

Chinese Optics Letters

Volume 14
Number 2
February 10, 2016
www.col.org.cn

Atmospheric and oceanic optics

Zonal decoupling algorithm for dual deformable mirror adaptive optics system *Wenjin Liu, Lizhi Dong, Ping Yang, and Bing Xu* 020101

Fiber optics and optical communications

Pilot-added carrier-phase recovery scheme for Nyquist M-ary quadrature amplitude modulation optical fiber communication system *Wenbo Zhang, Dongwei Pan, Xiaofei Su, Xiaoguang Zhang, Lixia Xi, and Xianfeng Tang* 020601

Temperature-insensitive refractive index sensor based on an optical fiber extrinsic Fabry–Perot interferometer processed by a femtosecond laser *Pengfei Liu, Lan Jiang, Sumei Wang, Zhitao Cao, and Peng Wang* 020602

Investigating the light stability of solid-solution-based AgCl-AgBr and AgBr-TlI crystals *Alexandr S. Korsakov, Alexandr E. Lvov, Dmitry S. Vrublevsky, and Liya V. Zhukova* 020603

Imaging systems

Effect of time bin size on accuracy of streak tube imaging lidar *Guangchao Ye, Rongwei Fan, Zhaodong Chen, Xinrui Xu, Ping He, and Deying Chen* 021101

Instrumentation, measurement, and metrology

Simultaneous measurement of vibration amplitude and rotation angle based on a single-channel laser self-mixing interferometer *Wu Sun, Jianguo Liu, Huaqiao Gui, Anli Lu, Huanqin Wang, and Yihuai Lu* 021201

Integrated optics

Multiwavelength generation using an add-drop microring resonator integrated with an InGaAsP/InP sampled grating distributed feedback *S. E. Alavi, I. S. Amiri, M. R. K. Soltanian, R. Penny, A. S. M. Supa'at, and H. Ahmad* 021301

Lasers and laser optics

Polarization switching characteristics in a 1550 nm VCSEL subject to circularly polarized optical injection *Haiying Qiu, Zhengmao Wu, Tao Deng, Yang He, and Guangqiong Xia* 021401

Ringup phenomenon in a high-Q fiber bottle microresonator *Meixia Shen, Mingyong Ye, Qin Lin, Rongcan Yang, and Xiumin Lin* 021402

Laser diode array side-pumped medium-aperture Nd:glass square rod amplifier *Xiongxin Tang, Jisi Qiu, Zhongwei Fan, Haocheng Wang, and Weiran Lin* 021403

Contents continued

Multiwavelength visible laser based on the stimulated Raman scattering effect and beta barium borate angle tuning	<i>Xiaoli Li</i>	021404
Highly efficient Nd:(La _x Gd _{1-x}) ₃ Gd ₅ O ₁₂ laser operation at 1.33 μm	<i>Zhitai Jia, Yanru Yin, He Yang, Baitao Zhang, Jingliang He, Mauro Tonelli, and Xutang Tao</i>	021405
Anisotropy of laser emission in monoclinic Nd:ScYSiO ₅ crystals cut along the optical indicatrix axes	<i>Shande Liu, Lihe Zheng, Jun Xu, Yuping Zhang, Huiyun Zhang, Dehua Li, Tingqi Ren, Baitao Zhang, and Jingliang He</i>	021406
Fabrication of grating structures on silicon carbide by femtosecond laser irradiation and wet etching	<i>Bo Gao, Tao Chen, Vanthanh Khuat, Jinhai Si, and Xun Hou</i>	021407
Materials		
Reduced photon quenching in Ce-doped NaYF ₄ :Yb/Ho upconversion nanoparticles with core/shell structure	<i>Shuai Ye, Jun Song, Dong Wang, Yuliang Tian, Junle Qu, and Hanben Niu</i>	021601
Crystal characterization and optical spectroscopy of Eu ³⁺ -doped CaGdAlO ₄ single crystal fabricated by the floating zone method	<i>Ruijuan Li, Xiaodong Xu, Liangbi Su, Qinglin Sai, Changtai Xia, Qihong Yang, Jun Xu, Adam Strzep, and Anita Pólkoszek</i>	021602
Optical design and fabrication		
Efficiency balance of a light guide plate with microstructures for a see-through head-mounted display	<i>Kai-Wei Zhao and Jui-Wen Pan</i>	022201
Optics at surfaces		
Highly sensitive and wide-dynamic-range liquid-prism surface plasmon resonance refractive index sensor based on the phase and angular interrogations	<i>Guoqiang Lan, Shugang Liu, Xueru Zhang, Yuxiao Wang, and Yinglin Song</i>	022401
Optoelectronics		
Short-wave infrared detector with double barrier structure and low dark current density	<i>Yu Dong, Guanglong Wang, Haiqiao Ni, Kangming Pei, Zhongtao Qiao, Jianhui Chen, Fengqi Gao, Baochen Li, and Zhichuan Niu</i>	022501
Ultrafast optics		
High contrast amplification at 1053 nm limited by pulse stretching-compressing process	<i>Xiaoming Lu, Yujie Peng, Yanyan Li, Xiaoyang Guo, Yuxin Leng, Zhan Sui, Yi Xu, and Xinliang Wang</i>	023201