

Xiaodan Zhang

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Education:

- Fall 2009- present: **Georgia Institute of Technology, Atlanta, GA**
Doctor candidate in Polymer Science and Technology
Expected Graduate Date: Fall 2014
Supervisor: Dr. Yulin Deng
Overall GPA: 3.63/4.00
- Fall 2005- Fall 2009: **Beijing University of Chemical Technology, Beijing, China**
Bachelor of engineering in polymer science and engineering
Overall GPA: 3.7/4.00

Research Experience:

- Spring 2011-Present **Paper Electronics**
 - Chemically modify cellulose nanofibrils to make electrically functional materials(like a p-n junction)
 - Prepare conductive papers
 - Basic understanding of solar cells
- Spring 2010-Spring 2011 **Melt-spinning of Cellulose Nanocrystals/ Polypropylene(PP) fibers**
 - Prepare cellulose nanocrystals by hydrolysis of soft wood pulp.
 - Improve the compatibility between hydrophobic PP and hydrophilic nanocrystals.
 - Overcome the poor high-temperature resistance of cellulose nanocrystals
 - Make high-strength fibers
- Fall 2007- Spring 2009 **Study of Polyimide/Nano Graphene(NGP) Plates Composite film**
 - Study the morphology, mechanical properties and conductivity of polyimide/NGP composites.

Experience:

- Summer 2010 Teaching Assistant on Polymer Science at Georgia Institute of Technology, Atlanta, GA
- Summer 2008 Internship in Beijing Yanshan Petrochemical CO., Ltd. of Sinopec Group, Beijing, China

Language:

English/ Mandarin

Awards/ Honors:

- Spring 2010-Fall 2014 Paper Science fellowship
- Oct. 2006-July 2008 Outstanding Student of Beijing University of Chemical Technology
- Sep. 2008 People's Fellowship
- Sep. 2007 Pass of National computer rank Examination