

# Chinese Optics Letters

Volume 12  
Number 1  
January 10, 2014  
www.col.org.cn

## Diffraction and Gratings

- Phase imaging with rotating illumination *Haiyan Wang, Cheng Liu, Xingchen Pan, Jun Cheng, and Jianqiang Zhu* 010501

## Fiber Optics and Optical Communications

- Secure and noise-free holographic encryption with a quick-response code *Zhenbo Ren, Ping Su, Jianshe Ma, and Guofan Jin* 010601
- Optical fiber sensor based on the short-range surface plasmon polariton mode *Xiaoyan Wang, Fang Liu, Ao Liu, Boyu Fan, Kaiyu Cui, Xue Feng, Wei Zhang, and Yidong Huang* 010602
- Dispersion compensation properties of dual-concentric core photonic crystal fibers *Lihong Han, Liming Liu, Zhongyuan Yu, Huijie Zhao, Xin Song, Jinhong Mu, Xiu Wu, Junjie Long, and Xi Liu* 010603
- 160-Gb/s NRZ-DQPSK optical transmission system employing QC-LDPC code *Sha Li, Chongxiu Yu, Zhe Kang, Gerald Farrell, and Qiang Wu* 010604
- Ultra-high-speed single red-green-blue light-emitting diode-based visible light communication system utilizing advanced modulation formats *Nan Chi, Yuanquan Wang, Yiguang Wang, Xingxing Huang, and Xiaoyuan Lu* 010605

## Imaging Systems

- Viewing angle-enhanced integral imaging system using three lens arrays *Wei Xie, Yazhou Wang, Huan Deng, and Qionghua Wang* 011101
- Imaging through aberrating media by computational ghost imaging with incoherent light *Yinzuo Zhang, Jianhong Shi, Hu Li, and Guihua Zeng* 011102

## Lasers and Laser Optics

- Graphene *Q*-switched 0.9- $\mu\text{m}$  Nd:La<sub>0.11</sub>Y<sub>0.89</sub>VO<sub>4</sub> laser *Shuo Han, Xianlei Li, Honghao Xu, Yongguang Zhao, Haohai Yu, Huaijin Zhang, Yongzhong Wu, Zhengping Wang, Xiaopeng Hao, and Xinguang Xu* 011401
- Analysis of optical axis variations in monolithic nonplanar ring laser *Tao Feng, Zhaoyang Jiao, Qiong Zhou, Mingying Sun, and Jianqiang Zhu* 011402
- Optimal beam diameter for lateral optical forces on microspheres at a water-air interface *Mincheng Zhong, Xi Wang, Jinhua Zhou, Ziqiang Wang, and Yinmei Li* 011403

Contents continued

## Materials

A strong green-emitting phosphor:  $K_3Gd(PO_4)_2:Tb^{3+}$  for UV-excited white light-emitting-diodes

*Tingming Jiang, Xue Yu, Xuhui Xu, Hongling Yu, Dacheng Zhou, and Jianbei Qiu* 011601

## Optical Design and Fabrication

Innovative light-collecting module using prismatic array structures

*Allen Jong Woei Whang, Cheng-Ming Chang, Chun-Han Chou, Chia-Min Lin, Shih-Min Chao, Kai-Cyuan Jhan, and Ming Cheng Wang* 012201

## Optical Devices

An investigation on optical microfiber reflector with low reflectance

*Yang Yu, Xueliang Zhang, Zhangqi Song, Zhengtong Wei, and Zhou Meng* 012301

Realization of high-performance blue organic light-emitting diodes using multi-emissive layers

*Ju-An Yoon, You-Hyun Kim, Nam Ho Kim, Chul Gyu Jhun, Song Eun Lee, Young Kwan Kim, Fu Rong Zhu, and Woo Young Kim* 012302

A fast-response in-plane switching liquid crystal display with a protrusion structure

*Yanfeng Li, Yubao Sun, and Yanli Zhao* 012303

## Optics at Surfaces

Tuning the focusing spot of plasmonic nanolens by aspect ratio under linear polarization

*Shuiyan Cao, Weixing Yu, Cheng Wang, and Yongqi Fu* 012401

## Optoelectronics

Tunneling in submicron CMOS single-photon avalanche diodes

*Mohammad Azim Karami, Armin Amiri-Sani, and Mohammad Hamzeh Ghormishi* 012501

## Scattering

Scattering of on-axis polarized Gaussian light beam by spheroidal water coating aerosol particle

*Xianming Sun and Haihua Wang* 012901

## Vision, Color, and Visual Optics

Estimation of tunneling effect caused by luminance non-uniformity in head-up displays

*Vinod Karar and Smarajit Ghosh* 013301

## X-ray Optics

A four-channel multilayer KB microscope for high-resolution 8-keV X-ray imaging in laser-plasma diagnostics

*Shengzhen Yi, Baozhong Mu, Xin Wang, Jingtao Zhu, Li Jiang, Zhanshan Wang, and Pengfei He* 013401

Given  
in X-r  
imagin  
for re  
diffrac  
rectly  
field o  
by the  
CDI a  
gested  
by Fi  
is to  
backw  
variou  
final  
tribut  
plicity  
perfor  
nume  
of ada  
optica  
imagin  
isolate  
conver  
able.  
disadv  
CDI t  
(PIE)  
in the  
beam  
Wign  
ject it  
PIE H  
At pr  
visibl  
dard  
accur  
this p  
ramet  
be ac  
illumi  
tions.  
the ex