated mice	James Pearson	National Cerebral and Cardiovascular Center	Japan	National and Nonprofit Organization	Medical Applications	12	BL20B2	Np
306	2020A1231	Structural analysis on development of catalyst primary particles during preparation in MgCl ₂ -supported Ziegler-Natta catalysts	Toru Wada	Japan Advanced Institute of Science and Technology	Japan	Educational Organization	Materials Science and Engineering	9	BL04B2	Np
307	2020A1232	Investigation of lattice deformation at Verwey transition by PDF analysis for LiMn ₂ O ₄ and Fe ₃ O ₄ nanoparticles as cathode materials	Saeed Kamali-Moghaddam	University of Tennessee Space Institute	USA	Foreign	Materials Science and Engineering	9	BL04B2	Np
308	2020A1234	The bulk Fermi surface of LiV ₂ O ₄ from high-resolution Compton scattering.	David Billington	Cardiff University	UK	Foreign	Materials Science and Engineering	21	BL08W	Np
309	2020A1235	Extracting the cation distributions and spin structure in monodisperse mixed ferrite Co(1-x)Mn(x)Fe ₂ O ₄ nanoparticles using magnetic Compton scattering	Saeed Kamali-Moghaddam	University of Tennessee Space Institute	USA	Foreign	Materials Science and Engineering	20.875	BL08W	Np
310	2020A1238	Atomic arrangement in amorphous thin films studied by radial distribution function analysis	Saeed Kamali-Moghaddam	University of Tennessee Space Institute	USA	Foreign	Materials Science and Engineering	10	BL04B2	Np
311	2020A1239	Exchange Bias and Spin Structure Analysis of Different Monodisperse Core-Shell Nanoparticles by Magnetic Compton Scattering: Controllable Oxidation of Monodisperse Cobalt-Doped Wüstite Nanoparticles and their Core-Shell Stability and Exchange-Bias Stabilization	Saeed Kamali-Moghaddam	University of Tennessee Space Institute	USA	Foreign	Materials Science and Engineering	21	BL08W	Np
312	2020A1240	Electronic structure of amorphous phase in ternary transition metal chalcogenide phase change material	Yuji Sutou	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	6	BL47XU	Np
313	2020A1242	Study on soft phonon mode in 105 K phase transition of geometrically frustrated iridium oxide Ca ₅ Ir ₃ O ₁₂	Kazuyuki Matsuhira	Kyushu Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	12	BL35XU	Np
314	2020A1243	Reaction mechanism studies of rechargeable batteries using redox-active metal organic frameworks as cathode active materials	Hirofumi Yoshikawa	Kwansei Gakuin University	Japan	Educational Organization	Chemical Science	6	BL01B1	Np
315	2020A1246	Elucidation of the structure-property relationship of titanite-type anti-ferroelectrics toward the development of new high-k dielectrics	Hiroki Taniguchi	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
316	2020A1247	Understanding the musculoskeletal mechanism underlying ultra-high acceleration movement in the trap jaw ant	Hitoshi Aonuma	Hokkaido University	Japan	Educational Organization	Life Science	12	BL40XU	Np
317	2020A1250	Spin/orbit interaction and alignment in (Gd,Sm)N alloys and superlattices	Joe Trodahl	Victoria University of Wellington	New Zealand	Foreign	Materials Science and Engineering	14.75	BL39XU	Np
318	2020A1253	Phase transitions in hybrid improper antiferroelectric Li ₂ (Ca,Sr)Ta ₂ O ₇	Hirofumi Akamatsu	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
319	2020A1254	in situ analyses of gas diffusion electrode carrying Molybdenum-doped organic frameworks for dinitrogen reduction reactions	Kazuhide Kamiya	Osaka University	Japan	Educational Organization	Chemical Science	6	BL01B1	Np
320	2020A1255	Structural analysis of novel trimetallic alloys highly active, selective, and durable for propane dehydrogenation	Shinya Furukawa	Hokkaido University	Japan	Educational Organization	Chemical Science	6	BL01B1	Np

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321	2020A1257	Anneal effect on band structures of non-polar wurtzite 3d-transition metal doped AlN films	Saki Imada	Kyoto Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	12	BL27SU	Np
322	2020A1258	Exploration of a possible role of the Co (La) sp electronic states in the unusual magnetism of trivalent Co oxides	Tomohiko Saitoh	Tokyo University of Science	Japan	Educational Organization	Materials Science and Engineering	6	BL09XU	Np
323	2020A1260	Investigation of giant piezoelectric strain evolution during phase transition of morphotropic phase Co-doped BiFeO3 under sub-nanosecond electric pulses	ChiYong Cho	Gwangju Institute of Science and Technology	Korea	Foreign	Materials Science and Engineering	18	BL13XU	Np
324	2020A1262	Development of high-performance polymer materials using movable cross-linking with X-ray scattering measurements	Go Matsuba	Yamagata University	Japan	Educational Organization	Chemical Science	3	BL40B2	Np
325	2020A1264	Four-dimensional analysis of changes of inner air spaces of rice seeds	Daisuke Yamauchi	University of Hyogo	Japan	Educational Organization	Life Science	5.875	BL20B2	Np
326	2020A1265	Development of the infrared synchrotron photoacoustic microspectroscopy	Taro Moriwaki	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Chemical Science	8.75	BL43IR	Np
327	2020A1267	Study on f-d interaction of YbCu5-xAlx around quantum critical point by means of Yb L3 resonant hard X-ray photoemission spectroscopy	Hitoshi Sato	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	12	BL09XU	Np
328	2020A1268	Structure of glass melts with higher density than crystals	Kenji Shinozaki	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Materials Science and Engineering	9	BL04B2	Np
329	2020A1269	Development of multi-scale high-energy X-ray microtomography	Masato Hoshino	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Beamline Engineering	12	BL28B2	Np
330	2020A1270	Evaluation of correlation between dynamic range of the detector and density resolution in X-ray phase tomography	Masato Hoshino	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Medical Applications	14.875	BL20B2	Np
331	2020A1271	Effects of temperature and strain rate on viscosity of ringwoodite in low temperature plasticity regime: in situ deformation experiments of ringwoodite at high pressure and high temperature	Takaaki Kawazoe	Hiroshima University	Japan	Educational Organization	Earth and Planetary Science	6	BL04B1	Np
332	2020A1273	Effect of the Cellulose Nano Fiber Microaddition on the Tear Strength of the Urethane Rubbers	Keisuke Itoh	Industrial Technology Institute, Miyagi Prefectural Government	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL40B2	Np
333	2020A1274	Structural analysis of electrical double layer active in hydrogen evolution reaction.	Masashi Nakamura	Chiba University	Japan	Educational Organization	Chemical Science	12	BL13XU	Np
334	2020A1278	Micron-sized single crystal X-ray structure analysis and investigation of charge density distributions of mixed-valence trinuclear ruthenium complexes	Masaaki Abe	University of Hyogo	Japan	Educational Organization	Chemical Science	6	BL02B1	Np
335	2020A1279	Restoration of the productivity of cultivated rice in the beginning of paddy-style rice cultivation by the X-ray CT measurement of the yield related characteristic in the straw sandals, the rice straw aggregate and the rice seed aggregate detected from remains in the Yayoi period	Tatsuya Inamura	Archaeological Institute of Kashihara, Nara Prefecture	Japan	National and Nonprofit Organization	Other	9	BL28B2	Np
336	2020A1281	Morphometric analysis of the cranial structure in Oarfish	Tetsuya Koide	TEIKYO University of Science	Japan	Educational Organization	Life Science	6	BL20B2	Np
337	2020A1284	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
338	2020A1286	X-ray Crystallography of the tiny tiny crystals of molecular nanocarbons	Yasutomo Segawa	National Institutes of Natural Sciences	Japan	National and Nonprofit Organization	Chemical Science	6	BL40XU	Np
339	2020A1287	Analysis of local structure change for spinel oxide cathode materials in magnesium secondary battery during charge/discharge reactions	Kentaro Yamamoto	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL01B1	Np
340	2020A1288	Analysis of interfacial reaction between anode and electrolyte during magnesium metal deposition reaction via operando soft x-ray absorption spectroscopy	Kentaro Yamamoto	Kyoto University	Japan	Educational Organization	Chemical Science	9	BL27SU	Np

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341	2020A1292	Highly oriented molecular self-assembly using a levitation method	Takashi Kajitani	Tokyo Institute of Technology	Japan	Educational Organization	Chemical Science	9	BL04B2	Np
342	2020A1294	Analysis of valence states and local structure of next-generation permanent magnet candidate (Sm,Zr)(Fe,Co) ₁₂	Shintaro Kobayashi	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	5.875	BL01B1	Np
343	2020A1297	Interfacial phenomenon of DNA-functionalized nanoparticles as revealed by SAXS and application to nano-biosensor	Masahiro Fujita	RIKEN	Japan	National and Nonprofit Organization	Materials Science and Engineering	9	BL40B2	Np
344	2020A1298	Development of a Hard X-ray Telescope for a Balloon X-ray Polarimetry XL-Calibur II	Yoshitomo Maeda	Japan Aerospace Exploration Agency	Japan	National and Nonprofit Organization	Elementary Particles, Nuclear Science	9	BL20B2	Np
345	2020A1299	Development of "real" in-situ observation methods by synchrotron X-ray diffraction avoiding contact with a quartz capillary	Shintaro Kobayashi	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	3	BL02B2	Np
346	2020A1300	LS separation method of Neodymium magnets near the Curie point by magnetic Compton scattering	Naruki Tsuji	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	15	BL08W	Np
347	2020A1301	Development of Compton scattering imaging by energy dispersive CdTe 2D detector II	Naruki Tsuji	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Beamline Engineering	17.75	BL08W	Np
348	2020A1302	Basic research of archaeological textiles about material and construction using synchrotron non-destructive method.	Masayoshi Okuyama	Archaeological Institute of Kashihara, Nara Prefecture	Japan	National and Nonprofit Organization	Other	3	BL20XU	Np
349	2020A1303	Operando 3-dimensional observation of reaction distribution in a composite positive electrode for bulk-type all-solid-state lithium-ion batteries by using CT-XAFS	Yuta Kimura	Tohoku University	Japan	Educational Organization	Chemical Science	12	BL37XU	Np
350	2020A1304	Role of sarcomeric dysfunction in left ventricle diastolic dysfunction in obese diabetic mice	James Pearson	National Cerebral and Cardiovascular Center	Japan	National and Nonprofit Organization	Medical Applications	9	BL40XU	Np
351	2020A1306	Observation on three-dimensional morphology and histology of Paleozoic fossil fishes using micro-CT	Tatsuya Hirasawa	The University of Tokyo	Japan	Educational Organization	Earth and Planetary Science	9	BL20B2	Np
352	2020A1307	Structural characterization of microemulsions dispersed in hydrophobic deep eutectic solvents and their penetration process through stratum comeum	Mina Sakuragi	Sojo University	Japan	Educational Organization	Chemical Science	6	BL40B2	Np
353	2020A1308	Local distortion of Ti sites of titan oxide nanosheets	Yasuhiro Ishida	RIKEN	Japan	National and Nonprofit Organization	Chemical Science	12	BL39XU	Np
354	2020A1309	Determination of the life-related chemical compound delivered by shock process	Ryosuke Sinmyo	Meiji University	Japan	Educational Organization	Earth and Planetary Science	6	BL10XU	Np
355	2020A1310	Rheology of the Earth's inner core revealed by ultra-high pressure deformation experiments combined with synchrotron X-ray laminography and X-ray diffraction measurements	Ryuichi Nomura	Kyoto University	Japan	Educational Organization	Earth and Planetary Science	12	BL47XU	Np
356	2020A1311	A new technique for stable confinement of oxyanions-bearing barite by formation of secondary phase on the surface	Kouhei Tokunaga	Japan Atomic Energy Agency	Japan	National and Nonprofit Organization	Earth and Planetary Science	6	BL01B1	Np
357	2020A1312	Structural study on successive phase transitions under high pressure of valence-ordered Eu compound.	Akihiro Mitsuda	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	5.875	BL10XU	Np
358	2020A1313	The XAFS measurement of the oxidation state of iron in silicate melts quenched from high-pressure experiments	Hideharu Kuwahara	Ehime University	Japan	Educational Organization	Earth and Planetary Science	3	BL27SU	Np
359	2020A1314	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	21	BL43IR	Np
360	2020A1315	Near-field Spectroscopy using high brilliant infrared synchrotron source	Yuka Ikemoto	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	23.875	BL43IR	Np
361	2020A1316	Analysis of Reaction Temperature in Ethylene Hydrogenation on Supported Platinum Nanoparticles by Operando XAFS Spectroscopy	Akira Yamamoto	Kyoto University	Japan	Educational Organization	Chemical Science	9	BL01B1	Np
362	2020A1318	Non-linear conductivity of excitonic insulator studied by hard x-ray photoemission spectroscopy under electric field	Tepppei Yoshida	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	9	BL47XU	Np

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363	2020A1320	Investigation of collective dynamics of nanofluids made of ionic liquid and water	Koji Yoshida	Fukuoka University	Japan	Educational Organization	Chemical Science	8.75	BL35XU	Np
364	2020A1322	Electronic structure of CeCu6-xAux around quantum critical point studied by Cu K α X-ray emission spectroscopy	Hitoshi Sato	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	15	BL39XU	Np
365	2020A1323	Structural dynamics on breathing mode of switchable metal-organic frameworks	Hideki Tanaka	Shinshu University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
366	2020A1324	Direct observation of oxygen holes in giant negative thermal expansion related compounds by soft X-ray absorption	Masaki Azuma	Tokyo Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	6	BL27SU	Np
367	2020A1325	Density measurements of metallic glass based on an X-ray absorption method under high pressure	Seiji Kamada	Tohoku University	Japan	Educational Organization	Earth and Planetary Science	6	BL10XU	Np
368	2020A1326	Development of analytical method for elucidating distribution of drugs in mixed power and hair	Yasuo Seto	RIKEN	Japan	National and Nonprofit Organization	Other	23.75	BL43IR	Np
369	2020A1327	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
370	2020A1328	High-pressure growth of novel TM nitrides and their P-V-T equation of state	Nico Gaida	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	9	BL04B1	Np
371	2020A1329	Development of new time domain interferometry using a polarization analysis and its application to the microscopic dynamics study of a liquid-liquid phase-transition system.	Makoto Seto	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	20.875	BL09XU	Np
372	2020A1331	Depth resolved 3D reciprocal space mapping of AlN/NPSS nanostructures by diffraction beam profiler	Yusuke Hayashi	Osaka University	Japan	Educational Organization	Materials Science and Engineering	15	BL13XU	Np
373	2020A1332	Studies on the destabilization mechanism of microtubules at low temperatures.	Shinji Kamimura	Chuo University	Japan	Educational Organization	Life Science	9	BL40XU	Np
374	2020A1334	Development of a new method forming a smooth surface on CFRP mirror substrate.	Hisamitsu Awaki	Ehime University	Japan	Educational Organization	Elementary Particles, Nuclear Science	6	BL20B2	Np
375	2020A1340	Density measurement of iron and nickel using X-ray absorption method combined with laser heated DAC under high pressure and temperature	Hidenori Terasaki	Okayama University	Japan	Educational Organization	Earth and Planetary Science	6	BL10XU	Np
376	2020A1341	Whole mouse brain phase-contrast micro-CT imaging utilizing immunostaining with gold enhancement	Haruo Mizutani	RIKEN	Japan	National and Nonprofit Organization	Life Science	9	BL20B2	Np
377	2020A1343	Detailed evaluation of an ultra-compact cosmic hard X-ray imaging polarimeter using a combination of a fine-pixel CMOS sensor and a coded aperture mask	Hirokazu Odaka	The University of Tokyo	Japan	Educational Organization	Elementary Particles, Nuclear Science	9	BL20B2	Np
378	2020A1344	Search for metallization and superconductivity of hydrogen under ultra-high pressure using a toroidal diamond anvil cell	Yuki Nakamoto	Osaka University	Japan	Educational Organization	Materials Science and Engineering	9	BL10XU	Np
379	2020A1345	In-situ high-temperature X-ray diffraction observation of distortion process in kagome fluorides for material design of ideal kagome magnets	Shintaro Kobayashi	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	2.75	BL02B2	Np
380	2020A1346	Investigation on the mechanism of heavy fermion behavior through observation of paramagnetic relaxation in Sm-based intermetallics	Satoshi Tsutsui	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	18	BL09XU	Np
381	2020A1348	Phase transition and dynamics of ionic liquid crystals in nanopores	Koji Fukao	Ritsumeikan University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
382	2020A1350	Crystal Structure Determination of Novel Sulfide MOFs Synthesized by Integration of High Throughput Screening Systems and Machine Learning	Daisuke Tanaka	Kwansei Gakuin University	Japan	Educational Organization	Chemical Science	6	BL02B1	Np
383	2020A1352	Observation of bandstructure of atomic-layer superstructures with micro-ARPES	Ryo Kitaura	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	6	BL25SU	Np

