

THESES

TIAN, Wu
D. Sc., Kyoto University
“Synthesis of Pt-Based Ordered Alloy Nanoparticles for Efficient Electrocatalytic Oxygen Reduction Reaction”
Supervisor: Prof. TERANISHI, Toshiharu
25 March 2025

HAYASHI, Daiju
D. Sc., Kyoto University
“Research on Hybrid Magnons in Synthetic Antiferromagnets”
Supervisor: Prof. ONO, Teruo
24 March 2025

TAGA, Kotaro
D. Sc., Kyoto University
“Research on Phonon Angular Momentum Using Surface Acoustic Waves”
Supervisor: Prof. ONO, Teruo
24 March 2025

KOMIYAMA, Haruka
D. Sc., Kyoto University
“Electrical and Optical Measurements of Spin Wave and Elastic Wave Propagation Characteristics Localized on the Surface”
Supervisor: Prof. ONO, Teruo
24 March 2025

KAWARAZAKI, Ryo
D. Sc., Kyoto University
“Polarity Control of the Superconducting Diode Effect and Realization of Rectifying Devices in Artificial Superlattices with Broken Spatial Inversion Symmetry”
Supervisor: Prof. ONO, Teruo
24 March 2025

YE, Feifan
D. Sc., Kyoto University
“Study on Data Writing and Shifting in Nanopillars with Perpendicular Magnetic Anisotropy”
Supervisor: Prof. ONO, Teruo
24 March 2025

JANG, Heechan
D. Sc., Kyoto University
“Research on Novel Operation Methods for Three-Dimensional Magnetic Memory”
Supervisor: Prof. ONO, Teruo
24 March 2025

OTONARI, Kenko
D. Pharm. Sc., Kyoto University
“Development of Sequence-Specific RNA Demethylation Tools”
Supervisor: Prof. FUTAKI, Shiroh
24 March 2025

KURIYAMA, Msashi
D. Pharm. Sc., Kyoto University
“Study on Cellular Factors Affecting the Intracellular Uptake of Biomacromolecules”
Supervisor: Prof. FUTAKI, Shiroh
24 March 2025

MICHIBATA, Junya
D. Pharm. Sc., Kyoto University
“Coacervate Formation and Cytosolic Delivery of Antibodies Using Membrane-Lytic Peptide-Modified Polysaccharides”
Supervisor: Prof. FUTAKI, Shiroh
24 March 2025

ISHIDA, Toshiaki
D. Agr., Kyoto University
“Studies on the Mechanism of Gibberellin Deactivation in the Uppermost Internode of Rice”
Supervisor: Prof. YAMAGUCHI, Shinjiro
24 September 2025

HAGHIR, Shahrzad
D. Sc., Kyoto University
“The *Arabidopsis* Basic-Helix-Loop-Helix Transcription Factor LRL1 Activates Cell Wall-Related Genes during Root Hair Development”
Supervisor: Assoc. Prof. TSUGE, Tomohiko
23 May 2025

CHAN, Cheuk-Yin
D. Sc., Kyoto University
“Marine Geochemistry of Nine Trace Metals (Al, Mn, Fe, Co, Ni, Cu, Zn, Cd and Pb) in the Subarctic North Pacific Ocean”
Supervisor: Prof. SOHRIN, Yoshiki
24 March 2025

SUWANAWAT, Nittikarn
D. Agr., Kyoto University
“Biochemical Characteristics and Physiological Functions of Lysophosphatidic Acid Acyltransferases from *Escherichia coli* and *Thermus thermophilus*”
Supervisor: Prof. KURIHARA, Tatsuo
23 January 2025

TAN, Tiancheng
D. Sc., Kyoto University
“Quaternary Ammonium Fluoride Electrolytes for Fluoride Ion Batteries”
Supervisor: Prof. WAKAMIYA, Atsushi
24 March 2025

IHOSHI, Makoto
D. Sc., Kyoto University
“Successive Phase Transitions due to Mixed and Unusually High Valence Fe Ions”
Supervisor: Prof. SHIMAKAWA, Yuichi
24 March 2025

ISODA, Yosuke
D. Sc., Kyoto University
“Electrochemical Ion Insertion to and Extraction from Oxygen Deficient Perovskite Structure Metal-Oxide Thin Films and their Physical Properties”
Supervisor: Prof. SHIMAKAWA, Yuichi
24 March 2025

SHEN, Yufan
D. Sc., Kyoto University
“Polymorphs and Functional Properties of Crystalline Membranes
of Fluorite Oxides”
Supervisor: Prof. SHIMAKAWA, Yuichi
24 March 2025

XIE, Lingling
D. Sc., Kyoto University
“Investigations of Electrochemical Protonation in Brownmillerite-
Structured Strontium Cobaltite Epitaxial Films and their Property
Modulations”
Supervisor: Prof. SHIMAKAWA, Yuichi
24 September 2025

YANG, Qingwei
D. Sc., Kyoto University
“Multi-Omics Insight into the Function of Protists on the Biolog-
ical Carbon Pump”
Supervisor: Prof. OGATA, Hiroyuki
25 November 2025

LIU, Chunting
D. Inf., Kyoto University
“Enhancing Representation Learning for Biological Data Through
Tailored Feature Extractors”
Supervisor: Prof. AKUTSU, Tatsuya
23 July 2025