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Education:

PhD (2000/9~2005/10) Chemical Engineering, National Cheng Kung University, Tainan, Taiwan

B.S. (1996/9~2000/6) Chemical Engineering, Tam Kang University, Taipei, Taiwan

Experience:

Visiting Research Fellow (2004/3~2005/3) Chemistry and Biochemistry Department, University of Texas at Austin, USA

Postdoc (2005/11~2007/6) Chemical Engineering, National Cheng Kung University, Taiwan

Assistant Professor (2007/8~2011/1) Chemical Engineering, Feng Chia University, Taiwan

Associate Professor (2011/2~2016/7) Chemical Engineering, Feng Chia University, Taiwan

Department Head (2020/8~2023/7) Chemical Engineering, Feng Chia University, Taiwan

Professor (2016/8~) Chemical Engineering, Feng Chia University, Taiwan

Research Areas:

Electrocatalysts, Photocatalysts, Electrochemical sensors, Applications of scanning electrochemical microscopy

Selective Publications:

1. “Tuning annealing temperature to improve the sensing performance of single-walled carbon nanohorn-modified electrodes for simultaneous detection of ascorbic acid, dopamine, and uric Acid”, *J. Taiwan Inst. Chem. Engrs.*, 175 (2025), 106296.
2. “Identification of the Optimal Ratio for Formic Acid Oxidation in Pd-Sn-Ir Catalyst Arrays”, *Energy Fuels*, 39 (2025), 9943-9955.
3. “MWCNT/Ga_{0.3}(In_{0.2}Cd_{0.8})_{0.7}S Photocatalysts with Enhanced Hydrogen Evolution Activity for Water-Splitting”, *J. Electrochem. Soc.*, 172 (2025) 056505.
4. “Graphene-Multi-Walled Carbon Nanotubes Modified Glassy Carbon Electrode for Simultaneous Detection of Ascorbic Acid, Dopamine, and Uric Acid”, *ACS omega*, 10 (2025) 8160-8171.
5. “Screening of Pd-Co-Ni catalyst arrays by scanning electrochemical microscopy and characterization of the potential catalyst for formic acid oxidation”, *J. Taiwan Inst. Chem. Engrs.*, 162 (2024), 105617.