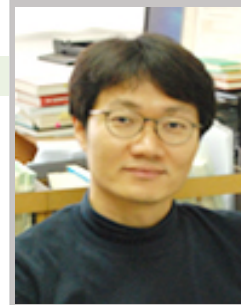


## PARK Sungho

Professor  
Department of Chemistry



- **Office** 330510, Chemistry Building, Sungkyunkwan University (SKKU) Natural Sciences Campus, 2066 Seobu-ro, Jangan-gu, Suwon, Gyeonggi-do, Republic of Korea
- **Phone** 82-31-299-4562
- **E-mail** spark72@skku.edu
- **Website** <http://home.skku.edu/~spark72/>
- **Social Media**

**Key Words** Analytical chemistry, Complex nanostructures, Anodic aluminum oxide (AAO), Electrochemistry, Surface plasmon resonance (SPR)

**Research Area** Our research interests are centered on the understanding and elucidation of the microscopic processes, such as electrochemistry, catalysis, chemical and biological sensors, and photovoltaics. These include the synthesis, characterization and application of various organic-inorganic nanostructured materials. Due to their unique physical and chemical properties, which lie somewhere between those of bulk and atomic species, they will be exploited for many fascinating potential uses in the future

**Education**

- 1999. 08 – 2003. 08 Ph.D. Purdue University at West Lafayette, USA
- 1996. 03 – 1998. 02 M.Sc. Ajou University, Korea
- 1991. 03 – 1996. 02 B.Sc. Ajou University, Korea

**Experience**

- 2015. 10 - Present Professor, Sungkyunkwan University
- 2009. 11 – 2015. 09 Associate Professor, Sungkyunkwan University
- 2005. 11 – 2009. 10 Assistant Professor, Sungkyunkwan University
- 2003. 06 – 2005. 10 Postdoc Fellow, Northwestern University at Evanston, USA

**Position**

- 
- 
- 

**Selected Publication**

- "Octahedral and Cubic Gold Nanoframes with Platinum Framework" *Angew. Chem. Int. Ed.* 2015, 54, 9025-9028
- "Fabrication of 2D Au Nanorings with Pt framework" *J. Am. Chem. Soc.* 2014, 136(50), 17674-17680
- "Wet-chemical Synthesis of Palladium Nanosprings" *Nano Lett.* 2011, 11, 3979-3982
- "Bimetallic Gold-Silver Nanorods produce Multiple Surface Plasmon Bands" *J. Am. Chem. Soc.* 2009, 131, 8380-8381
- "Multiple Surface Plasmon Modes for a Colloidal Solution of Nanoporous Gold Nanorods and Their Comparison to Smooth Gold Nanorods" *Nano Lett.* 2008, 8, 2265-2270
- "Intraparticle Surface Plasmon Coupling in Quasi-One-Dimensional Nanostructures" *Nano Lett.* 2008, 8, 800-804
- "On-Wire Lithography (OWL)" *Science*, 2005, 309, 113-115
- "Self-Assembly of Mesoscopic Metal-Polymer Amphiphiles" *Science*, 2004, 303, 348-351

**Others**

- SKKU Young-Fellow from year 2010
- SKKU Teaching Award year 2012