

Wen-Yueh Yu

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Education

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|-------------|--------|--|
| 2009 – 2015 | Ph. D. | University of Texas at Austin (Chemical Engineering) |
| 2002 – 2004 | M. S. | National Taiwan University (Chemical Engineering) |
| 1998 – 2002 | B. S. | National Taiwan University (Chemical Engineering) |

Professional Career

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|-------------------|--|--|
| 2017.08 - Present | Associate Professor, Assistant Professor | Department of Chemical Engineering, National Taiwan University, Taiwan |
| 2015.10 - 2017.06 | Postdoctoral Research Associate, Professor Chih-Jen Shih group | Institute of Chemical and Bioengineering, ETH Zurich, Switzerland |
| 2009.06 - 2015.08 | Graduate Research Student, Professor C. Buddie Mullins group | Department of Chemical Engineering, University of Texas at Austin, USA |

Selected Publications

1. C. H. Chen, A. S. Rasal,* J. Y. Chang, and W. Y. Yu,* Unlocking the catalytic potential of tungsten carbide coordinated with 3d transition metals in oxygen electrochemistry, *Chem. Eng. J.* 2024, 497, 154145.
2. Z. Yang, M. M. Lin, X. Lu, J. Tay, W. Y. Yu,* Y. Zhu, H. Chang, and Y. Xia,* Enhanced catalytic activity of H₂ heat-treated porous ceria for direct conversion of carbon dioxide into dimethyl carbonate *Chem. Eng. J.* 2024, 486, 150339.
3. A. S. Rasal,* H. M. Chen,* and W. Y. Yu,* Electronic structure engineering of electrocatalyst for efficient urea oxidation reaction *Nano Energy* 2024, 121, 109183.

Research Interests

1. Heterogeneous Catalysis and Reaction Engineering
2. Surface Science and Spectroscopy Characterizations
3. Nanostructured Functional Materials
4. Alternative Energy Technologies

Awards

1. Chemical Engineering Excellence Award, Taiwan Institute of Chemical Engineers (2020, 2024)
2. Aspiration Award in Excellent Academic Performance, National Taiwan University (2024)
3. Dissertation Advisor Award, National Taiwan University (2023)
4. Young Investigator Award, Taipei International Conference on Catalysis (2022)
5. Outstanding Teaching Award, National Taiwan University (2021, 2023)
6. Best Paper Award, Catalysis Society of Taiwan (2021)