

Ph. D Theses

List of doctoral theses, which were written based on the PF experiments. 2017FY (*registered by Sep. 25, 2018)

CHAVEANGHONG Suwilai (Mahidol Univ. _THAILAND)
"CONVERSION OF BIO-WASTE TO HETEROGENEOUS CATALYST FOR BIODIESEL PRODUCTION"
(NW10A)

LI Xin (Nankai Univ. _CHINA)
"Mechanistic insights into SOCE inactivation" (17A)

蒋昕悦 (大阪大学)
"Conformation and Dynamics of Cellulosic and Amylosic Chains in Solution" (6A)

LI Xiaorong (China Agricultural Univ. _CHINA)
"Structural and functional studies of an unconventional small G protein OsYchF1 in *Oryza sativa*" (1A)

GAO Yina (China Agricultural Univ. CHINA)
"Structural and functional studies of the human signal recognition particle SRP72" (5A)

内田翔也 (東京工業大学)
"可塑剤および異方性無機粒子の導入によるポリイミド薄膜の光学・熱伝導特性の制御" (6A and 10C)

LEE Youngjin (Gwangju Inst. of Sci. and Tech. _ Korea)
"Structural Insights into Human Mitochondrial Calcium Uniporter" (NW12A)

TONITI Waraphan (京都産業大学)
"Structural and functional studies of *Clostridium perfringens* Iota-like Enterotoxin (CPiLE)" (5A and NW12A)

LU Cong (広島大学)
"The Investigation of Local Ferroelectric Order in SrTiO₃ using X-ray Spectroscopies" (9A)

Nik Afiza Binti Mohamad Mran (立命館大学)
"Characteristic X-Ray Absorption Near Edge Structure of Small Particle in Metal Catalyst" (9C and 12C)

Chek Min Fey (奈良先端科学技術大学院大学)
"Structural study of PHA synthase from *Chromobacterium* sp. USM2, PhaCCs" (1A)

Longjie AN (神戸大学)
"Sr ドープ NaTaO₃ 水分解光触媒の合成と特性分析" (12C and NW10A)

Verma Priyanka (大阪大学)
"Design of Ag-based Plasmonic Nanocatalysts Using Mesoporous Silica for Efficient Catalysis under Visible Light Irradiation" (12C and NW10A)

榎田泰介 (崇城大学)
"Study of structural-chemistry of sodium 4-phenylbutyrate on its binding to serum albumin" (17A)

米澤健人 (東京大学)
"Photoactive Yellow Protein における異常なプロトン化状態を示すアルギニンに関する研究" (10C and 5)

Minghao CHEN (北海道大学)
"Elucidation of a novel tRNA thiolation reaction mechanism involving Fe-S cluster" (5A and NE3A)

DIAS Elaine (The Univ. of Sydney _Australia)
"Study of Magnetoelastic Coupling in Antiperovskite Materials" (9C and NW10A)

AN Jun Yop (Gwangju Inst. of Sci. and Tech. _KOREA)
"Structural Insights into Dynamical Oligomerization of FtsH Periplasmic Domain from *Thermotoga Maritima*" (5A)

神長輝一 (茨城大学)
"Study of the biological effect of ununiformed radiation-field using live-cell imaging for X-ray microbeam irradiated cells" (27B)

石丸純也 (東京工業大学)
"3d 遷移金属を含むダブルペロブスカイト型酸化物秩序相の薄膜合成ならびに電子状態とスピン構造" (2A)

中塚和希 (大阪大学)
"Development of Nano-structured Catalysts Based on Ordered Porous Materials and Their Catalysis" (9C)

尾地真典 (東京理科大学)

“Developments of BaCe_{0.90}Y_{0.10}O_{3.6}-Based Electrolyte and Anode Electrode Thin Films for Solid Oxide Fuel Cell” (2A)

真鍋 亮 (早稲田大学)

“Low Temperature Catalysis via Surface Protonics” (13A)

一ノ瀬智浩 (東北大学)

“RF マグネトロンスパッタ法を用いた 高品質マルチフェロイック BiFeO₃ 薄膜の作製とその電気磁気効果に関する研究” (16A)

中谷泰博 (大阪大学)

“Strongly correlated electronic structures of Ce-based heavy fermion systems probed by polarization-dependent X-ray electron spectroscopy” (2A)

徐 玉群 (東京大学)

“Structural Basis for Ligand Specificity of HTL Proteins from Parasitic Weed *Striga hermonthica*” (5A, 17A and AR-NW12A)

権 成鶴 (京都大学)

“Structural studies on the [NiFe] hydrogenase maturation mechanism” (1A, 5A, 17A, NW12A and NE3A)

永田隆平 (京都大学)

“Structural study on phosphate donor specificity of kinases” (1A, 5A, 17A, NW12A and NE3A)

