

导师信息采集表

姓名	魏兴战	性别	男	最高学位	博士
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<p>个人简介（限 300 字）：研究员，博士，博士生导师。主持课题 8 项，发表 SCI 文章 30 篇，获批专利 11 项。</p>					
<p>教育经历：</p> <p>2005.9-2010.7 中国科学院研究生院 硕博连读</p> <p>2001.9-2010.7 电子科技大学 学士</p>					
<p>主要研究方向：</p> <p>低维光电材料与器件，微纳光学</p>					
<p>招生专业：</p> <p>光学工程</p>					
<p>科研成果（含文章、专利、科研项目等）：</p> <p>1. 文章</p> <p>(1) Wei Yao, Linlong Tang, Jun Wang , Chunhui Ji, Xingzhan Wei, and Yadong Jiang, "Spectrally and Spatially Tunable Terahertz Metasurface Lens Based on Graphene Surface Plasmons" , IEEE Photonics Journal, 10, 4, 2018.</p> <p>(2) Wei Luo, Chao Zeng, Xiaoqin Du, Chongqian Leng, Wei Yao, Haofei Shi, Xingzhan Wei, Chunlei Du, Shirong Lu, "Copper Thiocyanate/Copper Iodide Based Hole Transport Composites with Balanced Properties for Efficient Polymer Light-Emitting Diodes" , Journal of Materials Chemistry C, DOI: 10.1039/C7TC04842D, 2018.</p> <p>(3) Linlong Tang, Wei Wei, Xingzhan Wei*, Jinpeng Nong, Chunlei Du, Haofei Shi*, "Mechanism of propagating graphene plasmons excitation for tunable infrared photonic devices" Optics express, 26, 3709-3722, 2018.</p> <p>(4) Jun Yang, Peibo Liu, Xingzhan Wei*, Wei Luo, Jin Yang, Hao Jiang, Dapeng Wei, Ruiying Shi, Haofei Shi, "Surface Engineering of Graphene Composite Transparent Electrodes for High Performance Flexible Triboelectric Nanogenerators and Self-Powered Sensors" , ACS Applied Materials & Interfaces, 9, 36017, (2017).</p> <p>(5) Jun Shen, Xiangzhi Liu, Xuefen Song, Xinming Li, Jun Wang, Quan Zhou, Shi Luo, Wenlin Feng, Xingzhan Wei, Shirong Lu, Shuanglong Feng, Chunlei Du, Yuefeng Wang, Haofei Shi, Dapeng Wei, "High-performance Schottky heterojunction photodetector with directly grown graphene nanowalls as electrodes" , Nanoscale, 9, 6020-6025, (2017).</p>					

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(8) Sean SE Collins, Xingzhan Wei, Thomas G McKenzie, Alison M Funston, Paul Mulvaney, "Single Gold Nanorod Charge Modulation in an Ion Gel Device" , *Nano Letters*, 16, 11, 2016.

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(10) Chaoyan Ma, Chongqian Leng, Yixiong Ji, Xingzhan Wei, Kuan Sun, Linlong Tang, Jun Yang, Wei Luo, Chaolong Li, Yunsheng Deng, Shuanglong Feng, Jun Shen, Shirong Lu, Chunlei Du, Haofei Shi, "2D/3D perovskite hybrids as moisture-tolerant and efficient light absorbers for solar cells" , *Nanoscale*, 8, 43, 2016. (影响因子 : 6.233)

(11) Mariana Chirea, Sean SE Collins, Xingzhan Wei, and Paul Mulvaney, "Spectroelectrochemistry of silver deposition on single gold nanocrystals" *The journal of physical chemistry letters*, 5, 24. 4331-4335, 2014.

(12) Xingzhan Wei*, Matteo Altissimo, Timothy J. Davis, and Paul Mulvaney*. "Fano Resonances in Three-Dimensional Dual Cut-wire Pairs" *Nanoscale*, 6, 5372-5377 (2014).

