

## SON Seung Uk

Professor  
Department of Chemistry



- **Office** 330408, Chemistry Building, Sungkyunkwan University (SKKU) Natural Sciences Campus, 2066 Seobu-ro, Jangan-gu, Suwon, Gyeonggi-do, Republic of Korea
- **Phone** 82-31-290-5932
- **E-mail** sson@skku.edu
- **Website** <http://home.skku.ac.kr/~sson/>
- **Social Media**

**Key Words** Organometallics, microporous organic polymer, lithium ion battery, catalyst, drug delivery

**Research Area** My research interests are synthesis of microporous organic polymers and their applications to energy, bio, and environmental systems. Through introduction of inorganic nanomaterials to microporous organic polymers, tailored functional materials have been developed. Especially, my research group in SKKU has applied organic-inorganic composites system for electrode materials of lithium ion battery, green catalysts, and drug delivery materials.

**Education**

- 2001 PhD Seoul National University
- 1998 MSc Seoul National University
- 1996 BSc Seoul National University

**Experience**

- 2005 Visiting professor, Brown University, USA
- 2003-2004 Postdoc fellow, Research Institute of Engineering Science, SNL
- 2002 Postdoc fellow, Basic Science Institute, SNU
- 

**Position**

- 2015~ Professor, SKKU
- 2009-2014 Associate Professor, SKKU
- 2005-2008 Assistant Professor, SKKU

**Selected Publication**

- "Hollow and Microporous Zn-Porphyrin Networks: Outer Shape De-pendent Ammonia Sensing by Quartz Crystal Microbalance" *Chem. Mater.* 2015, 27, 5845.
- "Magnetically Separable Microporous Fe-Porphyrin Networks for Catalytic Carbene Insertion to N-H Bonds" *ACS Catalysis* 2015, 5, 350
- "Metal-Organic Framework@Microporous Organic Network: Hydrophobic Adsorbents with a Crystalline Inner Porosity" *J. Am. Chem. Soc.* 2014, 136, 6789.
- "Microporous Organic Network Hollow Spheres: Useful Templates for Nanoparticulate Co<sub>3</sub>O<sub>4</sub> Hollow Oxidation Catalysts" *J. Am. Chem. Soc.* 2013, 135, 19115.
- "Tandem Synthesis of Photo-Active Benzodifuran Moieties in the Formation of Microporous Organic Networks" *Angew. Chem. Int. Ed.* 2013, 52, 6228.
- "Nanoparticulate Iron Oxide Tubes from Microporous Organic Nanotubes as Stable Anode Materials for Lithium Ion Batteries" *Angew. Chem. Int. Ed.* 2012, 51, 6626.
- "Tubular Shape Evolution of Microporous Organic Networks" *Chem. Mater.* 2012, 24, 3548.
- "Organometallic Hollow Spheres Bearing Bis(N-Heterocyclic Carbene)Palladium Species: Catalytic Application in Three-Component Strecker Reactions" *Angew. Chem. Int. Ed.* 2010, 49, 7718.

**Others**

-

