

Yushin Park

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Summary: I am a graduate student in Chemistry Department at University of Houston. My project involves nanoparticles synthesis, and thiophene dendrimers synthesis

Education:

MS Feb, 2003
Department of chemistry
Yonsei University (Korea)

BS, Feb 2001
Department of chemistry
Yonsei University (Korea)

Experiences:

Mar 2001-Present Research Assistant at Center for Supramolecular Nano-assembly
Department of chemistry, Yonsei University

■ **Topic:**

- Synthesis of CdSe nanoparticles
- Synthesis of dendrimers
- Energy transfer studying

■ **Techniques:**

- ^1H , ^{13}C NMR
- UV, FTIR
- GPC

■ **Materials:**

- CdSe nanoparticles
- Thiophene dendrimers
- Coronene with thiophene dendrimers

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Publication: J. Holzmueller, K. L. Genson, **Y. Park**, Y.-S. Yoo, M.-H. Park, M. Lee and V. Tsukruk Amphiphilic Treelike Rods at Interfaces: Layered Stems and Circular Aggregation. *Langmuir* **2005**, *21*, 6392

Presentation:

Oct 2002 Presenting “Synthesis of self-assembling molecules containing acids and bases decorated tails and hexabenzocoronene cores” at Korean Chemical Society, Kyongsan, Korea.

Mar 2005 Presenting “Direct Grafting of Thiophene Dendrons from Nanoparticle Surfaces” at American Chemical Society, San Diego, CA

Mar 2005 Presenting “Investigating the Direct Synthesis of CdSe Nanoparticles in Dendron Boxes”, “Synthesis and Fabrication of Ultrathin Hybrid Semiconductor Films by Alternate Layer-by-layer Deposition of Diphosphonic acid-terminated Oligothiophenes and CdS Nanoclusters” at American Chemical Society, Atlanta, GA