

Ph. D Theses

List of doctoral theses, which were written based on the PF experiments. 2018FY (*registered by 2019. Jun. 30)

GAO Jing (Peking Univ., CHINA)

“Experimental Constraints on High-Pressure Crystal Chemistry of Carbonates and Superdeep Diamond Genesis” (AR-NE1A)

QIN Fei (Peking Univ., CHINA)

“High-Pressure Investigation on Crystal Chemistry of Several Mineral Phases in Subducted Zone” (AR-NE1A)

伊藤理彩 (東京大学)

“A geochemical study on the elemental behavior and nitrification activity in the sediments on atolls, central Pacific” (4A, 9A and 12C)

LEANDDAS Nurdiwijayanto (筑波大学)

“Exploring the Nature of Chemically Exfoliated Molybdenum Disulfide and the Design of a Heterointerface Structure for Photocatalytic Applications” (6C)

SONG Yeji (筑波大学)

“Study on Swelling Behavior of Layered Perovskite Niobate and its Exfoliation Process toward the Synthesis of High-quality Nanosheets” (6C)

ZHANG Manfeng (China Agricultural Univ., CHINA)

“Structural and Functional Studies of the Arterivirus nsp11 Endoribonucleases” (1A)

YIN Maolu (Chinese Academy of Sciences, CHINA)

“Structural Studies of Core Complex of CRISPR-Cas System” (17A)

FU Shijuan (Nankai Univ., CHINA)

“Structural and Functional Studies of STIM1 Molecule” (17A)

BANU Nasrin (The University of Calcutta, INDIA)

“STRUCTURE, MAGNETIC PROPERTIES AND THEIR ION IRRADIATION INDUCED MODIFICATIONS IN THIN FILMS AND MULTILAYERS” (18B)

YOON Jungmin (Korea Advanced Institute of Science and Technology, KOREA)

“Integrative Structural Investigation on Human Importin4_histone H3/H4_Asf1a complex” (AR-NW12A)

MAHARANI Pertiwi Koentjoro (岐阜大学)

“Studies on Interaction of LysR-type Transcriptional Regulator and Promoter DNA” (17A)

石橋ちなみ (広島大学)

“食品油脂の結晶核形成および結晶多形転移とそれらの制御に関する物理化学的研究” (6A)

MIAN Mohammad Rasel (東北大学)

“Effect of Hydroxy Groups of In-Plane Ligand upon Electronic States and Physical Properties on One-Dimensional Metal Complexes” (AR-NW10A)

RASHA Ahmed Hanafy Bayomi (京都工芸繊維大学)

“Studies on Surface Structure and Grain Coarsening in Sphere-Forming Triblock Copolymer Thin Films” (6A)

HU Miaohui (Chinese Academy of Sciences, CHINA)

“三聚态胞内阳离子通道结构与功能研究” (1A, 5A and AR-NW12A)

KUSUMAWATI Etty (東京大学)

“Size-Controlled Metal Nanoparticles on SBA-15 with Immobilized Ionic liquid: Synthesis, Structural Properties and Catalytic Performances” (9C, 12C, AR-NW10A)

仲西賢剛 (広島大学)

“急速冷却および等温結晶化過程における OPO/POP 2 成分混合系の分子間化合物形成に関する物理化学的研究” (6A)

PHAN Giao Ngoc (東北大学)

“High-resolution ARPES study of FeSe superconductors” (28A/B)

今村公裕 (九州大学)

“Experimental study on rheological properties of mantle minerals: Implication for subducting slab and the lower mantle” (AR-NE7A)

SIRISIT Natee (北海道大学)

“Advanced XAFS analysis for local structure of functional materials” (9A)

KIM Junhoe (Korea Univ., KOREA)

“Structural and Functional Studies of Human Autophagy-Related Protein 5 in Autophagosome Maturation” (17A)

PARK Soo-Bong (Ewha Womans Univ., KOREA)

“Structure and mechanism of 1 megadalton protein machine, group III chaperonin” (17A)

SON Jonghyeon (Korea Univ., KOREA)

“Structural Analysis of Prolyl-tRNA Synthetase Complexed with the Substrates and Halofuginone Derivatives” (1A)

伊藤 俊 (東京大学)

“Electronic properties of bismuth studied by systematic film control at the nanoscale” (2A/2B)

小林海渡 (東京理科大学)

“ β -1,2-グルコオリゴ糖の比色定量法の確立及び β -1,2-グルコオリゴ糖に作用する新規糖転移酵素の機能と構造の解明” (AR-NW12A and 5A)

田中信清 (東京理科大学)

“新規 Glycoside hydrolase family に属する真核生物由来 *endo*- β -1,2-glucanase の単離同定及び機能構造解析” (5A)

野崎翔平 (東京大学)

“植物ホルモン・ブラシノステロイドのマスター転写因子の DNA 結合特異性の構造基盤” (AR-NE3A)

林 宏紀 (筑波大学)

“Poly(phenyl isocyanide)s with Controlled Structures and Functions” (8B)

