

THESES

KOKUSEN, Hisao
D Sc, Kyoto University
"Design of Novel Selective Complex Formation Systems Using Poly(pyrazolyl)borate Ligands"
Supervisor: Professor Matsui M
23 March 1995

HARA, Takane
D Agr, Kyoto University
"Active Site Architecture of *Escherichia coli* B Glutathione Synthetase Analyzed by X-Ray Crystallography and Site-Directed Mutagenesis"
Supervisor: Professor ODA J
24 November 1995

MATSUO, Yo
D Sc, Kyoto University
"Protein Structure Prediction by Evaluating Sequence-Structure Compatibility"
Supervisor: Professor Kanehisa M
23 January 1996

NAKAMATSU, Hirohide
D Sc, Kyoto University
"Relation between X-Ray Absorption Near-Edge Spectra and Interatomic Distances"
Supervisor: Professor Mukoyama T
23 January 1996

OHYASU, Hitoshi
D Pharm Sc, Kyoto University
"Certain of New Thamuria Therapeutic Agent Vamicamide"
Supervisor : Professor Sugiura Y
23 January 1996

MATSUMOTO, Takuyuki
D Pharm Sc, Kyoto University
"DNA and RNA Cleavages by Chromoprotein Antitumor Antibiotic C-1027"
Supervisor : Professor Sugiura Y
23 March 1996

FUJITA, Mikako
D Pharm Sc, Kyoto University
"Molecular Design of Artificial Ligands Targeted Zinc-Finger Proteins"
Supervisor : Professor Sugiura Y
23 March 1996

GUAN, Leluo
D Pharm Sc, Kyoto University
"Specific Guanine-Binding and -Cleavage of DNA and RNA by Bleomycin-Nickel(III) Complex"
Supervisor : Professor Sugiura Y
23 March 1996

KIRYU, Yoshimitsu
D Pharm Sc, Kyoto University
"Synthesis and Application of Enantiomeric Aziridine Used Enzymatic Reaction"
Supervisor : Professor Sugiura Y
23 March 1996

OGAWA, Izumi
D Sc, Kyoto University
"Development of an Experimental System for Dark

Matter Axion Search with Rydberg Atoms"
Supervisor: Professor Inoue M
23 March 1996

AOKI, Mikio
D Sci, Kyoto University
"Signal transduction pathways through reversible phosphorylation-dephosphorylation reactions in higher plants"
Supervisor: Professor A. Oka
23 March 1996

ONO Teruo
D Sc, Kyoto University
"Giant Magnetoresistance Effect of Co/ Cu/ NiFe/ Cu Metallic Multilayers Prepared on Microstructured Substrates"
Supervisor: Professor Shinjo T
23 March 1996

SUMIDA, Motoo
D Agr, Kyoto University
"New Protoporphyrinogen Oxidase Inhibitors and Their Herbicidal Function"
Supervisor: Professor Soda K
23 March 1996

KAWACHI Atsushi
D Eng, Kyoto University
"The Chemistry of Functionalized Silyl Anions"
Supervisor: Professor Tamao K
23 March 1996

SUN Guang-Ri
D Eng, Kyoto University
"Synthesis, Structure and Reactivity of Polyfunctionalized Oligomeric Silanes"
Supervisor: Professor Tamao K
23 March 1996

OHTA, Yoshihisa
D Pharm Sc, Institute for Chemical Research Kyoto University
"Studies on the Asymmetric Syntheses Using Chiral Phosphonate Reagents"
Supervisor: Prof. Kaoru Fuji
23 March, 1996

ASHIUCHI, Makoto
D Agr, Kyoto University
"Structure and Function of Glutamate Racemase"
Supervisor: Professor Soda K
23 March 1996

JHEE, Kwang-Hwan
D Agr, Kyoto University
"Stereochemical Studies of Aminotransferase Reactions"
Supervisor: Professor Soda K
23 March 1996

