

Proposal Number	Spokesperson	Title
2008S2-001	TSUKIHARA Tomitake Osaka Univ.	Targeted Protein Research Program
2008S2-002	ANDO Masami Tokyo Univ. of Sci.	Basic Study of High Performance Refraction-based X-ray Imaging towards Clinical and Pathological Application
2008S2-003	OSHIMA Masaharu The Univ. of Tokyo	Electronic structure analysis of new functional materials by high-resolution nano-spectroscopy
2008S2-004	WAKABAYASHI Yusuke KEK-PF	Structural materials science under magnetic fields --- mainly on magnetic field induced phase transition ---
2008U001	WASEDA Atsushi AIST	Crystal evaluation for the determination of the Avogadro constant
2008U002	YAMAGUCHI Maki The Jikei Univ.	X-ray diffraction study on the cardiac cell of which troponin is exchanged to mutant troponin related to familial hypertrophic cardiomyopathy
2008U003	LIU Zhi-Jie CAS, China	structure determination of porphobilinogen deaminase complex with its substrates
2008U004	OSHIMA Masaharu The Univ. of Tokyo	Development of 3-dimension nano-ESCA system and nano-analysis of electronic state
2008G001	KINOSHITA Takayoshi Osaka Prefecture Univ.	Structural insight into protein recognition site of ERK family
2008G002	KINOSHITA Takayoshi Osaka Prefecture Univ.	Structural insight into Src family kinases
2008G003	UEDONO Akira Univ. of Tsukuba	Study of the emission process of Ps from self-standing thin films using Ps-TOF measurements
2008G004	SUN Fei CAS, China	Crystallographic study of group II chaperonins from <i>Acidianus tengchongensis</i> strain S5
2008G005	SUN Fei CAS, China	Crystallographic study of the bacterial prolipoprotein posttranslational lipid modification system - crystal structure of membrane protein, prolipoprotein: phosphatidylglycerol diacylglycerol transferase
2008G006	AKIMOTO Koichi Nagoya Univ.	Structural study of tribological performance by X-ray diffraction
2008G007	WANG Da-Cheng CAS, China	Crystal structures of Cullin 3-based ubiquitin ligase complexes
2008G008	TOMITA Kozo AIST	Molecular basis for peptide-bond formation by aminoacyl-tRNA protein transferases
2008G009	SAITO Norio AIST	X-ray intensity standard from 1 keV to 40 keV region using a cryogenic calorimeter
2008G010	FUJIMORI Atsushi The Univ. of Tokyo	Soft x-ray magnetic circular dichroism of oxide-based 3d transition-metal diluted ferromagnetic semiconductors
2008G011	NAGAI Takaya Hokkaido Univ.	Phase relations and crystal structures on $\text{CaTiO}_3\text{-A}^{3+}\text{B}^{3+}\text{O}_3$ type perovskite solid solutions at high pressure and high temperature
2008G012	NAGAI Takaya Hokkaido Univ.	Origin of diamonds derived from the Earth's lower mantle
2008G013	TONOZUKA Takashi Tokyo Univ. of Agri. & Tech.	Study on structures of non-toxic components of the botulinum toxin complex
2008G014	EDAMOTO Kazuyuki Rikkyo Univ.	Angle-resolved photoemission study of the $\text{Ni}_2\text{P}$ single-crystal surfaces
2008G015	TSUNODA Masaru Iwaki Meisei Univ.	Crystal structure analyses of actinohivin for development of HIV preventive medicine
2008G016	OZAWA Kenichi Tokyo Inst. of Tech.	Angle-resolved photoemission study of hydrogen-induced metallicity on semiconductor surfaces
2008G017	SHIMURA Takayoshi Osaka Univ.	Synchrotron X-ray Diffraction Study of Oxidation Process of SiGe Alloy
2008G018	SHIRAI Masayuki AIST	Structural Analysis on Active Sites of Supported Metal Catalysts for Lignin Gasification in Supercritical Water Using XAFS Technique
2008G019	EMURA Shuichi Osaka Univ.	Analysis of local structure around doped Gd and Cr in GaN quantum rod
2008G020	SAKAI Seiji JAEA	X-ray photoelectron / absorption spectroscopy analysis of molecular spintronics systems
2008G021	YAMAMOTO Akiji NIMS	Structure analysis of a CDW phase in $\text{Mn}_3\text{Si}$
2008G022	MATSUSHITA Tadashi KEK-PF	Development of a New Method for Time-resolved Measurement of Crystal Truncation Rod
2008G023	HIROKAWA Nobutaka The Univ. of Tokyo	Molecular Mechanism of Intracellular Transport by Kinesin Motors
2008G024	KAMIYA Yuichi Hokkaido Univ.	XAFS investigation on the structure of the active sites in two types of Cu-Pd cluster catalyst stabilized with citrate and oleylamine
2008G025	MIYAKE Akira Kyoto Univ.	<i>In-situ</i> high temperature synchrotron powder diffraction measurements in $\text{Al}_2\text{O}_3\text{-SiO}_2$ system
2008G026	WACHINO Jun-ichi Natl. Inst. of Genetics	Crystal structure of bacterial 16S rRNA methyltransferase conferring antibiotic resistance
2008G027	YAMAMOTO Katsuhiro Nagoya Inst. of Tech.	Analysis of Hierarchical Structure in Block Copolymer Thin Film using Simultaneous Grazing Incidence Wide- and Small-Angle X-ray Scattering Measurements
2008G028	YOSHITAKE Hideaki Yokohama Natl. Univ.	Local Structure of lanthanoid redox site incorporated in mesoporous titania with high large surface area

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2008G029	TANAKA Nobutada Showa Univ.	Crystal structure analysis of a hydrolase from <i>Mycobacterium tuberculosis</i>
2008G030	TUGE Hideaki Tokushima Bunri Univ.	The recognition mechanism between ADP-ribosyltransferase and the substrate protein
2008G031	NOJIMA Shuichi Tokyo Inst. of Tech.	Effects of Block Chains Tethered at Interface on the Crystallization of Homopolymers Confined within Microdomain Structures
2008G032	TOKANAI Fuyuki Yamagata Univ.	Development of radiation detector using hole-type glass plate
2008G033	HONDA Shinya AIST	Structural basis of proteins improved through the segment-optimizing approach
2008G034	JIANG Tao CAS, China	X-ray Structural Studies of Membrane Transporters and MIF-related protein complexes
2008G035	CHANG Wen-ru CAS, China	Crystal Structural Studies on Light Harvesting Complexes in the Higher Plant
2008G036	LIANG Dong-Cai CAS, China	X-ray structural studies of proteins and protein complexes in the two-component signal transduction (TCS) system and the DNA double-strand break (DSB) recombination repair system
2008G037	MATSUSHITA Yoshitaka NIMS	Phase relation of ionic conductors under high pressure
2008G038	TAKIUE Takanori Kyushu Univ.	Study on the solvation structure of counter ion of ionic liquids in the surface adsorbed film
2008G039	UO Motohiro Hokkaido Univ.	Development of micro-mapping XAFS method using X-ray poly-capillary and its application for biological specimens
2008G040	KANAI Kaname Nagoya Univ.	NEXAFS study on electronic structure and molecular orientation of molecules adsorbed on transition metal oxide films
2008G041	KOSHIDA Kichiro Kanazawa Univ.	Development of OSL and DOT dosimeter filters for 10keV–60keV photons
2008G042	YAGI Takehiko The Univ. of Tokyo	Development of high-pressure and high-temperature X-ray diffraction techniques using nano-polycrystalline diamond
2008G043	OKAMOTO Yoshihiro JAEA	Fundamental Research on Simultaneous Recovery of Metals from Spent Nuclear Fuels in the Pyrochemical Process
2008G044	FUKUI Ken-ichi Tokyo Inst. of Tech.	XAFS Analysis of Homogeneous Rh Clusters on Alumina Surface
2008G045	ITOU Hiroshi Natl. Inst. of Genetics	Structural study of the transcription fidelity maintenance domain of the cyanobacterial RNA polymerase
2008G046	TAGUCHI Hayao Tokyo Univ. of Sci.	Establishment of structural base for functional modification of 2-hydroxyacid dehydrogenases
2008G047	NAKAHIRA Atsushi Osaka Prefecture Univ.	XAFS study of local structures of amorphous apatite synthesized by electrode reactions
2008G048	SASAKI Satoshi Tokyo Inst. of Tech.	Intermediate Spin State of LaCoO <sub>3</sub> Studied by Resonant X-Ray Magnetic Scattering
2008G049	HIRAI Hisako Univ. of Tsukuba	Phase changes of filled-ice hydrogen hydrates under high pressure at room temperature and at low temperatures
2008G050	MARUTA Shinsaku Soka Univ.	Analysis of conformational change of rice plant kinesin accompanied by energy transduction using X-ray small angle scattering
2008G051	PARK Sam-Yong Yokohama City Univ.	Crystal structure of PA-subunit from Influenza Virus
2008G052	KAWANO Masaki The Univ. of Tokyo	Synchrotron structure analysis of self-assembled giant complexes and in situ observation of chemical reaction in a crystal
2008G053	CHA Sun-Shin KORDI	Crystal structures of Lon from <i>Escherichia coli</i> and Nur from <i>Streptomyces coelicolor</i>
2008G054	YAMADA Atsuo Tokyo Inst. of Tech.	Local Structure and Electronic State Study on Poly-anion Based Cathode Materials
2008G055	NEGISHI Riichirou Saitama Inst. of Tech.	Study of image analysis by using phase-controlled dynamical diffraction with resonant scattering
2008G056	SENDA Toshiya AIST	High resolution crystal structure analysis of D-Aspartate Oxidase
2008G057	MATSUDA Iwao The Univ. of Tokyo	Development of ultrafast time-resolved soft X-ray spectroscopy system and study on dynamics in Ni crystals (films) with molecules
2008G058	KOMABA Shinichi Tokyo Univ. of Sci.	XAFS analyses of Ni-Mn and Fe based oxides for Li secondary battery materials
2008G059	AKIMOTO Koichi Nagoya Univ.	GaP(001) surface structure studied by surface X-ray diffraction
2008G060	OBA Fumiyasu Kyoto Univ.	Electronic structure of Ga <sub>1-x</sub> Mn <sub>x</sub> N and Ga <sub>2-x</sub> MnxO <sub>3</sub> diluted magnetic semiconductors
2008G061	TABUCHI Masao Nagoya Univ.	Local structures around Mn in Mn doped ZnO film analyzed by XAFS
2008G062	UEDA Hiroaki The Univ. of Tokyo	Study of "prime numbers selective" Devil's staircase transition in charge ordering phase of vanadium oxides under pressure
2008G063	SUGANO Yasushi Tokyo Inst. of Tech.	Characterization of the active site(s) of DyP representing a novel peroxidase family
2008G064	OHKUBO Takahiro Okayama Univ.	Formation mechanism of electrolytic solution under nano-restricted systems

