

정 소 희 (Sohee Jeong)



■ Affiliation & Address

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■ Education

1991. 03 – 1995. 02 B.S. in Chemistry, KAIST
1995. 03 – 1997. 02 M.S. in Chemistry, KAIST
2009. 09 – 2005. 12 Ph.D. in Chemistry, University of Michigan

■ Experiences & Careers

2019. 01 – present *Associate Professor*, Department of Energy Science, SKKU
2013. 03 - 2018. 12 *Principal Researcher*, KIMM
 Professor, Department of Nanomechatronics, UST
2010. 10 – 2011. 04 *Visiting Scholar*, NREL, Golden CO
2006. 11 – 2013. 02 *Senior Researcher*, KIMM
2005. 11 – 2006. 10 *Postdoctoral Fellow*, Los Alamos National Laboratory

■ Honor & Awards

2017 최우수 교수상, UST
2015 장관상, 미래창조과학부

■ Research Fields

III-V colloidal nanocrystals: control of covalent surfaces, *Chem. Sci.* **2019**
Energy level tuned indium arsenide colloidal quantum dot films for efficient photovoltaics”, *Nat. Comm.* **2018**, 9, 4267
High Performance Colloidal Quantum Dot Photovoltaics by Controlling Protic Solvents in Ligand Exchange, *Adv. Energy Mater.* **2017**, 7(15), 1700301
Halide Amine Co-Passivated Indium Phosphide Colloidal Quantum Dots in Tetrahedral Shape, *Angew. Chem. Int. Ed.* **2016**, 55, 3714-3718
Air-Stable PbSe Nanocrystals Passivated by Phosphonic Acids, *J. Am. Chem. Soc.* **2016**, 138, 876-883