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Education:

Ph.D. (2007~2012) Department of Chemical Engineering, National Taiwan University, Taiwan.

M.S. (2004~2006) Department of Chemical Engineering, National Taiwan University, Taiwan.

B.S. (2000~2004) Department of Chemical Engineering, National Taiwan University, Taiwan.

Experience:

(2024~present) Associate Professor, Department of Engineering Science, National Cheng Kung University.

(2022~2024) Assistant Professor, Department of Engineering Science, National Cheng Kung University.

(2020~2022) Associate Professor, Department of Chemical and Materials Engineering, National Kaohsiung University of Science and Technology.

(2017~2020) Assistant Professor, Department of Chemical and Materials Engineering, National Kaohsiung University of Science and Technology.

(2015~2017) Ph.D. Engineer, Environmental Bioengineering & Chemical Analysis Section, New Materials Research & Development Dept., China Steel Corporation.

(2013~2015) Principal Engineer, Exp. Interconnection Module Department, Integrated Interconnection & Packaging Division, Taiwan Semiconductor Manufacturing Company.

Research Areas:

Photocatalysis, Catalysis, Nanomaterials, Metal-Organic Frameworks, Radiative Cooling Materials

Selected Publications:

1. Hsiao Y.C., Lin D.S., Wang T.Y., Chen M.W., Huang C.W.* “Enhanced Photocatalytic Degradation of VOCs using MOFs-derived Nitrogen-doped TiO₂ in a Fluidized Bed Reactor”, *Journal of the Taiwan Institute of Chemical Engineers*, in press 2025, 106358.
2. Huang T.Y., Wang T.Y., Lin D.S., Huang C.W.* “Eco-friendly Radiative Cooling Coatings using Bio-waste-derived Fillers and Porous PLA Matrix”, *Journal of Environmental Chemical Engineering*, 2025(13), 117985.