

Chinese Optics Letters

Volume 14
Number 4
April 10, 2016
www.col.org.cn

Atomic and molecular physics

- Two-color cesium magneto-optical trap with a ladder-type atomic system *Baodong Yang, Jie Wang, and Junmin Wang* 040201
- Theoretical and experimental investigations on the threshold of a laser-induced breakdown of air *Dong Liu, Chuansong Chen, Baoyuan Man, Yanna Sun, and Feifei Li* 040202

Coherence and statistical optics

- Thermal light subwavelength diffraction using positive and negative correlations *Mingjie Sun, Xingdan He, Mingfei Li, and Ling'an Wu* 040301

Fiber optics and optical communications

- Microwave photonic phase shifter with spectral separation processing using a linear chirped fiber Bragg grating *Wensheng Zhai, Xinlu Gao, Wenjing Xu, Mingyang Zhao, Mutong Xie, Shanguo Huang, and Wanyi Gu* 040601
- Flexible multidimensional modulation formats based on PM-QPSK constellations for elastic optical networks *Zilong He, Wentao Liu, Bailin Shen, Xue Chen, Xiqing Gao, Sheping Shi, Qi Zhang, Dongdong Shang, Yongning Ji, and Yingfeng Liu* 040602

Imaging systems

- Optimization algorithm of near-eye light field displays based on human visual characteristics *Jun Ding, Mali Liu, Qing Zhong, Haifeng Li, and Xu Liu* 041101

Integrated optics

- Polarization rotator-splitter covering full optical communication bands based on L-shaped cross-section waveguide *Daigao Chen, Xi Xiao, Lei Wang, Wen Liu, and Qi Yang* 041301

Lasers and laser optics

- All fiber tunable- or dual-wavelength Yb-doped fiber laser covering from dissipative soliton to dissipative soliton resonance *Zhaokun Wang, Songtao Du, Jianhua Wang, Feng Zou, Ziwei Wang, Wendi Wu, and Jun Zhou* 041401
- Efficiency-enhanced picosecond mid-infrared optical parametric downconversion based on a cascaded optical superlattice *Shifeng Li, Panpan Ju, Yanhua Liu, Xudong Jiang, Rui Ni, Gang Zhao, Xinjie Lv, and Shining Zhu* 041402

Contents continued

Materials

- Properties of fluorescence based on the immobilization of graphene oxide quantum dots in nanostructured porous silicon films *Lei He, Zhenhong Jia, and Jun Zhou* 041601

Nonlinear optics

- Generation of multi-wavelength erbium-doped fiber laser by using MoSe₂ thin film as nonlinear medium and stabilizer *Zian Cheak Tiu, Harith Ahmad, Arman Zarei, and Sulaiman Wadi Harun* 041901
- Measurement of Brillouin gain coefficient in fluorocarbon liquid *Hang Yuan, Yulei Wang, Zhiwei Lu, Rui Liu, and Can Cui* 041902

Optical data storage

- Spiral spectrum of Airy-Schell beams through non-Kolmogorov turbulence *Yun Zhu, Licheng Zhang, and Yixin Zhang* 042101

Optical design and fabrication

- Analytical method to measure bending deformations in prismatic optical films *Berta García-Fernández, Antonio Álvarez Fernández-Balbuena, and Daniel Vázquez-Moliní* 042201
- Design of a dynamic refocus system based on the Seidel aberration theory *Lina Shao, Zhaoliang Cao, Quanquan Mu, Lifa Hu, Yukun Wang, Shaoxin Wang, and Li Xuan* 042202

Optical devices

- Broadband polarization beam splitter based on a negative refractive lithium niobate photonic crystal slab *Siqi Duan, Yuping Chen, Guangzhen Li, Chuanyi Zhu, and Xianfeng Chen* 042301
- Influence of excitation power on temperature-dependent photoluminescence of phase-separated InGaN quantum wells *Haiyan Lü, Yuanjie Lü, Qiang Wang, Jianfei Li, Zhihong Feng, Xiangang Xu, and Ziwu Ji* 042302

Optics at surfaces

- Influence of surface roughness on surface plasmon resonance phenomenon of gold film *Zhitao Yang, Changjian Liu, Yachen Gao, Jiyu Wang, and Wenlong Yang* 042401

Remote sensing and sensors

- Detection performance of trigger-controlled Geiger-mode avalanche photodiodes in weak optical signal detection *Peng Zhao, Yabo Yuan, Yan Zhang, and Weiping Qian* 042801

Spectroscopy

- Efficiency enhancement of fluorescent blue organic light-emitting diodes using doped hole transport and emissive layers *Nam Ho Kim, You-Hyun Kim, Ju-An Yoon, Seung Il Yoo, Kok Wai Cheah, Furong Zhu, and Woo Young Kim* 043001

Thin films

- Molybdenum thin films fabricated by rf and dc sputtering for Cu(In,Ga)Se₂ solar cell applications *Beibei Guo, Yaoming Wang, Xiaolong Zhu, Mingsheng Qin, Dangjun Wan, and Fuqiang Huang* 043101

Other areas of optics

- Three-step lithography to the fabrication of vertically coupled micro-ring resonators in amorphous silicon-on-insulator-corrigendum *Jun Cheng and Duk-Yong Choi* 043501