

个人简历

个人概况

姓 名 卢桂霞 性 别 女
民 族 汉 族 政治面貌 中共党员
专 业 材料科学与工程
研究方向 功能高分子材料、锂离子和锌离子等电池材料及气敏材料
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教育背景

澳大利亚新南威尔士大学	访问学者	材料科学与工程专业	2019.12.22~2020.12.22
山 东 大 学	博 士	材料科学与工程专业	2011.09.01~2015.06.30
沈阳建筑大学	硕 士	材料物理与化学专业	2008.09.01~2011.03.01
青岛理工大学	学 士	材料科学与工程专业	2004.09.01~2008.06.15

项目、论文及专利:

主持项目

山东省自然科学基金项目
山东省高等学校科技计划项目
青岛市博士后应用研究项目
青岛理工大学高层次人才项目
教育部产学研合作项目

参与项目

国家自然科学基金项目
山东省省课联盟在线课程建设项目
山东省研究生教育优质课程建设项目

论文:

1. **Guixia Lu** *, Jiurong Liu *, Weibo Huang, Xinzhen Wang, Fenglong Wang *, Boosting the electrochemical performance of $\text{Li}_4\text{Ti}_5\text{O}_{12}$ through nitrogen-doped carbon coating, *Applied Organometallic Chemistry*, 33, (2019) e4957. (SCI 一区)
2. **Guixia Lu**, Song Qiu, Jiurong Liu*, XinzhenWang, Cuizhu He, Yu-Jun Bai*, Enhanced electrochemical performance of Zn-doped Fe_3O_4 with carbon coating, *Electrochimica Acta* 117 (2014) 230-238 (SCI 一区)
3. **Guixia Lu**, Song Qiu, Hailong Lv, Ya Fu, Jiurong Liu*, Xiaoyu Li, Yu-Jun Bai*, Li-Ion storage performance of MnO nanoparticles coated with nitrogen-doped carbon derived from different carbon sources, *Electrochimica Acta* 146 (2014) 249-256 (SCI 一区)
4. **Guixia Lu**, XinzhenWang, Jiurong Liu*, Song Qiu, Cuizhu He, Bo Li, Wei Liu, One-pot synthesis and gas sensing properties of ZnO mesoporous architectures, *Sensors and Actuators B* 184 (2013) 85-92. (SCI 一区)

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5. Wenjing Du, Wenxu Si, Jinbo Zhao, Fenglong Wang, Zejun Han, Zhou Wang, Wei Liu, Guixia Lu, Jiurong Liu, Lili Wu, Mesoporous Fe-doped In_2O_3 nanorods derived from metal organic frameworks for enhanced nitrogen dioxide detection at low temperature. *Ceramics International* 2020, 46 (12), 20385-20394.
6. Xinzhen Wang, Fengjun Liu, Xiaoyan Chen, Guixia Lu, Xiaojie Song, Jian Tian, Hongzhi Cui, Guosong Zhang, Kuidong Gao, SnO_2 core-shell hollow microspheres co-modification with Au and NiO nanoparticles for acetone gas sensing *Powder Technology* 2020, 364, 159-166.
7. Xue Bai, Bo Zhang, Guan-Zhong Jiang, Jian-Ping Han, Ning Lun, Yong-Xin Qi, Jun Qiu, Gui-Xia Lu, Zhao Qian, Yu-Jun Bai, Effective enhancement in rate capability and cyclability of $\text{Li}_4\text{Ti}_5\text{O}_{12}$ enabled by coating lithium magnesium silicate. *Electrochimica Acta*, 2019, 295, 891-899.
8. Jian-Ping Han, Bo Zhang, Li-Ying Wang, Yong-Xin Qi, Hui-Ling Zhu, Gui-Xia Lu, Long-Wei Yin, Hui Li, Ning Lun, Yu-Jun Bai, Combined modification of dual-phase $\text{Li}_4\text{Ti}_5\text{O}_{12}$ - TiO_2 by lithium zirconates to optimize rate capabilities and cyclability. *ACS applied materials & interfaces*, 2018, 10 (29), 24910-24919.
9. Fengjun Liu, Guoxin Huang, Xinzhen Wang, Xiang Xie, Guogang Xu, Guixia Lu, Xuanmeng He, Jian Tian, Hongzhi Cui, High response and selectivity of single crystalline ZnO nanorods modified by In_2O_3 nanoparticles for n-butanol gas sensing. *Sensors and Actuators B*. 2018, 277, 144-151.
10. Yiran Wang, Joel Clancey, Guixia Lu, Jiurong Liu, Lili Liu, Jharna Chaudhuri, Steven George, Ming Xie, Suying Wei, Zhanhu Guo, Enhanced methanol oxidation with annealed atomic layer deposited platinum nanoparticles on carbon nanotubes. *Journal of the Electrochemical Society* 2016, 163 (2), F1-F10
11. Yun-Kai Sun, Xue Bai, Tao Li, Gui-Xia Lu, Yong-Xin Qi, Ning Lun, Yun Tian, Yu-Jun Bai, One-step fabrication of Fe-Si-O/carbon nanotube composite anode material with excellent high-rate long-term cycling stability. *Journal of Alloys and Compounds*, 2016, 686, 318-325.
12. Song Qiu, **Guixia Lu**, Jiurong Liu*, Hailong Lyu, Chenxi Hu, Bo Li, Xingru Yan, Jiang Guo, Zhanhu Guo*, Enhanced Electrochemical Performances of MoO_2 Nanoparticles Compositing with Carbon Nanotubes for Lithium-Ion Battery Anodes, *RSC Advances*, 2015, 5: 87286-87294
13. Chenxi Hu, Song Qiu, **Guixia Lu**, Huili Cao, Hailong Lv, Shimei Guo, Jiurong Liu*, Enhanced Electrochemical Performance of Barium Hexaferrite Nanoplates by Zn^{2+} Doping Serving as Anode Materials, *RSC Advances*, 2015, 5, 70749-70757
14. Song Qiu, Hongbo Gu, **Guixia Lu**, Jiurong Liu*, Xiaoyu Li, Ya Fu, Xingru Yan, Chenxi Hu, Zhanhu Guo*, Rechargeable Co_3O_4 Porous Nanoflake Carbon Nanotube Nanocomposite Lithium-Ion Battery Anodes with Enhanced Energy Performances, *RSC Advances*, 2015, 5: 46509-46516
15. Hailong Lv, Song Qiu, **Guixia Lu**, Ya Fu, Xiaoyu Li, Chenxi Hu, Jiurong Liu*, Nanostructured Antimony/Carbon Composite Fibers as Anode Material for Lithium-Ion Battery, *Electrochimica Acta*, 2015, 151: 214-221
16. You Zeng*, **Guixia Lu**, Han Wang, Jinhong Du, Zhe Ying, Chang Liu, Positive temperature coefficient thermistors based on carbon nanotube/polymer composites, *Scientific Reports*, 2014, 4: 6684
17. Shimei Guo, **Guixia Lu**, Song Qiu, Jiurong Liu*, Xinzhen Wang, Cuizhu He, Huige Wei, Xingru Yan, Zhanhu Guo*, Carbon-coated MnO microparticulate porous nanocomposites serving as anode materials with enhanced electrochemical performances, *Nano Energy* 9 (2014) 41-49

