

# THESES

- ABE, Katsumasa  
D Agr, Kyoto University  
“Enzymatic Studies of Selenocysteyl-tRNA<sup>Sec</sup> Biosynthesis”  
Supervisor: Prof ESAKI, Nobuyoshi  
23 January 2008
- HAYASHI, Akito  
D Eng, Kyoto University  
“Studies of Late Transition Metal Complexes Bearing Phosphaalkene Ligands”  
Supervisor: Prof OZAWA, Fumiyuki  
24 March 2008
- INOUE, Rintaro  
D Eng, Kyoto University  
“Dynamics in Polymer Thin Films by Inelastic Neutron Scattering”  
Supervisor: Prof KANAYA, Toshiji  
24 March 2008
- ISOBE, Toru  
D Sc, Kyoto University  
“Synthesis of Polychalcogenoether Ligands Tethered with Bulky Substituents and Their Application to the Synthesis of Transition Metal Complexes”  
Supervisor: Prof TOKITOH, Norihiro  
24 March 2008
- KAWAMOTO, Jun  
D Agr, Kyoto University  
“Studies of Cold-Adaptation Mechanism of a Psychrotrophic Bacterium, *Shewanella livingstonensis* Ac10”  
Supervisor: Prof ESAKI, Nobuyoshi  
23 January 2008
- KURAHASHI, Kensuke  
D Sc, Kyoto University  
“Studies on the Extraction Separation System Utilizing the Specific Complex Formation Reaction of Metal Ions with Macrocyclic Legands”  
Supervisor: Assoc Prof UMETANI, Shigeo  
24 March 2008
- KUROKAWA, Suguru  
D Agr, Kyoto University  
“Biochemical Function of Mammalian Selenocysteine Lyase”  
Supervisor: Prof ESAKI, Nobuyoshi  
24 March 2008
- MATSUMOTO, Takeshi  
D Sc, Kyoto University  
“Elucidation of Electrochemical Properties of Kinetically Stabilized Sila-aromatic Compounds”  
Supervisor: Prof TOKITOH, Norihiro  
24 March 2008
- MIYAKE, Ryoma  
D Agr, Kyoto University  
“Construction of a Protein Expression System by Using a Cold-adapted Bacterium, *Shewanella livingstonensis* Ac10, as a Host”  
Supervisor: Prof ESAKI, Nobuyoshi  
23 January 2008
- MORIYAMA, Katsuhiko  
D Pharm Sc, Kyoto University  
“Metal Hydroxide-Promoted Asymmetric Alkylation via Memory of Chirality at Ambient Temperature”  
Supervisor: Prof KAWABATA, Takeo  
23 March 2008
- MOROOKA, Saiko  
D Sc, Kyoto University  
“Kinetics and Path Selection of Aldehyde Disproportionations and Carbon-Carbon Bond Formation in Super- and Subcritical Water”  
Supervisor: Prof NAKAHARA, Masaru  
24 March 2008
- MURAMATSU, Wataru  
D Pharm Sc, Kyoto University  
“Regioselective Acylation of Carbohydrates by Nucleophilic Catalysis”  
Supervisor: Prof KAWABATA, Takeo  
23 March 2008
- NAGAHORA, Noriyoshi  
D Sc, Kyoto University  
“Studies on the Construction of Novel  $\pi$ -Conjugated Materials Utilizing Unique Properties of Diphosphene Compounds”  
Supervisor: Prof TOKITOH, Norihiro  
24 March 2008
- NAKAGAWA, Yuichi  
D Agr, Kyoto University  
“Studies on Amide-Hydrolyzing Activities of *Pseudomonas aeruginosa* Lipase by Directed Evolution”  
Supervisor: Prof SAKATA, Kanzo and Assoc Prof HIRATAKE, Jun  
23 January 2008
- NAKATSUKA, Seiji  
D Sc, Kyoto University  
“Study on Physical Speciation of Trace Metals in Seawater and Their Interaction with Marine Ecosystem”  
Supervisor: SOHRIN, Yoshiki  
24 March 2008
- OGAWA, Hiroki  
D Eng, Kyoto University  
“Phase Separation and Dewetting in Polymer Blend thin Films”  
Supervisor: Prof KANAYA, Toshiji  
24 September 2008

TAKAISHI, Kazuto  
D Pharm Sc, Kyoto University  
“Synthesis and Optical Properties of Axially Homochiral Oligo-  
naphthalenes”  
Supervisor: Prof KAWABATA, Takeo  
23 March 2008

TAKEMOTO, Kazuhiro  
D Inf, Kyoto University  
“Analysis and Modeling of Biological Networks Based on Sta-  
tistical Mechanics”  
Supervisor: Prof AKUTSU, Tatsuya  
24 March 2008

TAKEUCHI, Toshihide  
D Pharm Sc, Kyoto University  
“Direct Translocation of Arginine-Rich Peptides through Plasma  
Membranes into Cells”  
Supervisor: Prof FUTAKI, Shiroh  
24 March 2008

TANABE, Mikio  
D Sc, Kyoto University  
“Longitudinal and Transverse Coupling of the Beam Temperature  
Caused by the Laser Cooling of  $^{24}\text{Mg}^{+}$ ”  
Supervisor: Prof NODA, Akira  
24 March 2008

YAN, Wei  
D Pharm Sc, Kyoto University  
“Design of Artificial 6-Zinc Finger Peptides: Linker Alteration  
and DNA Binding Specificity”  
Supervisor: Prof FUTAKI, Shiroh  
24 March 2008

YOSHIDA, Ken  
D Sc, Kyoto University  
“Translational Dynamics in Supercritical Water Studied by  
High-Temperature NMR and Molecular Dynamics Simulation”  
Supervisor: Prof NAKAHARA, Masaru  
24 March 2008