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2008G065	BESSADA Catherine CNRS, France	X-Rays absorption measurements at high temperature on molten ZrF <sub>4</sub> -MF (M=Li, Na, K) mixtures
2008G066	SHIOMI Tomoo Nagaoka Univ. of Tech.	Formation of phase structure in liquid-crystallization from microphase separated and disordered states in block copolymers
2008G067	ISHIKAWA Fumitaro Osaka Univ.	Study on the anneal induced atomic rearrangements in III-N-V semiconductors by XAFS spectroscopy
2008G068	KITAGAWA Hiroshi Kyushu Univ.	Systematic analysis of crystal structures of two-leg and four-leg MX-Ladder complex under high pressure
2008G069	PENMETCHA K.R.Kumar AIST	Crystal structure of HutP complexed with L-histidine and Zn <sup>2+</sup> ions
2008G070	MURATA Hidenori Tokyo Univ. of Sci.	Structural Analysis of Carbon Particles Modified with Polypyrrole Including Various Metal Ions
2008G071	TAKESHITA Hiroki Nagaoka Univ. of Tech.	Structure and fast shrinking kinetics of PNIPA gels containing a surfactant
2008G072	TAKANISHI Yoichi Kyoto Univ.	Analysis of Local Molecular Orientation in Nobel Liquid Crystalline Phases using X-ray Microbeam Wide-angle Scattering
2008G073	YOSHIKAWA Masayuki Univ. of Tsukuba	Absolute calibration experiments for VUV and SX spectrographs
2008G074	ENDO Osamu Tokyo Univ. of Agri. & Tech.	XAFS study on structures of Na aggregates supported by chain hydrocarbons on graphite
2008G075	TAMADA Taro JAEA	Development of automatic identification system for protein hydration waters by complementary use of X-ray and neutron
2008G076	IDE Ari Kyoto Univ.	Analysis of Natural Mineral Pigments on Asian Art
2008G077	HIRAI Hisako Univ. of Tsukuba	Structure analyses of pressure-induced solid ethane and a methane-ethane Van der Waals compound
2008G078	HAMAYA Nozomu Ochanomizu Univ.	Experimental verification of liquid-liquid phase transition in high-pressure liquid phase of Sn <sub>14</sub>
2008G079	OBATA Yasuko Hoshi Univ.	Structural analysis of lipid lamellae in stratum corneum and application for the development of pharmaceutical/cosmetic formulations
2008G080	YASHIMA Masatomo Tokyo Inst. of Tech.	Crystal structure and electron density of R <sub>2</sub> Ti <sub>2</sub> SO <sub>5</sub> Photocatalysts (R: Rare earths)
2008G081	SHIMAO Daisuke Ibaraki Prefectural Univ. of Health Sci.	Development of Refraction-Enhanced Digital Tomosynthesis by X-ray Dark-Field Imaging
2008G082	SHIOYA Masatoshi Tokyo Inst. of Tech.	Study on Stress Response of Carbon Fiber Micro Structure for Achieving Ultimate Performance
2008G083	VOEGELI Wolfgang The Univ. of Tokyo	Structural investigation of the metal-insulator transition in gold atomic wires on stepped silicon surfaces
2008G084	YASHIMA Masatomo Tokyo Inst. of Tech.	In situ observation of the phase transitions in zirconia solid solutions
2008G085	SASAKI Kaori Kyushu Univ.	Structural basis of the recognition of a stalled replication forks by PriA
2008G086	KUZUYAMA Tomohisa The Univ. of Tokyo	Reaction mechanism of terpenoid-synthesizing enzymes
2008G087	AKASAKA Takeshi Univ. of Tsukuba	Studies on the Dynamic behavior of encapsulated metals in endohedral metallofullerenes
2008G088	NISHIKIORI Shin-ichi The Univ. of Tokyo	Analysis of the coordination structure in metal-complex gels formed with rigid ligands
2008G089	WANG Andrew H.-J Academia Sinica, Taiwan	Structural basis of drug resistance and virulence factors of the etiological micro-organisms <i>Staphylococcus aureus</i> and <i>Staphylococcus epidermidis</i>
2008G090	TSUJI Kazuhiko Keio Univ.	Pressure dependence of the structure of liquid of eutectic alloys including group 14 element
2008G091	KIMURA Yasuyuki Kyushu Univ.	Study on local structure of chiral twin liquid crystals under electric field
2008G092	SHIBUKAWA Masami Saitama Univ.	Ion-exchange reaction in superheated water: elucidation of thermal effect on ion-exchange selectivity based on variation of the structure of ion hydration shell
2008G093	KITAJIMA Yoshinori KEK-PF	Soft x-ray absorption spectroscopy on the Prussian blue analogs showing photo-induced phase transition
2008G094	SUZUKI Shinichi JAEA	The elucidation on actinide(VI) selectivity with branched N,N-dialkylamide by XAFS
2008G095	HIRAI Mitsuhiro Gunma Univ.	Study of initial process of amyloid formation of proteins under osmotic stress
2008G096	TOMITA Masanori CRIEPI	Analysis of a mediator of monochromatic synchrotron X-ray-induced bystander effect
2008G097	YOHDA Masafumi Tokyo Univ. of Agri. & Tech.	X-ray structure of <i>Thermococcus</i> sp. strain KS-1 prefolids
2008G098	ITO Atsushi Tokai Univ.	Improvement of spatial resolution in soft X-ray projection microscope and its application to biological specimens
2008G099	WAKABAYASHI Yusuke KEK-PF	Structural study of the metallic interface between two insulating perovskites
2008G100	HE Ke The Univ. of Tokyo	Engineering spin-splitting surface states with spin-polarized quantum well states