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384	2020A1355	X-ray Fluorescence Holographic Analysis of the Precursor Structure to Clusters formed in the Mg97Zn1Gd2 Light Weight Structural Material	Koji Kimura	Nagoya Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	12	BL37XU	Np
385	2020A1359	Elucidation of the relationship between oxygen release due to the reduction and the electronic state and local structure of Mn in oxygen storage material, Ca2AlMnO5- δ during the oxygen desorption/absorption by in situ XAFS.	Masatsugu Oishi	Tokushima University	Japan	Educational Organization	Chemical Science	6	BL01B1	Np
386	2020A1360	Elucidation of the function of adsorbed electrolyte anions by operando observation of all-elements for water splitting catalyst	Masaaki Yoshida	Yamaguchi University	Japan	Educational Organization	Chemical Science	9	BL01B1	Np
387	2020A1362	Direct observation of an pseudo-dopant effect of the spontaneous polarization in a graphene/ferroelectrics heterostructure	Seiji Nakashima	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	5	BL17SU	Np
388	2020A1367	Luminescence enhancement of (Lu0.4Y0.6)AlO3:Ce mixed crystal scintillators revealed by X-ray fluorescence holography experiment	Mamoru Kitaura	Yamagata University	Japan	Educational Organization	Materials Science and Engineering	12	BL13XU	Np
389	2020A1370	Structural evolution in the initial stage of LPSO structures formation from amorphous Mg85Y9Co6 alloys	Hiroshi Okuda	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	8.875	BL40B2	Np
390	2020A1371	Light-induced conformational change of invertebrate rhodopsin	Yasushi Imamoto	Kyoto University	Japan	Educational Organization	Life Science	6	BL40B2	Np
391	2020A1372	Electrical activation of As clusters by co-implantation of As and B in Si: Study from the viewpoint of atomic arrangements	Kazuo Tsutsui	Tokyo Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	11.875	BL25SU	Np
392	2020A1373	Studies of Particle Scattering Function of Polyelectrolytes in Aqueous Salt Solutions	Yo Nakamura	Kyoto University	Japan	Educational Organization	Chemical Science	3	BL40B2	Np
393	2020A1374	X-ray imaging of forensic materials using SR X-ray CT	Seiya Watanabe	HYOGO Prefectural Police	Japan	National and Nonprofit Organization	Other	3	BL20B2	Np
394	2020A1378	Development of indentation test using dynamic phase-contrast X-ray CT for articular cartilage: local deformation of the cartilage surface layer under cyclic indentation loading	Takako Osawa	Kindai University	Japan	Educational Organization	Medical Applications	9	BL20B2	Np
395	2020A1379	Synthesis of rare earth polyborides and precise determination of bulk modulus by considerable improvement of denseness of the P-V data.	Hitoshi Yusa	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	5.875	BL10XU	Np
396	2020A1381	Structure and electronic-state analyses of supported Ru-based alloy catalysts effective for hydrogen evolution from urea	Hiroki Miura	Tokyo Metropolitan University	Japan	Educational Organization	Chemical Science	6	BL01B1	Np
397	2020A1383	Structural analysis of polymer length in liquid states of one-dimensional Cu(I) coordination polymers	Satoshi Horike	Kyoto University	Japan	Educational Organization	Chemical Science	9	BL04B2	Np
398	2020A1386	High-speed x-ray nano-tomography by optimization of illuminating optics	Akihisa Takeuchi	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	12	BL47XU	Np
399	2020A1387	The measurement of transient structural changes during pyrolysis of wooden biomass under high heat flux by using ultra-high-speed X-ray CT	Tadafumi Daitoku	Akita Prefectural University	Japan	Educational Organization	Industrial Applications	3	BL20B2	Np
400	2020A1389	Electron-phonon interactions in low-lying optical modes in a heavy fermion superconductor UBe13	Satoshi Tsutsui	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	15	BL35XU	Np
401	2020A1390	High-energy x-ray nanotomography for 15 keV to bridge the energy range gap between BL20XU and BL47XU	Akihisa Takeuchi	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	12	BL20XU	Np
402	2020A1392	Inelastic X-ray Scattering Study of Pb-Free Piezoelectric Materials: Observation of Waterfall behavior in Phonon Dispersion	Kouichi Hayashi	Nagoya Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	15	BL35XU	Np
403	2020A1393	Relationship between anion ordering and functional properties in mixed anion compounds	Yoshiyuki Inaguma	Gakushuin University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
404	2020A1394	Assessments of ventricular diastolic property and fine structure using phase contrast CT in a transgenic model for conditional overexpression of Fam 64a, positive regulatory factor of myocardial cell division	Satoshi Mohri	Kawasaki Medical School	Japan	Educational Organization	Life Science	3	BL20B2	Np
405	2020A1396	Examination of electrochemical changes during resistive switching of AlFeO3 thin film heterostructures	Nobuo Nakajima	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	12	BL39XU	Np

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406	2020A1398	Local structure of dopants, Sn in Sn: Ga ₂ O ₃ : XAFS characterization.	Kazushi Miki	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	3	BL37XU	Np
407	2020A1399	Phase contrast X-ray CT for imaging of the entire circumferential structure of arteries under pulsatile pressure condition	Takeshi Matsumoto	Tokushima University	Japan	Educational Organization	Medical Applications	3	BL20B2	Np
408	2020A1400	Evaluation of structure inhomogeneity by comparison of megahertz low-temperature relaxation behavior and inelastic X-ray scattering of metallic glasses	Tetsu Ichitsubo	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	15	BL35XU	Np
409	2020A1402	In-situ time-resolved nanobeam X-ray diffraction analysis of singularity-structure-dependent local piezo-response dynamics in AlGaIn/GaN HEMT devices	Tetsuya Tohei	Osaka University	Japan	Educational Organization	Materials Science and Engineering	15	BL13XU	Np
410	2020A1405	In-situ observation of local structure changes with formation process of LPSO structure by energy dispersive XAFS measurement	Maiko Nishibori	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	9	BL28B2	Np
411	2020A1406	Infrared study of Dirac electrons in bismuth at high magnetic fields	Hidekazu Okamura	Tokushima University	Japan	Educational Organization	Materials Science and Engineering	9	BL43IR	Np
412	2020A1410	Elucidation of multi-functional catalysis of metal-metal oxide clusters by operand measurement	Jun Hirayama	Tokyo Metropolitan University	Japan	Educational Organization	Materials Science and Engineering	8.875	BL01B1	Np
413	2020A1411	Elucidation of formation of barrier function of lipids between skin stratum corneum based on functional group characteristics of sphingoid base	Yasuko Obata	Hoshi University	Japan	Educational Organization	Medical Applications	12	BL43IR	Np
414	2020A1412	Structural determination of adsorption processes of flexible porous coordination polymers with paracyclophane-based ligand having enhanced pi-cation interaction.	Susumu Kitagawa	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	9	BL02B1	Np
415	2020A1413	Unraveling N ₂ binding in the E4 state of Mo nitrogenase	Casey Van Stappen	Max Planck Institute	Germany	Foreign	Chemical Science	18	BL19LXU	Np
416	2020A1414	Investigation of element-specific contributions to the giant magnetocaloric effect of novel compounds for cryogenic applications	Hossein Sepehri Amin	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	14.875	BL25SU	Np
417	2020A1416	Investigation of 3D atomic arrangement and thermal stability of fcc and hcp-type Pt _x Ru _{1-x} solid-solution alloy nanoparticles by high-energy X-ray diffraction	Osami Sakata	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	11.875	BL04B2	Np
418	2020A1419	The promotion effect of the hydration and electric field for the skin permeation.	Hiromitsu Nakazawa	Kwansei Gakuin University	Japan	Educational Organization	Life Science	3	BL40B2	Np
419	2020A1421	Analysis of nanostructure formation for self assemblies of alginate derivatives	Yoshiaki Yuguchi	Osaka Electro-Communication University	Japan	Educational Organization	Chemical Science	9	BL40B2	Np
420	2020A1423	Local coordination structure of Sr in natural and synthetic calcium carbonate	Kazuya Tanaka	Japan Atomic Energy Agency	Japan	National and Nonprofit Organization	Chemical Science	6	BL01B1	Np
421	2020A1425	Development of the residual stress measurement method for stainless steel pipe welded joint with white beam X-ray diffraction	Yasufumi Miura	Central Research Institute of Electric Power Industry	Japan	National and Nonprofit Organization	Industrial Applications	12	BL28B2	Np
422	2020A1426	Study on photocatalytic property of metal-modified triazine-based conjugated polymers	Takashi Harada	Osaka University	Japan	Educational Organization	Chemical Science	6	BL01B1	Np
423	2020A1427	Interaction of Polymer Chain and Water molecules of Crystalline/Amorphous Region in Spherulites of Biodegradable Polymers on Various Humidity Conditions with Humidity-controlled microbeam FT-IR Measurements.	Go Matsuba	Yamagata University	Japan	Educational Organization	Chemical Science	6	BL43IR	Np
424	2020A1428	High-pressure IR study of the electronic structures in excitonic insulator-related material Ta ₂ NiS ₅	Hidekazu Okamura	Tokushima University	Japan	Educational Organization	Materials Science and Engineering	18	BL43IR	Np
425	2020A1430	Investigation on the charge transfer mechanism of lithium-rich cathode materials via synchrotron radiation X-ray diffraction	Zhigang Zhang	Chinese Academy of Sciences	China	Foreign	Materials Science and Engineering	6	BL02B2	Np
426	2020A1431	Structural analyses of the anti-ferroelectric Ruddlesden-popper type perovskite oxide Li ₂ Sr _{1-x} Cax(Nb _{1-x} Tax)2O ₇ (x=0~1) using synchrotron single crystal X-ray diffraction measurements.	Akitoshi Nakano	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	5.875	BL02B1	Np

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427	2020A1433	Time-resolved X-ray diffraction and scattering of magma in accelerating deformation	Satoshi Okumura	Tohoku University	Japan	Educational Organization	Earth and Planetary Science	9	BL20XU	Np
428	2020A1443	Study of unimer micelles of block-designed alternative multi-block copolymers	Yusuke Sanada	Fukuoka University	Japan	Educational Organization	Chemical Science	3	BL40B2	Np
429	2020A1444	Reaction dynamics in solid oxide fuel cell air electrode investigated from the X-ray absorption response under AC polarization	Koji Amezawa	Tohoku University	Japan	Educational Organization	Chemical Science	6	BL37XU	Np
430	2020A1445	Experimental determination of dominant reaction sites in solid oxide fuel cell composite cathodes by using operando high-temperature electrochemical nano-XAS measurements	Koji Amezawa	Tohoku University	Japan	Educational Organization	Chemical Science	17.75	BL37XU	Np
431	2020A1450	Structure-function studies of NO reductases by nuclear resonance vibrational spectroscopy	Lars Lauterbach	Technical University of Berlin	Germany	Foreign	Life Science	21	BL19LXU	Np
432	2020A1451	Low stimuli-responsive conformation changes of lanthanide complexes with rheologic property	Miki Hasegawa	Aoyama Gakuin University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
433	2020A1452	Nuclear resonance vibrational analysis of O ₂ tolerant hydrogenases	Lars Lauterbach	Technical University of Berlin	Germany	Foreign	Life Science	18	BL09XU	Np
434	2020A1457	Establishment of Temperature-Jump X-ray Scattering analysis for tracking thermo-induced structural transition	Hiroshi Sekiguchi	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Life Science	18	BL40XU	Np
435	2020A1458	Inorganic glass stabilized [Ag ^m] ⁿ⁺ quantum clusters	Xusheng Qiao	Zhejiang University	China	Foreign	Materials Science and Engineering	12	BL13XU	Np
436	2020A1460	Determination of hemoglobin dynamics by multiple laser excitation using Diffracted X-ray Tracking (DXT).	Yuji Sasaki	The University of Tokyo	Japan	Educational Organization	Life Science	17.875	BL40XU	Np
437	2020A1462	4f-5d Coulomb interaction near the quantum critical point in the quantum critical materials	Hidenori Fujiwara	Osaka University	Japan	Educational Organization	Materials Science and Engineering	14.875	BL09XU	Np
438	2020A1463	Phonon lifetime measurement at low energy side for single-crystalline SiGe by inelastic X-ray scattering	Ryo Yokogawa	Meiji University	Japan	Educational Organization	Materials Science and Engineering	12	BL35XU	Np
439	2020A1465	Integrating morphological and structural analysis of cardiac, renal and brain tissues from patients of amyloidosis with in depth tissue proteomics through Imaging Mass Spectrometry	Masaya Ikegawa	Doshisha University	Japan	Educational Organization	Life Science	6	BL20B2	Np
440	2020A1466	Study of atomic scale origin of shear band in high entropy alloys	LanHong Dai	Chinese Academy of Sciences	China	Foreign	Materials Science and Engineering	6	BL40XU	Np
441	2020A1469	Structural determination of adsorption processes of porous coordination polymers with various functional groups	Susumu Kitagawa	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	9	BL02B2	Np
442	2020A1470	Study of atomic scale origin of shear band in high entropy alloys	LanHong Dai	Chinese Academy of Sciences	China	Foreign	Materials Science and Engineering	8.875	BL37XU	Np
443	2020A1472	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
444	2020A1473	Structural analysis of highly reactive organometallic species with early transition metals, the reaction intermediates, by solution XAFS analysis	Kotohiro Nomura	Tokyo Metropolitan University	Japan	Educational Organization	Chemical Science	3	BL01B1	Np
445	2020A1474	Quantitative evaluation of safety by different degradation modes using visualization of dynamic structure inside battery	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Industrial Applications	9	BL28B2	Np
446	2020A1475	In-situ observation of a process for single-crystal growth by using flux method	Satoshi Demura	Nihon University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
447	2020A1477	3D imaging of adsorption mechanism in MOF studied by CT-XAFS	Hirotohi Sakamoto	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	9	BL37XU	Np
448	2020A1478	Analysis of local strain in 4H-SiC trench-MOSFET using Microdiffraction	Wakana Takeuchi	Aichi Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	12	BL13XU	Np

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449	2020A1479	Development on sourcing obsidian artifacts by detailed observation of trace heavy elements (2)	Mitunori Ooya	Saitama Cultural Deposits Research Corporation	Japan	National and Nonprofit Organization	Other	6	BL08W	Np
450	2020A1480	6D chemical imaging at identical locations for Cu/ZnO catalysts in methanol synthesis	Feng Ryan Wang	University College London	UK	Foreign	Chemical Science	15	BL37XU	Np
451	2020A1481	Observation of the orbital current accumulation at Gd/Cr interface.	Sanghoon Kim	University of Ulsan	Korea	Foreign	Materials Science and Engineering	18	BL25SU	Np
452	2020A1482	Development of the temperature dependence measurement for nano-focused scanning XMCD microscope	Yoshinori Kotani	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	9	BL25SU	Np
453	2020A1484	Molecular composition and structure of condensed domain of fluoroalkanol-cationic surfactant mixture in the adsorbed film at oil/water interface	Yosuke Imai	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	9	BL37XU	Np
454	2020A1485	Low-temperature local structure analysis of a multiferroic perovskite manganite by X-ray fluorescence holography	Toru Asaka	Nagoya Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	11.875	BL37XU	Np
455	2020A1486	Dense hydrogenation effects on the magnetic structure of rare-earth transition metal compounds: an XMCD study under high pressure	Naoki Ishimatsu	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	12	BL39XU	Np
456	2020A1487	Development of next-generation Environmentally Friendly Catalyst System Using Metal Phosphide Nanoparticles: Investigation of the Structure-Activity Relationship	Takato Mitsudome	Osaka University	Japan	Educational Organization	Chemical Science	9	BL01B1	Np
457	2020A1490	Study on correlation between U-U distance and U valence states in UPd ₂ (Cd _{1-x} In _x) ₂₀ (x=0 and 0.1) -Precise structural analysis under high pressure-	Naomi Kawamura	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL10XU	Np
458	2020A1491	In situ studies of growth twinning in intermetallic compounds	Christopher Gourlay	Imperial College London	UK	Foreign	Materials Science and Engineering	9	BL20XU	Np
459	2020A1492	Direct observation of electronic states of nanocomposite Fe ₂ VAl compounds with low thermal conductivity by interfacial nitriding	Hidetoshi Miyazaki	Nagoya Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	8.875	BL47XU	Np
460	2020A1494	Relationship between chemical composition of oxide glasses and peak width of FSDP	Hirokazu Masai	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL04B2	Np
461	2020A1497	High-speed measurement of lithium density distribution in commercial lithium-ion batteries using Compton scattering imaging	Kosuke Suzuki	Gunma University	Japan	Educational Organization	Chemical Science	12	BL08W	Np
462	2020A1500	Structural study of rejuvenation effect in Gd-TM (TM: Co, Ni, and Cu) metallic glasses	Shinya Hosokawa	Kumamoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL04B2	Np
463	2020A1504	Comparative study of local structures of luminescence centers in gamet scintillators doped with aliovalent cations	Mamoru Kitaura	Yamagata University	Japan	Educational Organization	Materials Science and Engineering	3	BL01B1	Np
464	2020A1506	Optimization of 2D coded mask for Multi Image X-ray Interferometer Modules for sub-sub-arcsecond imaging	Kiyoshi Hayashida	Osaka University	Japan	Educational Organization	Earth and Planetary Science	9	BL20B2	Np
465	2020A1507	Synchrotron X-ray CT analysis of traditional Japanese swords called Shinto made from 1596 to 1781 to clarify their making techniques	Manako Tanaka	Showa Women's University	Japan	Educational Organization	Materials Science and Engineering	9	BL28B2	Np
466	2020A1509	Structural investigation of Ruddlesden-Popper compounds Sr(Ca) ₂ Mn(Co, Fe)O ₄ F _x	Toshiyuki Matsunaga	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
467	2020A1510	Detection of B1-B2 phase transition in ferropericlae	Takeshi Sakai	Ehime University	Japan	Educational Organization	Earth and Planetary Science	8.875	BL10XU	Np
468	2020A1511	Temperature dependence of dynamics of lead atoms in relaxor ferroelectrics under alternating electric field	Shinobu Aoyagi	Nagoya City University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B1	Np
469	2020A1512	Study on mechanisms of material dynamics and accumulation within subseafloor environment by 3D imaging of sediment microstructure	Yuki Morono	Japan Agency for Marine-Earth Science and Technology	Japan	National and Nonprofit Organization	Environmental Science	3	BL20B2	Np
470	2020A1513	Structural study on accommodation mechanism of guest molecules in MOF glass	Osamu Yamamuro	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	9	BL04B2	Np

