

硕士生导师罗元政简介



罗元政，男，中共党员，博士，讲师，硕士生导师。2010年获武汉工程大学自动化专业学士学位，2013年获得中国地质大学(武汉)机械工程专业硕士学位，2017年获得华中科技大学微电子与固体电子学、博士学位。现为广东海洋大学物理与光电科学系讲师，第二届先进纳米材料国际会议技术委员。国际期刊《ACS Nano》、《Nanoscale》及《Sensors》审稿人。

主讲《大学物理》、《传感器原理与器件》、《微机控制技术》等课程。长期从事新能源材料和低碳技术等方面的研究工作，研究兴趣：新兴生物质复合材料的合成、石墨烯基纳米材料和结构的控制合成、锂硫电池、锂离子电池、摩擦纳米发电机的开发和应用等方面的研究。近期主持广东省基础与应用基础基金1项、广东省“创新强校”工程项目1项及广东海洋大学教学科研项目1项，以第一作者和通讯作者发表SCI论文9篇，授权申请发明专利3项，已有较好的实验研究基础。从锂电池材料工艺流程到组装测试各方面，建成学院内首个新能源材料器

件方向的实验室，各类实验仪器和加工测试设备齐全可以高效运转，并已在柔性电极材料、高比能锂硫电池和摩擦纳米发电机等研究领域取得了一定的进展。近5年科研论文

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[2] **Luo Yuanzheng**, Ye Z, Liao S, Wang F, Shao J. Mechanically Tunable Spongy Graphene/Cellulose Nanocrystals Hybrid Aerogel by Atmospheric Drying and Its Adsorption Applications. *Materials*. 2021 11;14(20):5961.

[3] Ji, X, Li, Q, **Luo Yuanzheng** *, & Li, B*. Three-dimensional ordered macroporous ZIF-8 nanoparticle-derived nitrogen-doped hierarchical porous carbons for high-performance lithium-sulfur batteries[J]. *RSC Advances*, 2020,10, 41983.

[4] Hu, Z., Ji, X., Li, B*, & **Luo Yuanzheng** *. A self-assembled graphene/polyurethane sponge for excellent electromagnetic interference shielding performance[J]. *RSC advances*, 2019, 9(44): 25829-25835.

[5] **Luo Yuanzheng**, Jiang S, Xiao Q, et al. Highly reusable and superhydrophobic spongy graphene aerogels for efficient oil/water separation[J]. *Scientific reports*, 2017, 7(1): 7162.

[6] **Luo Yuanzheng**, Xiao Q, Li B. A stretchable pressure-sensitive array based on polymer matrix[J]. *Sensors*, 2017, 17(7): 1571.

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[9] Li Buyin; Xiao Qi; **Luo Yuanzheng** ; A modified synthesis process of threedimensional sulfur/graphene aerogel as binder-free cathode for lithium sulfur batteries, *Materials and Design*, 2018, 153: 9-14

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联系方式: luoyz@gdou.edu.cn