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2008G101	HATTA Shinichiro Kyoto Univ.	ARPES study of electronic structure of Bi thin film on Ge(111)
2008G102	SAKISAKA Yasuo Hiroasaki Univ.	Angle-resolved photoemission study of the 4s band structure and the high-energy valence-band satellites in Ni
2008G103	LEROY Stephanie LPS, France	Chemical signature determination for mediaeval armours diffusion studies
2008G104	KISHIMOTO Shunji KEK-PF	Development and investigation of a new scintillator with sub-nanosecond light decay
2008G105	KISHIMOTO Shunji KEK-PF	Development of an electric circuit system for a silicon avalanche-photodiode array detector
2008G106	OKUDA Koji Kyoto Univ.	Microstructural stability of light metal alloys under mechanical stresses in hydrogen and humid atmosphere
2008G107	ODAGIRI Takeshi Tokyo Inst. of Tech.	A symmetry-resolved spectroscopy for multiply excited molecules
2008G108	SHINODA Kozo Tohoku Univ.	Identification of Arsenic Biochemical Compound in Hyper-Accumulating Plant
2008G109	TAKAHASHI Hiroyuki The Univ. of Tokyo	Development of a signal processing system for a nano strip Gas Chamber (NSGC)
2008G110	NAKADA Masami JAEA	X-ray Absorption Spectroscopic Studies of Am Containing Compounds
2008G111	MATSUO Masaru Nara Woman's Univ.	Thermal Expansion of Polymer Chain Aggregation under Applied Electric Field
2008G112	MURAYAMA Kazutaka Tohoku Univ.	High resolution structural analyses for molecular recognition between Rho family GTPases and guanine nucleotide exchange factors
2008G113	HIRAI Masaaki Okayama Univ.	Electronic states of nonsymmetrical superconductors by using soft X-ray fluorescence spectroscopy
2008G114	TAKEDA Tohoru Univ. of Tsukuba	Detailed biomedical observation by phase-contrast imaging with x-ray interferometer
2008G115	SHIRAKAWA Masahiro Kyoto Univ.	Crystallographic study on epigenetic gene regulators related to DNA methylation
2008G116	KATAOKA Mikio NAIST	Molecular mechanism of selective binding of Ubiquitin/M6PR by domain rearrangements of GGA protein
2008G117	MAEZAWA Hiroshi The Univ. of Tokushima	Mechanisms of cell migration stimulated by bystander effect after irradiation of monochromatic x-ray microbeam
2008G118	KUMAGAI Izumi Tohoku Univ.	Structural basis for molecular recognition mechanism in various antibodies
2008G119	ISHIBASHI Hiroki Osaka Prefecture Univ.	Structural transition of spinel compound FeV <sub>2</sub> O <sub>4</sub> at low temperatures
2008G120	TAKEYA Satoshi AIST	Development of <i>in-situ</i> three dimensional imaging technique on crystals composed of water molecules under low-temperature conditions
2008G121	ASAKURA Daisuke KEK-PF	A soft x-ray magnetic circular dichroism study of half-metallic Heusler alloy thin films facing an MgO tunnel barrier
2008G122	NUMATA Tomoyuki AIST	Crystal structure analysis of RNA modification enzyme
2008G123	TERAMURA Kentaro Kyoto Univ.	XAFS measurement of Zn doped $\beta$ -Ga <sub>2</sub> O <sub>3</sub> photocatalyst
2008G124	UOSAKI Kohei Hokkaido Univ.	Surface X-ray Scattering Study of Structural Change of Substrate Surface Induced by Formation and Desorption of Self-assembled Monolayer (SAM)
2008G125	OKADA Tetsuji AIST	X-ray crystallographic study on the activation process of G protein-coupled receptor rhodopsin
2008G126	KANO Jun Univ. of Tsukuba	Origin of quantum effect in the ferroelectric nano-particles
2008G127	FUSHINOBU Shinya The Univ. of Tokyo	Crystallographic analysis of multi-component oxidoreductases from <i>Sulfolobus tokodaii</i>
2008G128	FUSHINOBU Shinya The Univ. of Tokyo	Crystallographic analysis of acetylxyylan esterase from <i>Aspergillus</i>
2008G129	ASAKURA Kiyotaka Hokkaido Univ.	Operando XAFS studies on Ni <sub>2</sub> P hydrodesulfurization catalyst
2008G130	ASAKURA Kiyotaka Hokkaido Univ.	Temperature dependence of Ag L-edge XANES of Ag halide
2008G131	YAMASAKI Kazuhiko AIST	Regulatory mechanism of molecular recognition by CUT-homeodomain transcription factors
2008G132	KAWASAKI Masato KEK-PF	Crystallographic study of exocytotic small GTPase Rab27 bound to the exophilin family effectors
2008G133	FRIEDLEIN Rainer JAIST	Electronic structure of the superconducting stage-1 Ca graphite intercalation compound
2008G134	SATO Takao Tokyo Inst. of Tech.	Structural analysis for the design of the ability of the Racemase homologues from gram positive bacteria to catalysts for the racemization reactions of N-actyl-D-tryptophan
2008G135	KAWABATA Youhei Tokyo Metropolitan Univ.	Structural formation process of hydrated solid gel structure in a surfactant solution
2008G136	TANOKURA Masaru The Univ. of Tokyo	Crystal structure of novel restriction endonuclease PabI complex with target DNA

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2008G137	TANOKURA Masaru The Univ. of Tokyo	Structure determination of novel single strand specific DNA exonuclease from hyperthermophilic archaea <i>Pyrococcus horikoshii</i> OT3
2008G138	TANOKURA Masaru The Univ. of Tokyo	Crystal structure analysis of LinA from <i>Sphingomonas paucimobilis</i> UT26 and its complex with inhibitor
2008G139	NAGATA Koji The Univ. of Tokyo	X-ray Crystallography of oxidative fermentation family
2008G140	SUTO Kyoko AIST	Crystal structure of human deaminase
2008G141	NOGUCHI Shuji The Univ. of Tokyo	X-ray crystallography of human heat-shock protein, Hsp40
2008G142	SAKAI Yasuhiro The Toho Univ.	Photo-Dissociative Ionization Dynamics of Simple Molecules in the Inner Valence and Core-Excited Region
2008G143	OKADA Tetsuo Tokyo Inst. of Tech.	Hydration structure analyses of ions within the quasi-liquid Layer on ice
2008G144	YAMAGATA Atsushi The Univ. of Tokyo	Structural analysis for yeast Asna-1 ATPase
2008G145	KADONO Kohei Kyoto Inst. of Tech.	Local structure of 3d metal ions doped in sulfide glasses
2008G146	NAKAJIMA Yoshitaka Nagasaki Univ.	Substrate recognition of aminopeptidase N exhibiting a broad specificity
2008G147	SAKANE Hideto Univ. of Yamanashi	Structure Analysis of Wilkinson Complex by EXAFS
2008G148	TAKENO Hiroyuki Gunma Univ.	Self-assembling process of blends of organogels and polymers studied by time-resolved X-ray measurements
2008G149	MIKI Kunio Kyoto Univ.	X-ray Structure Determination of Enzymes Involved in the New Carbon Dioxide Fixation System
2008G150	DOMEN Kazunari The Univ. of Tokyo	XAFS analysis of nanosized core-shell composite cocatalysts highly active for over all water splitting
2008G151	TOKORO Chiharu Waseda Univ.	EXAFS analysis of arsenic co-precipitation with dilute ferric hydroxide or ferric sulfide in wastewater
2008G152	TAKAHASHI Toshio The Univ. of Tokyo	Structural study of epitaxially grown iron silicides on Si(111)
2008G153	Allen MILLS UCR, U.S.A	Exploring functional mesoporous silica using positronium time of flight spectroscopy
2008G154	TADA Mizuki The Univ. of Tokyo	XAFS Study on Unsaturated Ru-diamine Complexes at Surfaces Produced by UV Irradiation
2008G155	SUMII Ryohei KEK-PF	Study of electron structure by halogen bonding
2008G156	SHIMOYAMA Iwao JAEA	Study of hydrogenation and dehydrogenation of graphene and hexagonal boron nitride monolayer films
2008G157	SAKAMOTO Kazuyuki Chiba Univ.	Giant spin splitted surface bands of Bi/ and Pb/Si(111)- $\alpha(\sqrt{3}\times\sqrt{3})$
2008G158	HIBI Takao Fukui Prefectural Univ.	X-ray crystallography on novel enzymes for glutathione synthesis
2008G159	MIYANAGA Takafumi Hirosaki Univ.	Quick XAFS Study on the mechanism of photo luminescence in Ag -Zeolites
2008G160	KATO Ryuichi KEK-PF	Evaluation of X-ray diffraction ability of fluoro-labeled protein crystal
2008G161	KATO Ryuichi KEK-PF	Crystallographic study of human neuraminidase Neu2
2008G162	KATO Ryuichi KEK-PF	Structural insights into <i>Miranda</i> protein. Implication for the asymmetric cell division in <i>Drosophila</i>
2008G163	WAKATSUKI Soichi KEK-PF	Structural analysis of Rab5 small GTPases
2008G164	ITO Sohei Univ. of Shizuoka	Structural studies of terpene synthase
2008G165	EINAGA Yasuaki Keio Univ.	Mechanism elucidation of the ferromagnetism and photo-magnetic effects appearing at interfaces between gold nanoparticles and photochromic ligands
2008G166	AMEMIYA Yoshiyuki The Univ. of Tokyo	Structural analysis of polymeric micelle including anti-cancer drug during drug release process
2008G167	IZUMI Yasuo Chiba Univ.	Structural and Electronic State Analyses of Platinum Nanoparticles for Fuel Cell Prepared by Replica Method
2008G168	ITO Nobutoshi Tokyo Medical & Dental Univ.	Structural studies on kinases related to Down syndrome and Alzheimer's disease and their inhibitors
2008G169	ITO Nobutoshi Tokyo Medical & Dental Univ.	Structure-based analysis of the interaction between the vitamin D receptor and its antagonistic ligands
2008G170	MORIMOTO Tatsuki Tokyo Inst. of Tech.	Structural and Functional Changes of Rhenium(I) Complexes by Supramolecular Interaction
2008G171	AMEMIYA Kenta KEK-PF	Depth-resolved EXAFS study on structural changes in Fe/Cu(100) magnetic thin films induced by CO adsorption
2008G172	AMEMIYA Kenta KEK-PF	Depth-resolved XMCD and EXAFS study on effects of Mo coverage on Co/Au magnetic thin films



