



## Yanfeng Yue PhD

Assistant Professor of Chemistry  
Department of Biology, Geology, and Physical Science  
Sul Ross State University  
Phone: 432-837-8217  
Email: yanfeng.yue@sulross.edu  
Office: WSB-217  
Mail address: Box C-64, East Highway 90, Alpine, TX 79832

### Education and Research Experiences:

Peking University, Ph.D in Inorganic Chemistry, 2008  
University of Liverpool, United Kingdom, Postdoc research fellow, 2008-2009  
University of Texas at San Antonio, Postdoc research fellow, 2010-2011  
Oak Ridge National Laboratory, Postdoc research fellow, 2011-2015

### Lectures:

General Chemistry I & II, Inorganic Chemistry I & II, Analytical chemistry I & II.

### Research Interests --- Functional Nanoporous Materials

- Nanoporous electrode materials for Li-ion battery.
- Mesoporous metal oxides and sulfides for catalysis.
- Microporous carbon fiber fabrication using electrospinning.
- Mesoporous adsorbents for heavy metal ions adsorption.
- Hierarchical porous metal-organic hybrids for large molecules adsorption.

### Selected Publications

- (1) **Yanfeng Yue**, Pasquale F. Fulvio and Sheng Dai, "Hierarchical Metal-Organic Framework Hybrids: Perturbation-Assisted Nanofusion Synthesis", *Acc. Chem. Res.*, **2015**, *48*, 3044.
- (2) **Yanfeng Yue**, Zhiyong Zhang, Andrew J. Binder, Jihua Chen, Xianbo Jin, Steven H. Overbury and Sheng Dai, "Hierarchically Superstructured Prussian Blue Analogues: Spontaneous Assembly Synthesis and Applications as Pseudocapacitive Materials", *ChemSusChem*, **2015**, *8*, 177.

- (3) **Yanfeng Yue**, Yunchao Li, Zhonghe Bi, Gabriel M. Veith, Craig A. Bridges, Bingkun Guo, Jihua Chen, David R. Mullins, Sumedh P. Surwade, Shannon M. Mahurin, Hongjun Liu, M. Parans Paranthaman and Sheng Dai, “A POM–Organic Framework Anode for Li-Ion Battery”, *J. Mater. Chem. A*, **2015**, *3*, 22989.
- (4) **Yanfeng Yue**, Jeremy A. Rabone, Hongjun Liu, Shannon M. Mahurin, Man-Rong Li, Hailong Wang, Zhengliang Lu, Banglin Chen, Jihang Wang, Youxing Fang, and Sheng Dai, “A Flexible Metal–Organic Framework: Guest Molecules Controlled Dynamic Gas Adsorption”, *J. Phys. Chem. C*, **2015**, *119*, 9442.
- (5) **Yanfeng Yue**, Andrew J. Binder, Bingkun Guo, Zhiyong Zhang, Zhen-An Qiao, Chengcheng Tian and Sheng Dai, “Mesoporous Prussian Blue Analogues: Template-Free Synthesis and Na-Ion Battery Applications”, *Angew. Chem. Int. Ed.*, **2014**, *53*, 3134.
- (6) **Yanfeng Yue**, Richard T. Mayes, Jungseung Kim, Pasquale F. Fulvio, Xiao-Guang Sun, Costas Tsouris, Jihua Chen, Suree Brown and Sheng Dai, “Seawater Uranium Sorbents: Preparation from Mesoporous Copolymer Initiator Based on Atom Transfer Radical Polymerization”, *Angew. Chem. Int. Ed.*, **2013**, *52*, 13458.
- (7) **Yanfeng Yue**, Zhen-An Qiao, Pasquale F. Fulvio, Andrew J. Binder, Chengcheng Tian, Jihua Chen, Kimberly M. Nelson, Xiang Zhu and Sheng Dai, “Template-Free Synthesis of Hierarchical Porous Metal–Organic Frameworks”, *J. Am. Chem. Soc.*, **2013**, *135*, 9572.
- (8) Yuanjing Cui, **Yanfeng Yue**, Guodong Qian and Banglin Chen, “Luminescent Functional Metal–Organic Frameworks”, *Chem. Rev.*, **2012**, *112*, 1126.
- (9) Yuanjing Cui, Hui Xu, **Yanfeng Yue**, Zhiyong Guo, Jiancan Yu, Zhenxia Chen, Junkuo Gao, Yu Yang, Guodong Qian, Banglin Chen, “A Luminescent Mixed-Lanthanide Metal–Organic Framework Thermometer”, *J. Am. Chem. Soc.*, **2012**, *134*, 3979.
- (10) J. Rabone, **Yan-Feng Yue**, S. Y. Chong, K. C. Stylianou, J. Bacsá, D. Bradshaw, G. R. Darling, N. G. Berry, Y. Z. Khimiyak, A. Y. Ganin, P. Wiper, J. B. Claridge, M. J. Rosseinsky, “An Adaptable Peptide-Based Porous Material”, *Science*, **2010**, *329*, 1053.