

## Chia-Her Lin

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### Education

1998 – 2002 Ph. D. Department of Chemistry, National Tsing Hua University

1996 – 1998 M. S. Department of Chemistry, National Chung Hsing University

### Professional Career

2024.08– Present Professor, Department of Chemistry, National Tsing Hua University

2019.08 – 2024.07 Professor, Department of Chemistry, National Taiwan Normal University

2006.08 – 2019.07 Assistant/Associate/Professor, Department of Chemistry, Chung Yuan Christian University

### Selected Publications

1. Sivasankar Kulandaivel, Chun-Chuen Yang,\* Yi-Chun Yeh, and **Chia-Her Lin\*** (2024, Apr). Defect Induced Structural Transition and Lipase Immobilization in Mesoporous Aluminum Metal-Organic Frameworks. *Chem. Eur. J.*, **2024**, 30, e202400603.
2. Sivasankar Kulandaivel, Hsin-Tsung Chen,\* **Chia-Her Lin\*** and Yi-Chun Yeh\* (2023, Jul). Exploring the potential of iron-based metal–organic frameworks as peroxidase nanozymes for glucose detection with various secondary building units. *Journal of Materials Chemistry B*, **2023**, 11, 10362-10368.
3. Kulandaivel, S.; **Lin, C. H.**; Yeh, Y. C. The bi-metallic MOF-919 (Fe–Cu) nanozyme capable of bifunctional enzyme-mimicking catalytic activity. *Chem. Commun.*, **2022**, 58, 569–572
4. Sheng-Han Lo, Liang Feng, Kui Tan, Zhehao Huang, Shuai Yuan, Kun-Yu Wang, Bing-Han Li, Wan-Ling Liu, Gregory S. Day, Songsheng Tao, Chun-Chuen Yang, Tzuoo-Tsair Luo, **Chia-Her Lin\***, Sue-Lein Wang\*, Simon J. L. Billinge, Kuang-Lieh Lu\*, Yves J. Chabal\*, Xiaodong Zou and Hong-Cai Zhou\* (2020, Jan). Rapid desolvation-triggered domino lattice rearrangement in a metal–organic framework. *Nature Chemistry*, **2020**, volume 12, pages90–97.

### Research Interests

1. Synthesis and Structural Control of Novel MOF.
2. Pore Engineering and Multifunctional Applications of MOF
3. MOF applications in healthcare, environmental remediation, and clean energy

### Awards

1. 2014 Outstanding Research Award, Chung Yuan Christian University