

Resume

Personal information

Name: Fujun Liu
Citizenship: China
Gender: Male
Date of birth: Aug. 9th, 1983
Place of birth: Hebei, China
Marital Status: Married
Education: Master Degree of Engineering, Zhengzhou University of Light Industry
Major: Material Science
Address: School of Material and Chemical Engineering, Zhengzhou University of Light Industry, 5th Dongfeng Road, Zhengzhou, Henan, 450002, China
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English Skill

Good at writing and reading English, Passed CET-4.(College English Test Band Six)

Computer Skill

Can manipulate computer proficiently and master Microsoft Office software, also be familiar with Jade, Photoshop and Origin, etc.

Education Background

2006.9-2009.7

School of Material and Chemical Engineering, Zhengzhou University of Light Industry, Master of Engineering

Master's Dissertation:

Preparation and Characterization of Magnetic Fe₃O₄@polymer Microsphere

2002.9-2006.7

Department of Chemistry, Hebei University, Bachelor of Science

Dissertation:

Synthesis of Y₂O₃:Eu³⁺ Phosphor with Long Afterglow

Teaching Experience

Experiment of Polymer Chemistry 2008.2-2008.7

Techniques

IR	Characterization of compounds
SEM	Characterization of surface image of nanoparticles
TEM	Characterization of Morphology of nanoparticles
AFM	Characterization of Morphology of nanoparticles
XRD	Characterization of orientation and crystal of macromolecules
GPC	Characterization of molecule weight of polymer
TGA	Characterization of thermal properties of polymers
DMA	Dynamic mechanical properties analysis

DSC Characterization of thermal properties of polymers
TG Characterization of thermal properties of polymers
Polymer synthesis/inorganic synthesis/hybrid synthesis

Research Interests

1. Polymer synthesis
2. Inorganic synthesis
3. Preparation and characterization of nanoparticles
4. Preparation and characterization of nanocomposite, especially with core/shell structure

Research Experience

Undergraduate:

Synthesis of $Y_2O_3:Eu^{3+}$ Phosphor with Long Afterglow

Graduate:

1. Synthesis of Fe_3O_4 nanoparticles without stabilizing agent
2. Biocompatible Material of Fe_3O_4 /Starch
3. Synthesis of Fe_3O_4 @Chitosan with core/shell structure
4. In-situ deposition of Pd on the surface of Fe_3O_4 @Chitosan to obtain reusable catalyst, and characterization of its catalytic performance

Recent Publications

1. Rui Song*, **Fujun Liu**, Linghao He. Effect of natural starch layer on the crystallinity of magnetite nanoparticles. *J. Nanopart. Res.* (2008) (Accepted). [IF=2.3]
2. Rui Song*, **Fujun Liu**, Linghao He. Novel Starch/Chitosan Blending Membrane: Antibacterial, Permeable and Mechanical Properties. *J. Appl Polym. Sci.* (2008) (Revised). [IF=1.0]
3. **Fujun Liu**, Linghao He, Rui Song*. Novel pH-sensitive lactic acid oligomer grafted chitosan hydrogel for drug controlled release. *Carbohydr. Polym.* (To be submitted). [IF=1.78]
4. **Fujun Liu**, Bing Qin, Linghao He, Rui Song*. Fe_3O_4 @chitosan with core-shell structure by novel double-crosslinking process. *Langmuir.* (with editor). [IF=4.0]

Correspondence to my supervisor

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