



## Education

- **Polytechnique Montreal, Montreal, QC, Canada** (2014-)  
*Ph.D. Student, Department of Chemical Engineering*
  
- **Institute of Process Engineering, Chinese Academy of Sciences, Beijing, China** (2007)  
*M.Sc. Degree, Department of Chemical Engineering*  
Thesis: "Surface Coating Materials of Metallic Interconnects for Solid Oxide Fuel Cells"
  
- **China University of Mining and Technology (Beijing), Beijing, China** (2004)  
*B.Sc. Degree, Department of Chemical Engineering and Technology*

## Research Interests

- Electrochemical functional materials
- Fluidization technology and its applications
- Carbon Coating
- Mineral Processing

## Work Experience

- **State Key Laboratory of Multiphase Complex Systems**      Research Assistant      2007-2013  
Institute of Process Engineering, Chinese Academy of Sciences,  
Beijing, China

## Research Background

- Developing a pilot plant for producing vanadium trioxide via fluidized beds.
- Developing a pilot plant of fluidization magnetizing roasting.
- Investigating the oxidation and reduction of the ilmenite via fluidized beds.
- Designing medium-scale fluidized bed pilot plants in Lab

## Journal Publications

- Tao, L; Zhu Q; Xie, Zhao; Xin, X; Zhang, T; Jin, T; "Performance of YCMO Coating Material for Metallic Interconnects of Intermediate Temperature SOFCs"; *Chin. J. Chem. Eng.*, 2007,7,1040-1044
- Wang, Y; Zhu, Q; Tao, L, "Controlled-synthesis of NiS hierarchical hollow microspheres with different building blocks and their application in lithium batteries"; *J. Mater. Chem.*, 2011,21, 9248-9254
- Wang, Y; Zhu, Q; Tao, L, "Fabrication and growth mechanism of hierarchical porous Fe<sub>3</sub>O<sub>4</sub> hollow sub-microspheres and their magnetic properties"; *CrystEngComm*, 2011,13, 4652-4657
- Zhang, H; Zhu, Q; Wang Y, Zhang, C; Tao, L; "Low-cost synthesis of hollow Cu<sub>2</sub>O octahedra with more than one shell", *Materials Letters*, 2007,61 23-24