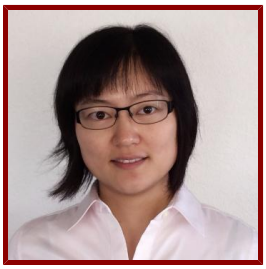
Stanford



Yu Lin

Staff Scientist, Energy Sciences

Bio

BIO

Dr. Lin is a staff scientist at SLAC National Accelerator Laboratory and a PI at the Stanford Institute for Materials and Energy Sciences (SIMES) at SLAC. Her research centers on utilizing a suite of in situ probes, particularly X-ray tools, to understand the behavior of complex materials under extreme conditions. These materials find applications in a wide range of technologies essential for a sustainable energy future. Recently, integrating artificial intelligence tools has become one of her new research endeavors, further advancing the study.

INSTITUTE AFFILIATIONS

- Associate Staff Scientist, Stanford Institute for Materials and Energy Sciences

HONORS AND AWARDS

- Van Valkenburg Award, Research at High Pressure Gordon Research Conference (2024)
- Young Researcher Award, 10th Asian Conference on High Pressure Research (2021)
- J. C. Jamieson Award, Research at High Pressure Gordon Research Conference (2014)

EDUCATION AND CERTIFICATIONS

- Ph.D., Stanford University , Geological and Environmental Sciences (2013)
- M.S., Stanford University , Materials Science and Engineering (2011)
- B.S., Nanjing University , Geochemistry (2007)

Professional

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

- Staff Scientist, Stanford Institute for Materials and Energy Sciences, SLAC National Accelerator Laboratory (2019 - present)
- Associate Staff Scientist, Stanford Institute for Materials and Energy Sciences, SLAC National Accelerator Laboratory (2016 - 2019)
- Postdoctoral Scholar, Department of Chemistry, Stanford University (2014 - 2015)
- Postdoctoral Scholar, Department of Geological Sciences, Stanford University (2013 - 2015)