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2008G173	SUZUKI Yoshifumi Kyushu Inst. of Tech.	Meso-porous Silica structure analysis by Grazing Incidence Small Angle X-ray Scattering
2008G174	SUZUKI Yoshifumi Kyushu Inst. of Tech.	Measurements of Interferometer ratio for X-ray Interferometer System
2008G175	KAKIZAKI Akito The Univ. of Tokyo	Study of thin Co <sub>2</sub> MnSi Full-Heusler alloy films with Highly Spin-polarized
2008G176	FUKAI Shuya The Univ. of Tokyo	Crystallography of the muscular dystrophy related selenoprotein, SePN
2008G177	KATSUTA Nagayoshi Nagoya Univ.	Variations in chemical state of Fe and Mn recorded in Lake Baikal sediments using XAFS
2008G178	YONENAGA Ichiro Tohoku Univ.	XAFS study of defect-impurity complexes in Si and Ge crystals
2008G179	ICHIYANAGI Yuko Yokohama Natl. Univ.	Analysis of the site distribution of atoms in ferrite nanoparticles with spinel structure
2008G180	KOIZUMI Naoto Tohoku Univ.	Process of C-C bond formation on sulfide nanocluster by operant XAFS measurements
2008G181	MURAKAMI Youichi KEK-PF	The Study of Charge Ordering in $\alpha$ -(BETS) <sub>2</sub> I <sub>3</sub> by Resonant X-ray Scattering
2008G182	TAKAHASHI Takashi Tohoku Univ.	Angle-resolved photoemission study of Fermi surface in low-dimensional layered compounds
2008G183	HASEGAWA Masashi Nagoya Univ.	Crystal structure and synthesis procedure of noble metal nitrides in high pressure and temperature
2008G184	OHKUBO Tadayasu Osaka Univ.	Crystal Structure Determination of Human Condensin Hinge Domain
2008G185	SAIJO Kenji Kyoto Univ.	Study on amorphous polymer chains by using thermal diffuse small angle X-ray scattering
2008G186	OHONO Shinya Yokohama Natl. Univ.	Photoemission study of nanostructures of refractory metals on semiconductor surfaces
2008G187	NORO Atsushi Nagoya Univ.	Morphological Observation of Supramacromolecules in an Ionic Liquid
2008G188	IWASAWA Yasuhiro The Univ. of Tokyo	Time-resolved DXAFS study on oxygen storage/release processes of CeZr solid solution crystals
2008G189	CHEN Chunying IHEP, China	Behaviour and Translocation of Metallic Nanoparticles in vivo using synchrotron techniques
2008G190	ITO Masahisa Gunma Univ.	Observation of 3D map of magnetic moment density distribution of hard magnetic material by using X-ray magnetic diffraction
2008G191	YOSHIOKA Satoru Kyushu Univ.	Structural analysis of polymer gel adsorbed heavy metal ion
2008G192	KONDOH Hiroshi The Univ. of Tokyo	Improvement of the ambient-pressure NEXAFS technique and its application to surface processes
2008G193	HATTORI Yoshiyuki Shinshu Univ.	Studies on structural properties of polymer/nano-palladium composites
2008G194	KONISHI Takehisa Chiba Univ.	Interference effect of plasmon loss processes in core-level photoemission from simple metals
2008G195	SHIBATA Hajime AIST	XAFS study on impurity sites doped in ZnO
2008G196	MAENAKA Katsumi Kyushu Univ.	Structural basis for recognition of measles virus hemagglutinin to its cognate receptors
2008G197	TANAKA Kiyoaki Nagoya Inst. of Tech.	Measurement of electron density distribution in inorganic electride Ca <sub>24</sub> Al <sub>28</sub> O <sub>64</sub>
2008G198	TAKENO Hiroyuki Gunma Univ.	Self-assembled structures of polymer solutions containing nanoparticles induced by vaporization of volatile solvents
2008G199	KONISHI Takehisa Chiba Univ.	Electronic states around Fermi level and Valence band structure of Al-doped ZnO
2008G200	KUBOTA Takeshi Shimane Univ.	Investigation of structure change of active sites during preparation highly active Co-Mo HDS catalysts by post treatment
2008G201	UENO Satoru Hiroshima Univ.	Synchrotron radiation X-ray diffraction study for crystallization process of oil phase in oil-in-water emulsion
2008G202	UENO Satoru Hiroshima Univ.	In-situ observation of crystallization processes of chocolate under shear-tempering conditions
2008G203	SUMII Ryohei KEK-PF	Study of molecular crystal structure by halogen bonding
2008G204	HUANG Zechun CRAES	Microscale investigation of arsenic distribution and species transformation in As contaminated soils
2008G205	LIU Yingfang CAS, China	Structural and functional study of PLAA family protein in ubiquitin modification processes
2008G206	LEI Mei CAS, China	Cellular distribution of arsenic chemical state in As-hyperaccumulators
2008G207	MARSHALL Aaron Massey Univ. NEW ZEALAND	Uptake and Chemical speciation of silver in Brassica juncea: Elucidating the mechanism of in-vivo silver nanoparticle formation.
2008G501	KOIZUMI Haruhiko Tohoku Univ.	Identification of crystal in LiNbO <sub>3</sub> crystals induced by the ion segregation

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2008G502	NAGANO Masamitsu Saga Univ.	Preparation of oriented BCN thin films by plasma enhanced chemical vapor deposition and analysis of chemical bonds
2008G503	DOYAMA Masao Teikyo Univ. of Sci. & Tech.	Positron Image
2008G504	HAYASHI Ken-ichiro Univ. of Tsukuba	Fluid boiling at magmatic hydrothermal system and its relation to ore formation
2008G505	OSAWA Takahito JAEA	XPS and XAFS analysis of noble gases implanted into solid materials by adsorption and ion irradiation
2008G506	TOMITA Kozo AIST	Molecular basis for RNA synthesis by the complex of RNA polymerase and translational factors
2008G507	ARII Yasuhiro Aoyama Gakuin Univ.	Crystal structure of nucleotide-bound zymogen granule associated protein
2008G508	KUMIGASHIRA Hiroshi The Univ. of Tokyo	<i>In-situ</i> angle-resolved photoemission study of the Fermi surface of low dimensional electronic states formed at oxide heterointerfaces
2008G509	IKEMOTO Hiroyuki Toyama Univ.	Atomic correlation of bismuth nanoparticles In situ, sample preparation and EXAFS measurements-
2008G510	YOSHIDA Hisao Nagoya Univ.	XAFS study of dopants in gallium oxide photocatalysts
2008G511	ARAI Ryoichi Shinshu Univ.	Structural analysis of cell wall-lytic enzymes, cell separation inhibitor, and their complex from <i>Bacillus subtilis</i>
2008G512	ARAI Ryoichi Shinshu Univ.	Structural analysis of <i>de novo</i> proteins
2008G513	BRUSA Roberto Trento Univ., ITALY	Positronium cooling in ordered and disordered open porosities
2008G514	OYANAGI Hiroyuki AIST	In-situ X-ray absorption spectroscopy study of nanoclusters using a microreactor
2008G515	SHIBATA Naoki Univ. of Hyogo	Structural studies of a radical enzyme ethanolamine ammonia-lyase
2008G516	OHWADA Kenji JAEA	Determination of the charge-ordering patterns in the vanadium bronze $\beta$ -A <sub>1/3</sub> V <sub>2</sub> O <sub>5</sub> (A=Li, Na, Sr, Ca)
2008G517	KIKKAWA Shinichi Hokkaido Univ.	Local structures of cubic EuTa(O,N) <sub>3</sub> oxynitride substituents
2008G518	KURIBAYASHI Takahiro Tohoku Univ.	Estimation of hydrogen position in the crystal structure of minerals under high-pressure conditions using single crystal MEM method
2008G519	MIYAHARA Tsuneaki Tokyo Metropolitan Univ.	MCD Study on electronic states of rare earth atoms in a cage-like structure
2008G520	KUBOTA KENJI Gunma Univ.	Functional analyses of compounds which stabilize proteins
2008G521	HAYASHI Yoshihiko Nagasaki Univ.	Quantitative Elemental Analyses of Zinc in Biomeneralization of Cultured Osteoblasts
2008G522	HATTORI Takeshi Tokyo Univ. of Sci.	Observation of Electron Correlation Energy and Crystal-Field Splitting of Strongly Correlated Electron System Oxide by Soft-X-ray Raman Scattering
2008G523	OKAMOTO Atsushi Tohoku Univ.	Investigation of geochemical behaviors of arsenic in soil and stream sediment
2008G524	TAMADA Taro JAEA	Ultra-high resolution crystallography of target proteins for drug discovery
2008G525	YAMAMOTO Katsuhiko Nagoya Inst. of Tech.	Analysis of Phase Separated Nanostructure Formation in Hydrogel Induced by Polymerization of Acrylamide Derivatives and Poly(dimethyl siloxane) Di-acrylate Monomers
2008G526	AKITSU Takahiro Tokyo Univ. of Sci.	Separated observation of Jahn-Teller and lattice distortion in thermal structural changes of copper(II) complexes
2008G527	Victor STRELTSOV CSIRO, Australia	Structural studies of beta-amyloid in Alzheimer's disease
2008G528	AKITSU Takahiro Tokyo Univ. of Sci.	Characterizations of Core Level Electronic Structure and Interaction of Ln-M Cyano DMF Complex by Soft-X-ray Spectroscopy
2008G529	ITO Kenji KEK-PF	Study on multiple photoionization of atoms and molecules using a magnetic bottle electron spectrometer
2008G530	YASUI Kinya Hiroshima Univ.	Internal structures of microfossils implicating their reproduction system from Lowest Cambrian sediments in China
2008G531	HUANG Zechun CRAES, China	Microscale investigation of arsenic distribution and species transformation in As contaminated soils
2008G532	HIRAO Norie JAEA	Focusing test of soft X-rays using poly-capillary lens for the purpose of quick PEEM measurements
2008G533	TANG Jie NIMS	Synchrotron Diffraction Study of Single Nano-structure under Pressure
2008G534	TAKEMURA Kenichi NIMS	Evaluation of the hydrostaticity of a sodium-pressure medium
2008G535	EBA Hiromi Musashi Inst. of Tech.	State and structural analysis of SOFC components to determine the deterioration mechanism
2008G536	ITO Atsushi Tokai Univ.	Chemical mapping in sulfur or calcium containing biological specimens with X-ray contact microscopy
2008G537	FUJISAWA Kiyoshi Univ. of Tsukuba	Elucidation on Electronic Structures of Transition Metal(II) disulfido Complexes by Sulfur K-edge Spectroscopy

