Xuhui Xu

Personal Details

Nationality: Chinese
Place of Birth: Shanghai, China
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Professional Summary

Status: PhD student.
Major: Physics.
Affiliations: Regular member (graduate student) of the Physical Society of Japan.
Research Topic: Solid-liquid Interface, Synchrotron X-ray Diffraction.
Scholarship: JASSO/MEXT Honors Scholarship 2022, Tohoku University Global Hagi Scholarship.
Taken Courses: Solid-state Physics, Quantum Mechanics, Electrodynamics, Statistical Mechanics and so on.
Languages: Mandarin (native), English (fluent), Japanese (conversational).

Education

Tohoku University, Sendai, Japan 2024 – Present

For *Doctor of Philosophy (Science)* in Physics, expected September, 2027.

Tohoku University, Sendai, Japan 2022 – 2024

Master of Science in Physics.

Shanghai University (SHU), Shanghai, China 2018 – 2022

Bachelor of Science in Applied Physics.

Key Skills Summary

- Synchrotron X-ray Experiment and Data Processing.
- Basic programming and LaTeX ; computer and numerical literacy.
- Building websites, packaging open source software and self-hosting package repository.
- Visualization software, image rendering and data plotting.

Presentation

ISSS-10 Kitakyushu, Japan Oct. 20th - 24th, 2024

Speaker

Xuhui Xu, Atsuro Fujisawa, Yuta Ishii, Hidekazu Shimotani, Yuta Inoue, Yuto Miyahara, Kohei Miyazaki, and Yusuke Wakabayashi, 'Structural Change Caused by an Electrochemical Treatment in (La,Sr)CoO_3 Film'. (2P78)

ISSS-10 Kitakyushu, Japan Oct. 20th - 24th, 2024

Coworker Speaker: Atsuro Fujisawa

Atsuro Fujisawa, Xuhui Xu, Yuta Ishii, Hidekazu Shimotani, Yuta Inoue, Yuto Miyahara, Kohei Miyazaki, and Yusuke Wakabayashi, 'Structure of (La,Sr)CoO_3 Ultra-thin Films as Oxygen Evolution Catalysts under Electrochemical Environments'. (2P77)

JPS2024 Sapporo, Japan Sept. 16th - 19th, 2024

Coworker Speaker: Atsuro Fujisawa

Atsuro Fujisawa, Xuhui Xu, Yuta Ishii, Hidekazu Shimotani, Yuta Inoue, Yuto Miyahara, Kohei Miyazaki, and Yusuke Wakabayashi, '酸素発生触媒 (La,Sr)CoO_3 超薄膜の構造の電位依存性'. (16aE302-13)

JPS2024 Sapporo, Japan Sept. 16th - 19th, 2024

Speaker

Xuhui Xu, Atsuro Fujisawa, Yuta Ishii, Hidekazu Shimotani, Yuta Inoue, Yuto Miyahara, Kohei Miyazaki, and Yusuke Wakabayashi, 'Structure Change Caused by an Electrochemical Potential in (La,Sr)CoO_3 Film'. (16aE302-12)

SXNS17 Grenoble, France July 15th - 18th, 2024

Coworker Speaker: Yusuke Wakabayashi

Yusuke Wakabayashi, Atsuro Fujisawa, Xuhui Xu, Yuta Ishii, Hidekazu Shimotani, Yuta Inoue, Yuto Miyahara, and Kohei Miyazaki, 'Surface structure of (La,Sr)CoO_3 film under Electrochemical conditions'.

JSR2024 Himeji, Japan Jan. 10th - 12th, 2024

Speaker

Xuhui Xu, Atsuro Fujisawa, Yuta Ishii, Hidekazu Shimotani, Yuta Inoue, Yuto Miyahara, Kohei Miyazaki, and Yusuke Wakabayashi, 'Structural Investigation of an Oxygen Evolution Catalyst $La_{1-x}Sr_xCoO_3$ film'. (11P-42S)

JPS2023 Sendai, Japan Sept. 16th - 19th, 2023

Coworker Speaker: Atsuro Fujisawa

Atsuro Fujisawa, Xuhui Xu, Yuta Ishii, Hidekazu Shimotani, Yuta Inoue, Yuto Miyahara, Kohei Miyazaki, and Yusuke Wakabayashi, '電気化学環境下での酸素発生触媒 (La,Sr)CoO_3 超薄膜の構造'. (19aB102-9)

Suggested Referees

Professor Yusuke Wakabayashi,
(Current Supervisor)
Graduate School of Science, Tohoku University,
Sendai, Japan.
wakabayashi@tohoku.ac.jp

Professor Wei Ren,
(Undergraduate Supervisor)
College of Science, Shanghai University,
Shanghai, China.
renwei@shu.edu.cn