(13) Anthony S. Stender#, Xingzhan Wei#, Ashley E. Augspurger, and Ning Fang, "Plasmonic Behavior of Single Gold Dumbbells and Simple Dumbbell Geometries" , *The Journal of Physical Chemistry C*, 117, 16195-16202, (2013).

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(17) John E. Sader, Julian A. Sanelli, Brian D. Adamson, Jason P. Monty, Xingzhan Wei, Simon A. Crawford, James R. Friend, Ivan Marusic, Paul Mulvaney, and Evan J. Bieske. "Spring constant calibration of atomic force microscope cantilevers of arbitrary

shape” , Review of Scientific Instruments, 83, 103705, (2012).

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(19) Yukun Zhang, Jinglei Du, Xingzhan Wei, Lifang Shi, Qiling Deng, Xiaochun Dong, and Chunlei Du, “Resolution and stability analysis of localized surface plasmon lithography on the geometrical parameters of soft mold” , Applied Optics, 50, 1963-1967, (2011).

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(21) Xingzhan Wei, Haofei Shi, Xiaochun Dong, and Chunlei Du, “Modeling and experimental verification of optical materials formed by stacked nanostrips” , Optics Express 18, 14842 (2010).

(22) Yukun Zhang, Xiaochun Dong, Jinglei Du, Xingzhan Wei, Lifang Shi, Qiling Deng, and Chunlei Du, “Nanolithography method by using a localized surface plasmons mask generated with a PDMS soft mould on a thin metal film” , Optics Letters 35, 13 (2010).

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(25) Haofei Shi, Yueguang Lu, Xingzhan Wei, Xiaochun Dong, and Chunlei Du, “Characterization for metamaterials with a high refractive index formed by periodic stratified metallic wires array” , Applied Physics A - Materials Science & Processing, 97,799 (2009).

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(28) Shuhong Li, Chunlei Du, Xiaochun Dong, Lifang Shi, Xiangang Luo, Xingzhan Wei, and Yudong Zhang, “Superlens nano-patterning technology based on the distributed Polystyrene spheres” , Optics Express 16, 14397 (2008).

(29) Xingzhan Wei, Xiangang Luo, Xiaochun Dong, and Chunlei Du, “Localized

surface plasmon nanolithography with ultrahigh resolution” , Optics Express 15, 14177 (2007).

2. 专利

3. (1) 一种在泡沫镍上快速生长石墨烯花簇阵列的方法,2015109802591,发明专利

4. (2) 一种大面积 MoS₂ 薄膜生长方法,201510991088,发明专利

5. (3) 直接转移石墨烯薄膜的装置和方法,2015107941195,发明专利

6. (4) 一种基于石墨烯的微测辐射热计,2015210878667,发明专利

7. (5) 一种基于复合超薄金属的高效率减色滤光片及其制备方法,201510976635X,发明专利

8. (6) 一种基于超薄金属的透明电极及其制备方法,2015109984481,发明专利

9. (7) 一种基于超薄金属透明电极的钙钛矿太阳能电池,2016210679333,发明专利

10. (8) 一种多孔碳纳米薄膜及其微测辐射热计,2016105690464,发明专利

11. (9) 一种多孔 - 量子点复合结构红外探测器单元及制备方法,2016105677722,发明专利

12. (10) 一种微测辐射热计,2016207606074,发明专利

13. (11) 一种基于碳纳米红外吸收层的红外探测器,2016105665142,发明专利
科研项目

14. 国家自然科学基金面上项目, NSFC11574308, 亚纳米尺度的表面等离子体量子隧穿机理与可控调制研究, 2016/01 - 2019/12, 经费 74.4 万, 在研, 主持。

15. 省部级项目 1 项 经费 200 万, 在研, 主持

16. 中科院仪器修购项目 “二维晶体材料制备与表征平台”, 2018/01-2019/06, 经费 300 万, 主持

所获荣誉：中科院“百人计划”入选者，重庆市“百人计划”入选者。

个人承诺：本人承诺以上信息真实。如有不实之处，愿承担相应后果。

承诺人签名：