

## 山东交通学院硕士研究生导师简介表

导师姓名	褚瑞霞	性 别	女	
出生年月	1990.05	职 称	讲师	
学历、学位	研究生、博士	所在单位	汽车工程学院	
学科专业	交通运输			
研究方向	新能源汽车动力电池关键材料开发、动力电池综合性能评价及检测诊断			
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个人简历 学术成果简介	<p><b>个人简介:</b> 褚瑞霞，工学博士，学术副教授，能源与动力工程系教师，汽车动力系统智能检测及高端装备山东省工程研究中心秘书，济南市高层次人才，山东省科技科创大赛金牌指导教师。近三年，主持动力电池关键技术研究课题3项，其中省部级以上项目1项；作为核心成员参与山东省自然科学基金面上项目、山东省交通科技创新计划项目等。在国际刊物《Nanoscale》、《Journal of Alloys and Compounds》、《Energies》等上以第一作者或通讯作者发表SCI/EI论文7篇，授权发明专利10余项。指导学生获第九届山东省大学生科技创新大赛一等奖、第十四届“挑战杯”中国大学生创业计划竞赛山东省铜奖。</p> <p><b>目前从事科学研究工作:</b></p> <ol style="list-style-type: none"> <li>主持：山东省科技型中小企业创新能力提升项目，新能源汽车动力电池快速检测评价系统开发及应用</li> <li>主持：横向课题，动力电池高性能NCM622-C复合正极制备工艺综合评价研究</li> <li>参与：山东省自然科学基金面上项目，基于智能网联汽车台试的路阻反馈研究</li> <li>参与：山东省交通科技创新计划项目，电动汽车快速检测技术及标准研究</li> </ol> <p><b>发表代表性论文或专利:</b></p> <ol style="list-style-type: none"> <li>Wanyou Huang, Dongying Liu, <b>Ruixia Chu*</b>, Fangyuan Qiu, Zhenyu Li, Xiaoyue Jin, Hongtao Zhang, Yan Wang and Shaobo Ji. Analysis of resistance influencing factors of a bench system based on a self-developed four-wheel drive motor vehicle chassis dynamometer[J]. Machines, 2024, 12(8), 580.</li> <li><b>Ruixia Chu</b>, Wanyou Huang, Jun Yang, Kesong Zhang, Fangyuan Qiu, Shiwei Tan, Peidong Zhu, Dongying Liu. A self-supporting Cu<sub>2</sub>S/CP lithium-ion battery anode. Journal of Physics: Conference Series, Volume</li> </ol>			

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6. Xin Chen, Jie Lin, Yanli Chen, Jie Zhang, Heng Jiang, Fangyuan Qiu, **RuixiaChu\***, Hang Guo\*. Binder-free and self-supported reduced graphene oxide coated Cu<sub>2</sub>SnS<sub>3</sub>/Carbon nanofibers for superior lithium storage[J]. Journal of Alloys and Compounds, 2020, 842, 155619.
7. **Ruixia Chu**, Jie Lin, Changqing Wu, Jian Zheng, Yanli Chen, Jie Zhang, Ruihua Han, Ying Zhang, Hang Guo\*. Reduced graphene oxide coated porous carbon-sulfur nanofiber as flexible paper electrode for lithium-sulfur battery[J]. Nanoscale, 2017, 9(26): 9129-9138.
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