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Doctor of Philosophy

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Education:

Ph.D. (1999/9~2003/6) Chemical Engineering, National Taiwan University, Taiwan

M.S. (1997/9~1999/6) Chemical Engineering, National Cheng Kung University, Taiwan

B.S. (1993/9~1997/6) Chemical Engineering, National Taiwan University, Taiwan

Experience:

(2023/8~ Present) Professor and Department Chair, Dept. of Chemical Engineering, FCU, Taiwan

(2021/1~Presnet) Secretary General, Catalysis Society of Taiwan

(2018/8~2023/7) Director, Professional Master's Program of Intelligent Manufacturing and Engineering Management, FCU, Taiwan

(2017/8~2023/7) Associate Professor, Dept. of Chemical Engineering, FCU, Taiwan

(2013/2~2017/7) Assistant Professor, Dept. of Chemical Engineering, FCU, Taiwan

(2009/8~2013/1) Assistant Professor, Dept. of Chemical and Materials Engineering, NCUT, Taiwan

(2004/12~2009/4) Guest Researcher, National Institute of Standards and Technology, Maryland, USA

Selective Honors & Awards:

Teachers with Excellent Teaching Performance (2018), Feng Chia University

Excellent Mentor (2015), Feng Chia University

Research Areas:

Photocatalysis and Catalyst; CO₂ Conversion; Polyimide Composites

Selective Publications:

1. "Tailoring Copper Chemical Status and Hydrophobicity of Biomimetically Photocatalytic Films for Carbon Dioxide Conversion", *ACS Applied Materials & Interfaces*, (2023) 15 (4), 5038-5048.
2. "Polyimide-derived Graphite Barrier Layer Adhered to Seed Crystals to Improve the Quality of Grown Silicon Carbide" *RSC Advances*, (2022), 12 (31), 19695-19702.
3. "Sugarcane Bagasse Supported Graphitic Carbon Nitride for Photocatalytic Conversion of Carbon Dioxide", *Catalysis Communications*, (2022), 164, 106431.
4. "Bio-friendly Titania-grafted Chitosan Film with Biomimetic Surface Structure for Photocatalytic Application", *Carbohydrate Polymers*, (2020), 230, 115584.
5. "Photocatalytic Conversion of Gas Phase Carbon Dioxide by Graphitic Carbon Nitride Decorated

with Cuprous Oxide with Various Morphologies”, *J. of CO₂ Utilization*, (2018), 26, 511-521.