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Education

- **Doctor of Philosophy** in Condensed Matter Physics, **Advisor: Wenhui Duan** July 2015
Tsinghua University, Beijing, China;
- **Bachelor of Engineering** in Materials Chemistry July 2010
Central South University, Changsha, Hunan, China

Employment

Advisor: Feng Ding

- **Hong Kong Polytechnic University**
Research Associate Sept. 2015 – Mar. 2017
Research Assistant April 2014 – April 2015
- **Center for Multidimensional Carbon Materials (CMCM),
Institute for Basic Science (IBS), Ulsan 689-798, Republic of Korea**
Research Fellow April 2017 — Sept. 2018

Publications

- **Wen Zhao** and Feng Ding*, 'Energetics and Kinetics of Phase Transition Between 2H and 1T MoS₂ Monolayer: A Theoretical Study', *Nanoscale*, 9, (2017), 2301-2309.
- Genlan Rong, Xinyi Zhang, **Wen Zhao**, *et.al.*, Wenhui Duan, Yuegang Zhang*, 'Liquid-phase Electrochemical Scanning Electron Microscopy for *in-situ* Investigation of Lithium Dendrite Growth and Dissolution', *Adv. Mater.*, 29, (2017), 1606187.
- Chong Lin, Weikun Zhang, Lei Wang, Zhenggong Wang, **Wen Zhao**, Wenhui Duan, *et.al.*, and Jian Jin*, 'A Few-Layered Ti₃C₂ Nanosheet/Glass Fiber Composite Separator as a Lithium Polysulphide Reservoir for High-Performance Lithium-Sulfur Batteries', *J. Mater. Chem. A*, 4 (2016), 5993-98.
- **Wen Zhao**, Yuanchang Li, Wenhui Duan*, and Feng Ding*, 'Ultra-Stable Small Diameter Hybrid Transition Metal Dichalcogenide Nanotubes X-M-Y (X, Y= S, Se, Te; M= Mo, W, Nb, Ta): A Computational Study', *Nanoscale*, 7 (2015), 13586-90.
- Yongcai Qiu, Wanfei Li, **Wen Zhao**, *et.al.*, Wenhui Duan, Yifan Ye, Jinghua Guo, Yuegang Zhang*, 'High-Rate, Ultralong Cycle-Life Lithium/Sulfur Batteries Enabled by Nitrogen-Doped Graphene', *Nano Lett.*, 14 (2014), 4821-27.
- **Wen Zhao**, Pengcheng Chen, Peizhe Tang, Yuanchang Li*, Jian Wu, and Wenhui Duan*, 'Sulfur Immobilization and Lithium Storage on Defective Graphene: A First-Principles Study', *Appl. Phys. Lett.*, 104 (2014), 043901.