



Kun-Han Lin

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Education:

2016-2020	PhD	Chemistry and Chemical Engineering, EPFL, Switzerland
2013-2015	M.S.	Materials Science and Engineering, National Taiwan University, Taiwan
2008-2012	B.S.	Materials Science and Engineering, National Taiwan University, Taiwan

Experience:

2022-present	Assistant Professor, Department of Chemical Engineering, National Tsing Hua University, Taiwan
2020-2022	Post-doctoral researcher, Max Planck Institute for Polymer Research, Germany

Selective Honors & Awards:

1. Emerging Young Scholars (2030 新秀學者計畫), NSTC, Taiwan (2023-2027)
2. Max Planck Partner Group, MPG, Germany (2023-2028)
3. Early Postdoc.Mobility Fellowship, Swiss National Science Foundation (2020-2022)

Research Areas:

Multiscale simulations, materials and molecular design, charge and energy transport in organic semiconductors, electrocatalysis and photocatalysis

Selective Publications:

1. C.-F. Lu, **K.-H. Lin***, Y.-J. Cheng* et al., “Side-Chain-Modulated Charge Transport Polarity in Curved Ortho-Benzodipyrrole-Based Acceptors for High-Performance Organic Photovoltaics and Transistors”. *Chem. Mater.*, 2025, 37, 8901.
2. T.-F. Huang, K.-J. Lin, **K.-H. Lin***, H.-H. Chou* et al., “Flexible, nonfused sulfone functionalized polymer with enhanced active site access for photocatalytic sacrificial hydrogen evolution”. *Sci. Adv.*, 2025, 11, eadx1629.
3. W.-C. Lin, **K.-H. Lin***, U.-S. Jeng*, S.-D. Yang*, H.-H. Chou* et al., “Optimally Miscible Polymer Bulk-Heterojunction-Particles for Nonsurfactant Photocatalytic Hydrogen Evolution”, *J. Am. Chem. Soc.*, 2025, 147, 2537.
4. S.-C. Lin, **K.-H. Lin***, T.-H. Yang* et al., Decreasing the O₂-to-H₂O₂ Kinetic Energy Barrier on Dilute Binary Alloy Surfaces with Controlled Configurations of Isolated Active Atoms, *Adv. Funct. Mater.*, 2024, 34, 2314281.
5. X. Wu, **K.-H. Lin***, P. J. Dyson* et al., “Controlling the selectivity of the hydrogenolysis of

polyamides catalysed by ceria-supported metal nanoparticles”, *Nat. Commun.*, 2023, 14, 6524.