

## 个人简介:

姓名: 余建国                      出生年月: 1977.12                      籍贯: 重庆

技术职务: 副教授              专业及学历: 物理化学 研究生

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## 工作及教育经历:

2006/07-至今, 天津工业大学教师

2003/09-2006/06, 吉林大学 博士

2001/09-2003/06, 吉林大学 硕士

1997/09-2000/06, 吉林大学 本科

## 研究方向:

1. 绿色化学电源
2. 纳米电催化

## 主持及参加的科研项目:

1. 天津市科委基金项目, 15JCQNJC05700, 生物质基纳米炭黑的微观结构调控及性能研究, 2015/04-2018/03, 6万元
2. 天津市科委基金项目, 14JCYBJC17500, 碳基纳米复合材料的原位法制备、微观结构调控和储能性能, 2014/04-2017/03, 10万元
3. 国家自然科学基金项目, 21271138, 钙钛矿复合氧化物中空微纳颗粒的控制合成与气敏性能研究, 2013/01-2016/12, 75万元
4. 天津市自然科学基金重点项目, 10JCZDJC21500, 具有光致发光性能的钙钛矿结构中空纳米颗粒, 2010/04-2013/03, 20万元, 已结题

## 代表性学术论文:

1. Wenjuan Shi, Qian Wang, Famei Qin, **Jianguo Yu\***, Miaomiao Jia, Haiyan Gao, Yabin Zhang, Yongnan Zhao, Guodong Li, N-doped carbon encapsulated nickel nanoparticles: rational fabrication and ultra-high performance for ethanol oxidation, *Electrochim. Acta*, 2017, 232: 332-338. (1 区)

2. **Jianguo Yu\***, Miaomiao Jia, Tangming Dai, Famei Qin, Yongnan Zhao, Nitrogen-doped graphene supporting PtSn nanoparticles with a tunable microstructure to enhance the activity and stability for ethanol oxidation, *J. Solid State Electrochem.*, 2017, 21: 967–974. (2 区)
3. Wenjuan Shi, Haiyan Gao, **Jianguo Yu\***, Miaomiao Jia, Tangming Dai, Yongnan Zhao\*, Jingjing Xu, Guodong Li, One-step synthesis of N-doped activated carbon with controllable Ni nanorods for ethanol oxidation, *Electrochim. Acta*, 2016, 220: 486-492. (1 区)
4. Yisong Zou, Miaomiao Jia, Junqin Fan, Famei Qin, **Jianguo Yu\***, Yongnan Zhao, Silver Nanoparticle Impregnated Porous Carbon as a Nonenzymatic Hydrogen Peroxide Sensor, *Int. J. Electrochem. Sci.*, 2016, 11: 5781-5791. (4 区)
5. Yanqin Zhang, Miaomiao Jia, , Junqin Fan, Lili Wang, **Jianguo Yu\***, Yisong Zou, Yongnan Zhao, A Tunable Hierarchical Porous Carbon from Starch Pretreated by Calcium Acetate for High Performance Supercapacitors, *J. Solid State Electrochem.*, 2016, 20: 733-741. (2 区)
6. Yanqin Zhang, Miaomiao Jia, Haiyan Gao, **Jianguo Yu\***, Lili Wang, Yisong Zou, Famei Qin, Yongnan Zhao, Porous hollow carbon spheres: facile fabrication and excellent supercapacitive properties, *Electrochim. Acta*, 2015, 184: 32-39. (1 区)
7. Guangpin Chen, Wenli Zhai, Zhanghui Wang, **Jianguo Yu**, Fengqin Wang, Yongnan Zhao, Guodong Li, Fabrication and supercapacitive properties of hierarchical porous carbon from polyacrylonitrile, *Mater. Res. Bull.*, 2015, 72: 204-210.
8. Yongcun Zou, Yang Luo, Ni Wen, Tiannan Ye, Caiyun Xu, **Jianguo Yu**, Fengqin Wang, Guodong Li, Yongnan Zhao, Fabricating BaZrO<sub>3</sub> hollow microspheres by a simple reflux method, *New J. Chem.*, 2014, 38: 2548-2553.
9. Jia Guo, Guo Zhang, **Jianguo Yu**, Yongcun Zou, Guodong Li, Guangshan Zhu, Yongnan Zhao, Fabrication and luminescence properties of RbxBa1-xZrO<sub>3</sub> hollow nanospheres, *Mater. Lett.*, 2014, 116: 164-166.

10. Huiqi Wang, **Jianguo Yu**, Yongnan Zhao, Quangui Guo, A facile route for PbO@C nanocomposites: An electrode candidate for lead-acid batteries with enhanced capacitance, *J. Power Sources*, 2013, 224: 125-131.
11. Peiwen Luo, **Jianguo Yu**, Zhiqiang Shi, Hua Huang, Lang Liu, Yongnan Zhao, Guodong Li, Yongcun Zou, Preparation and Supercapacitive Properties of Fe<sub>2</sub>O<sub>3</sub>/Active Carbon Nanocomposites, *Chemical Research in Chinese Universities*, 2012, 28: 780-783.
12. Peiwen Luo, **Jianguo Yu**, Zhiqiang Shi, Fengqin Wang, Lang Liu, Hua Huang, Yongnan Zhao, Huiqi Wang, Guodong Li, Yongcun Zou, Fabrication and supercapacitive properties of Fe<sub>2</sub>O<sub>3</sub>@C nanocomposites, *Mater. Lett.*, 2012, 80: 121-123.
13. Tiannan Ye, Zhenghong Dong, Yongnan Zhao, **Jianguo Yu**, Fengqin Wang, Shukun Guo, Yongcun Zou, Controllable Synthesis and Photoluminescence of Single-Crystalline BaHfO<sub>3</sub> Hollow Micro- and Nanospheres, *Langmuir*, 2011, 27: 8878-8884.
14. Tiannan Ye, Zhenghong Dong, Yongnan Zhao, **Jianguo Yu**, Fengqin Wang, Shukun Guo, Yongcun Zou, Controllable fabrication of perovskite SrZrO<sub>3</sub> hollow cuboidal nanoshells, *CRYSTENGGCOMM*, 2011, 13: 3842-3847.
15. Tiannan Ye, Zhenghong Dong, Yongnan Zhao, **Jianguo Yu**, Fengqin Wang, Lili Zhang, Yongcun Zou, Rationally fabricating hollow particles of complex oxides by a templateless hydrothermal route: the case of single-crystalline SrHfO<sub>3</sub> hollow cuboidal nanoshells, 2011, 40: 2601-2606.

授权发明专利:

16. 赵永男, 孟令波, **余建国**, 一种用于电沉积法镀 MOF 膜的组合式装置, 2014.10.1 2034.7.22, 中国, CN201410350899.X。
17. **余建国**, 范俊琴, 赵永男, 杨红, 陈坤华, 一种纳米银掺杂的碳糊电极电化学检, 测抗坏血酸的方法, 2014.4.23-2033.12.18, 中国, ZL201310710691.X。