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EDUCATION BACKGROUND

09/2009~ Present Department of Chemistry and Biochemistry, Florida State University, USA

✧ Material Chemistry, **PhD Candidate**

09/2006~ 07/2009 State Key Lab of Supramolecular Structure and Materials, Jilin University, China

✧ Physical Chemistry, **Master of Science**

09/2002 ~ 07/2006 College of Chemistry Science, Jilin University, China

✧ Macromolecular Material and Engineering, **Bachelor of Engineering**

RESEARCH EXPERIENCE

09/2009 ~ Present Research on quantum dots and dopamine redox conjugates.

05/2008 ~ 06/2009 Research on Förster Resonance Energy Transfer (FRET) in block copolymer.

11/2005 ~ 04/2008 Research on self-assembly of block copolymer and the effects of parameters.

04/2003 ~ 06/2004 Undergraduate research related to monodispersed silica microspheres.

AWARDS AND HONORS

- Jilin University Prize, Second Class scholarship
- Excellent Student Prize, Jilin University
- Chemistry (Base) Prize, College of Chemistry Science, Jilin University

PUBLICATIONS

- ◆ **X. Ji**, G. Pauli, H. Na, H. Mattoussi*
“Understanding Charge Transfer Interactions in Quantum Dot-Dopamine Redox Complexes”
Poster Presentation on Material Research Society 2011 Fall Meeting, Boston
- ◆ P. Xu, **X. Ji**, J. L. Qi, H. M. Yang, W. T. Zheng, V. Abetz, S. M. Jiang*
“Patterned Carbon Nanotubes Fabricated by the Combination of Microcontact Printing and Diblock Copolymer Micelles”
Journal of Nanoscience and Nanotechnology, 10, 508–513 (2010)
- ◆ P. Xu, **X. Ji**, H. M. Yang, J. L. Qi, W. T. Zheng, V. Abetz, S. M. Jiang*
“Controllable fabrication of carbon nanotubes on catalysts derived from PS-b-P2VP block copolymer template and in situ synthesis of carbon nanotubes/Au nanoparticles composite materials”
Materials Chemistry and Physics, 119, 249–253 (2010)
- ◆ P. Xu, **X. Ji**, V. Abetz, S.M. Jiang*, J.C. Shen,
“Tunable Morphologies of Rhenium Complex-containing Polystyrene-block-poly(2-vinylpyridine) Aggregates”
Journal of Polymer Science, Part B: Polymer Physics, Vol. 46, 2047 (2008)
- ◆ P. Xu, **X. Ji**, J.C. Shen, S.M. Jiang,
“Novel preparation of triblock copolymer-stabilized CdS nanoparticles and morphological transformation with the polymer aggregates”, Peng Xu, **Xin Ji**, Jiacong Shen, Shimei Jiang*”
The 12th International Conference on Organized Molecular Films, July, 2007, Poland, Mo-P-44