

Che-Ning Yeh

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Education

- 2012 – 2018 Ph. D. Northwestern University (Materials Science and Engineering)
- 2009 – 2012 M.S. National Tsing Hua University (Materials Science and Engineering)
- 2005 – 2009 B. S. National Tsing Hua University (Materials Science and Engineering)

Professional Career

- 2021.09 – Present Assistant Professor, Department of Materials Science and Engineering
National Tsing Hua University
- 2018.11 – 2021.08 Post-doctoral researcher, Stanford University, USA
- 2011.08 – 2012.06 Visiting researcher, University of California, Berkeley, USA

Selected Publications

1. Y-P. Chan, C-S. Huang, C-Y. Lai, Y-C. Chen, D. Chang, Y-W. Chuang, K-F. Tu, and C-N. Yeh*. "A bimetallic 2D NiFe MOF/N-doped reduced graphene oxide as a bifunctional oxygen catalyst for rechargeable zinc-air batteries." *Applied Surface Science* (2025): 162720.
2. C-N. Yeh, H. Huang, A. T. O. Lim, R-H. Jhang, C-H. Chen, and J. Huang*. "Binder-free graphene oxide doughs." *Nature communications* 10.1 (2019): 422.
3. C-N. Yeh, K. Raidongia, J. Shao, Q-H. Yang, and J. Huang*. "On the origin of the stability of graphene oxide membranes in water." *Nature chemistry* 7.2 (2015): 166-170.

Research Interests

1. Fast Charging of Lithium-ion Batteries
2. Electrodes and Solid-state Electrolytes for Lithium Batteries and Zinc Batteries
3. Reaction Mechanisms and Materials Design for Electrochemical Storage Devices

Awards

1. Ministry of Science and Technology, Taiwan 「2030 Cross-Generation Young Scholars Program - Emerging Young Scholar」
2. Ministry of Education, Taiwan 「Yushan Young Scholar」
3. Stanford University 「TomKat Center Postdoctoral Fellowship in Sustainable Energy」
4. Materials Research Society 「MRS Graduate Student Gold Award」