

THESES

TSUJI, Shingo
D. Sc., Kyoto University
“Synthetic Studies on Aryl Anions Containing a Heavier Group
14 Element as a Skeletal Atom”
Supervisor: Assoc. Prof. MIZUHATA, Yoshiyuki
25 March 2024

HUANG, Guanglin
D. Eng., Kyoto University
“Synthesis and Properties of Open-Cage C₆₀ Derivatives Encap-
sulating Polar Molecules”
Supervisor: Prof. MURATA, Yasujiro
25 March 2024

SATO, Yukiya
D. Pharm. Sc., Kyoto University
Supervisor: Prof. OHMIYA, Hirohisa
25 March 2024

SHIBUTANI, Shotaro
D. Pharm. Sc., Kyoto University
Supervisor: Prof. OHMIYA, Hirohisa
25 March 2024

CHIGA, Yuki
D. Sc., Kyoto University
“Structural and Photofunctional Control of Gold Clusters Using
Organic Ligands”
Supervisor: Prof. TERANISHI, Toshiharu
23 January 2024

SO, Frederick Tze Kit
D. Eng., Kyoto University
“Development of Ultrasmall Diamond Sensors with Detonation
Nanodiamonds”
Supervisor: Prof. MIZUOCHI, Norikazu
25 March 2024

KOBAYASHI, Yuta
D. Sc., Kyoto University
“Study on Magnetotransport Properties of Chiral Antiferromagnets”
Supervisor: Prof. ONO, Teruo
25 March 2024

SINGH, Vaivhav Pal
D. Med. Sc., Kyoto University
“Chemoproteomic Identification of Spermidine-Binding Proteins
and Antitumor-Immunity Activators”
Supervisor: Prof. UESUGI, Motonari
24 September 2024

TOH, Kohei
D. Med. Sc., Kyoto University
“Chemoproteomic Identification of Blue-Light-Damaged Proteins”
Supervisor: Prof. UESUGI, Motonari
25 March 2024

KUSAKABE, Yu
D. Eng., Kyoto University
“Management of Excited States for Efficient Exciton-Photon
Conversion in Purely Organic Systems”
Supervisor: Prof. KAJI, Hironori
25 March 2024

UEKI, Ryuta
D. Sc., Kyoto University
“Marine Geochemistry of Zirconium, Niobium, Hafnium, and
Tantalum in the Subarctic North Pacific and Indian Oceans”
Supervisor: Prof. SOHRIN, Yoshiki
25 March 2024

ZHU, Mengshan
D. Agr., Kyoto University
“Identification and Characterization of Proteins Involved in Extra-
cellular Membrane Vesicle Production of *Shewanella vesiculosa*
HM13”
Supervisor: Prof. KURIHARA, Tatsuo
24 September 2024

LU, Siming
D. Eng., Kyoto University
“Iron-Catalyzed Suzuki-Miyaura Cross-Coupling Reactions
Toward Selective Synthesis of Alkynes and Allenes via Propargylic/
Allenyl Radical Species”
Supervisor: Prof. NAKAMURA, Masaharu
25 November 2024

CHO, Kenichi
D. Sc., Kyoto University
“Luminescence Fine Structure and Exciton-Phonon Interactions
in Single Halide Perovskite Nanocrystals”
Supervisor: Prof. KANEMITSU, Yoshihiko
25 March 2024

NAKAGAWA, Kotaro
D. Sc., Kyoto University
“Impact of Intraband Transitions in High Order Harmonic Genera-
tion from Solids”
Supervisor: Prof. KANEMITSU, Yoshihiko
25 March 2024

ZHANG, Zhenya
D. Sc., Kyoto University
“Nonlinear Coherent Spin Dynamics in Antiferromagnets Initiated
by Tesla-Class Terahertz Magnetic Fields”
Supervisor: Assoc. Prof. HIRORI, Hideki
24 September 2024

MENG, Lingjie
D. Sc., Kyoto University
“Unveiling the Global Diversity and Evolution of Giant Viruses
Through Ocean Metagenomics”
Supervisor: Prof. OGATA, Hiroyuki
25 March 2024

KANEKO, Hiroto
D. Sc., Kyoto University
“Application of Statistical Learning to Global-Scale Marine
Microbial Ecology”
Supervisor: Prof. OGATA, Hiroyuki
25 March 2024

BAN, Hiroki
D. Sc., Kyoto University
“Unveiling the Evolution and Ecology of Parmales Through Omics
Data”
Supervisor: Prof. OGATA, Hiroyuki
24 May 2024

SHIOTA, Koji
D. Inf., Kyoto University
“Machine Learning-Based Methods for Predicting the Most
Stable Conformation and Binding Affinity of Protein-Drug
Complexes”
Supervisor: Prof. AKUTSU, Tatsuya
24 September 2024