

Professor Kang Zhenhui

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Academic Qualification:

- Ph.D. in Inorganic Chemistry, Northeast Normal University, 2005
- B.S. in Applied Chemistry, Northeast Normal University, 1999

Teaching Area

Catalytic Chemistry

Research Area

- Catalytic applications of carbon nanomaterials
- Biological applications of carbon nanomaterials

Working Experience

- 01/2021- now: Professor, Macau University of Science and Technology, Macau, China,
- 07/2006 01/2009: Research Fellow, Center of Super-Diamond and Advanced Films (COSDAF) and Department of Physics and Materials Science, City University of Hong Kong, Hong Kong SAR.
- 06/2008 now: Professor, Institute of Functional Nano & Soft Materials (FUNSOM), Soochow University, Suzhou, China.

Academic Publication (selected)

- Qingyao Wu, Jingjing Cao, Xiao Wang, Yan Liu, Yajie Zhao, Hui Wang, Yang Liu, Hui Huang, Fan Liao, Mingwang Shao, Zhenghui Kang -free photocatalyst for highly efficient
Nat. Commun. 12: 483 (2021).
- Naiyun Liu, Mumei Han, Yue Sun, Cheng Zhu, Yunjie Zhou, Yalin Zhang, Hui Huang, Vladimir Kremnican, Yang Liu, Yeshayahu Lifshitz, Zhenhui Kang -C₃N₄ based photoelectrochemical cell using O₂/H₂
Energy & Environmental Science 11: 1841 (2018).

- Sijie Guo, Siqi Zhao, Xiuqin Wu, Hao Li, Yunjie Zhou, Cheng Zhu, Nianjun Yang, Xin Jiang, Jin Gao, Liang Bai, Yang Liu, Yeshayahu Lifshitz, Shuitong Lee, Zhenhui Kang TiO_2 -CDots- C_3N_4 three component electrocatalyst design concept for efficient and tunable CO_2 reduction to *Nat Commun.* 8: 1828 (2017).
- Cheng Zhu, Yijun Fu, Changan Liu, Yang Liu, Lulu Hu, Juan Liu, Igor Bello, Hao Li, Naiyun Liu, Sijie Guo, Hui Huang, Yeshayahu Lifshitz, Shuitong Lee, Zhenhui Kang Inducing Healing/Self- *Adv. Mater.* 29: 1701399 (2017).
- Juan Liu, Yang Liu, Naiyun Liu, Yuzhi Han, Xing Zhang, Hui Huang, Yeshayahu Lifshitz, Shuitong Lee, Jun Zhong, Zhenhui Kang "Metal-free efficient photocatalyst for stable visible water splitting via a two-electron pathway", *Science* 347: 970 (2015).

Professional Society Membership

- Fellow, The Royal Society of Chemistry