

Tianchi Zhang

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Education:

Laval University, Department of Chemistry	(PhD)	2016-by now
Yangzhou University, Department of Chemistry and Chemical Engineering	(Master)	2013-2016
Nanjing University of Science & Technology (Taizhou)	(Bachelor)	2009-2013

Research Experience:

Professor Peter Mcbreen's Group 2016.9-by now
Surface chemistry research by using various analytical techniques

Associate Professor Zeng Yongping's Group 2013.9-2016.6

During the postgraduate study, I mainly carry on the catalyst materials research on the catalysis of 2-(1-Cyclohexenyl)cyclohexanone (CHCH) to o-phenylphenol (OPP).

- 2013.10-2014.9, research high dispersivity of hydrotalcite structure and prepared Cu/Mg/Al catalyst. This research work was published in Appl.Clay.Sci.
- 2014.10-2015.4, introduced Zr in Cu/Mg/Al catalyst and found out Zr content can influence Cu nanoparticles size and optional Cu particles size in the catalyze reaction. This research was published in RSC Advances.
- 2015.3-by now, introduced Cu nanoparticles induct into the CNTs channel in order to prevent Cu particles growth. This research obtained science and technology innovation foundation for graduates.

Extra Research:

- In May 2015, I guided a sophomore student and succeeded help her applied science and technology innovation foundation for the university students.
Until now, I have learned to use many instruments, such as TEM,XRD,SEM,TPR,TPD,FT-IR,TG, and known the theory such as EDS, XPS and BET.

Hobbies:

- All kinds of sports, especially riding, running, swimming and took part in several marathons such as Yangzhou international half marothon and Wuxi international marathon.

Publications:

- Yongping Zeng, Tianchi Zhang, Yueyang Xu, Ting Ye, Rongrong Wang, Zhenwei Yang, ZheHua Jia, Shengui Ju, Cu/Mg/Al Hydrotalcite-Like Hydroxide Catalysts for O-Phenylphenol Synthesis, Appl.Clay.Sci, 126, 207-214, 2016.

- Yongping Zeng, Tianchi Zhang, Yueyang Xu, Peili Hu , Ting Ye,Zhehua Jia, Shengui Ju, The Effect of Zr on Catalytic Performance of Cu/Mg/Al Catalysts Prepared via Hydrotalcite-like Precursors for O-Phenylphenol Synthesis, RSC Advances, 6, 6737-6746, 2016.