若林 諒 (東京工業大学)

“酸化ガリウム系混晶の薄膜成長とヘテロ接合界面の物性評価に関する研究” (2A)

WANG Yixia (東京大学)

“Structural Insight into the Mechanism of Angular Dioxygenation in Carbazole 1,9a-Dioxygenase” (5A, AR-NW12A and AR-NE3A)

宮澤徹也 (総合研究大学院大学)

“無酸素パラジウム/チタンを用いた新しい非蒸発型ゲッターコーティングの開発, 放射光 XPS による分析, 排気性能評価” (13B)

大澤 俊 (東京工業大学)

“Simultaneous Crystallization Behavior of Crystalline-crystalline Diblock Copolymers” (10C and 6A)

筒井祐介 (京都大学)

“Development of Contactless Conductivity Measurement System with Microwave Probe and Its Applications for Organic Semiconductors” (8)

ALIMA Binti Abdul Latiff Hawa (筑波大学)

“Magnetic anisotropy and coercivity of tetragonally distorted spinel ferrite particles via the Jahn Teller distortion and magnetoelastic coupling” (16A and 9C)

久保 惇 (昭和薬科大学)

“sp³炭素導入による構造複雑化を指向した選択的シクロロム P450 1B1 阻害剤の創製と酵素との相互作用解析” (AR-NW12A)

山本悠策 (立命館大学)

“触媒反応条件下におけるシリカ担持ニッケル粒子の化学状態変化” (9C and 12C)

石井祐太 (東北大学)

“共鳴 X 線散乱と SR によるマルチフェロイックス RMn₂O₅ の磁気秩序の研究” (19A/B, 3A, 4C, AR-NE1A, 8A and 16A)

LI Kun (山形大学)

“Structure Evolution of Polymers in Shear Flow” (6A)

吉田康平 (北海道大学)

“Postpolymerization Modification of Polystyrene-block-Poly(methyl methacrylate) to Fabricate 10-nm-Scale Microphase-Separated Structure” (15)

領木研之 (大阪大学)

“Solution Properties and Chiral Separation Ability of Cyclic Amylose Carbamates” (10C and 6A)

SUNG Kyungmo (東京大学)

“Construction of multifunctional nacre-mimetic polymer/clay nanocomposites by reaction-induced self-assembly” (6A)

KIM Chaehoon (東京大学)

“Dynamic Features of Network Polymers with Vicinal-Diols” (6A)

佐々木拓朗 (千葉大学)

“Study on the Interfacial Mechanism of the Supported Nickel Oxide Nanocluster by X-ray Absorption Fine Structure” (9C)

杉崎裕一 (立教大学)

“Fe₂P 単結晶表面の電子状態とそれに及ぼす P 偏析の効果” (13A/B, 3B)

丸山達也 (金沢大学)

“ヘテロ金属の核数制御に伴うポリオキソバナデートの構造変化に関する研究” (12C)

吉澤麻美 (昭和薬科大学)

“ヒスチジン残基を標的とした共有結合型ビタミン D 誘導体の創製” (5A, AR-NW12A)

金森 聡 (昭和薬科大学)

“β酸化による C24:6 から C20:5 への推定生合成中間体関連化合物の合成と核内受容体 HNF4αの結合に関する研究” (5A, AR-NW12A)

佐伯 亮 (筑波大学)

“Stepwise deprotonation-induced electronic state conversion in metal complexes” (8A)

KIM Jaejun (東京工業大学)

“Design of Electronic Devices Using Redox-active Organic Molecules and Its Porous Coordination Networks” (AR-NW2A)

王 新穎 (東京大学)

“Structural and biochemical study on the dual coenzyme (NADP+/NAD+) specific isocitrate dehydrogenase from *Trypanosoma brucei* glycosome” (17A, AR-NE3A, AR-NW12A)

吉田浩平 (東京大学)

“脂質膜流動性を利用した GPCR の物理化学的解析と薬剤探索への応用” (10C and 6A)

千吉良 岳 (東京大学)

“蛋白質科学に基づく新規乳癌関連 BIG3-PHB2 相互作用阻害剤の創出” (10C and 6A)

長谷川 輝 (東京大学)

“Mineralogical and geochemical study of brachinite clan meteorites: Implications for early differentiation of planetesimals” (4A)

田丸慶明 (東京農工大学)

“担子菌の植物細胞壁分解における芳香族化合物を介したフェントン試薬生成に関する研究” (AR-NW12A, 5A)

山林 奨 (東北大学)

“スピン量子ビットを志向した分子磁性体の研究” (AR-NW2A)

李 龍 (北海道大学)

“Developing novel methods for protein crystallization” (1A, 5A, 17A)

大下宏美 (茨城大学)

“金属(II)-フェノキシラジカル錯体における第二配位圏の相互作用が電子状態に及ぼす影響” (9A, AR-NW10A)

林 宏紀 (筑波大学)

“Poly(phenylisocyanide)s with Controlled Structures and Functions” (8B)