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471	2020A1514	Development of a 3D imaging technique of microbial cells in niches of marine sediment: Geological constraint of habitability of seafloor sedimentary life	Yuki Morono	Japan Agency for Marine-Earth Science and Technology	Japan	National and Nonprofit Organization	Environmental Science	3	BL47XU	Np
472	2020A1515	Phonon spectrum of liquid crystals and polymers in phase transitions measured by inelastic X-ray scattering	Junko Morikawa	Tokyo Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	9	BL35XU	Np
473	2020A1516	Study on the precise control of porous structure in polymers	Takahiko Kawai	Gunma University	Japan	Educational Organization	Materials Science and Engineering	3	BL05XU	Np
474	2020A1517	High-spatial-resolution photoemission spectroscopy of Ag _{0.8} Sn _{1.2} Se ₂ single crystal, a superconductor involving with coexistence of Sn ²⁺ and Sn ⁴⁺	Takanori Wakita	Okayama University	Japan	Educational Organization	Materials Science and Engineering	2.875	BL25SU	Np
475	2020A1518	Formation process of atomic or cluster-like platinum studied by means of XAFS	Kazu Okumura	Kogakuin University	Japan	Educational Organization	Chemical Science	2.125	BL01B1	Np
476	2020A1521	Observation of intravascular kinetics as primary embolic material of imipenem silastatin in vivo using monochromatic X-ray	Hiroki Nakamura	Kawasaki Medical School	Japan	Educational Organization	Medical Applications	6	BL20B2	Np
477	2020A1523	Precise measurement of the reaction point of double hypernuclei using X-ray microscope for the nuclear emulsion in J-PARC E07 experiment	Masahiro Yoshimoto	Gifu University	Japan	Educational Organization	Elementary Particles, Nuclear Science	5.875	BL47XU	Np
478	2020A1524	Evaluation of mechanical properties of polymer materials composed of mobile crosslinks using FTIR under temperature and humidity control	Yoshinori Takashima	Osaka University	Japan	Educational Organization	Materials Science and Engineering	12	BL43IR	Np
479	2020A1525	SAXS/WAXD Measurement of Crystalline Polymers for Describing Hierarchical Structure-Property Relationships Based on Informatics Techniques	Atsushi Takahara	Kyushu University	Japan	Educational Organization	Chemical Science	3	BL40XU	Np
480	2020A1526	Performance evaluation test of our original next generation high-resolution electroformed X-ray optics for space missions	Ikuyuki Mitsuishi	Nagoya University	Japan	Educational Organization	Other	6	BL20B2	Np
481	2020A1527	Investigation in Synthesis and Physical Properties in Superconducting Hydrides with Transition Temperature Exceeding 200 K	Katsuya Shimizu	Osaka University	Japan	Educational Organization	Materials Science and Engineering	21	BL10XU	Np
482	2020A1529	Study of fine structure in otoliths of swordtip squids by nanobeam X-ray fluorescence and diffraction analyses	Kazushi Sumitani	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Environmental Science	9	BL13XU	Np
483	2020A1530	X-ray fluorescence holography analysis on atomic structure in catalytically active RuO ₂ epitaxial thin films with extremely large strain	Daichi Oka	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	11.875	BL13XU	Np
484	2020A1531	Establishing development principles for next-generation Al-Zn-Mg alloys based on controlling IMC particle	Kazuyuki Shimizu	Iwate University	Japan	Educational Organization	Materials Science and Engineering	9	BL20XU	Np
485	2020A1533	Study of origin of thermodynamic excess properties of order-disorder transition alloys by the direct XAFS observation	Manabu Watanabe	Tokyo Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	9	BL01B1	Np
486	2020A1535	Study of Ce mixed-valence behavior and the effect of nitrogenation on the magnetocrystalline anisotropy for ThMn ₁₂ -type structure by XMCD	Andres Martin Cid	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL25SU	Np
487	2020A1538	Localization analysis of internal radionuclides in tissues of animal models	Shino Takeda	National Institutes for Quantum and Radiological Science and Technology	Japan	National and Nonprofit Organization	Medical Applications	18	BL37XU	Np
488	2020A1539	Equation of state for ice VIII at extreme low temperature	Hiroshi Fukui	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	6	BL10XU	Np
489	2020A1540	Structural analysis of strongly hydrogenated permanent magnet SmCo ₅ under high pressure	Naoki Ishimatsu	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	6	BL10XU	Np
490	2020A1541	In vivo DXT observation for single-molecule tracking of antifreeze proteins and a diffraction-quality protein at <i>C. elegans</i>	Masahiro Kuramochi	The University of Tokyo	Japan	Educational Organization	Life Science	15	BL40XU	Np
491	2020A1542	X-ray imaging of primary crystal preference of solidification of Fe-based alloy with dispersion of fine nonmetallic particles	Taka Narumi	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	9	BL20B2	Np

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492	2020A1543	Time-resolved in-situ observation of polycrystallization process of Al-Cu alloy based on previous melting process by using selective laser irradiation	Kohei Morishita	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	9	BL47XU	Np
493	2020A1545	Structural Analysis of a Single GaN Nano-wire and Ga(1-x)In(x)N/GaN Five-quantum Wells on the side-wall by using an X-ray Nano-beam	Takao Miyajima	Meijo University	Japan	Educational Organization	Materials Science and Engineering	6	BL40XU	Np
494	2020A1546	Local structures of lead-free ferroelectric BCZT studied by X-ray fluorescence holography	Kouichi Hayashi	Nagoya Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	12	BL13XU	Np
495	2020A1547	Structure effect on photoluminescence properties in Cadmium Chalcogenide Clusters	Ryo Takahata	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	2	BL01B1	Np
496	2020A1548	Imaging of dispersion and agglomeration state of refining agent by multi-scale X-ray CT for elucidation of refinement mechanism in aluminum casting process	Yuichiro Murakami	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Materials Science and Engineering	9	BL20XU	Np
497	2020A1549	Exploring the Efficiency of Breakthrough CVD Diamond Gamma-voltaic Devices	Thomas Scott	University of Bristol	UK	Foreign	Industrial Applications	3	BL08W	Np
498	2020A1551	Precise structure analysis of a giant supramolecular framework composed of Au(I)-Ag(I)-Cu(II) dodecanuclear complexes	Tatsuhiko Kojima	Osaka University	Japan	Educational Organization	Chemical Science	3	BL02B1	Np
499	2020A1553	Dynamics of valence fluctuations in YbAlB4 studied by synchrotron radiation-based 174Yb Mössbauer spectroscopy	Hisao Kobayashi	University of Hyogo	Japan	Educational Organization	Materials Science and Engineering	15	BL09XU	Np
500	2020A1554	In situ HAXPES measurement of hydrogen storage metal under hydrogen gas using gas cell	Yasumasa Takagi	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	8.875	BL47XU	Np
501	2020A1556	Behavior of Quaternary-Ammonium-Salt type Amphiphilic Ionic Liquids with Adamantane Skeleton	Tomokazu Yoshimura	Nara Women's University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
502	2020A1558	Observation of semisolid deformation in Al alloys containing thousands of solid grains by using 4D-CT and 3DXRD	Taka Narumi	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	8.875	BL20XU	Np
503	2020A1559	Elucidation of Competitive Adsorption for Ionic Liquid and Surfactant at Air/Water Interface	Tomokazu Yoshimura	Nara Women's University	Japan	Educational Organization	Materials Science and Engineering	6	BL37XU	Np
504	2020A1560	Inter-comparison of equations of state at multi-megabar pressure using X-ray nano-beam II	Takeshi Sakai	Ehime University	Japan	Educational Organization	Materials Science and Engineering	9	BL37XU	Np
505	2020A1561	Chemical state analysis of Sulfur-containing compounds by X-ray Raman Spectroscopy.	Fusae Kaneko	Sumitomo Rubber Industries, Ltd.	Japan	Industry	Industrial Applications	6	BL39XU	Np
506	2020A1562	Functional morphology and quantification of molluscan cartilages	Takenori Sasaki	The University of Tokyo	Japan	Educational Organization	Life Science	6	BL20B2	Np
507	2020A1563	Structural changes and AE activities in chlorite at high pressure and temperature	Tomoaki Kubo	Kyushu University	Japan	Educational Organization	Earth and Planetary Science	17.75	BL04B1	Np
508	2020A1564	Observation of dendritic growth using 4D-CT with high spacial resolution	Hideyuki Yasuda	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL47XU	Np
509	2020A1565	Benchmark measurement of dendritic structure in Al-Cu alloys by off-set CT using white X-rays	Hideyuki Yasuda	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	9	BL28B2	Np
510	2020A1566	Study on correlation between U-U distance and U valence states in UPd2(Cd1-xInx)20 (x=0 and 0.1) -Precise valence estimation under high pressure-	Naomi Kawamura	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	18	BL39XU	Np
511	2020A1567	Observation of dendrite fragmentation induced by plastic deformation by toography and X-ray diffraction	Hideyuki Yasuda	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	8.75	BL20XU	Np
512	2020A1569	Lattice distortion analysis of single colloidal crystal by using small angle X-ray scattering with rotating crystal method	Miho Tagawa	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	11.875	BL40B2	Np
513	2020A1570	Structural investigation of high-performance Li-rich layered materials Li2(Nb, Mn)O2F and Li2(Nb, Mn)OF2	Toshiyuki Matsunaga	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np

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514	2020A1571	Phase dynamics of Z3-Fe(Pd,In)3 layered structure under high pressure	Kenshi Matsumoto	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL04B2	Np
515	2020A1574	Estimation of the Martian magnetic field intensity based on the exsolution condition of magnetite in the plagioclase crystal	Masahiko Sato	The University of Tokyo	Japan	Educational Organization	Earth and Planetary Science	15	BL37XU	Np
516	2020A1575	X-ray Scattering for Characterizing Nano-Confined Model Lubricants Under Shear	Kazue Kurihara	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	18	BL40B2	Np
517	2020A1577	Investigation of self-assembly process of anisotropic nanoparticles in liquid phase	Masaki Saruyama	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	3	BL40B2	Np
518	2020A1579	Direct analysis of magnetic-field-induced quantum criticality using magnetic field applied HAXPES combined with x-ray polarization controlling	Akira Yasui	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	12	BL09XU	Np
519	2020A1580	Local structural studies on the effect of nano-particle processing of germanium sulfide glasses	Yoshifumi Sakaguchi	Comprehensive Research Organization for Science and Society	Japan	National and Nonprofit Organization	Materials Science and Engineering	5.75	BL04B2	Np
520	2020A1581	Mixing Composition Effects on Self-Assembled Structure of Aqueous Surfactant Solution with a Higher Alcohol Showing Iridescent Color	Naoya Torikai	Mie University	Japan	Educational Organization	Materials Science and Engineering	9	BL40B2	Np
521	2020A1583	Development of depth-selective Mossbauer spectroscopy by energy discrimination of nuclear resonant scattering process	Shinji Kitao	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	12	BL09XU	Np
522	2020A1586	Formation of Functional Liquid Crystalline Materials with Controllable Internal Spaces Based on Ordered Arrangement of π -Electronic Units	Yohei Haketa	Ritsumeikan University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
523	2020A1587	X-ray powder diffraction structure analyses of photoluminescent copper(I)iodide complexes under high pressure and effects of metal ion nuclearity	Yoshiki Ozawa	University of Hyogo	Japan	Educational Organization	Chemical Science	6	BL04B2	Np
524	2020A1589	Analysis of crystallization Process in Nano Reactor under Solvothermal Condition by In-situ XRD measurement	Takahiro Takei	University of Yamanashi	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
525	2020A1591	Development of scanning X-ray phase tomography by using multi-focus 2D compound refractive lens	Katsumasa Ikematsu	Tohoku University	Japan	Educational Organization	Beamline Engineering	12	BL20XU	Np
526	2020A1592	Structural variety of lignin in plant cell wall visualized by in situ observation	Tomoya Imai	Kyoto University	Japan	Educational Organization	Life Science	3	BL40B2	Np
527	2020A1593	Nondestructive elemental and chemical state imaging of oil paintings by synchrotron radiation X-ray absorption edge subtraction method and its availability for preservation and restoration of paintings	Masahiko Tsukada	Tokyo University of the Arts	Japan	Educational Organization	Other	9	BL20B2	Np
528	2020A1596	Direct observation of hydrogenation/dehydrogenation process of Sm(Fe,Co,Ti)12 fine powder by high-temperature in-situ X-ray diffraction and elucidation of coevicity enhancement mechanism	Ryota Sato	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
529	2020A1598	Photoelectron holography of Sn-doped BiS2 based superconductor: Relation between high Tc and local structure around Sn	Takayoshi Yokoya	Okayama University	Japan	Educational Organization	Materials Science and Engineering	5.75	BL25SU	Np
530	2020A1602	Observation on defects in the specimen produced by selective laser melting in nickel alloy	Atsushi Ito	University of Hyogo	Japan	Educational Organization	Industrial Applications	4	BL28B2	Np
531	2020A1603	Observation of microcracks induced in glass-ceramic materials by using multiscale X-ray CT	Kei Maeda	AGC Inc.	Japan	Industry	Industrial Applications	3	BL20XU	Np
532	2020A1604	Analysis of local structure around metals contained in carbon materials with ordered pores synthesized from phthalocyanine derivatives	Jun Maruyama	Osaka Research Institute of Industrial Science and Technology	Japan	National and Nonprofit Organization	Industrial Applications	4	BL14B2	Np
533	2020A1605	A test on self-relaxation mechanism of thermal stress in thermal barrier coating sprayed with fine particles	Yasuhiro Yamazaki	Chiba University	Japan	Educational Organization	Industrial Applications	9	BL02B1	Np
534	2020A1607	Structural evaluation of rare-earth free ferromagnetic thin film L10-FeCo by X-ray diffraction	Masato Kotsugi	Tokyo University of Science	Japan	Educational Organization	Industrial Applications	9	BL46XU	Np

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535	2020A1608	Round robin experiments for HAXPES standardization	Satoshi Yasuno	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Industrial Applications	12	BL46XU	Np
536	2020A1609	Structural analysis of alloy catalysts using XAFS	Shinya Furukawa	Hokkaido University	Japan	Educational Organization	Industrial Applications	9	BL14B2	Np
537	2020A1611	Micro-beam SAXS analysis of structural change of hair induced by additives	Katsuhiro Isozaki	Kyoto University	Japan	Educational Organization	Industrial Applications	3	BL40XU	Np
538	2020A1612	Start-up study of non exposure bias applied system for hard X-ray photoelectron spectroscopy at BL46XU	Satoshi Yasuno	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Industrial Applications	6	BL46XU	Np
539	2020A1613	Installation of New Sample Changer for High-efficient XAFS Measurement at BL14B2	Keiichi Osaka	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Industrial Applications	6	BL14B2	Np
540	2020A1615	Analysis of local structure of metal adsorbent by XAFS	Masaru Endo	Daicel Corporation	Japan	Industry	Industrial Applications	3	BL14B2	Np
541	2020A1617	Application of PDF analysis to search for stable structure of amorphized medicines	Hironori Shimakura	Niigata University of Pharmacy and Applied Life Sciences	Japan	Educational Organization	Industrial Applications	6	BL04B2	Np
542	2020A1618	Molecular aggregation structure analyses of foldable films	Ken Kojio	Kyushu University	Japan	Educational Organization	Industrial Applications	3	BL19B2	Np
543	2020A1619*	Evaluation of nanostructure of C-S-H gel in hardened cement pastes exposed to high temperature environment	Isao Kurashige	Central Research Institute of Electric Power Industry	Japan	National and Nonprofit Organization	Industrial Applications	2	BL19B2	Np
544	2020A1620	Relationship between flaking lifetime and origin inclusion in the material with dispersive shape-controlled inclusions by SR X-ray laminography	Taizo Makino	Nippon Steel Corporation	Japan	Industry	Industrial Applications	6	BL46XU	Np
545	2020A1621	A Synchrotron-Based EXAFS and XANES Study for a Novel Cost-Effective Cathode Material for Sodium-Ion Battery with Long Cyclability.	Jiwei Ma	Tongji University	China	Foreign	Industrial Applications	3	BL14B2	Np
546	2020A1622	Acquirement of the effect of shape and mixture for the data of minerals of building of energy distributed XRD profiles	Takashi Hitomi	OBAYASHI CORPORATION	Japan	Industry	Industrial Applications	12	BL28B2	Np
547	2020A1624	In situ XAFS measurement on cationic metal-catalyzed reaction for the synthesis of organic compounds: Structure and reactivity relationship study and development of novel chiral ligand toward asymmetric synthesis	Takuya Kurahashi	Kyoto University	Japan	Educational Organization	Industrial Applications	6	BL14B2	Np
548	2020A1626	XAFS measurement of sponge-Cu catalyst prepared by mechano-chemical method for methanol synthesis from CO2 hydrogenation	Kazumasa Oshima	Seikei University	Japan	Educational Organization	Industrial Applications	6	BL14B2	Np
549	2020A1627	Heteroepitaxy of solution-processable organic semiconductor molecules exhibiting high charge carrier mobility	Yasuo Nakayama	Tokyo University of Science	Japan	Educational Organization	Industrial Applications	12	BL19B2	Np
550	2020A1628	Crystalline and Orientation Identification of functional MOF-on-MOF Nanofilms	Susumu Kitagawa	Kyoto University	Japan	Educational Organization	Industrial Applications	3	BL19B2	Np
551	2020A1629	XAFS Structure Analysis of Immobilized Iridium Complex Catalysts	Kenji Wada	Kagawa University	Japan	Educational Organization	Industrial Applications	6	BL14B2	Np
552	2020A1630	Evaluation of electronic state distribution of laser-irradiated ITO transparent conductive films by angle-resolved HAXPES	Junichi Nomoto	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Industrial Applications	9	BL46XU	Np
553	2020A1631	Install of multichannel silicon drift detector for Fluorescence yield X-ray absorption spectroscopy	Takeshi Watanabe	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Industrial Applications	6	BL19B2	Np
554	2020A1632	In-situ analysis on strain induced martensitic transformation behavior of 0.2C-7%Mn ultrafine grained ferrite + austenite steel with high strength and high ductility and fine grained SUS316 stainless steel fabricated by 3D additive manufacturing	Shiro Torizuka	University of Hyogo	Japan	Educational Organization	Industrial Applications	3	BL19B2	Np
555	2020A1633	Operando Surface X-ray Scattering of Adsorbates on Pt, PtCo Single-crystal Electrodes under Electrochemical Conditions with Oxygen Reduction Reaction	Teppei Kawamoto	University of Yamanashi	Japan	Educational Organization	Industrial Applications	12	BL19B2	Np

