



教师一览

当前位置: 首页 >> 师资队伍 >> 教师一览 >> 正文

符秀丽

日期: 2022-11-29 信息来源: 点击数:8109

	导师姓名	符秀丽
	职务/职称	教授
	博士招生专业	140100集成电路科学与工程
	学术型硕士招生专业	140100集成电路科学与工程
	专业型硕士招生专业	085403集成电路工程
	联系电话	
	办公地点	主楼309
	邮箱	xiulifu@bupt.edu.cn

符秀丽，北京邮电大学集成电路学院教授，博士生导师，中国硅酸盐学会测试技术分会理事。2006年毕业于中国科学院物理研究所获博士学位，2006-2007年在德国马普微结构物理研究所从事博士后研究工作。目前已在Physical Review Letters、Advanced Materials、Nano Energy等国际期刊上发表SCI检索论文130余篇，被引用2000余次。获授权国家发明专利40余项。先后主持国家自然科学基金项目5项，参与973计划项目、国家自然科学基金联合基金等省部级以上项目多项。获北京邮电大学“优秀育人导师”、“优秀博士学位论文指导教师”等荣誉称号。

主要研究方向

主要从事新型传感器、传感器阵列在片集成与数据融合等方面的研究，具体包括：（1）基于新材料、新原理和新结构的生物/气体/磁光等传感器；（2）多功能传感阵列在片集成电路设计；（3）智能传感器芯片。

代表性成果

1. Liang Jiaji, Xing Junjie, Guan Shundong, Zhang Bo, Fu Xiuli. Hierarchical CoNb₂O₆@CoOOH core-shell composite on carbon fabric for aqueous supercapacitor anode with high capacitance and super-long life. Electrochimica Acta, 2022, 406, 139845.

2. Zhang Bo, Fu Xiuli, Song Li, Wu Xiaojun. Improving hydrogen evolution reaction performance by combining tungsten carbide and nitrogen-doped graphene: A first-principles study. Carbon, 2021, 172: 122-131.

3. Peng Fang, Yu Weiwei, Lu Yue, Sun Yan, Fu Xiuli, Hao Jiaming, Chen Xin, Cong Rui, Dai Ning. Enhancement of low-temperature gas-sensing performance using substoichiometric WO_{3-x} modified with CuO . *ACS Applied Materials & Interfaces*, 2020, 12: 41230-41238.
4. Guan Shundong, Fu Xiuli, Zhang Bo, Lei Ming, Peng Zhijian. Cation-exchange-assisted formation of NiS/SnS_2 porous nanowalls with ultrahigh energy density for battery-supercapacitor hybrid devices. *Journal of Materials Chemistry A*, 2020, 8: 3300-3310.
5. Liu Zhaoxian, Zhao Zhizhen, Zeng Xiangwen, Fu Xiuli, Hu Youfan. Expandable microsphere-based triboelectric nanogenerators as ultrasensitive pressure sensors for respiratory and pulse monitoring. *Nano Energy*, 2019, 59: 295-301.
6. Liu Zhaoxian, Zhao Zhizhen, Zeng Xiangwen, Fu Xiuli, Hu Youfan. Ultrathin, flexible and transparent graphene-based triboelectric nanogenerators for attachable curvature monitoring. *Journal of Physics D-Applied Physics*, 2019, 52: 314002.
7. Liu Zhaoxian, Zhao Zhizhen, Zeng Xiangwen, Fu Xiuli, Hu Youfan. Expandable microsphere-based triboelectric nanogenerators as ultrasensitive pressure sensors for respiratory and pulse monitoring. *Nano Energy*, 2019, 59: 295-301.
8. Ren Junqing, Bi Ke, Fu Xiuli, Peng Zhijian. Novel $Al_2Mo_3O_{12}$ -based temperature-stable microwave dielectric ceramics for LTCC applications. *Journal of Materials Chemistry C*, 2018, 6: 11465-11470.
9. Zhao Zhizhen, Liu Junjie, Wang Zhenhai, Liu Zhaoxian, Zhu Wenqing, Xia Huarong, Yang Tian, He Fang, Wu Yanbing, Fu Xiuli, Peng Lianmao, Wei Xiaoding, Hu Youfan. Ultrasensitive triboelectric nanogenerator for weak ambient energy with rational unipolar stacking structure and low-loss power management. *Nano Energy*, 2017, 41: 351-358.
10. Zhao Zhizhen, Yan Casey, Liu Zhaoxian, Fu Xiuli, Peng Lianmao, Hu Youfan, and Zheng Zijian. Machine-washable textile triboelectric nanogenerators for effective human respiratory monitoring through loom weaving of metallic yarns, *Advanced Materials*, 2016, 28: 10267-10274.