孙佳

个人简介

孙佳

男，副教授，硕士生导师。湖南大学与中国科学院宁波材料技术与工程研究所联合培养博士，2012年获理学博士学位。2017-2018年成均馆大学博士后。主要从事半导体器件与物理等方面的研究工作。以第一/通讯作者在国际期刊Advanced Functional Materials、The Journal of Physical Chemistry Letters、ACS Photonics、Advanced Electronics Materials、Applied Physics Letters、Nanoscale、ACS Applied Materials & Interfaces等杂志上发表SCI论文30余篇。主持国家自然科学基金青年项目、中国博士后特别资助、中国博士后科学基金一等资助、湖南省自然科学基金以及湖南省科技计划项目5项。

个人主页：
http://faculty.csu.edu.cn/sunjia/zh_CN/index.htm

研究兴趣：
1. 微纳光电器件
2. 突触电子器件
3. 半导体器件表面/界面原位研究

学生培养：目前指导研究生6人。组内已4位学生获得国家奖学金。每年计划招收物理或者电子类研究生3人，欢迎加盟！
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学术成果

近期代表性论文：

(1). Chuan Qian, Jia Sun,* Ling-An Kong, Yongbo Yuan, Han Huang, Yongli Gao and Junliang Yang*. High-Performance Organic Heterojunction Phototransistors based on Highly Ordered Copper Phthalocyanine/para-Sexiphenyl Thin Films [J]. Advanced Functional Materials, 2017, 27: 1604933 (Back Cover, 影响因子: 11.382).

(2). C. Qian, L. Kong, J. Yang, Y. Gao*, and J. Sun*. Multi-Gate Organic Neuron Transistors for Spatiotemporal Information Processing [J]. Applied Physics Letters, 2017, Accepted (影响因子: 3.142).

(3). L. Kong, J. Sun*, C. Qian, C. Wang, J. Yang and Y. Gao. Spatially-Correlated Neuron Transistors with Ion-Gel Gating for Brain-Inspired Applications [J]. Organic Electronics, 2017, Accepted (影响因子: 3.471).

(4). Chuan Qian, Jia Sun,* Ling-an Kong, Guangyang Gou, Junliang Yang, Jun He, Yongli Gao* and Qing Wan*. Artificial Synapses Based on In-Plane Gate Organic Electrochemical Transistors [J]. ACS Applied Materials & Interfaces, 2016, 8: 26169-16175 (影响因子: 7.145).

(5). G. Gou, G. Dai*, C. Qian, Y. Liu, Y. Fu, Z. Tian, Y. He, L. Kong, J. Yang, J. Sun* and Y. Gao. High-performance ultraviolet photodetectors based on CdS/CdS:SnS2 superlattice nanowires [J]. Nanoscale, 2016, 8: 14580 (影响因子: 7.76).

(6). Ling-an Kong, Jia Sun*, Chuan Qian, Guangyang Gou, Yinke He, Junliang Yang, and Yongli Gao. Ion-Gel Gated Field-Effect Transistors with Solution-Processed Oxide Semiconductors for Bioinspired Artificial Synapses [J]. Organic Electronics, 2016, 39: 64-70 (影响因子: 3.471).

(7). Guangyang Gou, Jia Sun*, Chuan Qian, Guozhang Dai*, Junliang Yang and Yongli Gao. Artificial Synapses Based on Biopolymer Electrolyte Coupled SnO2 Nanowire Transistors [J]. Journal of Materials Chemistry C, 2016, 4: 11110-11117 (影响因子: 5.066).

(8). X. Hu, J. Sun*, C. Qian, F. Liu, J. Yang, G. Guo* and Y. Gao. Low contact resistance in solid electrolyte-gated ZnO field-effect transistors with ferromagnetic contacts [J]. Journal of Materials Chemistry C, 2016, 4: 150 (影响因子: 5.066).