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556	2020A1634	Study on shape and dispersion state of thickener in grease using X-ray CT	Yoshimu Iwanami	JXTG Nippon Oil & Energy Corporation	Japan	Industry	Industrial Applications	6	BL20XU	Np
557	2020A1636	Influence of hair treatment condition on the distribution of glyoxylic acid in human hair	Makoto Uyama	Shiseido Company, Ltd.	Japan	Industry	Industrial Applications	3	BL43IR	Np
558	2020A1637*	Experimental Conditions for GI-SAXS at BL19B2 for Measurements under Controlled Atmosphere	Junji Inukai	University of Yamanashi	Japan	Educational Organization	Industrial Applications	6	BL19B2	Np
559	2020A1638	Measurements of in situ Au L1-edge XAFS and mass spectra for determination of decomposition and reduction temperature of Au-amino acid complexes	Haruno Murayama	Kyushu University	Japan	Educational Organization	Industrial Applications	9	BL14B2	Np
560	2020A1639*	Analysis of surface structure on the gel material for Contact Lenses	Eri Ito	Menicon Co., Ltd.	Japan	Industry	Industrial Applications	6	BL46XU	Np
561	2020A1640	Characterization of co-catalytic species of supported metal nanoparticle catalysts for selective reduction of carboxylic acid derivatives	Tomoo Mizugaki	Osaka University	Japan	Educational Organization	Industrial Applications	3	BL14B2	Np
562	2020A1641	Relationships between water adsorption characteristics and protein structure in bleached human hair	Kazuyuki Suzuta	Milbon Co., Ltd.	Japan	Industry	Industrial Applications	18	BL43IR	Np
563	2020A1643	The formation mechanism of organic-inorganic perovskite crystal layer using the wet process and establish for guidelines for high efficiency of perovskite solar cells	Naoyuki Shibayama	RIKEN	Japan	National and Nonprofit Organization	Industrial Applications	3	BL46XU	Np
564	2020A1669	Successive change of layered oxychlorides and photocatalytic properties.	Daichi Kato	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
565	2020A1697	Proof of concept to evaluate a HIP interface of F82H steel by using the Compton scattering imaging	Hidetsugu Ozaki	Metal Technology Co. Ltd.	Japan	Industry	Industrial Applications	9	BL08W	Np
566	2020A1707	Effect of water on elasticity, anelasticity and plasticity of olivine aggregates	Takashi Yoshino	Okayama University	Japan	Educational Organization	Earth and Planetary Science	9	BL04B1	Np
567	2020A1708	Technical development for the generation of P-T in the Kawai-type multianvil apparatus and in-situ X-ray observation on CaSiO3 and MgSiO3 perovskites	Daisuke Yamazaki	Okayama University	Japan	Educational Organization	Earth and Planetary Science	14.875	BL04B1	Np
568	2020A1709	Deformation of peridotite under the conditions of deep subducting slab: effects of the olivine-spinel phase transformation kinetics on shear localization	Tomohiro Ohuchi	Ehime University	Japan	Educational Organization	Earth and Planetary Science	6	BL04B1	Np
569	2020A1711	Sulfur Cross-link Structure analysis of polymer composites by micro Beam X-ray.	Fusae Kaneko	Sumitomo Rubber Industries, Ltd.	Japan	Industry	Industrial Applications	17.75	BL27SU	Np
570	2020A1712	Sound velocity measurements on subducted oceanic crust materials at the pressure and temperature conditions of the mantle extended transition zone	Steeve Greaux	Ehime University	Japan	Educational Organization	Earth and Planetary Science	12	BL04B1	Np
571	2020A1713	Reaction distribution in model film cathodes in all solid state lithium ion batteries investigated by operando depth-resolved soft X-ray absorption spectroscopy.	Takashi Nakamura	Tohoku University	Japan	Educational Organization	Chemical Science	12	BL27SU	Np
572	2020A1714	Development of measurement technology for elucidation of medium range structure of bulk Zr-Cu base metallic glass and mechanism of high toughness	Kunihisa Sugimoto	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	14.875	BL02B1	Np
573	2020A1718	Chemical state analysis for the surface of Titanium	Tomoki Okuhata	Nippon Steel Technology Co., Ltd.	Japan	Industry	Industrial Applications	1	BL46XU	P
574	2020A1719	Internal hair structure analysis using microbeam X-ray scattering method	Toshihiro Tamura	Kao Corporation	Japan	Industry	Industrial Applications	2	BL46XU	P
575	2020A1720	Crystal structure analysis and residual stress measurement of BaTiO3-based MLCC by high resolution x-ray diffraction	Ryo Osone	KYOCERA Corporation	Japan	Industry	Industrial Applications	2	BL46XU	P
576	2020A1721	Thin film X-ray structural analysis of organic thin film	Hisashi Tetsutani	Nissan Chemical Corporation	Japan	Industry	Industrial Applications	3	BL46XU	P
577	2020A1722	Analysis of dispersion state of nanoparticles in mist by small angle X-ray scattering	Yasutaka Nishi	Nikon Corporation	Japan	Industry	Industrial Applications	1	BL19B2	P

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578	2020A1723	Observation of Drug Tablets by X-ray Imaging	Masahiko Yoshiki	Toshiba Corporation	Japan	Industry	Industrial Applications	1	BL14B2	P
579	2020A1724	Observation of Pharmaceutical Particles by X-ray Computed Tomography	Masahiko Yoshiki	Toshiba Corporation	Japan	Industry	Industrial Applications	1	BL46XU	P
580	2020A1725	Crystal structure analysis of lithium ion battery electrode by X-ray diffraction	Ryo Osone	KYOCERA Corporation	Japan	Industry	Industrial Applications	1	BL19B2	P
581	2020A1726	Observation of Higher Order Structure of Polymer	Takashi Yajima	Sumitomo Riko Company Limited	Japan	Industry	Industrial Applications	1	BL19B2	P
582	2020A1727	Start-up study and performance evaluation of a high angle resolution measurement in the horizontal direction.	Tomoyuki Koganezawa	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Industrial Applications	12	BL46XU	Np
583	2020A1728*	Crystal structure and electron density distribution in cation-deficient rock-salt type material of Mg(Ni,Co,Mn)1-δO2 as cathode material for magnesium rechargeable battery	Yasushi Idemoto	Tokyo University of Science	Japan	Educational Organization	Industrial Applications	6	BL19B2	Np
584	2020A1729	Electronic and local structure analysis of MgCo2-xMnxO4-Mg(0.33V1.67-yNiy)O4-based solid solution as cathode material for magnesium rechargeable battery	Yasushi Idemoto	Tokyo University of Science	Japan	Educational Organization	Industrial Applications	3	BL14B2	Np
585	2020A1730	Crystal structure analysis using the synchrotron X-ray powder diffraction data of new ionic conductors	Kotaro Fujii	Tokyo Institute of Technology	Japan	Educational Organization	Industrial Applications	6	BL19B2	Np
586	2020A1732	Electronic and structural characterization of metal nanoparticle catalysts using XAFS toward the development of innovative Ullmann coupling reaction for industrial application	Yuta Uetake	Osaka University	Japan	Educational Organization	Industrial Applications	6	BL14B2	Np
587	2020A1734	Development of simultaneous characterization method of internal temperature and crystal structure change of electrode materials for lithium-ion batteries III Characterization of reaction distribution in cylindrical lithium-ion batteries during constant rate heating	Yoshiyasu Saito	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Industrial Applications	6	BL46XU	Np
588	2020A1735	Relationship between local structures, electronic states, and catalytic activity for quadruple perovskite oxides	Ikuya Yamada	Osaka Prefecture University	Japan	Educational Organization	Industrial Applications	2.75	BL14B2	Np
589	2020A1736	Study of excitation energy dependence of probe depth of hard X-ray photoemission spectrum	Satoshi Yasuno	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Industrial Applications	10	BL46XU	Np
590	2020A1737	Evaluation of negative thermal expansion property of BiNi1-xFexO3 by commercial production IV	Masaki Azuma	Tokyo Institute of Technology	Japan	Educational Organization	Industrial Applications	6	BL19B2	Np
591	2020A1738	HAXPES analysis of thermosetting resin for electronic materials: Part.2.	Yasuyuki Shudo	Sumitomo Bakelite Co., Ltd.	Japan	Industry	Industrial Applications	6	BL46XU	Np
592	2020A1741*	Analysis of surface structure on the gel material for Contact Lenses	Eri Ito	Menicon Co., Ltd.	Japan	Industry	Industrial Applications	6	BL46XU	Np
593	2020A1742	Analyses of surface-induced structures and orientations in organic semiconductor films	Keisuke Tajima	RIKEN	Japan	National and Nonprofit Organization	Industrial Applications	4	BL46XU	Np
594	2020A1750	Understanding of changes in elastic properties associated with pressure-induced symmetrization of hydrogen bond in ε-FeOOH	Tatsuya Sakamaki	Tohoku University	Japan	Educational Organization	Earth and Planetary Science	6	BL04B1	Np
595	2020A1753	Test of high pressure and high temperature generation by a machinable boron-doped diamond heater in a Kawai-type apparatus	Noriyoshi Tsujino	Okayama University	Japan	Educational Organization	Earth and Planetary Science	6	BL04B1	Np
596	2020A1754	Deformation experiments of fine-grained orthopyroxene aggregates at high temperature and pressure: the process of strain localization promoted by grain size sensitive creep	Yumiko Tsubokawa	Kyushu University	Japan	Educational Organization	Earth and Planetary Science	6	BL04B1	Np
597	2020A1755	In-situ analyses for spinodal decomposition under high pressure in ultrafine-grained supersaturated solid solution alloys	Zenji Horita	Saga University	Japan	Educational Organization	Materials Science and Engineering	6	BL04B1	Np
598	2020A1759	Verification of PA and PPS strong adhesion mechanism	Takuya Nobuta	Nitto Analytical Techno-Center Co., Ltd.	Japan	Industry	Industrial Applications	1	BL46XU	P

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599	2020A1760	Chemical state analysis of the surface of Titanium	Tomoki Okuhata	Nippon Steel Technology Co., Ltd.	Japan	Industry	Industrial Applications	1	BL46XU	P
600	2020A1761	Evaluation of sub gap state of the IGZO by using HAX-PES	Manabu Fujita	Toray Research Center, Inc.	Japan	Industry	Industrial Applications	2	BL46XU	P
601	2020A1762	Study on the electronic state of inorganic semiconductor materials	Ryouji Arai	Sony Corporation	Japan	Industry	Industrial Applications	3	BL46XU	P
602	2020A1763	Electronic state analysis of inorganic insulating films	Ryouji Arai	Sony Corporation	Japan	Industry	Industrial Applications	3	BL46XU	P
603	2020A1764	Observation of Drug Tablets by X-ray Imaging	Masahiko Yoshiki	Toshiba Corporation	Japan	Industry	Industrial Applications	1	BL14B2	P
604	2020A1765	Observation of Pharmaceutical Particles by X-ray Computed Tomography	Masahiko Yoshiki	Toshiba Corporation	Japan	Industry	Industrial Applications	2	BL46XU	P
605	2020A1766	In situ XAFS measurement on iron catalyzed reaction for the synthesis of organic compounds: Structure and reactivity relationship study and development of novel chiral ligand toward asymmetric synthesis	Takuya Kurahashi	Kyoto University	Japan	Educational Organization	Industrial Applications	9	BL14B2	Np
606	2020A1767	Elucidation of the degradation mechanism of perovskite polycrystalline thin films	Naoyuki Shibayama	RIKEN	Japan	National and Nonprofit Organization	Industrial Applications	6	BL46XU	Np
607	2020A1768	In situ GIXD observation of polymorph transition in organic thin films triggered by a buffer layer	Shingo Maruyama	Tohoku University	Japan	Educational Organization	Industrial Applications	6	BL46XU	Np
608	2020A1769	Studies on formation processes of Au nanoparticles from Au–amino acid complexes by the combination of in situ Au LIII-edge XAFS and mass spectra	Haruno Murayama	Kyushu University	Japan	Educational Organization	Industrial Applications	9	BL14B2	Np
609	2020A1771	Stress development accompanied with the phase transformation of thermally grown oxide scale of FeO formed on carbon steel at high temperature III	Shigenari Hayashi	Hokkaido University	Japan	Educational Organization	Industrial Applications	6	BL46XU	Np
610	2020A1772	Microstructural-damage evaluation of ultra-high strength steels by X ray diffraction analysis in tensile test aiming at high accuracy in automobile crash simulation	Takashi Matsuno	Tottori University	Japan	Educational Organization	Industrial Applications	9	BL46XU	Np
611	2020A1773	Evaluation of negative thermal expansion property of BiNi1-xFexO3 by commercial production V	Masaki Azuma	Tokyo Institute of Technology	Japan	Educational Organization	Industrial Applications	6	BL19B2	Np
612	2020A1777	Operando XAFS study on degradation process of automotive catalysts	Hiroyuki Asakura	Kyoto University	Japan	Educational Organization	Industrial Applications	9	BL14B2	Np
613	2020A1805	Powder X-ray diffraction of active pharmaceutical ingredients and their intermediates	Tetsuya Suzuki	Daiichi Sankyo Co., Ltd.	Japan	Industry	Industrial Applications	1	BL19B2	P
614	2020A1807	SAXS measurement	Kazuhiko Komori	SPring-8 Service Co., Ltd.	Japan	Industry	Industrial Applications	1	BL19B2	P
615	2020A1808	Round robin experiment of XAFS	Kazuhiko Komori	SPring-8 Service Co., Ltd.	Japan	Industry	Industrial Applications	2	BL14B2	P
616	2020A1809	Analysis of chemical conversion coatings by HAXPES.	Keiichi Nakajima	Nihon Parkerizing Co., Ltd.	Japan	Industry	Industrial Applications	2	BL46XU	P
617	2020A1810	Analysis of dispersion state of nanoparticles in mist by small angle X-ray scattering II	Yasutaka Nishi	Nikon Corporation	Japan	Industry	Industrial Applications	1	BL19B2	P
618	2020A1811	Analysis on the mechanism of its excellent strength and ductility balance	Shiro Torizuka	University of Hyogo	Japan	Educational Organization	Industrial Applications	1	BL46XU	P
619	2020A1812	Observation of Higher Order Structure of Polymer	Takashi Yajima	Sumitomo Riko Company Limited	Japan	Industry	Industrial Applications	1	BL19B2	P
620	2020A1813	In-situ analysis on excellent mechanical properties of ultrafine grained martensite + austenite duplex structure formed by cementite metallurgy.	Shiro Torizuka	University of Hyogo	Japan	Educational Organization	Industrial Applications	3	BL19B2	Np

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621	2020A1817	Stress development accompanied with the phase transformation of thermally grown oxide scale of FeO formed on carbon steel at high temperature IV	Shigenari Hayashi	Hokkaido University	Japan	Educational Organization	Industrial Applications	6	BL46XU	Np
622	2020A1819	Structural investigation of guest selective response of MOF-on-MOF-based electronic device	Susumu Kitagawa	Kyoto University	Japan	Educational Organization	Industrial Applications	6	BL46XU	Np
623	2020A1820	Simultaneous in situ SAXS and XAFS measurements of platinum catalysts for fuel cell during electrochemical accelerated degradation tests	Hiromichi Nishiyama	University of Yamanashi	Japan	Educational Organization	Industrial Applications	9	BL19B2	Np
624	2020A1821	X-ray scattering diffraction measurement of surface area of molten non-silicate oxide for qualifying local corrosion mechanism of contacted refractory	Masanori Suzuki	Osaka University	Japan	Educational Organization	Industrial Applications	3	BL19B2	Np
625	2020A1824	Direct observation of weak in-gap states of organic and inorganic semiconductors by using Hard X-ray photoemission and low energy high-sensitivity photoemission spectroscopy	Hiroshi Tokairin	Idemitsu Kosan Co.,Ltd.	Japan	Industry	Industrial Applications	6	BL46XU	Np
626	2020A1825	Study on chemical states of reaction films formed on metal surfaces by lubricant additives	Yoshimu Iwanami	ENEOS Corporation	Japan	Industry	Industrial Applications	6	BL46XU	Np
627	2020A1828	XAFS analysis of anode in alkaline media under water electrolysis (2)	Tomoki Uchiyama	Kyoto University	Japan	Educational Organization	Industrial Applications	12	BL14B2	Np
628	2020A1830*	A Study on Reaction Mechanisms of Noble Metal Oxides As High Performance Electrode Materials for Advanced Lithium-ion Batteries by Synchrotron X-Ray Diffraction	Naoaki Yabuuchi	Yokohama National University	Japan	Educational Organization	Industrial Applications	3	BL19B2	Np
629	2020A1832	in-situ XAFS study on dynamic behavior of NOx storage material	Saburo Hosokawa	Kyoto University	Japan	Educational Organization	Industrial Applications	9	BL14B2	Np
630	2020A1834	Elucidating high turnover factors on two-dimensional metal nano film catalyst	Hiroshi Yoshida	Kumamoto University	Japan	Educational Organization	Industrial Applications	3	BL14B2	Np
631	2020A1835	Molecular aggregation structure analyses of foldable films by small-angle X-ray scattering	Ken Kojio	Kyushu University	Japan	Educational Organization	Industrial Applications	3	BL19B2	Np
632	2020A1836	Operando XAS study of anion-doped Li-rich cathode materials	Kentaro Yamamoto	Kyoto University	Japan	Educational Organization	Industrial Applications	12	BL14B2	Np
633	2020A1840	Clarification of charge-discharge mechanism between blended cathode materials in a lithium-ion battery	Takeshi Kobayashi	Central Research Institute of Electric Power Industry	Japan	National and Nonprofit Organization	Industrial Applications	6	BL14B2	Np
634	2020A1851	Elucidation of CO2 activation mechanism on POM base catalysts by time-resolved Quick XAFS	Seiji Yamazoe	Tokyo Metropolitan University	Japan	Educational Organization	Materials Science and Engineering	6	BL36XU	Np
635	2020A1852	Elucidation of a topochemical redox reaction by using quick XAFS/XRD measurement with time resolution of the order of milliseconds	Saburo Hosokawa	Kyoto University	Japan	Educational Organization	Chemical Science	9	BL36XU	Np
636	2020A1859	GISAXS Measurement of Inorganic Films	Yuta Inaba	Sony Corporation	Japan	Industry	Industrial Applications	3	BL46XU	P
637	2020A1861	Analysis of FeNi alloys by using X-ray Diffraction	Takahiro Nishio	DENSO CORPORATION	Japan	Industry	Industrial Applications	1	BL46XU	P
638	2020A1863	Nano-level visualization of farm products (green soybeans) quality and completion of evaluation method.	Yuzo Matsubara	JA Sendai	Japan	Industry	Industrial Applications	2	BL19B2	P
639	2020A1864	Observation of Drug Tablets by X-ray Imaging	Masahiko Yoshiki	Toshiba Corporation	Japan	Industry	Industrial Applications	0.5	BL14B2	P
640	2020A1865	Observation of Pharmaceutical Particles by X-ray Computed Tomography	Masahiko Yoshiki	Toshiba Corporation	Japan	Industry	Industrial Applications	1	BL46XU	P
641	2020A1866	Development and Standardization of Material derived from Plants and Animals by X-ray CT Evaluation.	Michio Komai	Tohoku University	Japan	Educational Organization	Industrial Applications	2	BL14B2	P
642	2020A1867	Study on the electronic state of inorganic semiconductor materials	Ryouji Arai	Sony Corporation	Japan	Industry	Industrial Applications	3	BL46XU	P

