

BOO Jin-Hyo

Professor
Department of Chemistry



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Key Words Surface & Materials Chemistry, Electronic & Energy Materials, Plasma Chemistry, PVD & CVD

Research Area Development of New Energy Materials (Photocatalysts, DSSCs, OPVs, Perovskites, Smart Windows, etc.), Synthesis of Advanced Functional Materials for IT, ET, NT & BT Applications (OTFTs, OLEDs, Sensors, etc.)

Education

- Sungkyunkwan Univ.(1993) PhD Surface & Materials Chemistry
- Sungkyunkwan Univ.(1987) MSc Physical Chemistry
- Sungkyunkwan Univ.(1985) BSc Chemistry

Experience

- 2016, 2015, 2011, 2004-2005, Visiting Professor of the Ulm University (Ulm, Germany), Visiting Professor of the Kyushu University (Fukuoka, Japan), Visiting Professor of the Bochum University (Bochum, Germany), Fraunhofer-IST Institute (Braunschweig, Germany), and West Bohemia University (Plzen, Czech Republic),
- 1996-1997 Visiting Scientist of Cornell University (Ithaca, USA)
- 1994-1995 Post-doctor of Bonn University (Bonn, Germany)
- 1993-1994 Research Scientist of the Korea Research Institute of Chemical & Technology (Deajon, Korea)

Position

- 2013-present Vice-president of the Korean Vacuum Society
- 2011-present Director of Chemical & Biological Detection Research Center (SKKU)
- 1997-present Full Professor of Chemistry Department at Sungkyunkwan University

Selected Publication

- (1) Chemistry Of Materials, 7 (1997) 694.
- (2) Progress in Solid State Chemistry 33 (2005) 309.
- (3) Journal of Physical Chemistry A, 113 (2009) 3946.
- (4) Journal of Materials Chemistry, 20 (2010) 4663.
- (5) Nanotechnology, 22 (2011) 095303.
- (6) Lab on a Chip, 14 (2014) 2327.
- (7) Journal of Biomedical Nanotechnology, 11 (2015) 319.
- (8) Scientific Reports 5 (2015) 9319.

Others

- 2011-present Editorial Board of Functional Materials Letters (SCI)
- 2011-present Guest Editor-in-Chief of Materials Research Bulletin (SCI)