中澤 暦 (筑波大学)

“Studies on some self-assembled systems of biomolecules as functional materials” (6A and 10C)

生島智樹 (東京大学)

“カルシウム依存的な鞭毛運動の制御に関わるタンパク質カラクシンの構造解析” (10C, 17A and AR-NW12A)

松林康仁 (東京大学)

“スピン軌道結合金属 Cd₂Re₂O₇ の純良単結晶育成とパリティを破る相転移に関する研究” (NE1A)

田口裕之 (早稲田大学)

“ヌクレオソームの構造安定性に関する研究” (5A and 17A)

西山奈菜 (東京工業大学)

“パルスレーザ堆積法によるカルシウムフェライトのエピタキシャル成長” (2A)

鯨井智也 (早稲田大学)

“ヒストンバリエント H3.Y を含むヌクレオソームの構造と機能に関する研究” (17A)

門林宏和 (愛媛大学)

“広範囲な温度圧力条件下における メタンハイドレートの相変化と物理化学的性質の解明” (18C)

中嶋 優 (東京大学)

“糸状菌メロテルペノイドの複雑骨格構築に関わる α-ケトグルタル酸依存性ジオキシゲナーゼの構造機能解析” (1A and 17A)

加藤大貴 (早稲田大学)

“新規クロマチン基盤ユニットの立体構造に関する研究” (1A and 17A)

王 徳龍 (東京大学)

“Two crystal structures of restriction DNA glycosylase R.PabI in complex with DNA reveal its mechanism of searching for and interrogating the recognition sequence” (17A and AR-NW12A)

渋谷 陸 (筑波大学)

“Local reactivity and catalytic property of graphitic carbon materials” (13A)

六本木沙織 (岩手医科大学)

“微生物ジペプチジルアミノペプチダーゼ IV の構造生物学的研究” (1A, 17A and NE3A)

田中汰久治 (千歳科学技術大学)

“Study on Smectic LC Phases Formed in Polysilane and Their Application for Metal Nanopatterning” (10C, 17A and AR-NW12A)

曽根 薫 (東京大学)

“α, α-二置換アミノ酸を基質として用いる非リボソームペプチド合成酵素の構造および機能解析” (1A)

小野塚智也 (東京大学)

"Control of Structures and Properties of Transition Metal Oxide Thin Films by Soft Chemical Processes" (2A and 2B)

竹之内惇志 (東京大学)

"Collisional events on Mars as described by shock P-T histories of shergottites Martian meteorites with brown olivine" (4A)

傅 磊 (東京大学)

"土壤中のアンチモン(III)酸化メカニズムに関する研究" (NW10A, 9A, 9C and 12C)

足立 徹 (大阪大学)

"Electronic States of P doped 122 Iron based Superconductor studied by Angle-resolved Photoemission and Raman Scattering Spectroscopy" (8A and 8B)

瀧沢 士 (大阪大学)

"Mechanistic basis for the recognition of laminin-511 by $\alpha 6\beta 1$ integrin" (1A)

立岡美夏子 (東京大学)

"Structural and functional analysis of the GH family 6 cellobiohydrolase from the basidiomycete *Phanerochaete chrysosporium*" (NE3A, NW12A, 1A, 5A and NE3A)

長谷川博一 (大阪大学)

"Solution Properties of Linear and Star Poly(quinoxalline-2,3-diyl) Derivatives with Rigid Helical Backbones" (10C)

橋口和弘(筑波大学)

"Formation process of silver hexagonal nanoplate in silver citrate solution by visible-light irradiation" (15A1, 15A2 and 10C)

長谷川友里 (筑波大学)

"Structural measurement of highly ordered organic thin film for understanding and control of their electronic and optical property" (13A, 13B and 3B)

重田泰宏 (北海道大学)

"Studies on Vapochromic Behaviors of Supramolecular Pt(II) Complexes with Porous Structures" (8B and NW2A)

Terigele XI (筑波大学)

"Characteristic low-temperature behaviors and grain boundary state of FCC nanocrystalline metals" (8A)

VASILEVA Peteva Delyana (東京大学)

"Plasmid-host functional interaction network: global proteome dynamics and molecular analysis of H-NS family proteins" (5A, NE3A and NW12A)

金澤宏樹 (上智大学)

"Structure-based design of the next generation aminoglycosides targeting eukaryotic ribosomes" (5A, 17A and 1A)

菅 大暉 (広島大学)

"Geochemical study of organic matter in terrestrial/extraterrestrial samples using multi-probe microscopic observation based on scanning transmission X-ray microscopy" (13A/13B)

西村龍太郎 (SOKENDAI)

"SOI ピクセル検出器を用いた X 線計測システムの構築と評価" (14B, 14C and 14A)
