

<u>基本信息</u>	
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<u>教育背景</u>	
2012.9-2017.12	中科院长春应化所，分析化学，理学博士
2008.9-2012.6	兰州大学，化学专业，理学学士
<u>工作履历</u>	
2019.12-至今	北京理工大学，前沿交叉科学研究院，特别研究员
2018.01-2019.12	北京大学，工学院，博雅博士后
<u>研究方向</u>	
1.	功能化纳米材料的合成及表界面调控
2.	燃料电池和电解水析氢关键催化剂材料研究
3.	电催化二氧化碳还原催化剂研究
<u>承担项目</u>	
1.	国家自然科学基金面上项目（22075018），63 万
2.	国家自然科学基金青年项目（No. 21802003），25 万
3.	中国博士后科学基金（No. 2018M631239），5 万
<u>研究成果</u>	
<p>主持国家自然科学基金项目 2 项、博士后基金 1 项；近年来，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 19 篇，获权国内发明专利 3 项。</p>	

## 代表性论文

1.	<b>Wenxiu Yang</b> , Xiangjian Liu, Xiaoyu Yue, Jianbo Jia* and Shaojun Guo*, Bamboo-like Carbon Nanotube/Fe <sub>3</sub> C Nanoparticle Hybrids and Their Highly Efficient Catalysis for Oxygen Reduction, <i>J. Am. Chem. Soc.</i> , 2015, 137, 1436-1439. (ESI Top 1%)
2.	<b>Wenxiu Yang</b> , 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. <i>Energ. Environ. Sci.</i> , 2019, 12, 1605-1612. (ESI Top 1%)
3.	<b>Wenxiu Yang</b> , 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. <i>ACS Energy Lett.</i> , 2020, 5, 1653–1661.
4.	<b>Wenxiu Yang</b> , Zichen Wang, Weiyu Zhang, and Shaojun Guo*, Electronic-Structure Tuning of Water-Splitting Nanocatalysts. <i>Trends in Chemistry</i> , 2019, 1, 259-271.
5.	<b>Wenxiu Yang</b> , Xiangjian Liu, Huan Lv, and Jianbo Jia*Yang, Atomic Fe & FeP nanoparticles synergistically facilitate oxygen reduction reaction of hollow carbon hybrids. <i>J. Colloid Interface Sci.</i> , 2020, 583, 371-375.
6.	<b>Wenxiu Yang</b> , 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. <i>Chem. Commun.</i> , 2017, 53, 12934-12937.
7.	<b>Wenxiu Yang</b> , Xiangjian Liu, Lulu Chen, Liang Liang and Jianbo Jia*, A metal organic framework devised Co–N doped carbon microsphere/nanofiber hybrid as a free-standing 3D oxygen catalyst, <i>Chem. Commun.</i> , 2017, 28, 4034-4037.
8.	<b>Wenxiu Yang</b> , Yanling Zhai, Xiaoyu Yue, Yizhe Wang, Jianbo Jia*, From filter paper to porous carbon composite membrane oxygen reduction catalyst, <i>Chem. Commun.</i> , 2014, 50, 11151-11153.
9.	LuLu Chen, Yelong Zhang, Xiangjian Liu, Ling long, Siyu Wang, <b>Wenxiu Yang*</b> and Jianbo Jia*; Strongly coupled ultrasmall-Fe <sub>7</sub> C <sub>3</sub> -N-doped porous carbon hybrids for highly efficient Zn air batteries. <i>Chem. Commun.</i> , 2019, 55, 5651-5654.
10.	Lulu Chen, Xiaolong Xu, <b>Wenxiu Yang*</b> , Jianbo Jia*, Recent advances in carbon-based electrocatalysts for oxygen reduction reaction. <i>Chin. Chem. Lett.</i> 2020, 31 (3), 626-634.
11.	<b>Wenxiu Yang</b> , Lulu Chen, Xiangjian Liu, Xiaoyu Yue, Changyu Liu and Jianbo Jia*, N, S-Codoped microporous carbon nanobelts with blooming nanoflowers for oxygen reduction, <i>J. Mater. Chem. A</i> , 2016, 4, 5834–5838.

12.	<b>Wenxiu Yang</b> , 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, <i>Nanoscale</i> , 2017, 9, 1738–1744. ( <b>2017 Nanoscale HOT Article</b> )
13.	<b>Wenxiu Yang</b> , Xiaoyu Yue, Xiangjian Liu, Lulu Chen, Jianbo Jia*, Shaojun Guo*, Superior oxygen reduction electrocatalysis enabled by integrating hierarchical pores, Fe <sub>3</sub> C nanoparticles and bamboo-like carbon nanotubes, <i>Nanoscale</i> , 2016, 2016, 8, 959-964. ( <b>2016 Nanoscale HOT Article</b> )
14.	<b>Wenxiu Yang</b> , Xiaoyu Yue, Xiangjian Liu, Junfeng Zhai, Jianbo Jia*, ILS-derived N, S co-doped Ordered Mesoporous Carbon for High-Performance Oxygen Reduction, <i>Nanoscale</i> , 2015, 7, 11956–11961. ( <b>Front cover</b> )
15.	<b>Wenxiu Yang</b> , Yingqiu Zhang, Yizhe Wang, Changyu Liu, Jianbo Jia*, Dual-doped carbon composite for efficient oxygen reduction via electrospinning and incipient impregnation, <i>J. Power Sources</i> , 2015, 274, 595-603.
16.	<b>Wenxiu Yang</b> , Zhang, Y.; Liu, X.; Chen, L.; Liu, M.; Jia, J., Polymerization-dissolution strategy to prepare Fe, N, S tri-doped carbon nanostructures for Zn-Air batteries. <i>Carbon</i> , 2019, 147, 83-89.
17.	LuLu Chen, Yelong Zhang, Xiangjian Liu, Ling long, Siyu Wang, Xiaolong Xu, Minchao Liu, <b>Wenxiu Yang</b> * and Jianbo Jia*; Bifunctional oxygen electrodes of homogeneous Co <sub>4</sub> N nanocrystals@N-doped carbon hybrids for rechargeable Zn-air batteries. <i>Carbon</i> , 2019, 151, 10-17.
18.	Xiangjian Liu, Lin Zhou, Liang Huang, LuLu Chen, Ling long, Siyu Wang, Xiaolong Xu, Minchao Liu, <b>Wenxiu Yang</b> * and Jianbo Jia*; ZIF-67 derived hierarchical hollow sphere-like CoNiFe phosphide for enhanced performances in oxygen evolution reaction and energy storage. <i>Electrochim. Acta</i> , 2019, 318, 883-891.
19.	Xinxin Hang#, <b>Wenxiu Yang</b> # (共一), Shentang Wang, Haitao Han, Wuping Liao*, and Jianbo Jia*, Calixarene-Based Burr Puzzle: an Efficient Oxygen Reduction Catalyst <i>ACS Appl. Nano Mater.</i> , 2019, DOI: 10.1021/acsanm.9b00683.