

李昊轩

1. 个人简介

李昊轩，男，1990年3月生，2012年获得东华大学非织造材料与工程学士学位，2018年获得东华大学与佐治亚理工学院联合培养非织造材料与工程博士学位，随后分别在深圳大学和香港科技大学开展博士后研究。2021年6月任江南大学纺织科学与工程学院校聘研究员，硕士生导师，主要从事非织造材料的成型、结构调控及应用研究。



已发表 SCI 论文 30 余篇，其中第一作者/通讯作者在 *Adv. Mater*, *Angew. Chem. Int. Ed*, *Adv. Sci*, *ACS Appl. Mater. Interfaces*, *J. Mater. Chem. C*, *Macromol. Rapid Commun* 等杂志发表论文 12 篇。授权国家发明专利 2 项，申请国家发明专利 2 项，主持中国博士后科学基金一项，并获得深圳市海外高层次人才孔雀计划资助。多次担任 *Materials Science & Engineering C*, *Journal of Industrial Textile* 等国际期刊审稿人。

代表作如下：

- 1 Guoshuai Zhu, Gaoxing Jing, Guorong Xu, Qiang Li, Ruijia Huang, Feng Li, **Haoxuan Li**,* Dong Wang,* Wenwen Chen,* Beng Zhong Tang, A green and efficient strategy facilitates continuous solar-induced steam generation based on tea-assisted synthesis of gold nanoflowers, *Nano Research* 2022, 15, 6705-6712. (IF=10.2 一区)
2. Yaqin Zhu, Guangliang Tian, Yiwen Liu, **Haoxuan Li**,* Pengcheng Zhang, Lei Zhan, Rui Gao,* and Chen Huang*, Low-cost, Unsinkable and Highly Efficient Solar Evaporators Based on Coating MWCNTs on Nonwovens with Unidirectional Water-transfer, *Adv. Sci.* **2021**, 8, 2101727. (IF=16.8 一区)
3. **Haoxuan Li**, Wei Zhu, Meng Li, Ying Li, Ryan T. K. Kwok, Jacky W. Y. Lam, Lei Wang, Dong Wang, Ben Zhong Tang, Side Area-Assisted 3D Evaporator with Antibiofouling Function for Ultra-Efficient Solar Steam Generation, *Adv. Mater.* **2021**, 33, 2102258. (IF=30.8 一区)
4. **Haoxuan Li**, Haifei Wen, Zhijun Zhang, Nan Song, Ryan T. K. Kwok, Jacky W. Y. Lam, Lei Wang, Dong Wang, and Ben Zhong Tang, Inverse Thinking of Aggregation-Induced Emission Principle: Amplifying Molecular Motions to Boost Photothermal Efficiency of Nanofibers. *Angew. Chem. Int. Ed.* **2020**, 59, 20371-20375. (IF=15.3 一区)

5. **Haoxuan Li**, Haifei Wen, Jie Li, Jiachang Huang, Dong Wang, Ben Zhong Tang. Doping AIE Photothermal Molecule into All-Fiber Aerogel with Self-Pumping Water Function for Efficiency Solar Steam Generation. *ACS Appl. Mater. Interfaces* **2020**, 12, 26033-26040. (IF=9.2 一区)
6. **Haoxuan Li**, Tong Wu, Jiajia Xue, Qinfei Ke, Younan Xia. Transforming Nanofiber Mats into Hierarchical Scaffolds with Graded Changes in Porosity and/or Nanofiber Alignment. *Macromol. Rapid Commun.* **2020**, 41, 1900579 (IF=5.7 二区)
7. **Haoxuan Li**, Wenxin Zhang, Qian Ding, Xiangyu Jin, Qinfei Ke, Zhaoling Li, Dong Wang, Chen Huang. Facile Strategy for Fabrication of Flexible, Breathable, and Washable Piezoelectric Sensors via Welding of Nanofibers with Multiwalled Carbon Nanotubes (MWCNTs). *ACS Appl. Mater. Interfaces* **2019**, 11, 38023–38030. (IF=9.2 一区)
8. **Haoxuan Li**, Tong Wu, Minghao Xie, Yifeng Shi, Ming Zhao, Legna M. Figueroa-Cosme, Qinfei Ke, Younan Xia. Enhancing the Tactile and Near-Infrared Sensing Capabilities of Electrospun PVDF Nanofibers with the Use of Gold Nanocages. *J. Mater. Chem. C* **2018**, 6, 10263-10269. (IF=7.4 一区)
9. **Haoxuan Li**, Chunlei Zhu, Jiajia Xue, Qinfei Ke, Younan Xia. Enhancing the Mechanical Properties of Electrospun Nanofiber Mats through Controllable Welding at the Cross Points. *Macromol. Rapid Commun.* **2017**, 38, 1600723. (IF=5.7 二区)

2. 研究生教育 (纺织工程)

- (1) 非织造材料结构的调控研究 (纤维交叉点焊接)
- (2) 全纤维柔性汗液检测可穿戴传感器的研究
- (3) 全纤维光驱动能量转换材料的研究

3. 联系方式

通信地址: 江苏省无锡市蠡湖大道 1800 号江南大学纺织科学与工程学院

邮编: 214122

办公室: 纺织学院 D 401 室

手机: 13917975382

E-mail: lihaox@jiangnan.edu.cn