

# THESES

- CHIDA, Kensaku  
D Sc, Kyoto University  
“Electrical Noise Measurements on Non-Equilibrium Quantum Hall System”  
Supervisor: Prof KOBAYASHI, Kensuke  
15 January 13
- FUKUSHIMA, Tatsuya  
D Eng, Kyoto University  
“Solid-State NMR Studies on Local and Aggregated Structures of Organic Semiconductor Materials”  
Supervisor: Prof KAJI, Hironori  
25 March 13
- FURUICHI, Kenji  
D Eng, Kyoto University  
“Nonlinear Stress Relaxation of Entangled Polymer Chains in Primitive Network Simulation”  
Supervisor: Prof WATANABE, Hiroshi  
23 July 13
- GONG, Chunjie  
D Agr, Kyoto University  
“Characterization of Proteins Involved in the Biosynthesis of Eicosapentaenoic Acid in *Shewanella livingstonensis* Ac10”  
Supervisor: Prof KURIHARA, Tatsuo  
25 March 13
- HAMADA, Shohei  
D Pharm Sc, Kyoto University  
“Development of Electronically Tuned Nitroxyl Radical Catalysts”  
Supervisor: Prof KAWABATA, Takeo  
25 March 13
- HASHIMOTO, Sigma  
D Eng, Kyoto University  
“Syntheses of Polycyclic Aromatic Compounds with Heteroatom Junctions via Tandem Hetero-Friedel-Crafts Reactions”  
Supervisor: Prof NAKAMURA, Masaharu  
25 March 13
- HISADA, Hiromoto  
D Agr, Kyoto University  
“Studies on Gene Expression and Promoter Analyses for Protein Production in *Aspergillus oryzae*”  
Supervisor: Prof HIRATAKE, Jun  
23 May 13
- IMAI, Takeshi  
D Agr, Kyoto University  
“Studies on Mammalian Selenite Metabolism”  
Supervisor: Prof KURIHARA, Tatsuo  
25 March 13
- INOUE, Shunsuke  
D Sc, Kyoto University  
“Femtosecond Electron Deflectometry for Measuring Ultrafast Transient Fields Induced by Intense Laser Pulses”  
Supervisor: Prof SAKABE, Shuji  
25 March 13
- KAMADA, Mayumi  
D Inf, Kyoto University  
“Analysis and Prediction Methods for Protein Structure and Function”  
Supervisor: Prof AKUTSU, Tatsuya  
25 March 13
- KATAYAMA, Sayaka  
D Pharm Sc, Kyoto University  
“Membrane Accumulation of Arginine-Rich Cell-Penetrating Peptides Promoting Their Membrane Translocation”  
Supervisor: Prof FUTAKI, Shiroh  
25 March 13
- KAWAMURA, Shintaro  
D Eng, Kyoto University  
“Development of Iron-Catalyzed Cross-Coupling Reactions with Organoaluminum, magnesium and -zinc Reagents Directed toward Controlled Organic Synthesis”  
Supervisor: Prof NAKAMURA, Masaharu  
25 March 13
- KIMURA, Hiroshi  
D Sc, Kyoto University  
“In-situ NMR Study of the Mechanism and Kinetics of Hydrothermal Reactions of Monosaccharides and Oligosaccharides”  
Supervisor: Assoc Prof MATUBAYASI, Nobuyuki  
25 March 13
- MISHIRO, Kenji  
D Pharm Sc, Kyoto University  
“Development of Substrate Specific Reactions and Creation of Optically Active Molecules Based on Hydrogen Bonding”  
Supervisor: Prof KAWABATA, Takeo  
25 March 13
- MORINAKA, Yuta  
D Eng, Kyoto University  
“Studies on Properties of Endohedral Fullerenes and Development of Fullerene Derivatives for Organic Photovoltaic Devices”  
Supervisor: Prof MURATA, Yasujiro  
25 March 13
- MUTO, Ai  
D Sc, Kyoto University  
“Modular Architecture of Metabolic Pathways Revealed by Conserved Sequences of Reactions”  
Supervisor: Assoc Prof GOTO, Susumu  
24 September 13
- NAKAO, Masao  
D Sc, Kyoto University  
“Resonance Coupling Induced Enhancement of Indirect Transverse Cooling in a Laser-cooled Ion Beam”  
Supervisor: Prof NODA, Akira  
23 January 2013

NISHINO, Reiko  
D Pharm Sc, Kyoto University  
“Development of DMAP Derivatives with an Internal Carboxylate  
and Their Catalytic Profile”  
Supervisor: Prof KAWABATA, Takeo  
25 March 13

SAKAGAMI, Michiyasu  
D Sc, Kyoto University  
“Studies on Construction of Novel d- $\pi$  Conjugated Systems  
Reflecting Unique Properties of Low-Coordinated Heavier  
Group 15 Elements”  
Supervisor: Prof TOKITOH, Norihiro  
26 March 13

SHIMAMURA, Kazutoshi  
D Sc, Kyoto University  
“Electric Field Control of Magnetic Properties Using Electrical  
Double-Layers”  
Supervisor: Prof ONO, Teruo  
15 January 13

SHINTANI, Megumi  
D Sc, Kyoto University  
“Interaction and Dynamics of Phospholipid Membranes Studied  
by Solution-state NMR and Molecular Dynamics Simulation”  
Supervisor: Assoc Prof MATUBAYASI, Nobuyuki  
23 May 13

SOUDA, Hikaru  
D Sc, Kyoto University  
“Efficiency Enhancement of Indirect Transverse Laser Cooling  
with Synchro-Betatron Resonant Coupling by Suppression of Beam  
Intensity”  
Supervisor: Prof NODA, Akira  
23 January 13

TANABE, Kenji  
D Sc, Kyoto University  
“Study on Spin Motive Force Excited in Magnetic Vortices”  
Supervisor: Prof ONO, Teruo  
15 January 13

UEDA, Yoshihiro  
D Pharm Sc, Kyoto University  
“Organocatalytic Regioselective Total Synthesis and Functional-  
ization of Natural Glycosides”  
Supervisor: Prof KAWABATA, Takeo  
25 March 13

YAMADA, Masako  
D Sc, Kyoto University  
“ToF-lens for Focusing Pulsed White Neutron Beam Using  
Permanent Magnet Sextupole with Modulation Capability”  
Supervisor: Assoc Prof IWASHITA, Yoshihisa  
23 January 2013