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18. Hailong Lv, Song Qiu, **Guixia Lu**, Ya Fu, Xiaoyu Li, Chenxi Hu, Jiurong Liu*, Nanostructured antimony/carbon composite fibers as anode material for lithium-ion battery, *Electrochimica Acta*, doi:10.1016/j.electacta.2014.11.013
19. Xinzhen Wang, Song Qiu, **Guixia Lu**, Cuizhu He, Jiurong Liu*, Liqiang Luan, Wei Liu*, Fabrication of porous MnO microspheres with carbon coating for lithium ion battery application, *CrystEngComm* 16 (2014) 1802-1809
20. Song Qiu, Xinzhen Wang, **Guixia Lu**, Jiurong Liu*, Cuizhu He, Facile synthesis of MnO and nitrogen-doped carbon nanocomposites as anode material for lithium ion battery, *Materials Letters* 136 (2014) 289-291
21. Chenxi Hu, Shimei Guo, **Guixia Lu**, Ya Fu, Jiurong Liu*, Huige Wei, Xingru Yan, Yiran Wang, Zhanhu Guo*, Carbon coating and Zn²⁺ doping of magnetite nanorods for enhanced electrochemical energy storage, *Electrochimica Acta* 148 (2014) 118–126
22. Yun-Kai Sun, Tao Li, Cheng Wei, Ning Zhao, Ning Lun, Gui-Xia Lu, Hui-Ling Zhu, Yong-Xin Qi, Yu-Jun Bai, Li-Ion storage performance of carbon-coated Mn-Al-O composite oxides. *Journal of Physical Chemistry C*, 2014, 118 (41), 23559-23566
23. Chenxi Hu, Shimei Guo, **Guixia Lu**, Ya Fu, Jiurong Liu*, Huige Wei, Xingru Yan, Yiran Wang, Zhanhu Guo*, Carbon Coating and Zn²⁺ Doping of Magnetite Nanorods for Enhanced Electrochemical Energy Storage, *Electrochimica Acta*, 2014, 148: 118-126
24. Xinzhen Wang, Song Qiu, Jiurong Liu, Cuizhu He, **Guixia Lu**, Wei Liu, Synthesis of mesoporous SnO₂ spheres and application in gas sensors, *European Journal of Inorganic Chemistry* (2014) 863-869
25. You Zeng, Lijia Zhao, Wendong Wu, Guixia Lu, Feng Xu, 12、Yu Tong, Wenbin Liu, Jinhong Du, Enhanced adsorption of malachite green onto carbon nanotube/polyaniline composites. *Journal of Applied polymer*, 2013, 127 (4), 2475-2482
26. Xinzhen Wang, Song Qiu, Cuizhu He, **Guixia Lu**, Wei Liu, Jiurong Liu*, Synthesis of Au decorated SnO₂ mesoporous spheres with enhanced gas sensing performance, *RSC Advances* 3 (2013) 19002-19008
27. 曾 尤, **卢桂霞**, 赵丽佳, 李秋义 “颗粒整形再生胶砂需水量和强度研究”, 沈 阳 建 筑 大 学 学 报 (自 然 科 学 版) 2 (2011) 302-306.

专利:

曾尤, **卢桂霞**, 吴文栋, 赵丽佳, 甄影, 佟钰, 一种耐大电流的热敏电阻聚合物复合材料及其制备方法, 授权专利号: ZL 2010 1 0558096.5, 中国

主讲课程:

本科: 复合材料, 能源材料, 土木工程材料

研究生: 材料科学与工程新进展, 现代土木工程材料, 新型功能材料, 先进功能材料, 绿色建筑与技术,

个人奖励:

获得“全国高等学校建筑材料青年教师讲课比赛”三等奖,“校十一届中青年讲课比赛”三等奖、“2017 院青年教师讲课比赛”一等奖、“智慧教学实践教师”荣誉称号、“2016 校三八红旗手称号”,“院优秀毕业设计指导教师”。指导学生获得国家大学生创新创业项目、山东省大学生创新创业项目、校科技立项项目。