

姓名： 卢春玲

学位职称： 博士/讲师

办公电话： 04125928579

Email： 1061790993@qq.com

主讲课程： 大学物理实验, 普通物理实验

科研方向： 新能源材料与器件, 光电催化与新能源材料



教育工作简历：

本科 2009.09-2013.06 沈阳师范大学 化学

硕士 2013.09-2015.06 东北师范大学 学科教学（化学）

博士 2017.09-2020.12 吉林大学 凝聚态物理

学术成果：

【代表性学术论文】

1、Yaowei Liu, Yuchen Cao, Shisheng Sun, **Chunling Lu**^{*}, Biao Wang, Gaobin Liu, Shoushan Gao, Bingbing Niu^{*}, Novel CO₂-tolerant Co-based double perovskite cathode for intermediate temperature solid oxide fuel cells, Journal of the European Ceramic Society 43 (2023) 1028-1038.

2、Chengyi Wen, Kai Chen, Dong Guo, Wen Yang, Shoushan Gao, **Chunling Lu**, Bingbing Niu^{*}, Biao Wang^{*}, High performance and stability of PrBa_{0.5}Sr_{0.5}Fe₂O_{5+δ} symmetrical electrode for intermediate temperature solid oxide fuel cells, Solid State Ionics 386 (2022) 116048.

3、Bingbing Niu, **Chunling Lu**, Baomin Xu^{*}, et al. Polybenzimidazole and ionic liquid composite membranes for high temperature polymer electrolyte fuel cells, Solid State Ionics 361 (2021) 115569.

4、**Chunling Lu**, Bingbing Niu, Baomin Xu^{*}, et al. In-situ growth of nanoparticles-decorated double perovskite electrode materials for symmetrical solid oxide cells, Applied Catalysis B: Environmental 270 (2020) 118842.

5、**Chunling Lu**, Baomin Xu^{*}, Yuan Ji^{*}, Efficient symmetrical electrodes of PrBaFe_{2-x}CoxO_{5+δ} (x=0, 0.2,0.4) for solid oxide fuel cells and solid oxide electrolysis cells, Electrochimica Acta 358 (2020) 136916

6、**Chunling Lu**, Baomin Xu^{*}, Yuan Ji^{*}, et al. Efficient and stable symmetrical electrode La_{0.6}Sr_{0.4}Co_{0.2}Fe_{0.7}Mo_{0.1}O_{3ed} for direct hydrocarbon solid oxide fuel cells, Electrochimica Acta 323 (2019) 134857

7、Shenglong Yu, Hailin Bi, **Chunling Lu**, Xiaomei Liu^{*}, et al. Effect of grain

size on the electrical properties of strontium and magnesium doped lanthanum gallate electrolytes [J]. Journal of Alloys and Compounds, 2019, 777: 244.

【主要科研项目】

1、低成本新型燃料电池用催化剂和电解质膜的研究，项目号：2022-BS-279，辽宁省科技厅博士启动基金，2022.8-2024.7，主持

2、中低温质子导体固体氧化物燃料电池对称电极材料设计及性能研究，项目号：LJKQZ20222308，辽宁省教育厅青年项目，2022.11-2024.11，主持