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<tr><td rowspan="2">基本情况</td><td>姓名</td><td>孙美玲</td><td>性别</td><td>女</td><td>出生</td><td>1986.10</td><td>所在系部</td><td>光电信息科学与工程</td></tr>
<tr><td>职称</td><td>讲师</td><td>学历</td><td>研究生</td><td>学位</td><td>博士</td><td>政治面貌</td><td>党员</td></tr>
<tr><td>主要研究方向</td><td colspan="8">1. 薄膜太阳能电池方向半导体材料与器件的制备及光电性能研究；
2. 光催化方向半导体材料的制备及光降解有机污染物的性能研究。</td></tr>
<tr><td rowspan="4">学习工作经历</td><td colspan="2">起止时间</td><td colspan="2">学校（单位）名称</td><td colspan="2">专业/职业</td><td colspan="2">学历层次</td></tr>
<tr><td colspan="2">2011.09 - 2014.06</td><td colspan="2">吉林大学</td><td colspan="2">凝聚态物理</td><td colspan="2">博士</td></tr>
<tr><td colspan="2">2009.09 - 2011.09</td><td colspan="2">吉林大学</td><td colspan="2">凝聚态物理</td><td colspan="2">硕士</td></tr>
<tr><td colspan="2">2005.09 - 2009.07</td><td colspan="2">曲阜师范大学</td><td colspan="2">物理学</td><td colspan="2">学士</td></tr>
<tr><td>主要成果</td><td colspan="8">课题：1.主持山东省优秀中青年科学家科研奖励基金：三维分级结构 TiO_2 薄膜的微观结构优化及其在太阳能电池中的光电特性研究（No. ZR2016FB16）；
2.主持横向课题：FTO 电极元件的设计与开发。

论文/著作：1. Guangchao Yin, Guodong Zhao, Hong Yin, Fuchao Jia, Qiang Jing, Shenggui Fu, Meiling Sun*, Wei Gao*, Low-temperature synthesis of apatite-type $La_{9.33}Ge_6O_{26}$ as electrolytes with high conductivity, Chinese Physics B 2018, 27(4), 048201.
2. Junkai Zhang, Ji Qi, Yanzhang Ma, Tingjing Hu, Jiejuan Yan, Feng Ke, Xiaoyan Cui, Yang Gao, Meiling Sun*, Chunxiao Gao*, Correlation between the structural change and the electrical transport properties of indium nitride under high pressure, Physical Chemistry Chemical Physics 2017.9.6, 19, 26758~26764.
3. Guangchao Yin, Meiling Sun*, Yunyan Liu, Yuping Sun, Tong Zhou, Bo Liu, Performance improvement in three-dimensional heterojunction solar cells by embedding CdS nanorod arrays in CdTe absorbing layers, Solar Energy Materials & Solar Cells 2017, 159, 418-426.
4. Meiling Sun, Wuyou Fu, Qian Li, Guangchao Yin, Kailin Chi, Jinwen Ma, Yannan Mu, Yanli Chen, Shi Su, Haibin Yang*. Embedded CdS nanorod arrays in PbS absorber layers: Enhanced energy conversion efficiency in thin film solar cells, RSC Advances 2014, 4, 7178-7184.
5. Meiling Sun, Wuyou Fu, Qian Li, Guangchao Yin, Kailin Chi, Xiaoming Zhou, Jinwen Ma, Lihua Yang, Yannan Mu, Yanli Chen and Haibin Yang*. Facile fabrication of CdS nanorod arrays on the transparent conducting substrates and their photoelectrochemical</td></tr>
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properties, **Journal of Crystal Growth** 2013, 377, 112-117.

6. **Meiling Sun**, Wuyou Fu*, Haibin Yang, Yongming Sui, Bo Zhao, Guangchao Yin, Qian Li, Hui Zhao and Guangtian Zou. One-step synthesis of coaxial Ag/TiO_2 nanowire arrays on transparent conducting substrates: Enhanced electron collection in dye-sensitized solar cells, **Electrochemistry Communications** 2011, 13, 1324-1327.

7. Guangchao Yin, Hong Yin, Xin Wang, **Meiling Sun**, Shenggui Fu, Wei Gao*, Subtle high-pressure behaviors of apatite-type $La_{9.33}Ge_6O_{26}$, **Journal of Alloys and Compounds** 2018, 735, 750-755.

8. Junkai Zhang, Yanzhang Ma, **Meiling Sun**, Guangchao Yin*, Jinghai Yang*, Structural and electrical properties of InN hollow nanotubes under high pressure, **Materials Letters** 2018, 213, 306-310.

