

## Sun-Ho Kang

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### Professional Experience

- 2001 – present: Argonne National Laboratory, Argonne, IL
  - Development of high-power and high-energy Li-ion batteries
  - Development of advanced cathode materials for high-power and high-energy Li-ion batteries
  - Diagnostic analysis to determine failure mechanisms in Li-ion batteries for transportation applications
  - Synthesis of spherical metal hydroxide and metal carbonate precursors
- 1999 – 2000: University of Texas at Austin, Austin, TX
  - Development of cathode materials for rechargeable lithium batteries and supercapacitors
- 1994 – 1999: Research Center for Thin Film Fabrication and Crystal Growing of Advanced Materials, Seoul National University, Seoul, Korea
  - Measurement of oxygen content, transport properties, and redox kinetics of nuclear material  $(U_{1-y}M_y)O_{2+x}$
  - High-temperature electrical conductivity and thermodynamic stability of transition metal oxides

### Education

- PhD, Materials Science and Engineering, Seoul National University, Korea
- MS, Materials Science and Engineering, Seoul National University, Korea
- BS, Materials Science and Engineering, Seoul National University, Korea

### Patents

- 5 patents

### Publications

- 45 peer-reviewed publications
- 44 technical presentations