

**Name:** Xiaoting Hong

**Academic Qualifications:**

B.Eng., Environmental Engineering, Wuhan University of Science and Technology, 2002

M.Eng., Environmental Engineering, Shanghai Jiao Tong University, 2005

RA, Environmental Engineering, The Hong Kong Polytechnic University, 2005

Ph.D., Chemical Engineering, University of Louisville, 2009

Postdoc, Chemistry, Texas A&M University and Temple University, 2010

**Present Academic Position:**

Associate Professor, Department of Chemistry, Zhejiang Sci-Tech University, Hang Zhou

**Previous Relevant Research work:**

Dr. Hong has a track record on environmental electrochemistry, surface chemistry, supercapacitors, and photocatalysis. He has solid experience in investigating the effects of preparation techniques on the basic material properties by using various material characterization techniques. He has managed more than 6 research projects as Principal Investigator with a total research grant of RMB 1.00 Million since he a faculty member in 2010.

**Selected Publications:**

1. Dongni Sun, **Xiaoting Hong\***, Zhonghua Cui, Yingying Du, K.S. Hui, Enhao Zhu, Keming Wu, K.N. Hui, Treatment of Landfill Leachate Using Magnetically Attracted Zero-valent Iron Powder Electrode under an Electric Field, *Journal of Hazardous Materials*, Article 121768, **2020**.
2. Dongni Sun, **Xiaoting Hong\***, Keming Wu, K.S. Hui, Yingying Du, K.N. Hui, Simultaneous Removal of Ammonia and Phosphate by Electro-oxidation and Electrocoagulation Using RuO<sub>2</sub>-IrO<sub>2</sub>/Ti and Microscale Zero-valent Iron Composite Electrode, *Water Research*, 169, Article 115239, **2020**.
3. **Xiaoting Hong\***, Enhao Zhu, Zhuoliang Ye, K.S. Hui, K. N. Hui, Enhanced Phosphate Removal under an Electric Field via Multiple Mechanisms on MgAl-LDHs/AC Composite Electrode, *Journal of Electroanalytical Chemistry*, 836, 16-23, **2019**.
4. Enhao Zhu, **Xiaoting Hong\***, Zhuoliang Ye, K.S. Hui, K. N. Hui, Influence of various experimental parameters on the capacitive removal of phosphate from aqueous solutions using LDHs/AC composite electrodes, *Separation and Purification Technology*, 215, 454-462, **2019**.
5. **Xiaoting Hong\***, Chengran Fang, K.S. Hui, K.N. Hui, Haifeng Zhuang, Wanpeng Liu, Shengdao Shan\*, Influence of interfering anions on Cu<sup>2+</sup> and Zn<sup>2+</sup> ions removal on chestnut outer shell-derived hydrochars in aqueous solution, *RSC Advances*, 7, 51199-51205, **2017**.
6. Mingyue Mo, Hongyu Chen, **Xiaoting Hong\***, K. S. Hui, Chengcong Ye, Ke Lai, Hydrothermal synthesis of reduced graphene oxide-LiNi<sub>0.5</sub>Mn<sub>1.5</sub>O<sub>4</sub> composites as 5 V cathode materials for Li-ion batteries, *Journal of Materials Science*, 52(5), 2858-2867, **2017**.
7. **Xiaoting Hong\***, Min Li, Shengdao Shan, K.S. Hui, Mingyue Mo\*, Xiaoli Yuan, Chloride ion-driven transformation from Ag<sub>3</sub>PO<sub>4</sub> to AgCl on the hydroxyapatite support and its dual antibacterial effect against E. coli under visible light irradiation, *Environmental Science and Pollution Research*, 23(13), 13458-13466, **2016**.
8. **Xiaoting Hong**, K.S. Hui\*, Zhi Zeng, K.N. Hui\*, Luojiang Zhang, Mingyue Mo, Min Li, Hierarchical nitrogen-doped porous carbon with high surface area derived from endothelium corneum gigeriae galli for high-performance supercapacitor, *Electrochimica Acta*, 130, 464-469, **2014**.
9. Xiaohui Wu, **Xiaoting Hong\***, Zhiping Luo, **K.S. Hui**, Hongyu Chen, Junwen Wu, K.N. Hui, Laisheng Li, Qiuyun Zhang, Junmin Nan, The effects of surface modification on the supercapacitive behaviors of novel mesoporous carbon derived from rod-like hydroxyapatite template, *Electrochimica Acta*, 89, 400-406, **2013**.
10. Xiaohui Wu, **Xiaoting Hong\***, Junmin Nan, Zhiping Luo, Qiuyun Zhang, Laisheng Li, Hongyu Chen, Electrochemical double-layer capacitor performance of novel carbons derived from SAPO zeolite templates, *Microporous and Mesoporous Materials*, 160, 25-31, **2012**.