9. Guangchao Yin, Hong Yin, **Meiling Sun**, Wei Gao*, Pressure-induced structural evolution of apatite-type $La_{9.33}Si_6O_{26}$, **Chin. Phys. B** 2018, 27, 018202.

10. Guangchao Yin, Hongyang Zhu, Xiaoxin Wu, Linhong Zhong, **Meiling Sun**, Ridong Cong, Jian Zhang, Wei Gao*, Qiliang Cui, High-pressure phase transition and unusual compressibility of apatite-type $La_{10}Si_6O_{27}$, **Journal of Alloys and Compounds** 2014, 86, 279-284.

11. Guangchao Yin, Hong Yin, Xin Wang, **Meiling Sun**, Linhong Zhong, Ridong Cong, Hongyang Zhu, Wei Gao*, Qiliang Cui, Mg Doping Effect on High-Pressure Behaviors of Apatite-type Lanthanum Silicate, **Journal of Alloys and Compounds** 2014, 611, 24–29.

12. Guangchao Yin, Hong Yin, **Meiling Sun**, Linhong Zhong, Junkai Zhang, Ridong Cong, Wei Gao*, Qiliang Cui, New approach to improve the conductivity of apatite-type lanthanum germanate $La_{9.33}Ge_6O_{26}$ as electrolyte for IT-SOFCs, **RSC Advances** 2014, 4: 15968-15974.

13. Guangchao Yin, Linhong Zhong, **Meiling Sun**, Junkai Zhang, Xiaojun Xie, Ridong Cong, Wei Gao*, Qiliang Cui, Crystal structure and ionic conductivity of Mg doped apatite-type lanthanum silicates $La_{10}Si_{6-x}Mg_xO_{27-x}$ (x= 0-0.4), **Chinese Physics B** 2014, 23, 048202.

14. Shuli Cheng, Wuyou Fu, Haibin Yang*, Lina Zhang, Jinwen Ma, Hui Zhao, **Meiling Sun**, and Lihua Yang. Photoelectrochemical Performance of Multiple Semiconductors (CdS/CdSe/ZnS) Cosensitized TiO_2 Photoelectrodes, **Journal of Physical Chemistry C**

	2012, 116, 2615–2621. 15. Qian Li, Yufen Yang, **Meiling Sun**, Yannan Mu, Wuyou Fu, Haibin Yang* and Lecheng Tian. Electrodeposition of a novel CdTe array on Ni foils and photoelectrochemical performance, **CrystEngComm** 2013, 15, 6911–6917. 16. Qian Li, Lecheng Tian, Kailin Chi, Haibin Yang*, **Meiling Sun**, Wuyou Fu. Electrochemical growth and characterization of CdTe nanorod arrays, **Applied Surface Science** 2013, 270, 707–711. 17. Xiaoming Zhou, Wuyou Fu, Haibin Yang*, Yixing Li, Yanli Chen, **Meiling Sun**, Jinwen Ma, Lihua Yang, Bo Zhao and Lecheng Tian. CdS quantum dots sensitized SnO_2 photoelectrode for photoelectrochemical application, **Electrochimica Acta** 2013, 89, 510–515. 18. Qiang Jing, Wuyou Fu, Wancheng Li, Haibin Yang*, Minghui Li, Jinwen Ma, Xiaoming Zhou, **Meiling Sun**, Hui Zhao, Yanyan Zhang, Wenyan Zhao, Lina Zhang and Hui Chen. Synthesis of snowflake-like multi-layered ZnO with controllable pore sizes and its photocatalytic property, **Applied Surface Science** 2012, 258, 3604–3610. 19.Huizhen Yao, Wuyou Fu, Haibin Yang*, Jinwen Ma, **Meiling Sun**, Yanli Chen, Wenjiao Zhang, Di Wu, Pin Lv, Meijing Li. Vertical Growth of Two-Dimensional TiO_2 Nanosheets Array Films and Enhanced Photoelectrochemical Properties Sensitized by CdS Quantum Dots. **Electrochimica Acta** 2014, 125, 258-265. 20. Yunyan Liu, Tong Zhou, **Meiling Sun**, Dong Zhao, Qinqin Wei, Yan Sun, Rendong Wang, Fangming Jin, Quanlin Niu*, Zisheng Su*, Scaling behavior and morphology evolution of CH3NH3PbI3 perovskite thin films grown by thermal evaporation, **Materials Research Express**, 2017, 4, 075510.
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