

I. PERSONAL INFORMATION

Name: **Gen Chen**

Master student of Materials Science in Central South University

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II. OBJECTIVE

Ph.D. degree

III. EDUCATION

❖ 09/2005-06/2009 B. E. **Major:** Inorganic Non-Metallic Materials Science and Engineering, Central South University, China

❖ 09/2009- Present M.S. Working on Controllable synthesis, structure, properties and application of rare earth inorganic luminescent nanomaterials. **Major:** Materials Science, Central South University, China

IV. RESEARCH EXPERIENCE

❖ 9/2007-9/2009 **Research Assistant, Dr. Liu's Group, Central South University**

Project:

1. Synthesis and characterization of nano-ferrite (Fe_3O_4) with hollow sphere structures and sound magnetic properties.

❖ 09/2009-present **Researcher, Ass. Prof. Liu's Group, Central South University**

Project:

1. Controllable synthesis, structure, properties and application of rare earth inorganic luminescent nanomaterials.

2. Controllable synthesis and properties of transition-metal sulfides nanomaterials via biomolecule-assisted solvothermal routes.

3. Synthesis, structure, properties of new type inorganic nano/microspheres with core/shell structure.

V. RESEARCH INTERESTS

❖ Synthesis and properties of one-dimensional nanomaterials by CVD.

❖ Controllable synthesis and properties of metal chalcogenides nanomaterials via wet-chemical routes.

❖ Synthesis and optical properties of rare-earth oxides nanomaterials.

❖ Preparation and structure analysis of transition-metal oxides and hydroxides by microwave-assisted route.

VI. ACADEMIC HONORS AND AWARDS

❖ 2005-2009 **Major (once), Minor (once), Third-class (twice) award** of Central South University

❖ 2006-2007 **Excellent League Member** of Central South University

❖ 2007-2008 **Outstanding Students** of Central South University

Curriculum Vitae / Gen Chen

(Top 5% of all the students in Central South University)

❖ **2007-2009 Excellent Party Member** of Central South University

(Top 2% of all the full Party members in Central South University)

❖ **2009 Outstanding graduate** of Central South University

(Top 5% of undergraduates in Central South University)

❖ **2009-2011 Excellent Party Member** of Central South University

(Top 2% of all the full Party members in Central South University)

❖ **2011 BYD Scholarship** for graduate students

(Top 2% of graduates in Central South University)

VII. INSTRUMENTS OPERATION

❖ JEOL JEM 200CX Transmission Electron Microscope

❖ Philips XL30 S-FEG Scanning Electron Microscope

❖ FEI Quanta 200 Environmental Scanning Electron Microscope

❖ Spectrum of Shanghai SP-756P, Ultraviolet Spectrophotometer

❖ NETZSCH STA449C Jupiter TG/DTA/DSC Thermogravimetric Analyzer

VIII. PUBLICATIONS

[1] **Gen Chen**, Huifen Zhou, Wei Ma, Dan Zhang, Guanzhou Qiu, Xiaohe Liu, Microwave-assisted synthesis and electrochemical properties of urchin-like CuO microcrystals, *Solid State Sciences*, 2011, 13, 2137-2141..

[2] **Gen Chen**, Huifen Zhou, Xiaohe Liu, Synthesis and characterization of flower-like CuO microspheres via microwave-assisted solution-based process, *The 7th National Conference on Functional Materials and Applications*, Vols 1-3 2010, 2243-2246.

[3] **Gen Chen**, Wei Ma, Dan Zhang, Xiaohe Liu, Shape evolution and electrochemical properties of cobalt sulfide via a biomolecule-assisted solvothermal route, *Solid State Sciences*, 2011, under review.

[4] Yongbo Li, **Gen Chen**, Q. Li, G. Qiu, X. Liu, Facile synthesis, magnetic and microwave absorption properties of Fe₃O₄/polypyrrole core/shell nanocomposite, *Journal of Alloys and Compounds*, 2010, 4104-4107.

IX. SELF-ASSESSMENT & EXPECTATION

To be an energetic and optimistic graduate with good communication skills and creative mind, I am sure I can work efficiently in a multicultural atmosphere. I wish I could work as a scientist for long and make some discoveries to serve the humankind and the world.

X. TEST SCORES

GPA: **83.3/100** (B.E.) **86.3/100** (M.S.) TOEFL: (Remain to be verified) GRE: **1030/4.0**

XI. COMPUTER SKILLS

Familiar with many computer skills with scientific research and work, including: **Photoshop, Endnote, Microsoft Office Serial Software, Origin, MDI Jade, Digital Micrograph** and et al.