

Tzu-Ho Wu

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Education

- 2011 – 2016 Ph.D. National Tsing Hua University (Chemical Engineering)
The University of Liverpool (Chemistry)
2007 – 2011 B.S. National Tsing Hua University (Chemical Engineering)

Professional Career

- 2022.8 – Present Associate Professor, Department of Chemical & Materials Engineering,
National Yunlin University of Science and Technology
2019.08 – 2022.07 Assistant Professor, Department of Chemical & Materials Engineering,
National Yunlin University of Science and Technology
2018.06 – 2019.06 Postdoctoral Researcher, Chemical & Biomolecular Engineering, Georgia Institute
of Technology

Selected Publications

1. Wu, T.H.*, Li, T.K., Guo, L.J.. “Efficient Structural and Compositional Modulation of Vanadium Oxides for High-Areal-Capacity Zinc-Ion Batteries”, *J. Power Sources*, 623 (2024), 235503.
2. Wu, T.H.*, Hou, B.W., Lee, Y.Y., Tsai, M.C., Liao, C.C., Chang, C.C. “Simultaneously Boosting Direct and Indirect Urea Oxidation of Nickel Hydroxide via Strategic Yttrium Doping”, *ACS Appl. Mater. Interfaces*, 16 (2024) 50937–50947.
3. Wu, T.H.*, Qiu, Z.T., Hsieh, C.N., Chen, Z.T., Wang, T.W., Liu, P.L., Lee, R.H.* “An organic–inorganic heterojunction electrocatalyst for highly efficient urea oxidation”, *J. Mater. Chem. A*, 12 (2024) 25186-25192.
4. Wu, T.H.*, Su, J.H., “Controlling Crystal Structures of Vanadium Oxides via pH Regulation and Decoupling Crystallographic Perspective on Zinc Storage Behaviors”, *Acta Mater.*, 245 (2023), 118663.

Research Interests

1. Energy storage and conversion materials
2. Operando Raman microscopy

Awards

1. Young Scholar Award, the Taiwanese Colloid and Interface Society 中華民國界面科學學會優秀年輕學者獎 (2024)
2. Young Scholar Award 雲科大年輕世代教師精進獎(2023)
3. Research Achievement Award 雲科大學術研發績優獎(2022)
4. Excellent Teacher Award 雲科大雲鐸獎優良教師與教學優良教師(2021)