个人简历

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一、教育经历:

2008.9-2012.7　　兰州大学，化学与化工学院，化学基地班，学士
2012.9-2018.1　　中科院长春应化所，分析化学，博士

二、工作经历：

2018.1-2019.12　　北京大学，工学院，博雅博士后
2019.12-至今　　北京理工大学，前沿交叉科学研究院，特别研究员

三、研究领域

主要从事功能化纳米材料的合成、表界面调控及其在催化和新能源领域的应用，主要包括：电解水、锌-空电池、燃料电池和离子电池等。

近5年来，已经以第一/通讯作者的身份在J. Am. Chem. Soc.，Energy Environ. Sci.，ACS Energy Lett., Trends in Chemistry（Cell子刊）等国际著名期刊上发表论文18篇，申请并获权发明专利3项。作为项目负责人申请国家自然科学基金青年基金项目（No. 21802003）和中国博士后科学基金 （No. 2018M631239）各一项；

四、代表性成果

1) **Wenxiu Yang**, Xiangjian Liu, Xiaoyu Yue, Jianbo Jia* and Shaojun Guo*, Bamboo-like Carbon Nanotube/Fe_3C Nanoparticle Hybrids and Their Highly Efficient Catalysis for Oxygen Reduction, ***J. Am. Chem. Soc.,*** 2015, 137, 1436-1439. (**ESI 1%**)
2) **Wenxiu Yang**, Jinhui Zhou, Shuo Wang, Weiyu Zhang, Zichen Wang, Fan Lv, Kai Wang, Qiang Sun and Shaojun Guo*, Freestanding film made by necklace-like N-doped hollow carbon with hierarchical pores for high-performance potassium-ion storage. ***Energy & Environmental Science,*** 2019, 12, 1605-1612. (**ESI 1%**)
3) **Wenxiu Yang**, Jinhui Zhou, Shuo Wang, Zichen Wang, Fan Lv, Wenshu Zhang, Weiyu Zhang, Qiang Sun, and Shaojun Guo*, 3D Carbon Framework Constructed by N, S co-

doped Graphene Nanosheets with Expanded Interlayer Spacing Facilitates Potassium-Ion Storage. ***ACS Energy Lett.***, 2020, 5, 1653−1661.

4) **Wenxiu Yang**, Zichen Wang, Weiyu Zhang, and Shaojun Guo*, Electronic-Structure Tuning of Water-Splitting Nanocatalysts. ***Trends in Chemistry*** 2019, *1* (2), 259-271.
5) **Wenxiu Yang**, Yelong Zhang, Xiangjian Liu, Lulu Chen, and Jianbo Jia*, In situ formed Fe-N doped metal organic framework@carbon nanotubes/graphene hybrids for a rechargeable Zn-air battery. ***Chem. Commun.,*** 2017, 53, 12934-12937.
6) **Wenxiu Yang**, Xiangjian Liu, Lulu Chen, Liang Liang and Jianbo Jia*, Metal organic framework devised Co−N doped carbon microsphere/nanofiber hybrid as a free-standing 3D oxygen catalyst***, Chem. Commun.,*** 2017, 28, 4034-4037.
7) **Wenxiu Yang**, Yanling Zhai, Xiaoyu Yue, Yizhe Wang, Jianbo Jia*, From filter paper to porous carbon composite membrane oxygen reduction catalyst, ***Chem. Commun.,*** 2014, 50, 11151-11153.
8) LuLu Chen, Yelong Zhang, Xiangjian Liu, Ling long, Siyu Wang, **Wenxiu Yang*** and Jianbo Jia*; Strongly coupled ultrasmall-Fe7C3 -N-doped porous carbon hybrids for highly efficient Zn air batteries. ***Chem. Commun.,*** 2019, 55, 5651-5654.
9) **Wenxiu Yang**, Lulu Chen, Xiangjian Liu, Xiaoyu Yue, Changyu Liu and Jianbo Jia*, N, S-Codoped microporous carbon nanobelts with blooming nanoflowers for oxygen reduction, ***J. Mater. Chem. A,*** 2016, 4, 5834–5838.
10) **Wenxiu Yang**, Lulu Chen, Xiangjian Liu, Jianbo Jia* and Shaojun Guo*, A new method for developing defect-rich graphene nanoribbons/onion-like carbon@Co nanoparticles hybrid materials as an excellent catalyst for oxygen reactions, ***Nanoscale***, 2017, 9, 1738–1744. **(2017 Nanoscale HOT Article)**