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643	2020A1868	HAXPES measurements of Si compound multilayer films	Shigeo Yasuhara	Japan Advanced Chemicals Ltd.	Japan	Industry	Industrial Applications	1	BL46XU	P
644	2020A1869	Analysis on the mechanism of its excellent strength and ductility balance	Shiro Torizuka	University of Hyogo	Japan	Educational Organization	Industrial Applications	1	BL46XU	P
645	2020A1871	Evaluation of the electronic state of cationic Pd complex for base-free Suzuki–Miyaura cross-coupling, and the observation of the dynamic flipping behavior of Pd complex via variable temperature XAFS measurement	Yuta Uetake	Osaka University	Japan	Educational Organization	Industrial Applications	6	BL14B2	Np
646	2020A1875	Development of next-generation photoelectric conversion materials and analysis of their thin film structures powered by machine learning and synthetic chemistry	Akinori Saeki	Osaka University	Japan	Educational Organization	Industrial Applications	3	BL46XU	Np
647	2020A1876	Evaluation of electronic state of transition metal doped indium oxide transparent conductive films with high mobility by HAXPES measurement	Junichi Nomoto	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Industrial Applications	9	BL46XU	Np
648	2020A1878	Local structure analysis of emission centers in glass exhibiting the stoichiometric chemical compositions of crystals	Hirokazu Masai	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Industrial Applications	6	BL14B2	Np
649	2020A1879	XAFS-DFT-based Investigation of Homogeneous Transition-Metal Catalysts for Ethylene Oligomerization	Hikaru Takaya	Kyoto University	Japan	Educational Organization	Industrial Applications	8.75	BL14B2	Np
650	2020A1881	In situ GIXD observation of polymorph transition in organic thin films triggered by a buffer layer II	Shingo Maruyama	Tohoku University	Japan	Educational Organization	Industrial Applications	6	BL19B2	Np
651	2020A1882	x-ray window optimization of SIN membrane for the simultaneous measurements electrochemical reaction rate and HAXPES	Teppey Kawamoto	University of Yamanashi	Japan	Educational Organization	Industrial Applications	3	BL46XU	Np
652	2020A1883	Operando XAFS study on automotive catalysts before/after accelerated aging test	Saburo Hosokawa	Kyoto University	Japan	Educational Organization	Industrial Applications	9	BL14B2	Np
653	2020A1884	Evaluation of thermal characteristics of SiO ₂ /Si interface by temperature variable X-ray diffraction with synchrotron radiation	Ryo Yokogawa	Meiji University	Japan	Educational Organization	Industrial Applications	6	BL19B2	Np
654	2020A1885	Elucidation of the mechanism of conductivity enhancement by elemental substitution in LLZ solid state electrolyte	Masahide Kaneko	NGK Spark Plug Co., Ltd.	Japan	Industry	Industrial Applications	2	BL14B2	Np
655	2020A1887	Direct observation of inter metallic charge transfer by HAPES in negative thermal expansion related compounds	Masaki Azuma	Tokyo Institute of Technology	Japan	Educational Organization	Industrial Applications	6	BL46XU	Np
656	2020A1889	Investigation of structural deterioration of lithium secondary battery by temperature-controlled X-ray diffraction measurement	Toshiyuki Matsunaga	Kyoto University	Japan	Educational Organization	Industrial Applications	6	BL19B2	Np
657	2020A1890	Evaluation of negative thermal expansion property of BiNi _{1-x} Fe _x O ₃ by commercial production VI	Masaki Azuma	Tokyo Institute of Technology	Japan	Educational Organization	Industrial Applications	6	BL19B2	Np
658	2020A1891	Characterization of thermal runaway of lithium-ion batteries by in-situ XRD measurement during constant rate heating	Yoshiyasu Saito	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Industrial Applications	6	BL46XU	Np
659	2020A1892	The development of the operando observation methods of a three dimensional electric potential in thin film transistors III.	Takeshi Watanabe	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Industrial Applications	8.75	BL46XU	Np
660	2020A1893	Elucidation of Phase Behavior of Polyoxyethylene Secondary Alkyl Ether Surfactants by SAXS	Tomokazu Yoshimura	Nara Women's University	Japan	Educational Organization	Industrial Applications	8.75	BL19B2	Np
661	2020A1895	XAFS analysis of anode in alkaline media under water electrolysis (3)	Tomoki Uchiyama	Kyoto University	Japan	Educational Organization	Industrial Applications	9	BL14B2	Np
662	2020A1896	Structure Evaluation Various Polymer Composites after Fatigue Testing by Ultra-small Angle X-ray Scattering	Ken Kojio	Kyushu University	Japan	Educational Organization	Industrial Applications	3	BL19B2	Np
663	2020A1899	Clarification of phase transition for spinel oxide cathode materials in magnesium secondary battery during charge/discharge reactions	Kentaro Yamamoto	Kyoto University	Japan	Educational Organization	Industrial Applications	6	BL19B2	Np

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664	2020A1906	Surface analysis of oxide film and corrosion film on Zn based coating and Ni-Cr-Fe based alloy using photoemission electron microscope	Katsuhiro Nishihara	Nippon Steel Corporation	Japan	Industry	Industrial Applications	9	BL17SU	Np
665	2020A2502	Crystal structure determination of human GPCRs	Xianqiang Song	Amgen Biopharmaceutical Research & Development (Shanghai) Co., Ltd.	China	Foreign	Life Science	4	PX-BL (BL45XU, BL32XU)	P
666	2020A2503	Structural Biology of Protein-Ligand complex for Drug Discovery	Zenzaburo Nakata	Shionogi & Co., Ltd.	Japan	Industry	Life Science	3.75	PX-BL (BL45XU)	P
667	2020A2504	Structure analysis of proteins related to disease	Toshiaki Yamaura	Asahi Kasei Pharma Corporation	Japan	Industry	Industrial Applications	7	PX-BL (BL45XU, BL32XU)	P
668	2020A2505	Structure analysis of proteins related to disease	Yasushi Amano	Astellas Pharma Inc.	Japan	Industry	Industrial Applications	10	PX-BL (BL45XU)	P
669	2020A2506	diffraction data collection for x-ray crystallography of drug-target proteins	Mizuki Takahashi	DAIICHI SANKYO RD NOVARE CO., LTD.	Japan	Industry	Industrial Applications	2.5	PX-BL (BL45XU, BL32XU)	P
670	2020A2507	Structure analysis of proteins related to disease	Noritaka Furuya	KISSEI PHARMACEUTICAL CO., LTD.	Japan	Industry	Industrial Applications	3.5	PX-BL (BL45XU)	P
671	2020A2508	Structural analysis of proteins related to disease	Yuuji Kado	Meiji Seika Pharma Co., Ltd.	Japan	Industry	Industrial Applications	1	PX-BL (BL45XU)	P
672	2020A2509	Structure analysis of proteins related to disease	Shinji Kakuda	Teijin Pharma Limited	Japan	Industry	Industrial Applications	2.25	PX-BL (BL45XU)	P
673	2020A2510	X-ray crystal structure determination of the protein with compound	Tsuyoshi Adachi	Japan Tobacco Inc.	Japan	Industry	Industrial Applications	7.25	PX-BL (BL45XU)	P
674	2020A2511	Structure analysis of proteins related to disease	Kunizo Higurashi	Eisai Co., Ltd.	Japan	Industry	Industrial Applications	0.625	PX-BL (BL32XU)	P
675	2020A2512	Evaluation of the Protein Crystals under Microgravity by Synchrotron Radiation	Mitsugu Yamada	Japan Aerospace Exploration Agency	Japan	National and Nonprofit Organization	Life Science	9.75	PX-BL (BL41XU, BL45XU)	P
676	2020A2514	Structure analysis of proteins related to disease	Yuichiro Nakaishi	Otsuka Pharmaceutical Co., Ltd.	Japan	Industry	Industrial Applications	3.5	PX-BL (BL45XU)	P
677	2020A2515	X-ray crystallography of drug-related proteins	Tatsuya Suzuki	Taiho Pharmaceutical Co., Ltd.	Japan	Industry	Industrial Applications	2	PX-BL (BL45XU)	P
678	2020A2517	structural analysis of protein and ligand/protein complex for structure-based drug design	So Nakagawa	CHUGAI PHARMACEUTICAL CO., LTD.	Japan	Industry	Industrial Applications	11	PX-BL (BL45XU, BL32XU)	P
679	2020A2518	X-ray structural analysis of disease-related protein	Rie Omi	ONO PHARMACEUTICAL CO., LTD.	Japan	Industry	Life Science	8.25	PX-BL (BL45XU, BL32XU)	P
680	2020A2520	Protein Crystallographic Analyses on 'Platform Project for Supporting Drug Discovery and Life Science Research(BINDS)'	Masaki Yamamoto	RIKEN	Japan	National and Nonprofit Organization	Life Science	8	PX-BL (BL41XU)	P
681	2020A2521	Structure analysis of proteins related to disease	Kenji Suzuki	SAI Corporation	Japan	Industry	Industrial Applications	1	PX-BL (BL41XU)	P
682	2020A2522	Development of the Fragment Based Drug Discovery (FBDD) for efficient ligand screening against drug target proteins	Naoki Sakai	RIKEN	Japan	National and Nonprofit Organization	Life Science	0.25	PX-BL (BL32XU)	P
683	2020A2525	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	40.5	PX-BL (BL26B1)	Np
684	2020A2526	Structural study on human GPR85 receptors.	Zhi-Jie Liu	ShanghaiTech University	China	Foreign	Life Science	4.5	PX-BL (BL45XU)	Np
685	2020A2532	Structure analyses of an RNA aptamer in complex with AML-1	Shigeru Sugiyama	Kochi University	Japan	Educational Organization	Life Science	1.5	PX-BL (BL41XU)	Np

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686	2020A2535	Structural studies of cholecystokinin receptors in complex with different ligands	Beili Wu	Chinese Academy of Sciences	China	Foreign	Life Science	7	PX-BL (BL45XU)	Np
687	2020A2536	Crystallographic Studies on Yeast Membrane-Bound Galactooligosaccharide Producing Enzyme	Shunichi Tanaka	Kyoto Prefectural University	Japan	Educational Organization	Life Science	2.375	PX-BL (BL26B2)	Np
688	2020A2537	Elucidation of the mechanisms on the elicitation of sweetness of proteins by atomic resolution structural analysis	Tetsuya Masuda	Kyoto University	Japan	Educational Organization	Life Science	13.5	PX-BL (BL26B1)	Np
689	2020A2541	Intracellular protein crystallization for rapid structural analysis	Satoshi Abe	Tokyo Institute of Technology	Japan	Educational Organization	Life Science	9	PX-BL (BL32XU)	Np
690	2020A2542	Structural analysis of human lipocalin-type prostaglandin D synthase (L-PGDS) complexed with poorly water soluble drug	Shigenori Nishimura	Osaka Prefecture University	Japan	Educational Organization	Life Science	2.75	PX-BL (BL26B1)	Np
691	2020A2543	Structural analysis of the protein complexes in the Hippo pathway.	Sun-Yong Kim	Nara Institute of Science and Technology	Japan	Educational Organization	Life Science	1	PX-BL (BL45XU)	Np
692	2020A2544	Structural insights into inhibition of nuclear import receptor by repeat peptide	Takuya Yoshizawa	Ritsumeikan University	Japan	Educational Organization	Life Science	5.625	PX-BL (BL26B1)	Np
693	2020A2546	Molecular assembly and supramolecular complex of peroxiredoxin	Tsutomu Nakamura	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Life Science	2.25	PX-BL (BL45XU)	Np
694	2020A2548	Ultra-high resolution structural analysis from iron-sulfur proteins	Kazuki Takeda	Kyoto University	Japan	Educational Organization	Life Science	1.5	PX-BL (BL41XU)	Np
695	2020A2549	Structural analysis for developing new plant hormone agonist	Kohji Murase	The University of Tokyo	Japan	Educational Organization	Life Science	0.5	PX-BL (BL45XU)	Np
696	2020A2550*	Crystal structural analysis of photosystem II water-splitting reaction intermediates	Jian-Ren Shen	Okayama University	Japan	Educational Organization	Life Science	10.75	PX-BL (BL41XU)	Np
697	2020A2551	Development of structural change tracking due to environmental changes on Undulator beamline	Masaki Yamamoto	RIKEN	Japan	National and Nonprofit Organization	Life Science	1	PX-BL (BL41XU)	Np
698	2020A2552	Crystallographic analysis of characteristic enzymes related to phosphate reactions	Masahiro Fujiihashi	Kyoto University	Japan	Educational Organization	Life Science	2.5	PX-BL (BL45XU)	Np
699	2020A2553	Structural analysis of enantiomeric arabinan-degrading enzymes	Shinya Fushinobu	The University of Tokyo	Japan	Educational Organization	Life Science	1.5	PX-BL (BL26B2)	Np
700	2020A2555	Elucidating reaction mechanism of tRNA-modification enzymes which use metal ions	Min Yao	Hokkaido University	Japan	Educational Organization	Life Science	4	PX-BL (BL45XU)	Np
701	2020A2556	Structural analysis of membrane proteins involved in iron uptake system	Hiroshi Sugimoto	RIKEN	Japan	National and Nonprofit Organization	Life Science	38.125	PX-BL (BL26B1, BL41XU, BL45XU)	Np
702	2020A2558	Structure determination of cytochrome c oxidase complexed with activator/inhibitor molecules	Atsuhiko Shimada	Gifu University	Japan	Educational Organization	Life Science	2	PX-BL (BL45XU)	Np
703	2020A2559	Structural studies to elucidate the catalytic mechanism of biodegradable polymer synthases	Min Fey Chek	Nara Institute of Science and Technology	Japan	Educational Organization	Life Science	0.5	PX-BL (BL45XU)	Np
704	2020A2561	Mechanistic analysis of a novel paired type IDP enzyme	Toyoyuki Ose	Hokkaido University	Japan	Educational Organization	Life Science	2	PX-BL (BL45XU)	Np
705	2020A2563	Direct observation of the conformational change of copper amine oxidase using HAG method	Takeshi Murakawa	Osaka Medical College	Japan	Educational Organization	Life Science	22.375	PX-BL (BL26B1, BL45XU)	Np
706	2020A2564	Structural analysis of the Sec translocon complex and a lipid transporter	Tomoya Tsukazaki	Nara Institute of Science and Technology	Japan	Educational Organization	Life Science	7	PX-BL (BL32XU)	Np
707	2020A2565	Structural determination of a secreted protein responsible for type IV pili-mediated colonization by enteric pathogen	Shota Nakamura	Osaka University	Japan	Educational Organization	Life Science	10	PX-BL (BL26B1, BL45XU)	Np

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708	2020A2568	crystallographic study of phenylalanine ammonia-lyase and inhibitors	Takashi Nakashima	Kyushu University	Japan	Educational Organization	Life Science	3.75	PX-BL (BL45XU)	Np
709	2020A2571	Elucidation of Reaction Mechanism for Metalloenzymes Related to NO Decomposition	Takehiko Tosha	RIKEN	Japan	National and Nonprofit Organization	Life Science	17.75	PX-BL (BL26B2, BL41XU, BL45XU, BL32XU)	Np
710	2020A2572	Structural snapshot of the maturation process of phosphatidylserine decarboxylase	Yasunori Watanabe	Ehime University	Japan	Educational Organization	Life Science	5	PX-BL (BL45XU)	Np
711	2020A2573	Structural analysis of methane monooxygenase	Hideaki Ogata	Hokkaido University	Japan	Educational Organization	Life Science	0.25	PX-BL (BL45XU)	Np
712	2020A2574	Molecular basis of rotational mechanism of the bacterial flagellar motor.	Katsumi Imada	Osaka University	Japan	Educational Organization	Life Science	3	PX-BL (BL41XU)	Np
713	2020A2575	Structural basis of adhesion of Bacteroides to host cells	Katsumi Imada	Osaka University	Japan	Educational Organization	Life Science	2.875	PX-BL (BL41XU)	Np
714	2020A2576	Molecular basis of modification of fluorescence proteins toward long wavelength fluorescence emission	Katsumi Imada	Osaka University	Japan	Educational Organization	Life Science	4.5	PX-BL (BL26B1, BL41XU)	Np
715	2020A2577	Structural biology of bacterial molecular systems targeting mucus from host animals/plants	Wataru Hashimoto	Kyoto University	Japan	Educational Organization	Life Science	3.75	PX-BL (BL26B1, BL45XU)	Np
716	2020A2579	Dissecting the ligand recognition mechanism of various lectin protein	Takamasa Teramoto	Kyushu University	Japan	Educational Organization	Life Science	4.75	PX-BL (BL41XU, BL45XU)	Np
717	2020A2580	High Resolution X-ray Crystallographic Analyses of Bioluminescent Protein	Toru Nakatsu	Kyoto University	Japan	Educational Organization	Life Science	5.75	PX-BL (BL41XU, BL45XU)	Np
718	2020A2581	Structural study of enantioselective amino-acid recognition by taste receptors	Atsuko Yamashita	Okayama University	Japan	Educational Organization	Life Science	1	PX-BL (BL41XU, BL45XU)	Np
719	2020A2582	X-ray crystal structure determination of the nuclear receptor PPAR gamma ligand binding domain of in complexes with poorly soluble ligands	Takuji Oyama	University of Yamanashi	Japan	Educational Organization	Life Science	2	PX-BL (BL45XU)	Np
720	2020A2583	Development of a measurement method combined with synchrotron serial crystallography and HAG-method	Takashi Kumasaka	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Life Science	28.25	PX-BL (BL41XU, BL45XU)	Np
721	2020A2584	Crystal structure analysis of novel enzymes in CoA biosynthesis pathway in archaea.	Akiko Kita	Kyoto University	Japan	Educational Organization	Life Science	1.5	PX-BL (BL45XU)	Np
722	2020A2585	Structural analysis of the role of nucleic-acid processing enzymes in severe mitochondrial diseases	Yoshitaka Bessho	Academia Sinica	Taiwan, ROC	Foreign	Life Science	9	PX-BL (BL32XU)	Np
723	2020A2586	Higher Performance of Automatic measurement and alignment system of MX beamlines.	Nobuhiro Mizuno	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Life Science	1	PX-BL (BL45XU)	Np
724	2020A2589	X-ray crystallography of bacterial proteins involved in formation of exosome-like outer membrane vesicle	Ryuuichi Takase	Kyoto University	Japan	Educational Organization	Life Science	3	PX-BL (BL26B1)	Np
725	2020A2592	Diffraction data collection with reduce radiation damage for metalloprotein crystals	Norifumi Muraki	National Institutes of Natural Sciences	Japan	National and Nonprofit Organization	Life Science	1	PX-BL (BL45XU)	Np
726	2020A2601	Structural determination of target proteins for medical product development	Hiroyuki Kishida	Mitsubishi Tanabe Pharma Corporation	Japan	Industry	Life Science	5	PX-BL (BL45XU)	P
727	2020A2604	The structure of Asgard eukaryotic-like proteins, an evolution study	Robert Robinson	Okayama University	Japan	Educational Organization	Life Science	1.5	PX-BL (BL41XU)	Np
728	2020A2605	Crystallographic Study of the Serotonin Receptors	Sheng Wang	Chinese Academy of Sciences	China	Foreign	Life Science	1.5	PX-BL (BL45XU)	Np
729	2020A2606	Structure Elucidation and Functionalization of Self-Assembled Giant Hollow Complexes by Single-Crystal Synchrotron X-ray Study	Makoto Fujita	The University of Tokyo	Japan	Educational Organization	Chemical Science	21	PX-BL (BL26B1, BL41XU, BL45XU)	Np

