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<http://www.cuhk.edu.hk/chem/en/people/academic/ycm/index.html>

Education:

1985 Ph.D. in Chemistry, University of Idaho, USA

Experience:

2012-22 Head of United College, The Chinese University of Hong Kong

2015-21 Choh-Ming Li Professor of Chemistry, The Chinese University of Hong Kong

2021- Emeritus Professor, The Chinese University of Hong Kong

2023- Foreign Expert, Fuzhou University

2009-23 Associate Editor, *Journal of Nanoparticle Research*

Honors & Awards:

2005 State Natural Science Award, People's Republic of China

2016-21 Highly Cited Researcher

2025 Research.com Best Chemistry Scientists in China (ranked 170 in the world)

Research Areas:

Development of nano-structured catalysts

Environmental and energy applications of photocatalysis

Selected Publications:

1. Lejing Li, Zhuofeng Hu, Yongqiang Kang, Shiyu Cao, Liangpang Xu, Luo Yu, Lizhi Zhang, Jimmy C. Yu, "Electrochemical Generation of Hydrogen Peroxide from a Zinc Gallium Oxide Anode with Dual Active Sites," *Nature Communications* **2023**, *14*, 1890.
2. Zhanyou Xu, Ruihu Lu, Zih-Yi Lin, Weixing Wu, Hsin-Jung Tsai, Qian Lu, Yuguang C. Li, Sung-Fu Hung, Chunshan Song, Jimmy C. Yu, Ziyun Wang, Ying Wang, "Electroreduction of CO₂ to Methane with Triazole Molecular Catalysts," *Nature Energy* **2024**, *9*, 1397–1406.
3. Yingzhang Shi, Peng Li, Huiling Chen, Zhiwen Wang, Yujie Song, Yu Tang, Sen Lin, Zhiyang Yu, Ling Wu, Jimmy C. Yu, Xianzhi Fu, "Photocatalytic Toluene Oxidation with Nickel-Mediated Cascaded Active Units over Ni/Bi₂WO₆ Monolayers," *Nature Communications* **2024**, *15*, 4641.
4. Guangri Jia, Fusai Sun, Tao Zhou, Ying Wang, Xiaoqiang Cui, Zhengxiao Guo, Fengtao Fan, Jimmy C. Yu, "Charge Redistribution of a Spatially Differentiated Ferroelectric Bi₄Ti₃O₁₂ Single Crystal for Photocatalytic Overall Water Splitting," *Nature Communications* **2024**, *15*, 4746.
5. Baoying Yang, Kunlong Liu, Shengyang Zhong, Meirong Huang, Yidong Hou, Masakazu Anpo, Jinshui Zhang, Jian-Jie Ma, Yi-Yu Chen, Sung-Fu Hung, Jimmy C. Yu, Xinchun Wang, "Photo-enhanced Spillover Hydrogenation over Semiconductor-Supported Pd Nanocatalysts," *Nature Catalysis* **2026**, in press.