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Education:

PhD (2019/02~2023/11) Department of Chemistry, National Taiwan Normal University, Taiwan

M.S. (2015/09~2019/01) Department of Chemistry, National Taiwan Normal University, Taiwan B.S.

(2011/09~2015/06) Department of Chemistry, National Taiwan Normal University, Taiwan

Experience:

Postdoc (2023/12~2024/07) Department of Chemical and Materials Engineering, Chinese Culture University, Taiwan

Research Areas:

Computational design of energy materials and electrocatalysts

High-entropy materials for catalytic and energy applications

Selective Publications:

1. "The roles of various Fe–Cu bimetallic nanoclusters in controlling the C2 selectivity for the CO reduction reaction – a DFT study" *Phys. Chem. Chem. Phys.*, 2025, 27, 4234.
2. "Modulating the Catalytic Selectivity for Urea Production in CO₂ and N₂ Reduction Reaction through Cu₁₉@Ru₆₀ Core/Shell Nanoparticle: A DFT Study", *J. Phys. Chem. C* 2024, 128, 12093–12100.
3. "The Use of Plate-type Electric Force Field for the Explicit Simulations of Electrochemical CO Dimerization on Cu(111) Surface", *Chem Phys* 2023, 568, 111821.