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730	2020A2608	High resolution X-ray crystallography of ABC family multi-drug transporters in complex with transport substrates	Dongqing Pan	Kyoto University	Japan	Educational Organization	Life Science	2	PX-BL (BL45XU)	Np
731	2020A2609	Structural studies of macromolecular proteins involved in human gene regulation mechanisms, human pathogen defense regulation systems, prokaryotic protein translation mechanisms, and replication enzyme of viruses.	Zhao Zhi Boo	Nanyang Technological University	Singapore	Foreign	Life Science	2	PX-BL (BL32XU)	Np
732	2020A2610	Structural analysis of proteins from tardigrades tolerant of extreme environments	Yota Fukuda	Osaka University	Japan	Educational Organization	Life Science	1.5	PX-BL (BL41XU, BL45XU)	Np
733	2020A2612	Functional analysis on metalloenzymes with ultra-high resolution X-ray crystallography	Yota Fukuda	Osaka University	Japan	Educational Organization	Life Science	0.5	PX-BL (BL41XU)	Np
734	2020A2613	Crystallography of an intracellular signaling complex of ADAM22, a membrane receptor associated with epilepsy	Shuya Fukai	Kyoto University	Japan	Educational Organization	Life Science	4	PX-BL (BL45XU)	Np
735	2020A2614	Structure and function analysis of human purine salvage enzymes	Ken Okamoto	The University of Tokyo	Japan	Educational Organization	Life Science	1	PX-BL (BL26B1)	Np
736	2020A2701	Structural analysis of the therapeutic target protein with its ligands	Satoshi Sogabe	Axcelead Drug Discovery Partners Inc.	Japan	Industry	Industrial Applications	1	PX-BL (BL41XU, BL45XU)	P
737	2020A2702	Data collection on protein crystals for structure based drug design	Fan Jiang	Viva Biotech (Shanghai) Ltd.	China	Foreign	Life Science	45.75	PX-BL (BL45XU)	P
738	2020A2704	Crystallographic analysis of the ligand bound forms of B-cell inhibitory co-receptor CD72	Nobutaka Numoto	Tokyo Medical and Dental University	Japan	Educational Organization	Life Science	1	PX-BL (BL45XU)	Np
739	2020A2705	Structure determination of the Cannabinoid receptor 1 with allosteric modulators	Zhenhua Shao	Sichuan University	China	Foreign	Life Science	12.875	PX-BL (BL45XU, BL32XU)	Np
740	2020A2706	Crystal structure of the orphan GPCR and hint for deorphanization	Fei Xu	ShanghaiTech University	China	Foreign	Life Science	3	PX-BL (BL45XU)	Np
741	2020A2707	Structural and functional analysis of active-transport proteins	Kazuhiro Abe	Nagoya University	Japan	Educational Organization	Life Science	11	PX-BL (BL41XU, BL45XU)	Np
742	2020A2714	Elucidation of functions of food-related enzymes by X-ray analysis with freezing and non-freezing crystals.	Bunzo Mikami	Kyoto University	Japan	Educational Organization	Life Science	11.875	PX-BL (BL26B1)	Np
743	2020A2715	Crystallographic Study of the Dopamine Receptors	Sheng Wang	Chinese Academy of Sciences	China	Foreign	Life Science	6.5	PX-BL (BL45XU)	Np
744	2020A2718	X-ray crystallographic analysis of the K intermediate of bacteriorhodopsin at ultra-high resolution	Kazuki Takeda	Kyoto University	Japan	Educational Organization	Life Science	5.5	PX-BL (BL41XU)	Np
745	2020A2719	Crystal structure analysis of domain swapped protein for construction of nano structure	Masaru Yamanaka	Nara Institute of Science and Technology	Japan	Educational Organization	Life Science	0.75	PX-BL (BL41XU, BL45XU)	Np
746	2020A2721	X-ray structural analysis of tight junction related membrane proteins	Shun Nakamura	Tokyo Medical and Dental University	Japan	Educational Organization	Life Science	1.5	PX-BL (BL45XU)	Np
747	2020A2722	Development of the in situ measurement method with a crystallization plate	Hideo Okumura	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Life Science	20.5	PX-BL (BL26B1, BL45XU)	Np
748	2020A2726	Structural analysis of RNA-binding Pentatricopeptide repeat (PPR) proteins	Takamasa Teramoto	Kyushu University	Japan	Educational Organization	Life Science	1.125	PX-BL (BL45XU)	Np
749	2020A2728	Precise Analyses on Oxidases' Crystal Structures	Takao Hibi	Fukui Prefectural University	Japan	Educational Organization	Life Science	3	PX-BL (BL26B1)	Np

2020A, Performed Budding Researchers Support Proposals

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

1Shift =8Hours

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
1	2020A0822	Phase transition in hydride ion conductors A2H3X	Hiroki Ubukata	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
2	2020A0823	The in-situ observation of oxynitride single crystal growth mechanism under high pressure.	Kohdai Ishida	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL04B1	Np
3	2020A0824	Structure and phase transition of novel layered perovskite oxyhydride	Daichi Kato	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
4	2020A0825	Fine thin-film analysis of self-organized structures of pi-extended perylene-diimides toward high-performance semiconducting devices	Tatsuya Mori	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	2.75	BL40B2	Np
5	2020A0827	Local structure of inactive W in high-mobility W-doped SnO2 thin films by X-ray fluorescence holography	Michitaka Fukumoto	The University of Tokyo	Japan	Educational Organization	Materials Science and Engineering	9	BL13XU	Np
6	2020A0828	In-situ DXAFS measurement of supported Rh metal catalysts under light irradiation	Daichi Takami	Kyoto University	Japan	Educational Organization	Chemical Science	12	BL28B2	Np
7	2020A0829	Structural refinement of LiNbO3-type InVO3 under high pressure conditions	Zhenhong Tan	Kyoto University	Japan	Educational Organization	Chemical Science	5.75	BL04B1	Np
8	2020A0832	Structural determination of magnetically-bistable MOF using in situ single crystal X-ray diffraction measurement	Haruka Yoshino	Kyushu University	Japan	Educational Organization	Chemical Science	9	BL02B1	Np
9	2020A0834	X-Ray Single Crystal Structural Analysis for Microcrystals of Novel Unsaturated Organosilicon Compounds Having Highly Reactive Multiple Bonds	Ryohei Nishino	Rikkyo Educational Corporation	Japan	Educational Organization	Chemical Science	6	BL02B1	Np
10	2020A0835	Measurement of phonon dispersions in spinel vanadate FeV2O4 with classical orbital fluctuation.	Taishun Manjo	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	9	BL43LXU	Np
11	2020A0841	Structural characterization of Au nanoparticles synthesized by CD-MOF	Anna Nagai	Sojo University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
12	2020A0845	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
13	2020A0846	Bulk electronic state study of Na _x TiCl ₃ using hard X-ray photoelectron spectroscopy	Noriyuki Kataoka	Okayama University	Japan	Educational Organization	Materials Science and Engineering	9	BL47XU	Np
14	2020A0848	Investigation of Ag addition on clustering behavior with natural aging in Al-Mg-Si alloy by XAFS measurement	Serina Tanaka	University of Hyogo	Japan	Educational Organization	Industrial Applications	6	BL27SU	Np
15	2020A1644	X-Ray Structural Analysis for Microcrystals of d-pi Electron Systems Containing Heavier Main Group Elements	Yang Pan	Nagoya City University	Japan	Educational Organization	Chemical Science	3	BL02B1	Np
16	2020A1645	Temperature Dependence of Phase Behavior and Structural Change of Lithium Sulfide Ionic Conductor	Yuxiang Li	Tokyo Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
17	2020A1646	Evaluation of increasing spontaneous polarization by V4+ Jahn-Teller distortion in a novel perovskite-type oxide CaMn (Ti1-xVx) 2O6	Masayuki Fukuda	Tokyo Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
18	2020A1647	Fine Analysis of Self-Organized Nanostructures of Organic Semiconductor Thin Films toward Efficient Optoelectronic Devices	Tatsuya Mori	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	3	BL40B2	Np
19	2020A1649	Evaluation of lattice preferred orientation of hcp iron using high brightness X-ray diffraction measurements: Toward resolving thermal conductivity problem and suggestion of a model for thermal evolution of Earth's core	Yohan Park	Tokyo Institute of Technology	Japan	Educational Organization	Earth and Planetary Science	9	BL10XU	Np
20	2020A1650	X-ray Structure Analysis of Microcrystalline Antiamomatic Compounds for the Evaluation of Intermolecular Interaction	Junichi Usuba	Nagoya University	Japan	Educational Organization	Chemical Science	3	BL02B1	Np

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
21	2020A1652	Quantitative analysis of local strain fields around individual threading dislocations in GaN bulk single crystals using depth-resolved nanobeam X-ray diffraction	Takeaki Hamachi	Osaka University	Japan	Educational Organization	Materials Science and Engineering	12	BL13XU	Np
22	2020A1653*	The origin behind the ferromagnet metal-to-insulator transition in K ₂ Cr ₈ O ₁₆	Ola Kenji Forslund	KTH Royal Institute of Technology	Sweden	Foreign	Materials Science and Engineering	18	BL35XU	Np
23	2020A1656	X-Ray Single Crystal Structural Analysis for Microcrystals of Novel Unsaturated Organosilicon Compounds Having Highly Reactive Multiple Bonds	Ryohei Nishino	Rikkyo Educational Corporation	Japan	Educational Organization	Chemical Science	3	BL02B1	Np
24	2020A1659	Hydride superionic conduction triggered by structural phase transition in layered perovskite oxyhydrides	Kei Okamoto	The Graduate University for Advanced Studies, SOKENDAI	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
25	2020A1660	Na concentration (x) - temperature (T) phase diagram of Co-Mn Prussian blue analogues	Hiroki Iwazumi	University of Tsukuba	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
26	2020A1664	Ion-Pairing Assemblies Exhibiting Electronic and Optical Properties Based on Extended π -Electronic Ions	Shinya Sugiura	Ritsumeikan University	Japan	Educational Organization	Materials Science and Engineering	6	BL40B2	Np
27	2020A1665	Anomalous Hall effect of Pt ultrathin films magnetized by magnetic proximity effect	Shoto Nodo	Hokkaido University	Japan	Educational Organization	Materials Science and Engineering	20.875	BL39XU	Np
28	2020A1666	Understanding the kinetics of adsorption-induced structural transition on metal-organic frameworks	Yuta Sakanaka	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B2	Np
29	2020A1667	Direct observation of the interaction between carbon clusters and dislocations using X-ray absorption spectroscopy under tensile deformation	Kakeru Ninomiya	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	8.75	BL27SU	Np
30	2020A1668	Three-dimensional microstructure analysis and growth process of infant and adult lungs by large-field microscopic synchrotron radiation CT	Kurumi Saitou	Tokushima University	Japan	Educational Organization	Medical Applications	7.875	BL20B2	Np
31	2020A1670	MicroARPES study on layered transition metal nitride (Zr,Hf)NCl _{1-y}	Noriyuki Kataoka	Okayama University	Japan	Educational Organization	Materials Science and Engineering	9	BL25SU	Np
32	2020A1671	Study of the structural behavior of Li-ion conducting Li _{3-n} (OH _n)X (X = Cl, Br)	Anucha Koedtruad	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
33	2020A1672	Mechanism for the formation of ordered structures of π -conjugated polymer chains in diluted blend films	Anjar Hidayat	Nara Institute of Science and Technology	Japan	Educational Organization	Materials Science and Engineering	3	BL40B2	Np
34	2020A1675	The local structure experiment around cation in the ferroelectric oxynitride by x-ray fluorescence holography.	Yuta Yamamoto	Nagoya Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	8.875	BL13XU	Np
35	2020A1678	Study on Network Morphology and Filler Dispersion of Sulfur Cross-linked Isoprene Rubber using Small Angle X-ray Scattering, 2	Kosuke Miyaji	Kyoto Institute of Technology	Japan	Educational Organization	Materials Science and Engineering	3	BL40B2	Np
36	2020A1683	Exploring the high-pressure phase of PbFCl-type BaHCl using in-situ XRD measurements	Hiroki Ubukata	Kyoto University	Japan	Educational Organization	Materials Science and Engineering	6	BL04B1	Np
37	2020A1686	Structural study of spin frustration on double perovskite oxynitride	Kohdai Ishida	Kyoto University	Japan	Educational Organization	Chemical Science	3	BL02B2	Np
38	2020A1687	Structure Analysis of New Oxyhalide Compounds Bi ₄ MO ₆ X ₂ (M = Ca, Sr, Ba; X = Cl, Br)	Chengchao Zhong	Kyoto University	Japan	Educational Organization	Chemical Science	3	BL02B2	Np
39	2020A1688	Evaluation of Charge Density Distribution in π -System-Anion Complexes through High Resolution Crystal Structure X-ray Analysis	Hiroki Tanaka	Ritsumeikan University	Japan	Educational Organization	Materials Science and Engineering	6	BL02B1	Np
40	2020A1690	XAFS study on the relationship between the local structure of Pt and the catalytic activity of oxidation of biomass derived compounds	Takeshi Aihara	Tokyo Metropolitan University	Japan	Educational Organization	Chemical Science	6	BL01B1	Np
41	2020A1692	Clarification of surface modification effect on Rh catalyst with specific mechanism of catalysis	Yoshihide Nishida	Nagoya University	Japan	Educational Organization	Chemical Science	12	BL01B1	Np
42	2020A1694	Ultra-Small KB Mirrors to Focus Soft X-Rays into Spot with Diameter of 50 nm	Takenori Shimamura	The University of Tokyo	Japan	Educational Organization	Beamline Engineering	12	BL25SU	Np

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
43	2020A1695	In situ QXAFS analysis for Al ₂ O ₃ -supported noble metal catalysts effective for three way catalysis	Yuan Jing	Hokkaido University	Japan	Educational Organization	Industrial Applications	15	BL14B2	Np
44	2020A1696	Structure elucidation of solid-solution alloy nanoparticles including early transition metal	Shinya Okazoe	Kyoto University	Japan	Educational Organization	Industrial Applications	6	BL14B2	Np
45	2020A1743	Studies on alignments of non-fullerene acceptors and conjugated polymers in organic photovoltaic devices	Keiichi Ishida	Kyoto University	Japan	Educational Organization	Industrial Applications	3	BL46XU	Np
46	2020A1744	Study on structural analysis of Pt modified iron ceria catalysts in selective hydrodeoxygenation of guaiacol to phenol	Congcong Li	Tohoku University	Japan	Educational Organization	Industrial Applications	6	BL14B2	Np
47	2020A1748	Evaluation of anisotropic triaxial strain relaxation in mesa-structured carbon-doped silicon using synchrotron X-ray diffraction	Kazutoshi Yoshioka	Meiji University	Japan	Educational Organization	Industrial Applications	11.875	BL19B2	Np
48	2020A1841	Development and function elucidation of noble-metal-modified nickel catalyst for fuel reforming with exhaust gas as reforming agent	Mii Betchaku	Tohoku University	Japan	Educational Organization	Industrial Applications	6	BL14B2	Np
49	2020A1844	Investigation into the effect of Sn addition on clustering behavior in Al-Mg-Si alloy by XAFS analysis	Serina Tanaka	University of Hyogo	Japan	Educational Organization	Industrial Applications	2	BL14B2	Np
50	2020A1848	Evaluation of the band structure for the new electrode development in Silicon solar cells.	Tappei Nishihara	Meiji University	Japan	Educational Organization	Industrial Applications	6	BL46XU	Np
51	2020A1849	Evaluation of anisotropic triaxial strain relaxation in mesa-structured carbon-doped silicon using synchrotron X-ray diffraction	Kazutoshi Yoshioka	Meiji University	Japan	Educational Organization	Industrial Applications	12	BL19B2	Np
52	2020A1900	Design and synthesis of bimetallic Cu-Co-based nanostructures by exploring multiple reaction mechanisms on the nanoscale	Masanao Ishijima	University of Shiga Prefecture	Japan	Educational Organization	Industrial Applications	6	BL14B2	Np
53	2020A1904	Evaluation of Thermal Expansion Coefficient in GeSn Nanowire depending on Sn concentration by Reciprocal Space Mapping	Kazutoshi Yoshioka	Meiji University	Japan	Educational Organization	Industrial Applications	18	BL19B2	Np

