

## Junbing Yang, Ph.D.

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### Professional Experience

- **2004-Present.** Argonne National Laboratory
  - **2007-Present.** Chemical Sciences & Engineering Division, Assistant Chemist
  - **2004 to 2007.** Chemical Sciences & Engineering Division, Postdoctoral Appointee
- **2003-2004.** University of Akron, Department of Polymer Engineering, Postdoctoral Research Associate
- **2002-2003.** Postdoctoral Research Fellow at INRS - Energy, Materials and Telecommunications in Canada
- **2000-2002.** Postdoctoral Research Associate at Tsinghua University, Department of Materials Sciences & Engineering, China

### Research Experience

- Carbon nanotube synthesis, modification, and micro-fabrications
- Nanoparticles synthesis
- Synthesis and pore structure control of porous materials
- Nanomaterials for fuel cell applications
- Nanostructured polymer and carbon for hydrogen storage
- Synthesis and test Tribenzohexazatriphenylenes based nanoporous polymer as hydrogen storage materials for transportation application
- Carbon nanotubes and carbon aerogels for supercapacitor applications
- Carbon nanotubes and conducting polymers flexible device for photonic applications
- Activated carbon microspheres as adsorbents for hemoperfusion
- Activated carbon fiber as super adsorbent for low concentration organic compounds

### Education

- PhD, Chemical Technology, Chinese Academy of Sciences, China, 2000
- BS, Materials Science & Engineering, Northwestern Polytechnic University, China, 1994

## **Professional Society Affiliations**

- American Chemical Society
- American Carbon Society
- Electrochemical Society
- North American Catalysis Society

## **Publications & Patents**

- 15 publications in English
- 17 publications in Chinese
- 19 proceedings papers
- 12 conference presentations
- 8 patents and patent applications