淮北师范大学研究生导师简介表

<table>
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<tr><td>导师类别：</td><td colspan="2">学硕 技术职称： 讲师</td></tr>
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<tr><td>招生专业名称</td><td colspan="2">材料科学与工程</td></tr>
<tr><td rowspan="2">主要研究方向</td><td colspan="2">新能源材料及其相关技术</td></tr>
<tr><td colspan="3">新能源器件的组装及其相关技术</td></tr>
<tr><td>个人简历</td><td colspan="4">中国科学技术大学硕博连读，2022 年 6 月于淮北师范大学任教。近年来主要从事于新能源材料的制备、器件的组装及其相关技术的研究。以第一/通讯作者在 Journal of Power Sources, Journal of Materials Chemistry A, Journal of Materials Science & Technology, Materials Today Chemistry, Journal of Materials Chemistry C, International Journal of Hydrogen Energy 等国际期刊上发表高水平论文 10 余篇。目前正在主持安徽省高校自然科学基金重点项目、安徽省重点实验室开放课题各 1 项，企业横向课题 2 项。</td></tr>
<tr><td>主要学术成就</td><td colspan="4">五篇代表性论文论著：
1. <u>Han Li,</u> Zibo Wei, Xulong Yuan, Yujie Zhao, Qingling Jia, Yong Li, Dong Ma, Bing Li, Yongxing Zhang*, Xuebin Zhu, Revealing 1T-MoS_2 with 76% purity induced by various saccharides for supercapacitor performance, Journal of Power Sources, 2024, 608, 234648.
2. <u>Han Li,</u> Shuai Lin, Lili Zhu, Jie Ru, Dong Ma, Xin Wang, Bing Li, Yongxing Zhang*, Xuebin Zhu*, 3D heterostructure constructed by few-layer 1T MoS_2 and MXene under high electrostatic fields for high-performance supercapacitors, Journal of Power Sources, 2023, 584, 233627.
3. <u>Han Li,</u> Shuai Lin*, Hui Li, Ziqiang Wu, Lili Zhu, Changdian Li, Xuebin Zhu*, Yuping Sun, Highly stable and uniformly dispersed 1T-MoS_2 nanosheets co-induced by chemical pressure and 2D template method with high supercapacitor performance, Journal of Materials Chemistry A, 2022, 10, 7373-7381.
4. <u>Han Li,</u> Hui Li, Ziqiang Wu, Lili Zhu, Changdian Li, Shuai Lin, Xuebin Zhu*, Yuping Sun, Realization of high-purity 1T-MoS_2 by hydrothermal synthesis through synergistic effect of nitric acid and ethanol for supercapacitors, Journal of Materials Science & Technology, 2022, 123, 34-40.
5. <u>Han Li</u>$^{\#}$<u>,</u> Lili Zhu$^{\#}$, Changdian Li, Ziqiang Wu, Hui Li, Qian Chen,</td></tr>
</table>

	Yanan Huang, Xuebin Zhu*, Yuping Sun, S-doping induced phase engineering of $MoSe_2$ for hydrogen evolution reaction, ***International Journal of Hydrogen Energy,*** 2022, 47, 30371-30377.

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