

3. Theses

Theses written based on the PF experiments.

Doctor of Engineering

LIEN Le Thin Ngoc (Yamagata Univ.)

“Desinns and Dilute Solution Properties of Branched Polymers Based on Methacrylate-Ended Poly(n-hexyl isocyanate) Rodlike Macromonomers”

The main part of this work was carried out at BL-10C.

Doctor of Engineering

ZHANG Dongjin (Kumamoto Univ.)

“Template Synthesis of Oxygen Storage Materials Based on Oxysulfates and Oxides”

The main part of this work was carried out at BL-11B.

Doctor of Engineering

SENDA Miki (Nagaoka Univ. Tech.)

“Molecular Mechanism of the Redox-Dependent Interaction between NADH-Dependent Ferredoxin Reductase and Rieske-Type [2Fe-2S] Ferredoxin”

The main part of this work was carried out at BL-5A, 6A, 18B and NW12A.

Doctor of Science

OHI Shugo (Kyoto Univ.)

“High Temperature Orthorhombic Pyroxene – Phase Transition between Low and High Temperature Orthorhombic Pyroxene and Phase Transition in Enstatite-Diopside System at High temperature –”

The main part of this work was carried out at BL-4B2.

Doctor of Science

YOKOI Norihiko (Nagoya Univ.)

“Artificial Cooperative Reaction Systems Based on Bio-Templates: Alignment of Metal Complexes on Designed Protein Assemblies”

The main part of this work was carried out at BL-5A and 6A.

Doctor of Science

BIZEN Disuke (Tohoku Univ.)

“Pressure Effect on Orbital and Magnetic Ordering in Perovskite-Type Vanadium Oxide”

The main part of this work was carried out at BL-4C and 3A.

Doctor of Science

HOSOYA Kazumasa (The Univ. of Tokyo)

“Development of a New Functional Complex Based on the Hofmann Pyridine Complex”

The main part of this work was carried out at BL-9C.

Doctor of Science

YOSHIDA Jun (The Univ. of Tokyo)

“Construction of Supramolecular Structures by Assembling Planar Mononuclear Metal Complexes”

The main part of this work was carried out at BL-27B.

Doctor of Agriculture

AKAI Yusuke (The Univ. of Tokyo)

“Structure and Function of the Histone Chaperone CIA/ASF1 Complexed with the CCG1 Bromodomain.”

The main part of this work was carried out at BL-5A and NW12A.

Doctor of Engineering

FUKUNAGA Tetsuya (Chiba Univ.)

“Hydrogen Production from Hydrocarbons on Metal Catalysts”

The main part of this work was carried out at BL-7C.

Doctor of Science

TANAKA Yoshitada (Chiba Univ.)

“Study on Fluctuations in Density and Concentration for Supercritical Xe-Kr Mixtures”

The main part of this work was carried out at BL-15A.

Doctor of Philosophy

HISHIKI Asami (Yokohama City Univ.)

“Structural Basis for Novel Interactions between Human TLS Polymerases and PCNA”

The main part of this work was carried out at BL-NW12A.

Doctor of Engineering

HASHIMOTO Koichi (Tokyo Univ. Agr. Tech.)

“Time-Resolved X-Ray Crystal Structure Analysis on the Hydration Mechanism of Iron-Type Nitrile Hydratase”

The main part of this work was carried out at BL-NW12A.

Doctor of Science

OKUNO Yu (Chiba Univ.)

“Characterization and Adsorption Properties of New Nanoporous Materials”

The main part of this work was carried out at BL-7C and NW10A.

Doctor of Agriculture

OHTSUKA Jun (The Univ. of Tokyo)

“Crystal Structures of CTP: Phosphoethanolamine Cytidylyltransferase in Various Stages of the Enzyme Reaction Reveal Unexpected Roles of Tandem Repetitive Domains”

The main part of this work was carried out at BL-5A and NW12A.

Doctor of Engineering

HISAMATSU Keigo (Nagasaki Univ.)

“Study on the Mechanism of Cell Membrane Pore Formation by the Hemolytic Lectin CEL-III ”

The main part of this work was carried out at BL-10C.

Doctor of Dissertation (Biostudies)

UI Mihoko (The Univ. of Tokyo)

“Molecular Recognition Mechanism of an Anti-Ciguatoxin Antibody Based on the Structural, Thermodynamic and Kinetic Analyses”

The main part of this work was carried out at BL-5A, 6A and NW12A.

Doctor of Philosophy

MINOHARA Makoto (The Univ. of Tokyo)

“Modulation of Schottky Barrier Heights at Transition Metal Oxide Heterointerfaces using in situ Synchrotron Radiation Photoemission Spectroscopy”

The main part of this work was carried out at BL-2C.

Doctor of Science

KINOSHITA Kumiko (Hokkaido Univ.)

“Surface Structure Determinations of Single Crystal Transition Metal Compound Model Catalysts”

The main part of this work was carried out at BL-7C, 9C and NW10A.

Doctor of Engineering

OMINAMI Yusuke (Hokkaido Univ.)

“Development of Fabricated Catalyst Nanostructure and Characterization Method”

The main part of this work was carried out at BL-11B.

Doctor of Science

ABE Minako (Tokyo Med. Dent. Univ.)

“Structural and Functional Analyses of the BMP10 Complex in Extracellular Region”

The main part of this work was carried out at BL-6A and NW12A.