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2008G538	CHAI Jijie NIBS, China	Crystal structure of PRC2 complex
2008G539	MATSUBA Go Kyoto Univ.	Crystallization Process of Polymers with Strong Interactions
2008G540	MATSUBA Go Kyoto Univ.	Precursors of Polymer Crystal in Shear Flow
2008G541	STRELTSOV Victor CSIRO, Australia	Structural studies of influenza virus resistance to drugs targeting the virus's neuraminidase
2008G542	KUTSUMIZU Shoichi Gifu Univ.	Time-Resolved X-ray Diffraction Study of Cubic-Cubic Transition Kinetics
2008G543	KAMITORI Sigehiro Kagawa Univ.	X-ray structures of complexes between multi-branched oligosaccharides and sugar binding proteins
2008G544	MIZUNO Kaoru Shimane Univ.	Determination of concentration distribution of hydride in titanium by means of X-ray refraction contrast imaging method
2008G545	FUKAMACHI Tomoe Saitama Inst. of Tech.	Study of X-ray interference microscopy due to anomalously large dispersion angle of refracted X-ray
2008G546	KAWAMOTO Tadashi Tokyo Inst. of Tech.	Structural properties of organic superconductors with disordered anions
2008G547	KUBOTA Tomomi AIST	Structure and Function of human glycosyltransferase, $\beta$ -3GalNAcT2
2008G548	TOKIWA Kazuyasu Tokyo Univ. of Sci.	Electronic structure of $\text{Ba}_2\text{Ca}_4\text{Cu}_5\text{O}_{10}(\text{O},\text{F})_2$ studied by soft-x-ray absorption and emission spectroscopy
2008G549	ZHANG Changjin AIST	XAFS studies of the local lattice structure in F doped LaOFeAs superconductor
2008G550	IWAMOTO Masakazu Tokyo Inst. of Tech.	Analysis of the state of metal ions exchanged in mesoporous silica materials exhibiting anomalous catalysis
2008G551	LIANG Dong-Cai CAS, China	X-ray structural studies of proteins and protein complexes in the two-component signal transduction (TCS) system and the DNA double-strand break (DSB) recombination repair system
2008G552	HINO Kazuyuki Aichi Univ. of Ed.	<i>In-situ</i> structural investigation of gold nanorod during rod formation
2008G553	NISHIKAWA Keiko Chiba Univ.	Structural studies on Entrainer Effects of Supercritical Fluids
2008G554	IRIE Hiroshi The Univ. of Tokyo	Mechanism for the Generation of Highly-Hydrophilic $\text{TiO}_2$ Surfaces
2008G555	SUN Fei CAS, China	Crystallographic studies on ACAP1 BAR-PH and GAP-ANK domains
2008G556	SUN Fei CAS, China	Crystallographic study of the bacterial prolipoprotein posttranslational lipid modification system — crystal structure of membrane protein, Apolipoprotein N-Acyl Transferase
2008G557	AKIMOTO Koichi Nagoya Univ.	Interface stress between insulators and semiconductors
2008G558	TOMISHIGE Keiichi Univ. of Tsukuba	EXAFS analysis for structure of active site for partial oxidation of methane
2008G559	UCHIMOTO Yoshiharu Kyoto Univ.	in situ Electrochemical XAFS Study of Oxide Cathodes for PEFCs
2008G560	KYOMEN Toru Gunma Univ.	Observation of magnetic-field effects on twin structure of a $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$ single crystal
2008G561	OKUDA Taichi The Univ. of Tokyo	Study of surface electronic structure of surface alloy of Bi and noble metals
2008G562	NAKAGAWA Takashi Tokyo Inst. of Tech.	Local structural analysis of Pd/M binary nanoparticle catalysts for direct formic acid fuel cells by XAFS
2008G563	NAKAGAWA Takashi Tokyo Inst. of Tech.	Local structural analysis of PtCu binary nano-catalysts for CO oxidation by XAFS
2008G564	KATO Kouichi IMS	Crystallographic analysis of intracellular lectins involved in the quality control system of the glycoproteins
2008G565	SAKAKIBARA Yuzuru Univ. of Tsukuba	Basic research for clinical application of synchrotron radiation micro-angiography
2008G566	MATSUSHITA Shonosuke Univ. of Tsukuba	Development of synchrotron radiation micro-angiography using diluted contrast material
2008G567	SAKURAI Kenji NIMS	Integration of X-ray diffraction and X-ray absorption fine structure imaging techniques
2008G568	NAKAO Akiko KEK-PF	Structural analysis of epitaxial thin film of manganites
2008G569	HAYASHI Koichi Tohoku Univ.	Real time observation of X-ray waveguide phenomenon during film growth
2008G570	ONOKI Takamasa Osaka Prefecture Univ.	Study of structures of mesoporous bulks with Fe and Ni
2008G571	NUMAKO Chiya The Univ. of Tokushima	XAFS analysis for Ca in biominerals and synthetic apatites from biomimetic process
2008G572	ZHANG Xiaowei KEK-PF	Study of flatness using silicon crystal with x-ray and autocollimators
2008G573	HARUYAMA Osami Tokyo Univ. of Sci.	Study on structural change during thermally induced chemical short range ordering in a bulk $\text{Pd}_{40}\text{Ni}_{40}\text{P}_{20}$ glass