2020A, Performed Time-Designated Proposals

1Shift =8Hours

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
1	2020A2001	Trace Elemental Analysis Using SR-XRF	Seiya Watanabe	HYOGO Prefectural Police	Japan	National and Nonprofit Organization	Other	3	BL37XU	P
2	2020A2014	Pan-Cov	Nithya Baburajendran	Experimental Drug Development Centre	Singapore	Foreign	Life Science	0.5	BL45XU	P
3	2020A2034	Microspectroscopic analysis of industrial parts	Masaki Oura	RIKEN	Japan	National and Nonprofit Organization	Chemical Science	0.625	BL17SU	P
4	2020A2040	Study of damage induced by x-ray irradiation and analysis of chemical state at interface	Masaki Oura	RIKEN	Japan	National and Nonprofit Organization	Materials Science and Engineering	13	BL17SU	P
5	2020A2043	Micro-XRF-XAFS analysis of environmental and meteorite samples	Yoshio Takahashi	The University of Tokyo	Japan	Educational Organization	Environmental Science	1	BL37XU	P
6	2020A2063	Analysis of Strain Distribution in Epoxy/PES Blends under Stretching with in situ X-ray CT	Takuya Matsumoto	Kobe University	Japan	Educational Organization	Chemical Science	3	BL20XU	P
7	2020A2066	Macromolecule protein crystals for data collection in JASRI	Wang Cheng	Wuxi Biortus Biosciences Co. Ltd	China	Foreign	Industrial Applications	1	BL45XU	P
8	2020A2085	Macromolecule protein crystals for data collection	Wang Cheng	Wuxi Biortus Biosciences Co. Ltd	China	Foreign	Industrial Applications	2	BL45XU	P
9	2020A2097	Electronic state analysis of oxide semiconductors	Hirotsuka Mizushima	Sony Corporation	Japan	Industry	Industrial Applications	2	BL46XU	P
10	2020A2108	Structural analysis of COV2	Nithya Baburajendran	Experimental Drug Development Centre	Singapore	Foreign	Life Science	1	BL45XU	P
11	2020A2109	XAFS analysis of ZrO2	Hirokazu Kurashige	TOSOH Analysis and Research Center Co., Ltd.	Japan	Industry	Industrial Applications	1	BL37XU	P
12	2020A2113	X-ray Imaging Study of Li-ion Battery	Hisao Yamashige	TOYOTA MOTOR CORPORATION	Japan	Industry	Industrial Applications	3	BL20XU	P
13	2020A2115	Structure analysis of polymer electrolyte fuel cell catalyst by X-ray total scattering	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	5.75	BL04B2	P
14	2020A2116	A feasibility study of Compton scattering imaging using high-energy white X-rays	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	8.75	BL28B2	P
15	2020A2117	Analysis of polymer electrolyte fuel cell catalyst by hard X-ray photoelectron spectroscopy (2)	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	3	BL09XU	P
16	2020A2118	Structure analysis of polymer electrolyte fuel cell catalyst by X-ray diffraction (2)	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	3	BL02B2	P
17	2020A2120	Structure analysis of polymer electrolyte fuel cell catalyst by small-angle X-ray scattering	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	6	BL40B2	P

2020A, Performed SPring-8 Measurement Services

1Shift =8Hours

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
1	2020A2003	Measurement of distribution and size of dopant component in fluororesin	Takuya Nobuta	Nitto Analytical Techno-Center Co., Ltd.	Japan	Industry	Industrial Applications	0.25	BL19B2	P
2	2020A2006	Small angle X-ray scattering of steel material	Toshinori Ishida	JFE Steel Corporation	Japan	Industry	Industrial Applications	0.25	BL19B2	P
3	2020A2007	The investigation of the aggregation behavior for silica nanoparticles in the natural rubber matrix	Hyungju Ahn	Pohang Accelerator Laboratory	Korea	Foreign	Industrial Applications	0.5	BL19B2	P
4	2020A2008	Sn K-edge XANES,EXAFS of SnOx film	Nozomi Kubota	Foundation for Promotion of Material Science and Technology of Japan	Japan	National and Nonprofit Organization	Industrial Applications	0.5	BL14B2	P
5	2020A2009	XAFS analysis of trace elements in metal oxides	Tomohiro Inoue	Shin-Etsu Chemical Co., Ltd.	Japan	Industry	Industrial Applications	0.75	BL14B2	P
6	2020A2016	Evaluation of Emulsions	Yozo Kudo	Kobayashi Pharmaceutical Co., Ltd.	Japan	Industry	Industrial Applications	0.25	BL19B2	P
7	2020A2017	Powder X-ray diffraction of metal oxides	Katsushi Ono	Sumitomo Metal Mining Co., Ltd.	Japan	Industry	Industrial Applications	0.5	BL19B2	P
8	2020A2019	Development of functional polymeric materials by using synchrotron X-ray scattering method	Kiminori Uchida	Mitsui Chemicals, Inc.	Japan	Industry	Industrial Applications	0.25	BL19B2	P
9	2020A2021	Investigation of Li ion battery materials	Yi-Tao Cui	SANKA High Technology Co. Ltd.	Japan	Industry	Industrial Applications	0.25	BL19B2	P
10	2020A2023	Powder XRD measurement	Hiromi Seki	KYOCERA Corporation	Japan	Industry	Industrial Applications	1	BL19B2	P
11	2020A2026	Valence estimation of trace metal element in rubber	Atsuhiko Kunishige	UBE Scientific Analysis Laboratory, Inc.	Japan	Industry	Industrial Applications	0.5	BL14B2	P
12	2020A2027	XRD measurements of steel rods	Kazunori Fukuda	Kobelco Research Institute, Inc.	Japan	Industry	Industrial Applications	0.25	BL19B2	P
13	2020A2029	XAFS analysis of ZO2	Hirokazu Kurashige	TOSOH Analysis and Research Center Co., Ltd.	Japan	Industry	Industrial Applications	1	BL14B2	P
14	2020A2032	SAXS study of silica nano-particles in the rubber III	Masanori Sunagawa	DENSO CORPORATION	Japan	Industry	Industrial Applications	0.25	BL19B2	P
15	2020A2033	Powder X-ray Diffraction of low-strain sample IV	Kazuya Tokuda	Sumitomo Electric Industries, Ltd.	Japan	Industry	Industrial Applications	0.25	BL19B2	P
16	2020A2035	Thin film X-ray structural analysis of organic thin film	Hisashi Tetsutani	Nissan Chemical Corporation	Japan	Industry	Industrial Applications	0.5	BL46XU	P
17	2020A2037	Powder XRD measurement	Hiromi Seki	KYOCERA Corporation	Japan	Industry	Industrial Applications	0.5	BL19B2	P
18	2020A2039	Investigation of the structure of Li ion battery materials	Yi-Tao Cui	SANKA High Technology Co. Ltd.	Japan	Industry	Industrial Applications	0.25	BL19B2	P
19	2020A2058	SAXS study of silica nano-particles in the rubber IV	Masanori Sunagawa	DENSO CORPORATION	Japan	Industry	Industrial Applications	0.25	BL19B2	P
20	2020A2059	Characterization of fluorescence materials	Tomoaki Kawamura	Nichia Corporation	Japan	Industry	Industrial Applications	0.25	BL19B2	P

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
21	2020A2060	SAXS measurement of polymers	Itsuki Saito	Polyplastics Co., Ltd.	Japan	Industry	Industrial Applications	0.25	BL19B2	P
22	2020A2061	Chemical valence comparison and local structure investigation on Ca ₂ RuO ₄ + δ	Lei Hu	Tokyo Institute of Technology	Japan	Educational Organization	Chemical Science	0.25	BL14B2	P
23	2020A2062	Structure analysis of the composite materials	Hidemitsu Yamakawa	Canon Inc.	Japan	Industry	Industrial Applications	0.25	BL19B2	P
24	2020A2064	USAXS measurement of Silica filled rubber	Takashi Yuri	TOSOH CORPORATION	Japan	Industry	Industrial Applications	0.25	BL19B2	P
25	2020A2067	Observation of Higher Order Structure of Polymer	Takashi Yajima	Sumitomo Riko Company Limited	Japan	Industry	Industrial Applications	0.25	BL19B2	P
26	2020A2068	Sn K-edge XAFS of SnOx film, Fe K-edge XAFS of Fe doped InAs film	Nozomi Kubota	Foundation for Promotion of Material Science and Technology of Japan	Japan	National and Nonprofit Organization	Industrial Applications	0.5	BL14B2	P
27	2020A2069	XAFS analysis of ZrO ₂	Hirokazu Kurashige	TOSOH Analysis and Research Center Co., Ltd.	Japan	Industry	Industrial Applications	1	BL14B2	P
28	2020A2070	XAFS measurement of oxide powder	Atsushi Nakamura	Koito Manufacturing Co., Ltd.	Japan	Industry	Industrial Applications	0.5	BL14B2	P
29	2020A2071	Powder X-ray Diffraction of low-strain sample V	Kazuya Tokuda	Sumitomo Electric Industries, Ltd.	Japan	Industry	Industrial Applications	0.25	BL19B2	P
30	2020A2072	Powder XRD measurement	Hiromi Seki	KYOCERA Corporation	Japan	Industry	Industrial Applications	0.75	BL19B2	P
31	2020A2074	Chemical form analysis of cesium and related elements in soil	Yuichi Takaku	Institute for Environmental Sciences	Japan	National and Nonprofit Organization	Industrial Applications	0.75	BL14B2	P
32	2020A2075	Speciation analysis of ruthenium in environmental samples.	Yuichi Takaku	Institute for Environmental Sciences	Japan	National and Nonprofit Organization	Industrial Applications	0.25	BL14B2	P
33	2020A2076	Evaluation of Emulsions	Yozo Kudo	Kobayashi Pharmaceutical Co., Ltd.	Japan	Industry	Industrial Applications	0.25	BL19B2	P
34	2020A2077	HAXPES analysis of stainless steel	Mitsuki Sugeoi	NIPPON STEEL Stainless Steel Corporation	Japan	Industry	Industrial Applications	0.75	BL46XU	P
35	2020A2079	Development of functional polymeric materials by using synchrotron X-ray scattering method	Kiminori Uchida	Mitsui Chemicals, Inc.	Japan	Industry	Industrial Applications	0.25	BL19B2	P
36	2020A2080	Powder X-ray Diffraction of low-strain sample VI	Kazuya Tokuda	Sumitomo Electric Industries, Ltd.	Japan	Industry	Industrial Applications	0.25	BL19B2	P
37	2020A2081	X-ray Diffraction of Steel	Amane Kitahara	Kobelco Research Institute, Inc.	Japan	Industry	Industrial Applications	0.25	BL19B2	P
38	2020A2084	XRD measurement of metal nanoparticles	Yasuyuki Takimoto	AGC Inc.	Japan	Industry	Industrial Applications	0.25	BL19B2	P
39	2020A2086	Crystal structure analysis of sulfide solid electrolyte	Atsushi Yao	Idemitsu Kosan Co.,Ltd.	Japan	Industry	Industrial Applications	0.25	BL19B2	P
40	2020A2087	Structural analysis of the high capacity materials for advance lithium ion batteries	Masanori Morishita	Yamagata University	Japan	Educational Organization	Industrial Applications	0.25	BL19B2	P
41	2020A2089	Observation of metal oxides in XAFS	Toshiharu Kadono	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	1	BL14B2	P
42	2020A2091	Powder X-ray Diffraction of low-strain sample VII	Kazuya Tokuda	Sumitomo Electric Industries, Ltd.	Japan	Industry	Industrial Applications	0.25	BL19B2	P

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
43	2020A2093	Crystal structure analysis of materials for lithium ion battery using XRD.	Shugo Yamada	Panasonic Corporation	Japan	Industry	Industrial Applications	0.5	BL19B2	P
44	2020A2095	2D-GIXD measurement of Organic thin films	Yuta Inaba	Sony Corporation	Japan	Industry	Industrial Applications	0.25	BL46XU	P
45	2020A2096	XAFS measurements of vulcanized rubbers	Yohei Nakanishi	Mitsui Chemicals, Inc.	Japan	Industry	Industrial Applications	0.5	BL14B2	P
46	2020A2098	XAFS measurement of Sn in Ga2O3	Hiroki Watanabe	MIRISE Technologies Corporation	Japan	Industry	Industrial Applications	1.25	BL14B2	P
47	2020A2101	SAXS study of silica nano-particles in the rubber V	Masanori Sunagawa	DENSO CORPORATION	Japan	Industry	Industrial Applications	0.25	BL19B2	P
48	2020A2102	XRD measurements of steels	Kazunori Fukuda	Kobelco Research Institute, Inc.	Japan	Industry	Industrial Applications	0.25	BL19B2	P
49	2020A2103	Development of functional polymeric materials by using synchrotron X-ray scattering method	Kiminori Uchida	Mitsui Chemicals, Inc.	Japan	Industry	Industrial Applications	0.25	BL19B2	P
50	2020A2104	Analysis of Silica-filled rubber using USAXS.	Takashi Yuri	TOSOH CORPORATION	Japan	Industry	Industrial Applications	0.25	BL19B2	P
51	2020A2105	Crystal structure analysis of materials for lithium ion battery using XRD.	Shugo Yamada	Panasonic Corporation	Japan	Industry	Industrial Applications	1	BL19B2	P
52	2020A2106	USAXS measurement	Kei Kubobuchi	Denka Company Limited	Japan	Industry	Industrial Applications	0.25	BL19B2	P
53	2020A2107	Low-temperature measurements of powder XRD	Kazunori Fukuda	Kobelco Research Institute, Inc.	Japan	Industry	Industrial Applications	0.25	BL19B2	P
54	2020A2111	X-ray Diffraction of Al Alloy	Amane Kitahara	Kobelco Research Institute, Inc.	Japan	Industry	Industrial Applications	0.25	BL19B2	P
55	2020A2112	EXAFS measurements of metal oxides and metal-contained zeolites.	Masayuki Inaba	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	0.75	BL14B2	P
56	2020A2114	Chemical state analysis for metal oxide materials by HAXPES	Naomi Suzuki	Sumitomo Metal Mining Co., Ltd.	Japan	Industry	Industrial Applications	1	BL46XU	P
57	2020A2119	Development of measurement technique for next generation batteries	Kentaro Kuratani	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Industrial Applications	0.25	BL19B2	P
58	2020A2121	Powder X-ray Diffraction of low-strain sample VIII	Kazuya Tokuda	Sumitomo Electric Industries, Ltd.	Japan	Industry	Industrial Applications	0.25	BL19B2	P
59	2020A2122	Analysis of trace crystal polymorphs in tablet using synchrotron radiation X-ray diffraction	Jun Nakagomi	Sawai Pharmaceutical Co., Ltd.	Japan	Industry	Industrial Applications	0.5	BL19B2	P
60	2020A2123	Ultra small angle X-ray scattering measurement on steel	Shin Takahashi	JFE Techno-Research Corporation	Japan	Industry	Industrial Applications	0.5	BL19B2	P
61	2020A2124	The structural analysis of the positive electrode materials for advanced lithium-ion batteries	Masanori Morishita	Yamagata University	Japan	Educational Organization	Industrial Applications	0.25	BL19B2	P
62	2020A2125	Amorphous alloy characteristic survey	Maria Kawano	Daido Bunseki Research, INC.	Japan	Industry	Industrial Applications	0.25	BL19B2	P
63	2020A2126	Structural analysis of glasses	Hiroyuki Inoue	The University of Tokyo	Japan	Educational Organization	Industrial Applications	0.75	BL19B2	P
64	2020A2127	Structural study of functional fillers in polyurethane rubber compounds	Keisuke Itoh	Industrial Technology Institute, Miyagi Prefectural Government	Japan	National and Nonprofit Organization	Industrial Applications	0.25	BL19B2	P

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
65	2020A2128	Investigation of Li ion batteries.	Yi-Tao Cui	SANKA High Technology Co. Ltd.	Japan	Industry	Industrial Applications	0.25	BL19B2	P

2020A, Performed Feasibility Study Proposals for Industrial Application

1Shift =8Hours

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
1	2020A2011	Observation of oils and fats scattered in microcapsules using cross-linked gelatin	Shunsuke Matsumoto	Aobakasei	Japan	Industry	Industrial Applications	0.125	BL46XU	P
2	2020A2036	XAFS for material	Akihiro Saeki	TOYOTA INDUSTRIES CORPORATION	Japan	Industry	Industrial Applications	0.125	BL14B2	P
3	2020A2065	Observation of inclusions in iron by synchrotron radiation laminography	Kosuke Shibairi	NHK Spring Co., Ltd.	Japan	Industry	Industrial Applications	0.25	BL46XU	P
4	2020A2073	STRUCTURE OF SEMICONDUCTOR ELEMENT	Kazuhiko Fujii	Hitachi Astemo, Ltd.	Japan	Industry	Industrial Applications	0.25	BL19B2	P
5	2020A2110	High-resolution X-ray CT imaging test of metal contact interface	Junishi Nakamura	Honda Motor Co., Ltd.	Japan	Industry	Industrial Applications	0.25	BL46XU	P

2020A, Performed Priority Research Proposals: Industrial Application Proposals Using Advanced Technology

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

1Shift =8Hours

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
1	2020A1698*	Structure of densified silica glass revealed by high-energy X-ray diffraction	Madoka Ono	Hokkaido University	Japan	Educational Organization	Industrial Applications	8	BL04B2	Np
2	2020A1700	Relation between chain structure of magnetic/nonmagnetic particles and bulk elastic modulus for magnetic responsive soft materials	Tetsu Mitsumata	Niigata University	Japan	Educational Organization	Industrial Applications	6	BL20XU	Np
3	2020A1701	Structure of amorphous silica revealed by high-energy X-ray diffraction	Tomohiro Kyotani	Mitsubishi Chemical Corporation	Japan	Industry	Industrial Applications	3	BL04B2	Np
4	2020A1702	Decompletion observation of sulfide solid electrolytes by liquid-phase synthesis using time resolved PDF	Futoshi Utsuno	Idemitsu Kosan Co.,Ltd.	Japan	Industry	Industrial Applications	18	BL08W	Np
5	2020A1703	Structural model for observation of dry-process of sulfide solid electrolytes manufactured by liquid synthesis using time resolved PDF	Futoshi Utsuno	Idemitsu Kosan Co.,Ltd.	Japan	Industry	Industrial Applications	6	BL04B2	Np
6	2020A1704	X-ray Visualization for dynamic structure of Li ion battery during nail penetration test.	Hisao Yamashige	TOYOTA MOTOR CORPORATION	Japan	Industry	Industrial Applications	12	BL28B2	Np
7	2020A1705	Analysis of the correlation between sulfur and zinc compounds in vulcanized polyolefin rubber using μ -XRF	Yohei Nakanishi	Mitsui Chemicals, Inc.	Japan	Industry	Industrial Applications	6	BL27SU	Np
8	2020A1706	Synchrotron-IR microscopy of all-solid-state batteries	Keisuke Tomiyasu	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	6	BL43IR	Np

