

# Chongyang Zhu – C.V.

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## Research interest

Synthesis of carbon-related materials and their applications in fields of energy conversion and storage; *In-situ* TEM characterization of (photo)electrochemical behavior of novel 2D materials.

## Education

1. 2016 – present Ph.D. Student Research assistant, IBS Center for Multidimensional Carbon Materials, UNIST campus, Korea.
2. 2013 – present Ph.D. Microelectronics and Solid State Electronics, Southeast University, Nanjing, China.
3. 2009 – 2013 B.S. Polymer Material and Engineering, Nanjing University of Posts and Telecommunications, Nanjing, China.

## Publications

1. **Chongyang Zhu**, Huihua Min, Feng Xu<sup>\*</sup>, Jing Chen, Hui Dong, Ling Tong, Yimei Zhu and Litao Sun. Ultrafast electrochemical preparation of graphene/CoS nanosheet counter electrodes for efficient dye-sensitized solar cells. *RSC Advances*, **2015**, 5, 85822.
2. **Chongyang Zhu**, Feng Xu<sup>\*</sup>, Jing Chen, Huihua Min, Hui Dong, Ling Tong, Khan Qasim, Shengli Li, Litao Sun. Nitrogen-doped carbon onions encapsulating metal alloys as efficient and stable catalysts for dye-sensitized solar cells. *Journal of Power Sources*, **2016**, 303, 159.
3. **Chongyang Zhu**, Feng Xu<sup>\*</sup>, Ling Zhang, Minli Li, Jing Chen, Shuhong Xu, Guangguang Huang, Wenhao Chen, and Litao Sun<sup>\*</sup>. Ultrafast Preparation of Black Phosphorus Quantum Dots for Efficient Humidity Sensing. *Chem. Eur. J.* **2016**, 22, 7357.