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Education:

PhD (2001/9~2006/1)	Department of Materials Science and Engineering, National Tsing Hua University, Taiwan
M.S. (2000/2-2001/6)	Department of Materials Science and Engineering, National Tsing Hua University, Taiwan
B.S. (1995/9~1999/6)	Department of Chemistry, National Tsing Hua University, Taiwan

Experience:

2017 Visiting professor at the Department of Chemical Engineering and Materials Science, University of California, Irvine, USA.

Selective Honors & Awards:

1. 2014~2022 Outstanding Research Award of NCU.
2. 2023~present Distinguished Professor Award of NCU

Research Areas:

Fuel cells, hydrogen production, and electrochemical CO_2 reduction catalysts.

Selective Publications:

1. Enhanced CO_2 electrochemical reduction performance over Cu@AuCu catalysts at high noble metal utilization efficiency. Nano Lett. 21 (2021) 9293-9300.
2. Stable Pd–Cu hydride catalyst for efficient hydrogen evolution. Nano Lett. 22 (2022) 1391-1397.
3. Probing the roles of indium oxides on copper catalysts for enhanced selectivity during CO_2-to-CO electrochemical reduction. Nano Lett. 23 (2023) 2262-2268.
4. The sub-nanometer In_2O clusters on Ag nanoparticles with highly selective electrochemical CO_2 reduction to formate. Chem. Eng. J. 481 (2024) 148295.
5. Surface SnO_2 Decoration: An economical and efficient alternative to Pt shells in Pt-Co catalysts for enhanced oxygen reduction reaction. Chem. Eng. J. 511 (2025) 161971.