



首页 学院概况 师资队伍 学科建设 党建工作 学生培养 招生就业 科学研究 实验室建设 学生工作 人才招聘 校友园地

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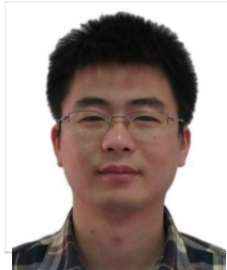
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教育背景/Education

2004-2008, 浙江大学, 信息工程, 学士
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2008-2013, 浙江大学, 光学工程, 博士
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研究/Research

致力于微纳光子学研究领域, 研究内容涵括了非线性光学、表面等离子基元、微纳激光器、光力机械耦合作用、微纳传感、光纤光学与检测、半导体器件及物理研究等多个前沿领域中的理论、实验和应用研究。已发表SCI 论文三十余篇, 其中包括Nano Letters (4篇)、Advanced Optical Materials (背封面论文)、ACS Nano、JACS、Research、OE (8篇)、OL、APL、Lab on Chip等国际顶级期刊。论文具有广泛的学术影响, 总计被他人引用1058次, H-index为16。受邀撰写英文专著一章。

长期担任国际杂志Optica, Optics Express, Applied Optics, JOS A B, Photonics Journal, Photonics Technology Letters, Journal of Materials Chemistry C, EPL, Infrared Physics & Technology 等审稿人。

Research interests: Micro-/nano-photonics

欢迎有志探索前沿光学领域研究的本科生、研究生加入实验室。

在研项目

国家自然科学基金委重大研究计划培育项目 (主持), 2019-2021
国家自然科学基金青年基金 (主持), 2017-2019
科技部重点研发计划 (研究骨干), 2018-2023
广东省第六批珠江人才计划团队项目 (核心成员), 2017-2022

代表性论文

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2. X. Wang, J. Feng, H. Yu, Y. Jin, A. Davidson, Z. Li, and Y. Yin, Anisotropically Shaped Magnetic/Plasmonic Nanocomposites for Information Encryption and Magnetic-Field-Direction Sensing, Research 2018, 7527825 (2018).
3. T. Xiao, H. Yu*, Y. Zhang, and Z. Li, 'Transverse optical forces and sideways deflections in subwavelength-diameter optical fibers,' Opt. Express 26, 6499-6506 (2018).
4. F. Liao, Y. Wang, T. Peng, J. Peng, Z. Gu, H. Yu*, T. Chen, J. Yu, and F. Gu, 'Highly Efficient Nonlinear Optical Conversion in Waveguiding GaSe Nanoribbons with Pump Pulses Down to a Femto-Joule Level,' Adv. Opt. Mater. 6, 1701012 (2018). (Back Cover)
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