

### 3. Ph. D Theses

List of doctoral theses, which were written based on the PF experiments. 2014FY (\*registered by 2015. Jul. 1)

LAI, Kwing To (Osaka Univ. )

“Evolution of the Electronic Phase Diagram for Iron-Based Superconductor  $\text{LaFeP}_{1-x}\text{As}_x\text{O}_{1-y}\text{F}_y$  ( $y=0-0.1$ )” (8A and 8B)

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ZHANG, Shuijun (Dr of Science, Chinese Academy of Sciences)

“The Mechanism of NK Cell Receptors Interacting with their Ligand” (5A)

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KIM, Kyoung Hoon (Dr of Biochemistry, Seoul National Univ.)

“Structural and Functional Studies of Tpa1 from *Saccharomyces cerevisiae*, a Component of the Messenger Ribonucleoprotein Complex” (AR-NW12A)

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NISHIKAWA, Yosuke (Osaka Univ.)

“Structural Studies on the Stalk Region of the Dynein Motor Domain” (17A, 5A, 1A, and AR-NW12A)

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WU, Yanlin (SOKENDAI / The Graduate University for Advanced Studies)

“Development of High-Contrast X-Ray Imaging Method with Multiple-Times-Diffraction Enhanced Imaging. X-Ray Phase-Contrast Imaging Using Synchrotron Radiation” (14C)

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FUJII, Yuki (Osaka Univ.)

“Development of a Novel and Versatile Affinity Tagging System using an Anti-Podoplanin Antibody NZ-1” (1A and 17A)

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EMORI, Masato ( Sophia Univ.)

“Electronic States and Excited Carrier Dynamics of Titania Photocatalyst” (3B, 11A, and 13B)

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HORI, Mayumi (The Univ. of Tokyo)

“Elucidation of Reduction Process of Hexavalent Chromium in Environment and Application to Pollution Remediation ” (9A, 9C, and 12C )

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YAMAGATA, Takehiro (The Univ. of Tokyo)

“Evaluation of Redox Conditions at Dredged Trenches in Tokyo Bay by the Concentrations and Chemical States of Elements in the Sediments ” (9A, 9C, and 12C)

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SANO, Masami (Nagoya Univ.)

“Photoinduced Cooperative Orientational Switching of Different Hierarchical Architectures in Liquid Crystalline Block Copolymer Films ” (6A)

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NAKANISHI, Yuko (Tokyo Inst. of Tech.)

“The Production of Pairs of H(2p) Atoms in the Photodissociation of  $\text{H}_2$  ” (20A and 28B)

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YAMADA, Hiroyuki (Nagoya Univ. )

“Structural Study of High-Energy Metastable Conformational Substates of Proteins using High-Pressure X-Ray Crystallography” (AR-NW12A)

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TONGSAKUL, Duangta (Japan Advanced Institute of Science and Technology )

“Studies on the Development of Platinum-Based Nanoparticles by a Green Synthetic Method as Heterogeneous Catalyst for Selective Oxidation of Polyols into Value-Added Chemicals” (9C)

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AIZAWA, Hideki (Univ. of Tsukuba )

“Structural Characterization of Nonionic Surfactant Micelles and Bile Salt Based Mixed Micelles by using Small Angle X-Ray Scattering” (10C)

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HAMAJIMA, Yuki (Rikkyo Univ. )

“Structural Basis of the Pressure Adaptation of 3-Isopropylmalate Dehydrogenase from an Extremely Piezophilic Bacterium *Shewanella Benthica*” (AR-NW12A)

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TSUTSUMI, Naotaka (Kyoto Univ. )

“Structural Analysis of the Proteins Related to TLR/IL-1R Signaling” (1A, 5A, and 17A)

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