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2008G574	SHAO Feng NIBS, China	Structural studies of interactions between the bacterial pathogenic effector proteins and their host cell targets
2008G575	YAMAMOTO Hiroyuki JAEA	Non-destructive depth profiling for the surface of iron silicide thin films and single crystals by excitation energy tunable XPS
2008G576	TABUCHI Masao Nagoya Univ.	Improvement of interface structures of compound semiconductors for high performance devices
2008G577	SATO Tsutomu Hokkaido Univ.	XAFS analyses for As, Cr, I and S speciations adsorbed on / in clay minerals
2008G578	NAKAMURA Junji Univ. of Tsukuba	Measurement of the lattice constant of Pt nano-cluster deposited on the highly oriented pyrolytic graphite surface
2008G579	HATA Yasuo Kyoto Univ.	Crystallographic Analyses of Structure and Function of Enzymes Involved In Catabolic Pathway of Resorcynol
2008G580	NAKAHIRA Atsushi Osaka Prefecture Univ.	Investigation of structure of Nanotubular Titania containing with metal nanoclusters
2008G581	FUJIMOTO Zui Natl. Inst. of Agrobiol. Sci.	Crystallographic study of the ligand complex of Juvenile hormone binding protein from <i>Bombyx mori</i>
2008G582	KONISHI Takehisa Chiba Univ.	EXAFS analyses of human copper binding proteins COMMD6 and COMMD7
2008G583	ENDO Osamu Tokyo Univ. of Agri. & Tech.	Ag L-XAFS study on unoccupied states of electrodeposited silver thin films on a Au(111) electrode - reaction with Cl
2008G584	YOSHIASA Akira Kumamoto Univ.	Detailed crystal structure and anharmonic thermal vibration in $\text{CaIrO}_3$
2008G585	MANIWA Yutaka Tokyo Metropolitan Univ.	Structural studies of second stage carbon nanotubes
2008G586	YOSHIKAWA Hirofumi Nagoya Univ.	Electronic states and structures of cathode active materials in molecular cluster batteries
2008G587	YOKOYAMA Hideshi Shizuoka Univ.	Structural study for the neutrophil-activating protein from <i>Helicobacter pylori</i>
2008G588	AKIMOTO Koichi Nagoya Univ.	Thin line-shape X-ray beams for cross-sectional observation of superlattice
2008G589	FUJIHASHI Masahiro Kyoto Univ.	Structural study on enzymes related to elongation and modification of prenyl chain
2008G590	KATO Hideki Tokyo Inst. of Tech.	XAFS analysis of RhSb-doped $\text{SrTiO}_3$ possessing tunable photocatalytic property
2008G591	SENDA Toshiya AIST	Crystal structure analysis of the histone-chaperone-CIA bromodomain acetylated-histone-tail complex
2008G592	SONG Hyun Kyu Korea Univ. Korea	Structural studies of the proteins involved in plant defense mechanism
2008G593	KAKUTA Yoshimitsu Kyushu Univ.	X-ray crystallographic analysis of ribonuclease P
2008G594	KOHMURA Takayoshi Kogakuin Univ.	Development of the evaluation method for the protection against EUV for X-ray CCD
2008G595	HORIBA Koji The Univ. of Tokyo	Complete Fermi Surface Mapping of three-dimensional strongly-correlated oxides studied by <i>in situ</i> angle-resolved photoemission spectroscopy
2008G596	MATSUSHIMA Yuta Tokyo Univ. of Agri. & Tech.	Crystallographic study on effect of dopants in doped $\text{BaTiO}_3$
2008G597	IWASE Akihiro Osaka Prefecture Univ.	Study on swift heavy ion irradiation effects in nuclear fuel $\text{UO}_2$ by using synchrotron radiation X-ray absorption spectroscopy
2008G598	TAKAHASHI Hiroki Nihon Univ.	High-pressure study on crystal structure of an Fe-based superconductor
2008G599	MORIMOTO Yukio Kyoto Univ.	X-Ray Crystal Structure Analysis of the De-ubiquitination Enzyme UCH37
2008G600	TAKEDA Takashi NIMS	Mixed valence and local structure of Eu sialon phosphor
2008G601	YABUTANI Tomoki The Univ. of Tokushima	Characterization of Heavy Metals in Airborne Particulate Matter by Synchrotron X-ray Fluorescence and X-ray absorption fine structure
2008G602	HIBI Takao Fukui Prefectural Univ.	X-ray crystallography of N-acetyltransferase from yeast
2008G603	TAKAKUSAGI Satoru Hokkaido Univ.	Preparation of Precicely Size-controlled Metal Nanoclusters on Oxide Single Crystal Surface with Wet Chemical Methods
2008G604	ASAKURA Kiyotaka Hokkaido Univ.	XAFS studies on Noble metal Te nanocluster formation mechanism
2008G605	FUJITA Koji Kyoto Univ.	Analysis of fine structure around Ti in Fe-Ti-O systems
2008G606	NAKAI Ikuo Tottori Univ.	Local structure of diluted magnetic semiconductor synthesized by milling
2008G607	NAKAI Ikuo Tottori Univ.	Relation between local structure and magneto-volume effect of metallic compound $\text{YMn}_2$
2008G608	KAKIMOTO Ken-ichi Nagoya Inst. of Tech.	Local Structure Analysis for Development of Lead-Free Alkali Niobate Piezoelectrics
2008G609	MARUYAMA Tadashi JAMSTEC	3dimensinal high resolution anatomical analysis of deep-sea animals

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2008G610	MORI Shigetaru NIID	Crystal structure of the protein involved in mycobacterial mycolic acid biosynthesis
2008G611	NUMAKO Chiya The Univ. of Tokushima	XAFS analysis for Ca in biominerals and synthetic apatites from biomimetic process
2008G612	NUMAKO Chiya The Univ. of Tokushima	XAFS Studies for Pt and Ag nano-clusters in microemulsions
2008G613	SU Xiao-Dong Peking Univ., China	Structural and functional studies on NagB and GlmS
2008G614	NAKANO Satoshi NIMS	High-pressure/high-temperature phase relationship on borohydrides and related compounds
2008G615	KOMABA Shinichi Tokyo Univ. of Sci.	XAFS analyses of Cr-Mn based oxides for non -aqueous secondary battery materials
2008G616	KURODA Yasushige Okayama Univ.	Preparation and Structural Analysis of New Compounds of O <sub>2</sub> and Xe with Metal-ions Exchanged in Zeolites
2008G617	NASU Toshio Yamagata Univ.	Relationship between local structure and glass-forming ability in bulk glassy alloys
2008G618	YAMAGATA Yuriko Kumamoto Univ.	Structural and functional insight into a C-terminal domain of a human single-pass transmembrane protein with unknown function
2008G619	YOHDA Masafumi Tokyo Univ. of Agri. & Tech.	Crystal structural analysis of prefoldin-mediated reaction cycle of hyperthermophilic group II chaperonin
2008G620	MIZUNO Kaoru Shimane Univ.	Investigation of plane defects in ZnTe thin film by grazing incident X-ray topography
2008G621	IDEMOTO Yasushi Tokyo Univ. of Sci.	Ordering Structure of Transition Metal in Layered Oxides as a Cathode Material for Li Secondary Battery
2008G622	IDEMOTO Yasushi Tokyo Univ. of Sci.	XAFS Study on Local Structure of Bi-Layered Oxide Ferroelectrics
2008G623	UENO Satoru Hiroshima Univ.	Clarifying polymorphism, distribution and orientation of fats in whipped cream
2008G624	KOBAYASHI Katsumi KEK-PF	Research on hypersensitivity in low dose region using synchrotron X-ray microbeam
2008G625	OHATA Masaki AIST	Quantitative XAFS analysis of hexavalent chromium in ABS resin certified reference materials for heavy metal analysis
2008G626	NAKAJIMA Nobuo Hiroshima Univ.	Resonant X-ray emission spectroscopic study on the local structure of perovskite titanates under applied electric field
2008G627	ONO Kanata KEK-PF	Spectro-microscopic imaging of nano-materials using soft x-ray Fourier transform holography
2008G628	NAKATSUKA Akihiko Yamaguchi Univ.	Study on atomic displacements of Mg <sub>3</sub> Al <sub>2</sub> Si <sub>3</sub> O <sub>12</sub> garnet
2008G629	MIYANAGA Takafumi Hirosaki Univ.	Study of Rattling mechanism for filled-skutterudites by EXAFS thermal factor analysis
2008G630	ISHII Hiroyoshi Tokyo Metropolitan Univ.	Photoemission Spectroscopy of Metallofullerene Peapods and Metallic Carbon Nanotubes
2008G631	HOKURA Akiko Tokyo Univ. of Sci.	Study on accumulation mechanism of cadmium in hyper-accumulator fern, <i>Athyrium yokoscense</i> , by XAFS and XRF imaging analyses
2008G632	YOSHINOBU Jun The Univ. of Tokyo	Charge transfer and doping by the deposition of donor molecules on chemically modified Si surfaces
2008G633	NAKBANPOTE Woranan Mahasarakham Univ., Thailand	Study on the mechanism of zinc and chromium accumulation in <i>Gynura pseudochina</i> (L) DC., by SR-XRF imaging and XANES analyses
2008G634	SAWAGUCHI Takashi Nihon Univ.	Thermal Stability of Morphology of Polymer Blends Prepared in Supercritical Carbon Dioxide
2008G635	YAMAMOTO Akiji NIMS	Short-range order diffuse scattering analysis of quasicrystals by 2-dimensional detector data
2008G636	KOHONO Atsushi Fukuoka Univ.	Chemical bonding state of supersaturated S in Si
2008G637	YOSHIOKA Satoru Kyushu Univ.	Local structure analysis of Ga <sub>2</sub> O <sub>3</sub> polymorphs by XAFS
2008G638	ICHIKUNI Nobuyuki Chiba Univ.	Design and the characterization of high-performance nanocluster catalyst
2008G639	KITAJIMA Masashi Tokyo Inst. of Tech.	Development of Cold Collision Electron Spectroscopy utilizing threshold photoelectrons
2008G640	ODAKA Masafumi Tokyo Univ. of Agri. & Tech.	Crystal structural analysis of reaction mechanism of nitrile hydratase family proteins
2008G641	KUBO Tomoaki Kyushu Univ.	Time-resolved 2DXRD measurements of the olivine-spinel transformation kinetics
2008G642	NAKAGAWA Atushi Osaka Univ.	Method development of ultra-high resolution X-ray crystallography using Taka-amylase A
2008G643	SUZUKI Shinya The Univ. of Tokyo	Structural distortion, physical properties and functionalities of the perovskite-type oxides obtained by nanosheets process
2008G644	EINAGA Hisahiro Kyushu Univ.	XAFS studies on deposition process of Mn-containing perovskite on catalyst supports
2008G645	NAKAMOTO Yuki Osaka Univ.	Crystal structure and Ferroelectricity of hydrogen-bond ferroelectrics under high pressure

