

Chinese Optics Letters

Volume 11
Number 10
October 10, 2013
www.col.org.cn

Atmospheric and Oceanic Optics

- A method for determining cirrus height with multiple scattering *Xinglong Xiong, Meng Li, Lihui Jiang, and Shuai Feng* 100101

Atomic and Molecular Physics

- Modulation-free laser frequency offset locking using buffer gas-induced resonance *Guoqing Yang, Yunfei Xu, Qiang Lin, and Han Zhang* 100201
- Atomic population distribution of excited states in He electrodeless discharge lamp *Zhiming Tao, Yanfei Wang, Shengnan Zhang, Dongying Wang, Yelong Hong, Wei Zhuang, and Jingbiao Chen* 100202

Fiber Optics and Optical Communications

- Mutual optical format conversion between on-off keying and binary phase-shift keying based on stimulated brillouin scattering *Yan Zhang, Lilin Yi, Tao Zhang, Zhengxuan Li, and Weisheng Hu* 100601
- Multilevel photon communication on BPPM with convolutional coding *K. Sripimanwat, J. Wongpoom, and O. Sangaroon* 100602
- Non-uniform strain measurement along a fiber Bragg grating using optical frequency domain reflectometry *Fangdong Zhu, Dongsheng Zhang, Peng Fan, Litong Li, and Yongxing Guo* 100603
- Power distribution analysis for multiple modulation formats in an all-optical sampling wavelength division multiplexing system *Hai Yu, Hongwei Chen, Minghua Chen, and Shizhong Xie* 100604
- Real-time ultra-wideband video streaming in long-reach passive optical networks with wireless radiation in the 10 and 60 GHz bands *Tiago M. F. Alves, Maria Morant, Adolfo V. T. Cartaxo, Roberto Llorente, Pierre Cluzeaud, and Rakesh Sambaraju* 100605
- Optical true time-delay for two-dimensional phased array antennas using compact fiber grating prism *Yongfeng Wei, Chaowei Yuan, Shanguo Huang, Xinlu Gao, Jing Zhou, Xi Han, and Wanyi Gu* 100606

Imaging Systems

- ESPI filtering method based on anisotropic coherence diffusion and Perona-Malik diffusion *Zhitao Xiao, Zhenbei Xu, Fang Zhang, Lei Geng, Jun Wu, Quan Yuan, and Jiangtao Xi* 101101

Lasers and Laser Optics

- UV-curable adhesive microsphere whispering gallery mode resonators
Guoqiang Gu, Lujian Chen, Hongyan Fu, Kaijun Che, Zhiping Cai, and Huiying Xu 101401
- Influence of optical wavelength on terahertz radiation from laser-induced air plasma
Siqing Wu, Jinsong Liu, Shenglie Wang, and Yanan Zeng 101402

Machine Vision

- Detection of automatic abnormality in the winding and splicing of fiber-optic coil
Haoting Liu, Wei Wang, Xinfeng Li, and Feng Gao 101501

Materials

- Role of filling medium of holes in the transmission and negative refractive index of metal-dielectric-metal sandwiched metamaterials
Min Zhong 101601

Microscopy

- Tuning the face orientation of ZnO nano/microcrystals by a wet chemical method
Aparna Thankappan, Sheenu Thomas, and V. P. N. Nampoori 101801

Nonlinear Optics

- Nonlinear hybrid plasmonic slot waveguide for second-harmonic generation
Haozhi Yin, Yumin Liu, Zhongyuan Yu, Qiang Shi, Hui Gong, Xiu Wu, and Xin Song 101901

Optical Design and Fabrication

- Range-rate tradeoffs in the communication between LED traffic lights and vehicles
Jinguo Quan, Weihao Liu, Shuang Jin, and Yan Zhang 102201

Optical Devices

- Buried waveguide in neodymium-doped phosphate glass obtained by femtosecond laser writing using a double line approach
Xuewen Long, Jing Bai, Xin Liu, Wei Zhao, and Guanghua Cheng 102301
- Femtosecond laser damage of broadband pulse compression gratings
Fanyu Kong, Yunxia Jin, Shijie Liu, Shunli Chen, Heyuan Guan, Kai He, Ying Du, and Hongbo He 102302
- Design and analysis of superlens based on complex two-dimensional square lattice photonic crystal
Somayeh Rafiee Dastjerdi, Majid Ghanaatshoar, and Toshiaki Hattori 102303
- AlGaIn metal-semiconductor-metal ultraviolet photodetectors on sapphire substrate with a low-temperature AlN buffer layer
Junqin Zhang, Yintang Yang, and Hujun Jia 102304

Physical Optics

- Method for *in situ* calibration of multiple feedback interferometers
Yidong Tan, Zhaoli Zeng, Shulian Zhang, Peng Zhang, and Hao Chen 102601

Thin Films

- Analysis of angular-selective performances of obliquely deposited birefringent thin film
Yongqiang Hou, Hongji Qi, Kui Yi, and Jianda Shao 103101