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教育科研经历

2005/09 - 2009/07, 吉林大学 物理学院 本科

2009/09-2014/06, 中科院长春光机所 光学 博士

2014/07-2018/06, 苏州大学光电信息科学与工程学院 讲师

2018/07-今, 苏州大学光电科学与工程学院 副研究员

研究方向

- 1、微腔激光器的制作及性能优化
- 2、微腔激光器在集成光学器件及生物传感器的应用
- 3、基于衍射光学的裸眼3D显示器件

主要荣誉

2013年中科院大恒光学奖学金特别奖

2014年中科院院长奖学金优秀奖

承担课题

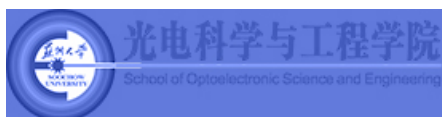
- 1、国家自然科学基金, 项目号: 61505131, 项目主持人
- 2、江苏省青年基金项目, 项目号: BK20150309, 项目主持人
- 3、中国博士后第57批面上资助, 项目号: 2015M571816项目主持人

代表论文

1. W. Wan, W. Huang*, D. Pu, W. Qiao, Y. Ye, G. Wei, Z. Fang, X. Zhou and L. Chen, High performance organic distributed Bragg reflector lasers fabricated by dot matrix holography. *Opt. Express*, 23(2015), 31926-31935.
2. W. Huang, D. Pu, S. Shen, G. Wei, L. Xuan and L. Chen, Effects of monomer functionality on performances of scaffolding morphologic transmission gratings recorded in polymer dispersed liquid crystals, *J. Phys. D: Appl. Phys.* 48 (2015) 375303.
3. W. Huang, S. Shen, D. Pu, G. Wei, Y. Ye, C. Peng and L. Chen, Working characteristics of external distributed feedback polymer lasers with varying waveguiding structures, *J. Phys. D: Appl. Phys.* 48 (2015) 495105
4. W. Huang, Q. Liu, L. Xuan, L. Chen, Single-mode lasing from dye-doped holographic polymer-dispersed liquid crystal transmission gratings, *Applied Physics B*, 117(2014) 1065-1071.
5. W. Huang, L. Chen, L. Xuan, Efficient laser emission from organic semiconductor activated holographic polymer dispersed liquid crystal transmission gratings, *RSC Advances*, 4 (2014) 38606-38613.
6. W. Huang, Y. Liu, L. Hu, Q. Mu, Z. Peng, C. Yang, L. Xuan, Second-order distributed feedback polymer laser based on holographic polymer dispersed liquid crystal grating, *Organic Electronics*, 14 (2013) 2299-2305.
7. W. Huang, Z. Diao, L. Yao, Z. Cao, Y. Liu, J. Ma, L. Xuan, Electrically tunable distributed feedback laser emission from scaffolding morphologic holographic polymer dispersed liquid crystal grating, *Applied Physics Express* 6 (2013) 022702.
8. W. Huang, Z. Diao, Y. Liu, Z. Peng, C. Yang, J. Ma, L. Xuan, Distributed feedback polymer laser with an external feedback structure fabricated by holographic polymerization technique, *Organic Electronics* 13 (2012) 2307-2311.
9. W. Huang, Y. Liu, Z. Diao, C. Yang, L. Yao, J. Ma, L. Xuan, Theory and characteristics of holographic polymer dispersed liquid crystal transmission grating with scaffolding morphology, *Applied Optics* 51 (2012) 4013-4020.
10. W. Huang, S. Deng, W. Li, Z. Peng, Y. Liu, L. Hu, L. Xuan, A polarization-independent and low scattering transmission grating for a distributed feedback cavity based on holographic polymer dispersed liquid crystal, *Journal of Optics* 13 (2011) 085501.

书籍章节

Ji Ma, Wenbin Huang, Li Xuan, and Hiroshi Yokoyama, "Holographic Polymer-Dispersed Liquid Crystals: From Materials and Morphologies to Applications" in *Optical Properties of Functional Polymers and Nano Engineering Applications*; Vaibhav Jain, Akshay Kokil, CRC Press.



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