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2008G646	ONO Kanata KEK-PF	Local electronic structure of transition metal oxide nanosheets
2008G647	KOBAYASHI Katsumi KEK-PF	Survey of practical sensitizers containing heavy elements for radiotherapy of cancer
2008G648	WATANABE Norio Univ. of Tsukuba	3D phase imaging of biological specimens by using an x-ray phase microscope with a zone plate
2008G649	NUKAGA Michiyoshi Josai Itn. Univ.	Ultrahigh Resolution Structure of Ser $\beta$ -lactamases
2008G650	ABE Hitoshi Keio Univ.	Magnetism of one dimensional magnetic atomic chains fabricated on vicinal surfaces of single crystals
2008G651	ABE Hitoshi Keio Univ.	Effects of NO adsorption on the magnetism and structure of Fe/Cu(001) thin films
2008G652	KATO Satoru Kwansei Gakuin Univ.	Dependence of lipid bilayer structures on cholesterol concentration using cyclodextrin
2008G653	KITA Akiko Kyoto Univ.	X-ray structure analysis of lencins from marine animals
2008G654	AMEMIYA Kenta KEK-PF	Observation of spin transition process in Ni/Fe/Cu(100) magnetic thin films by three-dimensional XMCD
2008G655	AMEMIYA Kenta KEK-PF	Verification of height and site selective chemical bond scission by use of soft x-ray standing wave
2008G656	HAMAGUCHI Tomohiko Fukuoka Univ.	XAFS Analysis of Electrochemically-induced Linkage Isomerization of Ruthenium Complexes
2008G657	NAKAMOTO Yuki Osaka Univ.	Crystal structure of ferroelectrics under high pressure using single crystal diffraction study
2008G658	MIKOUCHI Takashi The Univ. of Tokyo	XANES measurement of V valence states of spinel and basaltic glass in meteorite samples
2008G659	MIKOUCHI Takashi The Univ. of Tokyo	Crystallinity estimate of Fe-Ni sulfides in shocked meteorites by micro-area X-ray diffraction
2008G660	ODAGIRI Takeshi Tokyo Inst. of Tech.	Angular correlation of a photon pair generated from doubly excited molecular hydrogen
2008G661	USUKI Takeshi Yamagata Univ.	Relationship between ionic conduction and disordered structure in glassy ionic conductors
2008G662	KUSABA Keiji Tohoku Univ.	Ferroelastic phase transition in rutile-type fluorides under high pressure and high temperature
2008G663	NAKATSUJI Kan The Univ. of Tokyo	Electronic structure of Au nanowires on a Ge(001) surface
2008G664	OKANO Tatsuo The Univ. of Tokyo	Time-domain analysis of nuclear resonant x-ray scattering and its application to the hydrogen induced diffusion process in sub-surface region
2008G665	FUKAMIZO Tamo Kinki Univ.	Elucidation of catalytic mechanism of Family GH-19 chitinase from barley seeds by X-ray crystallography
2008G666	NAGATA Koji The Univ. of Tokyo	Crystal structure analysis of the pheromone-receptor complex, FsrC-GBAP, from <i>Enterococcus faecalis</i>
2008G667	TANAKA Ichiro Ibaraki Univ.	The new phase of X-ray diffuse scattering from lattice defects in protein single crystals
2008G668	KONDOH Hiroshi Keio Univ.	Study on charge transfer time scale between organic molecules and electrodes by core-hole clock spectroscopy
2008G669	YAGI Takehiko The Univ. of Tokyo	Synthesis of C-N compounds under very high pressures and temperatures
2008G670	RAO Zihe Tsinghua Univ. CHINA	Structural insights into viral replication by avian influenza and SARS coronavirus proteins
2008G672	AMEZAWA Koji Tohoku Univ.	Investigation on nano-ionics phenomena in Pt-dispersed proton-conducting oxides
2008G673	ENTA Yoshiharu Hirosaki Univ.	Core-level shift derived from a strain layer in SiO <sub>2</sub> /Si
2008G674	IWAZUMI Toshiaki Osaka Prefecture Univ.	Development of Polarization Analysis of Resonant X-ray Emission Spectra 2
2008G675	EMURA Shuichi Osaka Univ.	Ferromagnetism in competition with quantum effect in GaN quantum disk doped by ferromagnetic elements
2008G676	MATSUJURA Haruaki CEMHTI, CNRS	XAFS on molten halide mixtures containing less amount of elements targeted
2008G677	KONDO Tadashi Osaka Univ.	Abundance and existence form of hydrogen in the Earth's core
2008G678	KOBAYASHI Masaki The Univ. of Tokyo	Study on the electronic structure of platinum and non-platinum alloys as cathode-catalysts for Polymer Electrolyte Fuel Cells
2008G679	SASAKI Takehiko The Univ. of Tokyo	Structural analysis for shape-and size-controlled transition metal oxide nanocrystals by EXAFS
2008G680	OGATA Hironori Hosei Univ.	Morphology and crystal structure of fullerene-derivative crystals by liquid-liquid interfacial precipitation method
2008G681	NOJIRI Hideaki The Univ. of Tokyo	Crystallographic study of the unique electron transfer system in carbazole 1,9a-dioxygenase from <i>Sphingomonas sp.</i> KA1
2008G682	TEZUKA Yasuhisa Hirosaki Univ.	Resonant X-ray Raman Scattering Study for Electronic Structure of Ferroelectrics BaTiO <sub>3</sub> and its Phase Transition

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2008G683	TAKAHASI Yoshio Hiroshima Univ.	Characterization of BPI glass by XAFS for the efficient fixation of radioiodine
2008G684	KIHARA Hiroshi Kansai Medical Univ.	Folding and conformational conversion of phosphatidyl-inositol 3-kinase (PI3K) SH3 domain protein
2008G685	SUGIYAMA Masaaki Kyoto Univ.	Study on correlation between primary and higher order structure of alpha-crystallin
2008G686	KUSUNOKI Masami Univ. of Yamanashi	Crystal structure analysis of thermostable esterase Ssh Est1 from thermophilic archaeon <i>Sulfolobus shibatae</i>
2008G687	YAMAGUCHI Toshio Fukuoka Univ.	Structure of hydrated ions in the supercooled state in confinement of nanometer scale
2008G688	SAITOH Tomohiko Tokyo Univ. of Sci.	Electronic structure of two transition-metal perovskite-type oxides
2008G689	WASEDA Atsushi AIST	Crystal evaluation of isotopically enriched Si for the determination of the Avogadro constant
2008G690	KAWASAKI Masato KEK-PF	Crystallographic study of complex of Arfaptin BAR domain and ARL1
2008G691	TAKAHASI Yoshio Hiroshima Univ.	A study on the soil-water distribution behavior of elements in soil under various redox conditions
2008G692	SATOH Norifusa Keio Univ.	Fe-doped quantum size TiO <sub>2</sub> prepared by controlled metal assembly on a dendrimer
2008G693	ZHAO Xinwei Tokyo Univ. of Sci.	Structural analysis of luminescence center in nanocrystalline TiO <sub>2</sub> using synchrotron radiation XAFS
2008G694	KAGI Hiroyuki The Univ. of Tokyo	Pressure response of hydrogen bonding observed from precise measurements on compressibility of hydrous minerals
2008G695	SUGIYAMA Kazumasa Tohoku Univ.	Medium Range Structure of Bulk Zr-Cu based Glasses with High Toughness
2008G696	HARADA Makoto Tokyo Inst. of Tech.	XAFS measurements using thermal lens
2008G697	IIDA Atsuo KEK-PF	The dynamic local layer structure and molecular ordering of the smectic liquid crystals by X-ray semi-microbeams.
2008G698	YAITA Tsuyoshi JAEA	Molecular Design of New Compound for Actinide Recognition by Utilizing Quantitative Structure-Activity Relationships
2008G699	AMEMIYA Yoshiyuki The Univ. of Tokyo	Investigation of crystallization and deformation behavior of Polyethylene Polyhedral Oligomeric Silsesquioxane Copolymer
2008G700	AMEMIYA Yoshiyuki The Univ. of Tokyo	Observation of Hierarchical Structure and its Deformation Behavior of Polypropylene with Microbeam X-ray Scattering
2008G701	KAWAGUCHI Daisuke Nagoya Univ.	Studies on Microphase-Separated Structures Formed by Diblock Copolymers Having Functional Substituent
2008G702	NOJIRI Hideaki The Univ. of Tokyo	Structural analysis of the electron transfer from ferredoxin to terminal oxygenase in aromatic-hydroxylating dioxygenase
2008G703	WEI Shiqiang USTC	Direct determination of local structure around magnetic impurities in self-organized IV-IV dilute magnetic nanocolumns
2008G704	HAYAKAWA Shinjiro Hiroshima Univ.	XAFS analysis of Ti and Nb doped LiNiO <sub>2</sub> (LNO)
2008G705	TAGUCHI Yukihiko Osaka Prefecture Univ.	V 3d state in CuV <sub>2</sub> S <sub>4</sub> studied by soft x-ray emission spectroscopy
2008G706	NAKAI Izumi Tokyo Univ. of Sci.	Study of manufacturing technology of archaeological glass and pottery excavated from Egypt by X-ray chemical speciation
2008G707	MURAYAMA Haruno Chuo Univ.	Structure analysis of Pd nanoparticles during one step synthesis by using polyelectrolyte
2008G708	IGARASHI Noriyuki KEK-PF	Enhancement of lower energy SAD phasing method in PF macromolecular beamlines
2008G709	FUJIMOTO Hiroyuki AIST	Development of Nano-Structure Characterization and Calibration Method using SR X-ray
2008G710	YAMAGUCHI Shu The Univ. of Tokyo	Electronic band structure of BaPrO <sub>3</sub> system by soft X-ray emission and absorption spectroscopy
2008G711	IKEURA Hiromi AIST	Dynamics of conductive electrons in biological and organic materials
2008G712	SEKIGUCHI Tetsuhiro JAEA	Development of a new method to measure the orientation of chemical bonds in nano-meter scale
2008P001	TAKEYA Junichi Osaka Univ.	Structure analysis of organic single crystal sheets
2008P002	HIRAYAMA Tomoko Doshisha Univ.	Crystal Structure Analysis of Machine Oils for Transmission System under High Pressure
2008P003	LIN Jun CAS, China	Species variation and size distribution of elements in atmospheric particulate matters of Shanghai, China
2008P004	KOJIMA Shuji Tokyo Univ. of Sci.	Involvement of NADPH oxidase-mediated reactive oxygen species and extracellular ATP in bystander effect
2008P006	NISHIKIORI Shin-ichi The Univ. of Tokyo	Analysis of the coordination structure of an Fe-Ni complex showing vapochromic and spin-transition behavior
2008P008	PETRYKIN Valery Tohoku Univ.	Analysis of local structure in nano-crystalline electrocatalytic materials Ru <sub>1-x</sub> Ni <sub>x</sub> O <sub>2-y</sub> (x = 0.02; 0.05; 0.10 and 0.15) with different selectivity towards oxygen/chlorine production

