

Curriculum Vitae

1. Personal Information

Name: Jiabin Wu

Gender: Male

Birth: March 8, 1990

Health: Excellent

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Address: No. 1037, luoyu road, hongshan district, wuhan city, hubei, China



2. Education Background

- **Ph.D candidate in Electronic Science and Technology** Sept. 2017-present
Huazhong University of Science and Technology, Wuhan, China
Wuhan National Laboratory for Optoelectronics
- **M.S. in Materials Engineering** Jun. 2016
Wuhan University of Technology, Wuhan, China
State Key Laboratory of Advanced Technology for Materials Synthesis and Progressing
- **B.S. in Chemistry** Jun. 2013
Anqing Normal University, Anqing, Anhui, China
School of Chemistry and Chemical Engineering

3. Skills

- Lab skills
- Experienced with fabricating electrical electrodes and cells (supercapacitors and batteries) and performing electrical test equipment, including Auto Lab, CHI, RRDE.
- Skilled for materials characterization process and experienced with data analysis: BET, XPS, XRD, SEM, TEM, Raman, TGA. etc.
- Languages: English (good written/verbal communications), Chinese (native)

4. Research Experience

1. High performance catalysis for ORR, OER, HER;

2. 2D materials synthesis of transition metal carbide and nitride;
3. Electrochemical energy (such as supercapacitors, fuel cells and metal-air batteries).

5. Publication (selected)

1. **Jiabin Wu**, Xiang Gao, Huimin Yu, Tianpeng Ding, Yixin Yan, Bin Yao, Xu Yao, Dongchang Chen, Meilin Liu,* and Liang Huang*. A Scalable Free-Standing V₂O₅/CNT Film Electrode for Supercapacitors with a Wide Operation Voltage (1.6 V) in an Aqueous Electrolyte. *Adv. Funct. Mater.* 2016, 26, 6114.
2. Jun Wan, **Jiabin Wu**, Xiang Gao, Tianqi Li, Zhimi Hu, Huimin Yu, and Liang Huang*. Structure Confined Porous Mo₂C for Efficient Hydrogen Evolution. *Adv. Funct. Mater.* 2017, 27, 1703933. (co-first author)
3. Qun Li, **Jiabin Wu**, Liang Huang, Junfeng Gao, Haowen Zhou, Yijie Shi, Qinhe Pan, Gang Zhang, Yu Du and Wenxi Liang. Sulfur dioxide gas-sensitive materials based on zeolitic imidazolate framework-derived carbon nanotubes. *Journal of Materials Chemistry A*, 2018, 6, 12115. (co-first author)
4. Tianqi Li, **Jiabin Wu**, Xu Xiao, Bingyan Zhang, Zhimi Hu, Jun Zhou, Peihua Yang, Xun Chen, Bo Wang, Liang Huang*. Band gap engineering of MnO₂ through in situ Al-doping for applicable pseudocapacitors. *RSC Adv.*, 2016, 6, 13914. (co-first author)
5. Xu Xiao, Huimin Yu, Huanyu Jin, Menghao Wu, Yunsheng Fang, Jiyu Sun, Zhimi Hu, Tianqi Li, **Jiabin Wu**, Liang Huang, Yury Gogotsi, Jun Zhou*. Salt-Templated Synthesis of 2D Metallic MoN and Other Nitrides. *ACS Nano*, 2017, 11, 2180.
6. Bin Yao, Liang Huang, Jing Zhang, Xiang Gao, **Jiabin Wu**, Yongliang Cheng, Xu Xiao, Bo Wang, Yat Li,* and Jun Zhou*. Flexible Transparent Molybdenum Trioxide Nanopaper for Energy Storage. *Adv. Mater.*, 2016, 28, 6353.
7. Liang Huang, Xu Yao, Longyan Yuan, Bin Yao, Xiang Gao, Jun Wan, Panpan Zhou, Min Xu, **Jiabin Wu**, Huimin Yu, Zhimi Hu, Tianqi Li, Yat Li, Jun Zhou*. 4-Butylbenzenesulfonate modified polypyrrole paper for supercapacitor with exceptional cycling stability. *Energy Storage Materials*, 2017, 12, 191.
8. Liang Huang, Bin Yao, Jiyu Sun, Xiang Gao, **Jiabin Wu**, Jun Wan, Tianqi Li, Zhimi Hu and Jun Zhou*. Highly conductive and flexible molybdenum oxide nanopaper for high volumetric supercapacitor electrode. *J. Mater. Chem. A*, 2017, 5, 2897.

6. Awards

- 2010-2011: The first professional scholarship;
2011-2012: The second professional scholarship;
2012-2013: Outstanding Graduates awards of the province;
2014-2015: The second professional scholarship;
2015-2016: Excellent Graduates awards.