



个人简介：

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技术职务：副教授 专业及学历：物理化学/博士研究生

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工作及教育经历：

2012/07–至今，天津工业大学化学与化工学院

2007/09–2012/06，吉林大学化学学院，物理化学专业博士研究生

2003/09–2007/06，吉林师范大学化学学院，理学学士

研究方向：

环境催化材料，环境能源材料，水中污染物的处理及检测。

主持及参加的科研项目：

1. 国家自然科学基金青年基金项目，三维自支撑多级结构NiCo LDH/C电极的构建及催化降解酚类污染物机制研究。主持在研
2. 天津市自然科学基金青年基金项目，生物质基纳米炭黑的微观结构调控及性能研究。主持完成
3. 天津市教委自然科学基金一般项目，基于生物质模板法三维介孔碳的制备及CO₂电还原性能研究。主持在研
4. 国家自然科学基金面上项目，聚离子液体为前驱体制备多原子共掺碳材料作为氧还原和析氧反应的双功能非金属催化剂。第二参与人在研
5. 天津市自然科学基金面上基金项目，碳基纳米复合材料的原位法制备、微结构调控和储能性能。第三参与人完成

代表性学术论文：

1. **Lili Wang***, Xueli Miao, Yuning Qu, Cunpeng Duan, Bing Wang, Qiaolin Yu, Jian Gao, Dandan Song, Yanting Li, Zhen Yin*, Rattle-type Au@NiCo LDH hollow core-shell nanostructures for nonenzymatic glucose sensing, *J. Electroanalytical Chem.*, 2020 (接收)
2. Dandan Song, **Lili Wang***, Yuning Qu, Bing Wang*, Yanting Li, Xueli Miao, Yuying Yang, Cunpeng Duan, A High-Performance Three-Dimensional Hierarchical Structure MOF-Derived NiCo LDH Nanosheets for Non-Enzymatic Glucose Detection. *J. The Electrochem. Soc.*, 166(16):B1681-B1688, 2019.
3. Yanting Li, **Lili Wang***, Yuning Qu, Bing Wang*, Jianguo Yu, Dandan Song, Cunpeng Duan, Yuying Yang, Unique 3D bilayer nanostructure basic cobalt carbonate@NiCo-layered double hydroxide nanosheets on carbon cloth for supercapacitor electrode material, *Ionics*, 2019 (接收)
4. Jiajun Tang, Yanni Shen, Xueli Miao, Hao Qin, Dandan Song, Yanting Li, Yuning Qu, Zhen Yin, Jiahao Ren, **Lili Wang***, Bing Wang*, Template-directed growth of hierarchically structured MOF-derived LDH cage hybrid arrays for supercapacitor electrode, *J. Electroanalytical Chem.*, 840, 174-181, 2019.
5. Hao Qin, Xueli Miao, Dandan Song, Yanting Li, Yanni Shen, Jiajun Tang, Yuning Qu, Yuechao Cao, **Lili wang***, Bing Wang*, Simple synthesis of N-doped catalysts with controllable Pt–Ni nanoparticles for high-efficiency ethanol oxidation, *Ionics*, 25(7), 3179-3188, 2019,
6. **Lili Wang**, Yanting Li, Xueli Miao, Hao Qin, Jiahao Ren, Xiaofeng Wang, Zhichun Sun, Bing Wang*, Three-dimensional Graphene-Carbon Nanotubes Composite-Supported PtSn Catalysts with a Tunable Microstructure to Enhance Electrocatalytic Activity for Ethanol Oxidation, *Int. J. Electrochem. Sci.*, 13, 11081-11095, 2018.
7. **Lili Wang**, Yanting Li, Kunlong Yang, Wenqi Lu, Jianguo Yu, Jian Gao, Gang Liao, Yuning Qu*, Xiaofeng Wang, Xifei Li, Zhen Yin*, Hierarchical Porous Carbon Microspheres Derived from Biomass-Corncob as Ultra-High Performance Supercapacitor Electrode, *Int. J. Electrochem. Sci.*, 12, 5604-5617, 2017.

8. **Lili wang***, Zhenbo Zhang, Yuning Qu, Yupeng Guo, Zichen Wang, Xiaofeng Wang, A novel route for preparation of high-performance porous carbons from hydrochars by KOH activation, *Colloids and Surfaces A: Physicochem. Eng. Aspects*, 447, 183-187, 2014.
9. **Lili Wang**, Xiaofeng Wang, Bo Zou, Xiaoyu Ma, Yuning Qu, Chunguang Rong, Ying Li, Ying Su, Zichen Wang, Preparation of carbon black from rice husk by hydrolysis, carbonization and pyrolysis, *Bioresour. Technol.*, 102, 8220-8224, 2011.
10. **Lili Wang**, Yupeng Guo, Bo Zou, Chunguang Rong, Xiaoyu Ma, Yuning Qu, Ying Li, Zichen Wang, High surface area porous carbons prepared from hydrochars by phosphoric acid activation, *Bioresour. Technol.*, 102, 1953-1956, 2011.
11. **Lili Wang**, Yupeng Guo, Yanchao Zhu, Yuning Qu, Ying Li, Chunguang Rong, Zichen Wang, Yanhua Liu*, Investigation on catalyzed combustion of wheat straw by thermal analysis. *Thermochim. Acta.* 2011, 512, 254-257.
12. **Lili Wang**, Yupeng Guo, Yanchao Zhu, Ying Li, Yuning Qu, Chunguang Rong, Xiaoyu Ma, Zichen Wang, A new route for preparation of hydrochars from rice husk, *Bioresour. Technol.*, 101, 9807-9810, 2010.