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2008P101	ZHONGHUA Sun Curtin Univ. of Tech., Australia	Synchrotron micro-tomography imaging of aortic stent grafts in relation to the aortic artery ostium
2008P102	FURUMAI Hiroaki The Univ. of Tokyo	Analysis of speciation of zinc and copper from combined sewer system using XAFS
2008P103	JÓVÁRI Pál HAS, Hungary	Structural study of bioactive glasses
2008P104	OZAWA Kenichi Tokyo Inst. of Tech.	Structural analysis for Pt-Ge intermetallic compounds inside the pore of MCM-41
2008P105	KAMIKAWA Yukiko AIST	Evaluation of local geometry around Fe in polycrystalline CuGaSe <sub>2</sub> thin films by fluorescence EXAFS
2008P106	OGUNI Masaharu Tokyo Inst. of Tech.	Temperature dependence of the valence state and the positional off-centering of cerium ions in Ce <sub>x</sub> Eu <sub>1-x</sub> CoO <sub>3</sub> crystal
2008P107	TORIYAMA Tamotsu Musashi Inst. of Tech.	Fluorescence XAFS Analysis for Sulfur in Electrodes of Polymer-Electrolyte Fuel Cells Poisoned by Sulfur
2008P108	KIJIMA Norihito AIST	XAFS Analysis of Lithium Battery Electrode Materials with Tunnel Structure



Proposal Number	Spokesperson	Title
2007C008	NOMURA Masaharu Nippon Oil Corp.	XAFS studies on regenerated hydrodesulfurization catalysts
2008C001	WAKATSUKI Soichi Astellas Pharma Inc.	Development of bio-macromolecular structural and functional analysis technology by synchrotron radiation X-ray source
2008C002	NOMURA Masaharu Fuji Photo Film Co., Ltd.	Structural and chemical state analysis of small quantity additives in inorganic materials
2008C003	NOMURA Masaharu Nippon Steel Corp.	Dynamical explication of material processing with SR
2008C004	NOMURA Masaharu Mitsui Chemical Analysis & Consulting Service Inc.	XAFS analysis of small quantity metals in thin films and catalysts
2008C005	KAWATA Hiroshi ERATO, JST	Construction and use of SR beamline for sub-nanosecond time-resolved X-ray diffraction experiments
2008C006	WAKATSUKI Soichi JT	X-ray crystal structure analysis of complexes between drug target proteins and small ligands
2008C007	KOBAYASHI Katsumi Center Res. Inst. Electric Power Industry	Study on bystander effects using SR X-ray microbeam
2008C008	IIDA Atsuo Fujitsu Laboratories Ltd.	Study on structure analysis of thin film surface and interface
2008C009	NOMURA Masaharu Mitsubishi Chemical Co.,	XAFS analysis of phosphors for solid state lighting
2008C010	NOMURA Masaharu Toyota Central R&D Labs. Inc.	Time-resolved XAFS analysis of automobile catalysts
2008C011	HIRANO Keiichi Hitachi, Ltd.	Research on imaging and materials estimation
2008C012	YAGISHITA Akira Nikon Corp.	SR characterization of X-ray multilayer mirrors
2008C013	KISHIMOTO Shunji Ohyo Koken Kogyo Co., Ltd.	Development of high-counting rate scintillation counters for high energy X-rays
2008C014	KOBAYASHI Katsumi JFE Steel Corp.	Technological establishment of nano-level analysis of materials with SR
2008C015	IIDA Atsuo Canon Inc.	Study on microanalysis using SR X-ray microbeam
2008C016	WAKATSUKI Soichi Toray Research Center, Inc.	Development of rapid protein structural analysis using cell free protein expression system and synchrotron X-ray
2008C017	ITO Kenji Toppan Printing CO., Ltd.	A study on the optical property of thin films in the EUV region
2008C018	IGARASHI Noriyuki NEC Co.	Development of the micro-channel monochromator for the high heat load beamline
2008Y001	OHSHIMA Etsuo Kyowa Hakko Kogyo Co. Ltd.	X-ray crystallographic studies of proteins and protein/ligand complexes for structure-based drug design
2008Y002	KOBAYASHI Seiichi Eisai Co. Ltd.	X-ray crystallographic studies of proteins and protein/ligand complexes for structure-based drug design
2008Y003	KATOH Masao Astellas Pharma Inc.	X-ray crystallographic studies of proteins and protein/ligand complexes for structure-based drug design
2008Y004	TAKYANAGI Teruo PCProt	Pharmaceutical Consortium for Protein Structure Analysis
2008Y005	OKABE Naofumi Chugai Pharmaceutical Co., Ltd.	X-ray crystallographic studies of proteins and protein/ligand complexes for structure-based drug design
2008Y006	YOKOTA Hiroshi Sankyo Co., Ltd.	X-ray crystallographic studies of proteins and protein/ligand complexes for structure-based drug design
2008Y007	FURUKAWA Hidehiko Sankyo Co., Ltd.	X-ray crystallographic studies of proteins and protein/ligand complexes for structure-based drug design
2008Y008	Dennis M. SCHMUTZ Banyu Pharmaceutical Co., Ltd.	X-ray crystallographic studies of proteins and protein/ligand complexes for structure-based drug design
2008Y009	ONOMICHI Kazuya AJINOMOTO Co., Inc.	X-ray crystallographic studies of proteins and protein/ligand complexes for structure-based drug design
2008Y010	ISHIDA Hideyuki Toray Industries, Inc.	XAFS analysis of anode materials for lithium ion rechargeable batteries
2008Y011	HATTORI Makoto Sumitomo Chemical Co., Ltd.	Structural analysis of fine ceramics by X-Ray Absorption Fine Structure
2008Y012	YAMAMOTO Iwao Mitsubishi Chemical Co.	Structural analysis of fine ceramics by X-Ray Absorption Fine Structure
2008Y013	OKUMURA Hajime NIMS	Estimation of dislocations in SiC crystals for developing the fundamental technology of power electro
2008Y014	KUDOH Yoshihiro Sony Co.	XAFS Analysis on Si
2008Y015	NAKAYAMA Yuri SONY Corp.	Structure analysis of organometallic complex in solvents by XAFS

Proposal Number	Spokesperson	Title
2008Y016	NAKAYAMA Yuri SONY Corp.	Structure analysis of organometallic complex in solvents by XAFS
2008Y017	OSAKABE Nobuyuki Hitachi, Ltd.	Structural analysis of organic materials using x-ray phase-contrast imaging
2008Y018	KUDOH Yoshihiro Sony Co.	XAFS Analysis on Si
2008Y019	Barry N NOILIER Univ. of Queensland, Australia	Molecular structure of lead compounds in airborne transfer from lead processing and handling sites and their relationship to human toxicology
2008Y020	TAKEDA Haruo Hitachi, Ltd.	Structural analysis of organic materials using x-ray phase-contrast imaging
2008Y021	KUDOH Yoshihiro Sony Co.	XAFS Analysis on Si
2008Y022	IDA Takashi Nagoya Inst. Tech.	Studies on structures of novel materials by synchrotron powder diffraction method

\*C-type proposals are submitted by PF staff members in collaboration with private companies etc. shown in the parentheses.

\*\*Y-type proposals are submitted by researchers of private companies etc.