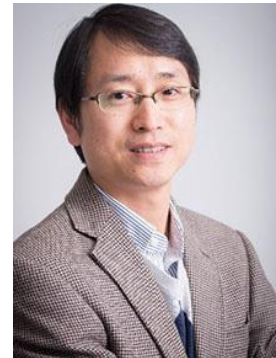


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Academic Qualification:

- Ph.D. in Condensed Matter Physics, University of Science and Technology of China (USTC), 2004
- B.S. in Condensed Matter Physics, University of Science and Technology of China (USTC), 1999

Teaching Area

Materials science and Engineering

Research Area

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Working Experience

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Academic Publication (selected)

- Zhibin Shao, Tianhao Jiang, Xiujian Zhang, Xiaohong Zhang*, Xiaofeng Wu, Feifei Xia, Shiyun Xiong, Shuit-Tong Lee*, **Jiansheng Jie***, "Memory phototransistors based on exponential association photoelectric conversion law", *Nat. Commun.* 2019, 10, 1294.
- Wei Deng, **Jiansheng Jie***, Xiuzhen Xu, Yanling Xiao, Bei Lu, Xiujian Zhang and Xiaohong Zhang*, "A Microchannel - Confined Crystallization Strategy Enables Blade Coating of Perovskite Single Crystal Arrays for Device Integration", *Adv. Mater.* 2020, 1908340.
- Jinwen Wang, Xiaofeng Wu, Jing Pan, Tanglue Feng, Di Wu, Xiujian Zhang, Bai Yang, Xiaohong Zhang, **Jiansheng Jie***, "Graphene - Quantum - Dots - Induced Centimeter - Sized Growth of Monolayer Organic Crystals for High - Performance Transistors", *Adv. Mater.* 2020, DOI: 10.1002/adma.202003315.
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- Xiujian Zhang, Jian Mao, Wei Deng, Liming Huang, Xiaohong Zhang, Shuit-Tong Lee, **Jiansheng Jie***, "Precise Patterning of Laterally Stacked Organic Microbelt Heterojunction Arrays by Surface-energy Controlled Stepwise Crystallization for Ambipolar Organic Field-effect Transistors", *Adv. Mater.* 2018, 1800187.
- Peng Xiao, Jie Mao, Ke Ding, Wenjin Luo, Weida Hu, Xiujian Zhang, Xiaohong Zhang*, **Jiansheng Jie***, "Solution-processed three-dimensional RGO-MoS₂/pyramid Si heterojunction for ultrahigh-detectivity and ultra-broadband photodetection", *Adv. Mater.* 2018, 1801729.
- Wei Deng, Liming Huang, Xiuzhen Xu, Xiujian Zhang, Xiangcheng Jin, Shuit-Tong Lee, and **Jiansheng Jie***, "Ultrahigh-Responsivity Photodetectors from Perovskite Nanowire Arrays for Sequentially Tunable Spectral Measurement", *Nano Lett.* 2017, 17, 2482.
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- Xiujian Zhang, Jiansheng Jie*, Wei Deng, Qixun Shang, Jincheng Wang, Hui Wang, Xianfeng Wang, and **Jiansheng Jie***, "High-Performance Flexible Image Sensors with Long-Term Stability", *Adv. Mater.* 2016, 28, 2475.
- Xiujian Zhang, Zhibin Shao, Xiaohong Zhang*, Yuanyuan He, **Jiansheng Jie***, "Surface Charge Transfer Doping of Low-Dimensional Nanostructures toward High-Performance Nanodevices", *Adv. Mater.* 2016, 28, 10409.
- Wei Deng, Xiujian Zhang*, Liang Wang, Jincheng Wang, Qixun Shang, Xiaohong Zhang*, Liming Huang, **Jiansheng Jie***, "Wafer - Scale Precise Patterning of Organic Single - Crystal Nanowire Arrays via a Photolithography - Assisted Spin - Coating Method", *Adv. Mater.* 2015, 27, 7305.

Professional Society Membership

- Fellow of Royal Society of Chemistry (FRSC)