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### 一、教育科研经历

- 1988-1995 西安交通大学, 本科与硕士学位
- 1995-1998 中科院上海光学精密机械研究所, 材料学博士
- 1999-2000 荷兰应用科学研究中心-应用物理研究所, 博士后
- 2001-2004 日本千叶大学-先进电子与光电子研究中心, 非常勤讲师
- 2004-2005 日本科学技术振兴事业团-战略创造研究推进事业部, 项目研究员
- 2007年起加入苏州大学至今。

### 二、研究方向

- 1、半导体蓝绿光LED及石墨烯纳米材料的生长
- 2、微纳光学

### 三、近年来发表学术论文60余篇, 授权专利多项

1. Miao Wang, Fuyang Xu, Yu Lin, Bing Cao\*, Linghua Chen, Chinhua Wang\*, Jianfeng Wang and Ke Xu, Metasurface integrated high energy efficient and high linearly polarized InGaN-GaN light emitting diode, *Nanoscale*, 2017, 9, 9104
2. Yu Xu, Bing Cao\*, Zongyao Li, Demin Cai, Yumin Zhang, Guoqiang Ren, Jianfeng Wang, Lin Shi, Chinhua Wang and Ke Xu, Growth Model of van der Waals Epitaxy of Films: A Case of AlN Films on Multilayer Graphene/SiC, *Applied Materials and Interfaces*, 2017, 9, pp44001-44009
3. Yu Xu, Xujun Su, Bing Cao\*, Zongyao Li, Yi Liu, Demin Cai, Yumin Zhang, Jianfeng Wang\*, Chinhua Wang and Ke Xu, In-plane misfits' localization in GaN via graphene ELOG technology, *CrystEngComm*, , 2019, 21, 902-907
4. Yu Xu, Bing Cao\*, Shunyu He, Lin Qi, Zongyao Li, Demin Cai, Yumin Zhang, Guoqiang Ren, Jianfeng Wang, Chinhua Wang, and Ke Xu\*, Evolution of TDs in GaN ELOG on GaN templates using self-organized graphene as a nano-mask, *Applied Physics Letters*, 111, 102105 (2017)
5. Jingpei Hu, Yu Lin, Xiaonan Zhao, Aijiao Zhu, Chen Xu, Xiaojun Zhu, Peiji Guo, Bing Cao\*, Chinhua Wang\*, All-metal flexible large-area multiband waveplate, *Optics Express*, 25(7), pp8245-8254, 2017
6. Jingpei Hu, Xiaonan Zhao, Yu Lin, Aijiao Zhu, Xiaojun Zhu, Peiji Guo, Bing Cao\* & Chinhua Wang\*, All-dielectric metasurface circular dichroism waveplate, *Scientific Reports*, 7:41893, 2017

- 7.Lin Qi, Yu Xu, Zongyao Li, En Zhao, Song Yang, Bing Cao\*, Jicai Zhang, Jianfeng Wang, Ke Xu, Stress analysis of transferable crack-free Gallium nitride microrods grown on graphene/SiC substrate, Materials Letters, 185 (2016) 315–318
- 8.Linghua Chen, Miao Wang, Bing Cao\*, Shengming Zhou, Yu Lin, Jingpei Hu, Chinhua Wang\*, Jianfeng Wang, Qian Sun, and Ke Xu, High linearly polarized white light emission from InGaN light-emitting diode with nano-gratings integrated fluorescent ceramics, Applied Physics Express 10, 012101 (2017)
- 9.Miao Wang, Bing Cao\*, Chinhua Wang\*, Fuyang Xu, Yiming Lou, Jianfeng Wang, and Ke Xu, High linearly polarized light emission from GaN-based light-emitting diode with multilayer dielectric/metal wire-grid structure, Applied Physics Letters, 105 (15), 151113 (2014)
- 10.Guiju Zhang, Bing Cao\*, Chinhua Wang, Qin Han, Changsi Peng, Jianfeng Wang, Ke Xu, Hui Yang, and Markus Pessa, Polarized GaN-based light emitting diode with an embedded metallic/dielectric subwavelength grating, Thin Solid Films, 520(1), 2011, pp419-423

#### 四、项目情况

近年来主持和参与国家自然科学基金重点、面上项目，科技部国家重点研究计划，江苏省及苏州市项目等



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