KUROKAWA, Youichi
D Agr, Kyoto University
"Structure and Function of Thermostable Alanine Racemase"
Supervisor: Professor Soda K
23 March 1996

- NAKAMURA, Takeshi
D Agr, Kyoto University
"Production and Conversion of Sulfur and Selenium-containing Amino Acids with Pyridoxal Enzymes"
Supervisor: Professor Soda K
23 March 1996
- ISHIGURO, Ryo
D Sc, Kyoto University
"Spectroscopic Study about Interaction of Membrane Fusion-Active Peptides with Lipid Bilayer"
Supervisor: Professor Takahashi S
23 May 1996
- MIYATAKE, Hideyuki
D Sc, Kyoto University
"Crystallographic Studies on Structure-Function Relationships of Alkaline Protease from *Pseudomonas aeruginosa* IFO3080"
Supervisor: Professor Takahashi S
23 May 1996
- KAWASAKI, Masashi
D Sci, Kyoto University
"Lipase-Catalyzed Transesterification of Aryl-Substituted Alkanols in Organic Solvents"
Supervisor: Professor Ohno A
23 July 1996
- TSUTSUMI, Akihiro
D Sci, Kyoto University
"Novel Atropisomeric NAD(P)H Model Compounds: Syntheses and Stereochemistry in the Reductions"
Supervisor: Professor Ohno A
23 July 1996
- KINOSHITA, Masamichi
D Sci, Kyoto University
"Solvent Effect on Stereoselectivity of Lipase-Catalyzed Reaction"
Supervisor: Professor Ohno A
23 July 1996
- SHIOJI, Kousei
D Sci, Kyoto University
"Studies on Reactivity of Cation Radicals Generated from Trivalent-Phosphorus Compounds"
Supervisor: Professor Ohno A
23 July 1996
- KATO, Masayuki
D Pharm Sc, Kyoto University
"Synthesis and Structure-Activity Relation of Serotonin-3 Receptor Antagonist"
Supervisor: Professor Sugiura Y
23 July 1996
- MATSUI, Michikage
D Eng, Kyoto University
"Structure and Properties of Polyester Fibers Produced by High-Speed Spinning"
Supervisor: Professor Miyamoto T
23 September 1996
- MURAKAMI, Syozo
D Eng, Kyoto University
"Structure Development in the Uniaxial-Drawing Process of Crystalline Polymers"
Supervisor: Professor Kohjiya S
25 November 1996
- ITAHANA, Koji
D Sci, Kyoto University
"Gap Junction and Oogenesis in Mammalian Ovarian Follicles"
Supervisor: Professor A. Oka
25 November 1996
- DEWA, Hideki
D Sc, Kyoto University
"Measurements of the Longitudinal Beam Emittance of the Proton Linac"
Supervisor: Professor Inoue M
25 November 1996
- KURODA, Akio
D Pharm Sc, Institute for Chemical Research Kyoto University
"Exploitation of Chemical Functions of Optically Active 1,1'-binaphthalene-8,8'-diol: Applications to Asymmetric Synthesis and Molecular Recognition"
Supervisor: Prof. Kaoru Fuji
25, November, 1996
- TANIGUCHI, Kiyoshi
D Pharm Sc, Institute for Chemical Research Kyoto University
"Synthetic and Structure-Activity Studies on the Cyclic Amines Possessing Inhibitory Activity against Bladder Contraction"
Supervisor: Prof. Kaoru Fuji
25, November, 1996
- MONDE Takashi
D Eng, Kyoto University
"Synthesis and Application of Branched-Polyfluoroalkylsilanes"
Supervisor: Professor Yoko T
12 December 1996
- TERASHIMA Kentaro
D Eng, Kyoto University
"Studies on Structure and Nonlinear Optical Properties of B₂O₃-Based Glasses"
Supervisor: Professor Yoko T
24 March 1997