



Kuan-Yu Lin

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Education:

- PhD (2016/2~2021/2) Chemical Engineering, National Taiwan University of Science & Technology (NTUST), Taiwan
- B.S. (2012/9~2016/1) Chemical Engineering, National Taiwan University of Science & Technology (NTUST), Taiwan

Experience:

- Postdoctoral Research Fellow (2025/9~2026/1) Miin Wu School of Computing, National Cheng Kung University (NCKU), Taiwan
- Postdoctoral Research Fellow (2023/9~2025/8) Department of Chemical Engineering, Stanford University, USA
- Visting Postdoctoral Researcher (2022/4~2023/7) Quantum Materials Simulation Group, National Institute for Materials Science (NIMS), Japan
- Postdoctoral Research Fellow (2021/3~2023/7) Department of Chemical Engineering, National Taiwan University of Science & Technology (NTUST), Taiwan

Selective Honors & Awards:

1. NCKU Regulations on the Recruitment of Elite Talent (2026)
2. Taiwan Science and Technology Hub Fellowship (2023)
3. New Partnership Program for the Connection to the Top Labs in the World supported by the Ministry of Science and Technology (MOST), Taiwan (2021)
4. Exchange program supported by Japan-Taiwan Exchange Association (2020)

Research Areas:

Molecular Modeling, Lithium Metal Battery, Zinc Aqueous Battery, and Interfacial Phenomena

Selective Publications:

1. "Double-Layer Design Enables Independent Kinetic Modulation in CO₂ Electrolysis", *ACS Energy Letters*, 11.1 (2025), 726-732.
2. "Electrochemical formation of bis(fluorosulfonyl)imide-derived solid-electrolyte interphase at

Li-metal potential", *Nature Chemistry*, 17.2 (2025), 246-255.