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EDUCATION

Ph.D. in Physical Chemistry, Seoul National University, Korea, 2005
M.S. in Physical Chemistry, Seoul National University, Korea, 2000
B.S. in Chemistry, Seoul National University, Korea, 1998

PROFESSIONAL EXPERIENCE

Associate professor, POSTECH, Aug. 2014 to present
Assistant professor, Kyung Hee University, Mar. 2009 to Aug. 2014
Postdoctoral researcher, Columbia University, Apr. 2006 to Feb. 2009
Postdoctoral researcher, Korea Research Institute of Standards and Science (KRISS), Mar. 2005 to Apr. 2006

PROFESSIONAL ACTIVITIES

Editorial Advisory Board Member: Jan. 2015 ~ present, *ChemPhysChem*, Wiley-VCH
Editorial Board Member: Oct. 2014 ~ present, *Scientific Reports*, Nature Publishing Group
Committee Member: Sep. 2011 ~ Aug. 2013, Division of Nano Science & Technology, *Korean Vacuum Society*

AWARDS

KAIST Leading Scientists, *The Korean Academy of Science and Technology*, 2013
Leading Research by Postdoctoral Fellows, *The Journal of Physical Chemistry & ACS PHYS Division*, Aug 18th, 2009

SELECTED RECENT PUBLICATIONS

1. D. Lee, G. Ahn and **S. Ryu**,* "Two-Dimensional Water Diffusion at a Graphene-Silica Interface", *J. Am. Chem. Soc.* **136**, 6634 (2014)
2. J. Hong, M. K. Park, E. J. Lee, D. Lee, D. S. Hwang and **S. Ryu**,* "Origin of New Broad Raman D and G Peaks in Annealed Graphene", *Sci. Rep.* **3**, 2700 (2013)
3. G. Ahn, H. R. Kim, T. Y. Ko, K. Choi, K. Watanabe, T. Taniguchi, B. H. Hong and **S. Ryu**,* "Optical Probing of Electronic Interaction between Graphene and Hexagonal Boron Nitride", *ACS Nano* **7**, 1533 (2013)
4. J. E. Lee, G. Ahn, J. Shim, Y. S. Lee and **S. Ryu**,* "Optical Separation of Mechanical Strain from Charge Doping in Graphene", *Nature Commun.* **3**, 1024 (2012)
5. J. Shim, C. H. Lui, T. Y. Ko, Y.-J. Yu, P. Kim, T. F. Heinz and **S. Ryu**,* "Water-Gated Charge Doping of Graphene Induced by Mica Substrates", *Nano Lett.* **12**, 648 (2012)
6. **S. Ryu**,* J. Maultzsch, M. Y. Han, P. Kim and L. E. Brus, "Raman Spectroscopy of Lithographically Patterned Graphene Nanoribbons", *ACS Nano* **5**, 4123 (2011)
7. **S. Ryu**, Li Liu, S. Berciaud, Y.-J. Yu, H. Liu, P. Kim, G. W. Flynn and L. E. Brus, "Atmospheric Oxygen Binding and Hole Doping in Deformed Graphene on a SiO₂ Substrate", *Nano Lett.* **10**, 4944 (2010)
8. C. Lee, H. Yan, L. E. Brus, T. F. Heinz, J. Hone and **S. Ryu**,* "Anomalous Lattice Vibrations of Single- and Few-Layer MoS₂", *ACS Nano* **4**, 2695 (2010)