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Education

- 2003 – 2009 Ph. D. Iowa state university, USA (Chemistry)
1997 – 1999 M. S. National Tsing Hua University, Taiwan (Chemistry)
1993 – 1997 B. S. National Tsing Hua University, Taiwan (Chemistry)

Professional Career

- 2024.01 – Present Adjunct Associate Professor, Dpt. of Chemistry, National Taiwan University, Taipei, Taiwan
2023.08 – Present Joint Associate Professor, Dpt. of Chemistry, National Sun Yat-sen University, Taiwan
2023.03 – Present Associate Research Fellow, Institute of Chemistry, Academia Sinica, Taiwan
2015.07 – 2023.02 Assistant Research Fellow, Institute of Chemistry, Academia Sinica, Taiwan
2014.07 – 2015.06 Associate Research Scientist, Energy Bioscience Institute, Dpt. of Chemical & Biomolecular Engineering, UC Berkeley, USA

Selected Publications

1. Kumar, R.; Lee, H.-H.; Chen, E.; Du, Y.-P.; Lin, C.-Y.; Prasanseang, W.; Solos, T.; Choojun, K.; Sooknoi, T.; Xie, R.-K.; Lee, J.-F.; **Chung, P.-W.*** “Facile Synthesis of the Atomically Dispersed Hydrotalcite Oxide Supported Copper Catalysts for the Selective Hydrogenation of 5-Hydroxymethylfurfural into 2,5-Bis(Hydroxymethyl)Furan” *Applied Catalysis B: Environmental* **2023**, 329, 122547.
2. Kumar, R.; Li, C.-C.; Wu, C.-H.; Tzeng, T.-W.; Tzou, D.-L. M.; Lin, Y.-C.*; **Chung, P.-W.*** “Silica-Supported Nanoscale Hydrotalcite-Derived Oxides for C4 Chemicals from Ethanol Condensation” *ACS Appl. Nano Mater.* **2022**, 5 (6), 7885–7895.
3. Hsu, H.-Y.; Ou, J.-T.; Cheng, T.-T.; Lin, H.-Y.; Lin, C.-Y.; Chen, J.; Sun, B.; **Chung, P.-W.***; Wang, C.-L.* “Connecting Molecular and Supramolecular Shapeshifting by the Ostwald’s Nucleation Stages of a Star Giant Molecule” *J. Am. Chem. Soc.* **2022**, 144 (21), 9390–9398.
4. Tzeng, T.-W.; Lin, C.-Y.; Pao, C.-W.; Chen, J.-L.; Nuguid, R. J. G.; **Chung, P.-W.*** “Understanding Catalytic Hydrogenolysis of 5-Hydroxymethylfurfural (HMF) to 2,5-Dimethylfuran (DMF) Using Carbon Supported Ru Catalysts” *Fuel Process. Technol.* **2020**, 199, 106225.

Research Interests

1. Rational design of heterogenous catalyst
2. Biomass conversion for biobased chemicals

Awards

1. 2023 Everlight Thesis Award in Green Chemistry
2. 2023 Significant Research Achievement, Institute of Chemistry, Academia Sinica