

Kevin C.-W. WU

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Education

2001-2005 Ph.D., Dept. of Mater. Sci. Eng., The University of Tokyo, Tokyo, Japan

1994-2000 B.S. & M.S., Dept. of Agri. Chem., National Taiwan University, Taipei, Taiwan

Professional Career

2023-present: Jointly Appointed Distinguished Investigator & Director, Institute of Biomedical Engineering & Nanomedicine (IBEN), National Health Research Institutes (NHRI), Taiwan.

2022-present: Distinguished Professor, Department of Chemical Engineering, National Taiwan University (NTU), Taiwan.

2018-present: Jointly Appointed Professor, Molecular Science & Technology, NTU.

2016-present: Professor, Department of Chemical Engineering, NTU.

2010-present: Jointly Appointed Investigator, NHRI, Taiwan.

2019-2021: Director, Division of Strategic Planning, Office of Research and Development, NTU.

2014-2016: Secretary General, Taiwan Institute of Chemical Engineers.

2013-2016: Vice Chair, Center of Strategic Materials, Alliance for Research and Technology (SMART), NTU.

2012-2016: Associate Professor, Department of Chemical Engineering, NTU.

2008-2012: Assistant Professor, Department of Chemical Engineering, NTU.

2006-2008: Post-doctoral Researcher, Department of Chemistry, Iowa State University, USA.

2005-2006: Post-doctoral Researcher, Department of Applied Chemistry, Waseda University, Tokyo, Japan.

Selected Publications

1. Thermochemical conversion of plastic waste into fuels, chemicals, and value-added materials: A critical review and outlooks. *ChemSusChem*. 2022.
2. Heterogeneous Metal Azolate Framework-6 (MAF-6) Catalysts with High Zinc Density for Enhanced Polyethylene terephthalate (PET) Conversion. *ACS Sustainable Chemistry & Engineering*. 2021. 9, 19, 6541-6550.
3. Diels-Alder Conversion of Acrylic Acid and 2,5-Dimethylfuran to para-Xylene over Heterogeneous Bi-BTC Metal-Organic Framework (MOF) Catalysts under Mild Conditions. *Angewandte Chemie International Edition*. 2021. 60, 624-629. **Very Important Paper.**

Research Interests

1. Structural Design of Functional Nanoporous Materials for Biomedical Applications
2. Synthesis and Functionalization of Mesoporous Inorganic and Organic Nanocomposites
3. Nanoporous Metal-Organic Frameworks (MOFs) for Biomedical Applications
4. Development of Nanoporous Biomaterial Platforms

Awards

1. 2015: Wu Da-Yu Award, Ministry of Science and Technology (MOST), Taiwan.
2. 2018: Humboldt scholars, Research Fellowship for Experienced Researchers from Alexander von Humboldt Foundation, Germany, 2018-2020.
3. 2018 & 2020: Outstanding Research Award, Ministry of Science and Technology, Taiwan.
4. 2020, 2021, 2022, 2023: Clarivate Highly Cited Researchers (Cross-fields)