

# Chinese Optics Letters

Volume 13  
Number 9  
September 10, 2015  
www.col.org.cn

## Fiber optics and optical communications

- Global transmission diagrams for evanescent waves in a nonlinear hyperbolic metamaterial  
*Munazza Zulfiqar Ali, Ashfaq Ahmad Bhatti, Qamar ul Haque, and Shahzad Mahmood* 090601
- Crystals based on solid solution of  $\text{Ag}_{1-x}\text{Tl}_x\text{Br}_{1-x}\text{I}_x$  for the manufacturing of IR fibers  
*Alexandr Korsakov, Liya Zhukova, Dmitrii Salimgareev, and Vladislav Zhukov* 090602
- Three-dimensional model of thermal-induced optical phase shifts in rotation sensing  
*Xuyou Li, Weiwei Ling, Yanhui Wei, and Zhenlong Xu* 090603

## Geometric optics

- High-frequency field intensity along focal point of a long metallic parabolic reflector coated by a magnetized plasma layer using oblique incidence  
*Abdul Ghaffar and Majeed A. S. Alkanhal* 090801

## Image processing

- Laboratory demonstration of spotlight-mode down-looking synthetic aperture imaging lidar  
*Ning Zhang, Zhiyong Lu, Jianfeng Sun, Yu Zhou, Zhu Luan, Zhiwei Sun, Gunagqyan Li, and Liren Liu* 091001

## Instrumentation, measurement, and metrology

- Residual frequency drift in an atomic fountain clock  
*Yuanbo Du, Rong Wei, Richang Dong, Fan Zou, Jinda Lin, Wenli Wang, and Yuzhu Wang* 091201
- Amplitude measurement of weak sinusoidal water surface acoustic wave using laser interferometer  
*Lieshan Zhang, Xiaolin Zhang, and Wenyan Tang* 091202

## Integrated optics

- Polarization-independent grating coupler based on silicon-on-insulator  
*Jingjing Zhang, Junbo Yang, Huanju Lu, Wenjun Wu, Jie Huang, and Shengli Chang* 091301

## Lasers and laser optics

- Time-delay signature concealment of polarization-resolved chaos outputs in vertical-cavity surface-emitting lasers with variable-polarization filtered optical feedback  
*Li Zhou, Guangqiong Xia, Zhuqiang Zhong, Jiagui Wu, Shuntian Wang, and Zhengmao Wu* 091401
- Research on tunable local laser used in ground-to-satellite coherent laser communication  
*Bin Lu, Fang Wei, Zhen Zhang, Dan Xu, Zhengqing Pan, Dijun Chen, and Haiwen Cai* 091402

Contents continued

1  $\mu\text{m}$  wavelength swept fiber laser based on dispersion-tuning technique *Jiawei Mei, Xiaosheng Xiao, and Changxi Yang* 091403

Multiscale analysis of single- and multiple-pulse laser-induced damages in  $\text{HfO}_2/\text{SiO}_2$  multilayer dielectric films at 532 nm *Wenwen Liu, Chaoyang Wei, Kui Yi, and Jianda Shao* 091404

### Materials

Near-white light-emitting  $\text{Dy}^{3+}$ -doped transparent glass ceramics containing  $\text{Ba}_2\text{LaF}_7$  nanocrystals *Shaoye Ouyang, Weihuan Zhang, Zhixiong Zhang, Yuepin Zhang, and Haiping Xia* 091601

### Medical optics and biotechnology

Multiscale Hessian filter-based segmentation and quantification method for photoacoustic microangiography *Ting Liu, Mingjian Sun, Naizhang Feng, Zhenghua Wu, and Yi Shen* 091701

### Optical design and fabrication

Light losses in hollow, prismatic light guides related to prism defects: a transmittance model *Berta García-Fernández, Daniel Vázquez-Moliné, Antonio Álvarez Fernández-Balbuena, Ángel García-Botella, and Juan Carlos Martínez Antón* 092201

### Quantum optics

Two-atom distributed entanglement by detecting the transmission spectrum of a coupled-cavity quantum electrodynamics system *Xiaolin Zhong, Gongwei Lin, Fengrue Zhou, Yueping Niu, and Shangqing Gong* 092701

### Scattering

Detection of colorless plastic contaminants hidden in cotton layer using chromatic polarization imaging *Bo Peng, Shaling Huang, and Dongjie Li* 092901

### Spectroscopy

Origin of potential errors in the quantitative determination of terahertz optical properties in time-domain terahertz spectroscopy *Qijun Liang, Gregor Klatt, Nico Krauß, Oleksii Kukhareenko, and Thomas Dekorsy* 093001

### Vision, color, and visual optics

Color correction for tiled projection with irregularly shaped, overlapping region *Feng Chen, Yue Liu, and Tao Yang* 093301

### X-ray optics

Application of polycapillary x ray lens to eliminate both the effect of x ray source size and scatter of the sample in laboratory tomography *Xuepeng Sun, Zhiguo Liu, Tianxi Sun, Longtao Yi, Weiyuan Sun, Fangzuo Li, Bowen Jiang, Yongzhong Ma, and Xunliang Ding* 093401