2020A, Performed Non-Proprietary Grant-Aided Proposals

1Shift =8Hours

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
1	2020A1001	Development of depth resolve technique in Scanning X-ray Back Scattered Diffraction microscopy (II)	Yutaka Matsuura	Research Institute for Applied Sciences	Japan	National and Nonprofit Organization	Materials Science and Engineering	17.75	BL39XU	Np
2	2020A1002	Characterization of crystal perfection and lattice-plane orientation mapping of homo-epitaxial GaN (0001) thin films	Osami Sakata	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	5	BL20B2	Np
3	2020A1003	Structural analysis of a candidate permanent magnet (Sm _{1-x} Zr _x)(Fe _{1-y} Co _y) ₁₂ single-crystalline thin films	Satoshi Hirosawa	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL13XU	Np
4	2020A1004	Clarifying the local magnetization reversal process in Ga-doped Nd-Fe-B sintered magnet at high temperature by scanning soft-X-ray MCD microscopy	Satoshi Hirosawa	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	15	BL25SU	Np
5	2020A1005	Hard X-ray magnetic tomography and high-sensitive magnetoresistance analysis to study the magnetization reversal process of fine-grain Nd-Fe-B sintered magnets(II)	Satoshi Hirosawa	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	15	BL39XU	Np
6	2020A1006	Investigation of kink-band generation mechanism with using a grain-boundary imaging method to analyze kink deformation behavior in bulk LPSO-Mg alloys	Shigeru Kimura	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	6	BL28B2	Np
7	2020A1007	Precise analysis of microdomain structure of elastomeric materials during various deformation modes by in-situ small angle X-ray scattering measurements	Atsushi Takahara	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	6	BL40XU	Np
8	2020A1008	Exploration of a possible role of the Co (La) sp electronic states in the unusual magnetism of trivalent Co oxides	Tomohiko Saitoh	Tokyo University of Science	Japan	Educational Organization	Materials Science and Engineering	3	BL09XU	Np
9	2020A1009	In-situ X-ray absorption spectroscopy study of electrocatalysts for oxygen evolution reaction(3)	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Chemical Science	3	BL01B1	Np
10	2020A1010	X-ray diffraction study of electrocatalysts for oxygen evolution reaction(2)	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL02B2	Np
11	2020A1011	Operando XAS analysis on Ni-Co oxide catalysts for water electrolysis (1).	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Chemical Science	12	BL37XU	Np
12	2020A1012	Interfacial structural analysis between electrode and ionomer for water electrolysis using operando grazing incidence small-angle x-ray scattering(1)	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Chemical Science	3	BL40B2	Np
13	2020A1013	operando soft X-ray absorption spectroscopy study of catalyst for water electrolysis	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Chemical Science	8.75	BL27SU	Np
14	2020A1014	Operando XAFS study on electronic structure of sulfur cathode materials supported on porous carbon in solvated ionic liquid electrolyte during charge/discharge processes	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Chemical Science	9	BL27SU	Np
15	2020A1015	Direct observation of Li metal dendrite growth inside all-solid-state lithium battery using operando X-ray imaging method	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Chemical Science	9	BL20XU	Np
16	2020A1016	Formation mechanism analysis of sulfide solid electrolyte obtained from liquid phase synthesis for all solid lithium ion battery by high energy X-ray diffraction	Kentaro Yamamoto	Kyoto University	Japan	Educational Organization	Chemical Science	5.875	BL08W	Np
17	2020A1017	Degradation mechanism analysis of sulfide solid electrolyte under humidity condition by using angle resolved soft X-ray absorption spectroscopy (1)	Kentaro Yamamoto	Kyoto University	Japan	Educational Organization	Chemical Science	9	BL27SU	Np
18	2020A1018	Chemical analysis of fluoride ions in fluoride shuttle batteries using soft X-ray XAFS	Ken-ichi Okazaki	Kyoto University	Japan	Educational Organization	Chemical Science	11.875	BL27SU	Np
19	2020A1019	Inspection of in situ / operando O K-edge XAFS technique for reaction mechanism analysis of cathode in rechargeable Zinc-Air battery	Ken-ichi Okazaki	Kyoto University	Japan	Educational Organization	Industrial Applications	17.875	BL27SU	Np
20	2020A1020	Fine structure analysis of supported metal catalyst for hydrogen production	Yasushi Sekine	Waseda University	Japan	Educational Organization	Industrial Applications	3	BL14B2	Np

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
21	2020A1021	In-situ diffraction experiments during deformation for controlling different deformation modes in metallic materials	Nobuhiro Tsuji	Kyoto University	Japan	Educational Organization	Industrial Applications	3	BL46XU	Np
22	2020A1022	In-situ analysis on work hardening behavior of 7Mn ultrafine eqiaxed grained martensitic 0.15C-7Mn steel and 3D additive manufactured Ni alloy with excellent strength and ductility	Shiro Torizuka	University of Hyogo	Japan	Educational Organization	Industrial Applications	3	BL46XU	Np
23	2020A1716	Fine structure analysis on supported metal catalyst for low temperature methane conversion and ammonia synthesis	Yasushi Sekine	Waseda University	Japan	Educational Organization	Industrial Applications	6	BL14B2	Np
24	2020A1717	Observation of dynamic precipitation behavior during hot deformation in Al-Mn series alloys	Hiroki Adachi	University of Hyogo	Japan	Educational Organization	Industrial Applications	4	BL19B2	Np
25	2020A1758	In-situ analysis on work hardening behavior of 3D additive manufactured Inconel 718 Ni alloy with excellent strength and ductility	Shiro Torizuka	University of Hyogo	Japan	Educational Organization	Industrial Applications	2.75	BL46XU	Np
26	2020A1780	Protein Crystallographic Analyses on 'Platform Project for Supporting Drug Discovery and Life Science Research(BINDS)'	Masaki Yamamoto	RIKEN	Japan	National and Nonprofit Organization	Life Science	27.75	BL41XU	Np
27	2020A1781	High-resolution X-ray CT Measurement of Cathode of All Solid-state Lithium-ion Battery Under High Pressure Condition for Numerical Simulation	Manabu Kodama	Tokyo Institute of Technology	Japan	Educational Organization	Industrial Applications	3	BL20XU	Np
28	2020A1782	High-resolution X-ray CT Measurement of Anode of All Solid-state Lithium-ion Battery Under High Pressure Condition for Numerical Simulation	Manabu Kodama	Tokyo Institute of Technology	Japan	Educational Organization	Industrial Applications	3	BL47XU	Np
29	2020A1783	Phonon dispersion of organic semiconductor rubrene	Yusuke Wakabayashi	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	3	BL35XU	Np
30	2020A1784	Development of depth resolve technique in Scanning X-ray Back Scattered Diffraction microscopy (III)	Tetsuya Nakamura	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	6	BL39XU	Np
31	2020A1785	Clarification of temperature dependence of magnetism of intergranular phase in high-performance Nd-Fe-B magnets detected by XMCD	Satoshi Hirozawa	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	7	BL25SU	Np
32	2020A1786	The investigation on the local structure of ionic conductive ceria nanosheets	Eisuke Yamamoto	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	6	BL01B1	Np
33	2020A1787	Elucidation of magnetic properties of tiny secondary phases in Nd-Fe-B sintered magnets by scanning soft X-ray MCD microspectroscopy	Satoshi Hirozawa	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	7	BL25SU	Np
34	2020A1788	Analysis of trace elements in a human cultured myocyte treated with catecholamine using nanobeam X-ray fluorescence spectrometer	Shigekazu Fujioka	Osaka Health Science University	Japan	Educational Organization	Life Science	3	BL37XU	Np
35	2020A1789	Clarification of Li metal dendrite growth mechanism inside all-solid-state lithium battery using in situ X-ray imaging method	Kentaro Yamamoto	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL20XU	Np
36	2020A1790	X-ray diffraction study of electrocatalysts for oxygen evolution reaction(3)	Yoshiharu Uchimoto	Kyoto University	Japan	Educational Organization	Chemical Science	3	BL02B2	Np
37	2020A1792	Fundamental examination of cellular distribution of uranium	Shino Takeda	National Institutes for Quantum and Radiological Science and Technology	Japan	National and Nonprofit Organization	Medical Applications	6	BL37XU	Np
38	2020A1793	Impact of additive ions on crystallization in glasses	Kenji Shinozaki	National Institute of Advanced Industrial Science and Technology	Japan	National and Nonprofit Organization	Materials Science and Engineering	2	BL01B1	Np
39	2020A1794	Characterization of crystal perfection and lattice-plane orientation mapping of homo-epitaxial GaN layer on GaN substrate.	Toshihide Nabatame	National Institute for Materials Science	Japan	National and Nonprofit Organization	Materials Science and Engineering	2	BL20B2	Np
40	2020A1795	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
41	2020A1796	Tomography for bridging nano and macro: semi-spontaneous interfacial debonding	Hiroyuki Toda	Kyushu University	Japan	Educational Organization	Materials Science and Engineering	9	BL20XU	Np

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
42	2020A1797	Effect of phase size on deformation behavior of heterogeneous materials composed of soft and hard phases	Hiroki Adachi	University of Hyogo	Japan	Educational Organization	Industrial Applications	3	BL46XU	Np
43	2020A1798	Electronic states and structures analysis of metal nanoparticle catalysts by XAFS	Suguru Fukazawa	Research Association of High-Throughput Design and Development for Advanced Functional Materials	Japan	Industry	Industrial Applications	4	BL14B2	Np
44	2020A1799	Structure analysis of polymer electrolyte fuel cell catalyst by operando X-ray absorption spectroscopy	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	9	BL14B2	Np
45	2020A1800	Structure analysis of polymer electrolyte fuel cell catalyst by X-ray diffraction	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	6	BL19B2	Np
46	2020A1801	XRD study on Pt-based electrode for Polymer Electrolyte Fuel Cells	Tomoki Uchiyama	Kyoto University	Japan	Educational Organization	Industrial Applications	6	BL19B2	Np
47	2020A1802	Structure analysis of polymer electrolyte fuel cell catalyst by hard X-ray photoelectron spectroscopy	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	6	BL46XU	Np
48	2020A1803	Elucidation of the electron state and local fine structure of metal active site on various ultra-small metal cluster supported catalyst. Various ultra-small metal cluster such as Au-Pd and P-V-Mo-O supported catalysts showed high catalytic activity. 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	Industrial Applications	3	BL14B2	Np
49	2020A1853	Investigation of reaction mechanism on low-temperature NOx reduction in an electric field by XANES	Yasushi Sekine	Waseda University	Japan	Educational Organization	Industrial Applications	6	BL14B2	Np
50	2020A1854	In-situ diffraction experiments during deformation for controlling different deformation modes in metallic materials II	Nobuhiro Tsuji	Kyoto University	Japan	Educational Organization	Industrial Applications	4	BL46XU	Np
51	2020A1855	Structure analysis of carbon supports for polymer electrolyte fuel cell catalyst by hard X-ray photoelectron spectroscopy	Hideto Imai	NISSAN ARC, LTD.	Japan	Industry	Industrial Applications	6	BL46XU	Np
52	2020A1856	Electronic states and structures analysis of metal nanoparticle catalysts by XAFS	Suguru Fukazawa	Research Association of High-Throughput Design and Development for Advanced Functional Materials	Japan	Industry	Industrial Applications	4	BL14B2	Np
53	2020A1857	In-situ analysis on work hardening behavior of 3D additive manufactured Hastelloy X Ni alloy with excellent strength and ductility	Shiro Torizuka	University of Hyogo	Japan	Educational Organization	Industrial Applications	2	BL46XU	Np

2020A, Performed Long-term Proposals

1Shift =8Hours

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
1	2020A0159	Advanced Structural Materials Science using high energy X-ray with two dimensional detector.	Eiji Nishibori	University of Tsukuba	Japan	Educational Organization	Materials Science and Engineering	38.75	BL02B1	Np
2	2020A0164	Development of tender X-ray ptychography and its application	Yukio Takahashi	Tohoku University	Japan	Educational Organization	Beamline Engineering	14.875	BL27SU	Np
3	2020A0165	Initial analysis of Hayabusa2 samples using X-ray tomography; development and evaluation of the analytical method and actual analysis.	Akira Tsuchiyama	Ritsumeikan University	Japan	Educational Organization	Earth and Planetary Science	18	BL20XU	Np
4	2020A0166	Initial analysis of Hayabusa2 samples using X-ray tomography; development and evaluation of the analytical method and actual analysis.	Akira Tsuchiyama	Ritsumeikan University	Japan	Educational Organization	Earth and Planetary Science	23.75	BL47XU	Np
5	2020A0168	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	12	BL26B1	Np
6	2020A0171	Crystal structure analysis of membrane transporters	Chikashi Toyoshima	The University of Tokyo	Japan	Educational Organization	Life Science	24	BL41XU	Np
7	2020A0172	Initiation and growth mechanisms of small internal cracks of high strength materials in the very high cycle fatigue	Takashi Nakamura	Hokkaido University	Japan	Educational Organization	Materials Science and Engineering	15	BL20XU	Np
8	2020A0174	Development of micro-XRF-XAFS study for geo- and cosmo-chemical samples: extention to higher energy region and introduction of transition-edge sensor detector	Yoshio Takahashi	The University of Tokyo	Japan	Educational Organization	Earth and Planetary Science	6	BL01B1	Np
9	2020A0176	Development of multi-beam 4D X-ray tomography with a ms-order temporal resolution and its applications	Wataru Yashiro	Tohoku University	Japan	Educational Organization	Life Science	26.375	BL28B2	Np
10	2020A0179	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
11	2020A0180	Development of micro-XRF-XAFS study for geo- and cosmo-chemical samples: extention to higher energy region and introduction of transition-edge sensor detector	Yoshio Takahashi	The University of Tokyo	Japan	Educational Organization	Earth and Planetary Science	11.875	BL37XU	Np

2020A, Performed Priority Research Proposals: Partner User Proposals

1Shift =8Hours

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
1	2020A0062	Advancement of ambient pressure solution cell development and observation of liquid electronic state, for elucidation of solid-liquid interface phenomena	Eiji Ikenaga	Nagoya University	Japan	Educational Organization	Chemical Science	9	BL47XU	Np
2	2020A0063	High-energy X-ray multi-purpose one-dimensional diffraction for the materials science research under external fields	Chikako Moriyoshi	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	3	BL02B2	Np
3	2020A0064	Advancement of science for understanding dynamics of the Earth's deep interior utilizing large-volume press	Yoshio Kono	Ehime University	Japan	Educational Organization	Earth and Planetary Science	6	BL04B1	Np
4	2020A0065	Construction of composite measurement technology of resonant hard x-ray photoemission and resonant x-ray emission spectroscopies, for elucidating quantum critical phenomena of strongly correlated electron system	Kojiro Mimura	Osaka Prefecture University	Japan	Educational Organization	Materials Science and Engineering	9	BL09XU	Np
5	2020A0066	Novel development of high-pressure and high-temperature diamond-anvil cell experiments	Kei Hirose	Tokyo Institute of Technology	Japan	Educational Organization	Earth and Planetary Science	6	BL10XU	Np
6	2020A0067	Advancement of ambient pressure solution cell development and observation of liquid electronic state, for elucidation of solid-liquid interface phenomena	Eiji Ikenaga	Nagoya University	Japan	Educational Organization	Chemical Science	45	BL47XU	Np
7	2020A0068	High-energy X-ray multi-purpose one-dimensional diffraction for the materials science research under external fields	Chikako Moriyoshi	Hiroshima University	Japan	Educational Organization	Materials Science and Engineering	44.875	BL02B2	Np
8	2020A0069	Advancement of science for understanding dynamics of the Earth's deep interior utilizing large-volume press	Yoshio Kono	Ehime University	Japan	Educational Organization	Earth and Planetary Science	45	BL04B1	Np
9	2020A0070	Study of orbital physics by precise electron density analysis including operant measurements	Hiroshi Sawa	Nagoya University	Japan	Educational Organization	Materials Science and Engineering	35.875	BL02B1	Np
10	2020A0071	Construction of composite measurement technology of resonant hard x-ray photoemission and resonant x-ray emission spectroscopies, for elucidating quantum critical phenomena of strongly correlated electron system	Kojiro Mimura	Osaka Prefecture University	Japan	Educational Organization	Materials Science and Engineering	36	BL09XU	Np
11	2020A0072	Novel development of high-pressure and high-temperature diamond-anvil cell experiments	Kei Hirose	Tokyo Institute of Technology	Japan	Educational Organization	Earth and Planetary Science	44.875	BL10XU	Np

2020A, Performed Epoch-making Initiatives Proposals

1Shift =8Hours

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
1	2020A0938	Time evolution of the passivation layer at iron and iron alloy surfaces	Yusuke Wakabayashi	Tohoku University	Japan	Educational Organization	Materials Science and Engineering	6	BL13XU	Np
2	2020A0943	Analysis of electroless plating reaction by time-resolved XAFS	Junichi Nakajima	Nissan Chemical Corporation	Japan	Industry	Industrial Applications	5.875	BL28B2	Np
3	2020A0944	Realtime observation of structural change of interface between substrate, metallic species, and supports of automobile exhaust catalysts	Hiroyuki Asakura	Kyoto University	Japan	Educational Organization	Chemical Science	9	BL01B1	Np
4	2020A0945	Metal-support interface of metal cluster catalysts	Hiroyuki Asakura	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL37XU	Np
5	2020A0947	XAS-based Initiative for the Future Flow Synthetic Technology	Hikaru Takaya	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL20XU	Np
6	2020A0948	XAS-based Initiative for the Future Flow Synthetic Technology	Hikaru Takaya	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL40XU	Np
7	2020A0950	XAS-based Initiative for the Future Flow Synthetic Technology	Hikaru Takaya	Kyoto University	Japan	Educational Organization	Chemical Science	6	BL14B2	Np
8	2020A0953	Analysis depth distribution and electronic state of water and solute at a solid-liquid interface	Kosuke Yamazoe	The University of Tokyo	Japan	Educational Organization	Chemical Science	6	BL43IR	Np

2020A, Performed Urgent Proposals

1Shift =8Hours

S/N	Proposal Number	Proposal Title	Project Leader	Affiliation	Country	Affiliation Category	Research Category	Shift	Beamline	Proprietary(P)/ Non-proprietary(Np)
1	2020A1756	Improvement of an inner-wall coating material for ECMO by correlation analysis between interfacial water and polymer using broad-band synchrotron infrared spectroscopy	Yuka Ikemoto	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	36	BL43IR	Np
2	2020A1757	Structural basis of COVID-19 virus entry mediated by GPCR co-receptors	Fei Xu	ShanghaiTech University	China	Foreign	Life Science	7	BL45XU	Np
3	2020A1778	Development of novel protease inhibitors against severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)	Hironori Hayashi	Tohoku University	Japan	Educational Organization	Life Science	1.5	BL41XU	Np
4	2020A1779	Improvement of an inner-wall coating material for ECMO by correlation analysis between interfacial water and polymer using broad-band synchrotron infrared spectroscopy	Yuka Ikemoto	Japan Synchrotron Radiation Research Institute	Japan	National and Nonprofit Organization	Materials Science and Engineering	21	BL43IR	Np