Chinese Optics Letters

Volume 12 Number 4 April 10, 2014 www.col.org.cn

Atomic and Molecular Physics			
Harmonic spectra bandwidth broadening with a new polarization gating	Jing Miao, Pengfei Wei, Zhinan Zeng, Chuang Li, Xiaochun Ge, Ruxin Li, and Zhizhan Xu	040201	
Coherence and Statistical Optics			
Speckle noise reduction in digital holography with spatial light modulator and nonlocal means algorithm	Junmin Leng, Xinzhu Sang, and Binbin Yan	040301	
Detectors			
Compact waveguide bandpass filter employing two-dimensional metallic photonic crystals for millimeter to terahertz frequencies	Feng Lan, Ziqiang Yang, Limei Qi, and Zongjun Shi	040401	
Temperature and metal composition dependence of lateral photovoltaic effect in Al-Alq $_3/\mathrm{SiO}_2/\mathrm{Si}$ structures	Chao Wang, Junqiang Shao, Zelin Mu, Wenming Liu, and Gang Ni	040402	
Fiber Optics and Optical Communications			
63-Tb/s ($368\times183.3\text{-Gb/s}$) C- and L-band all-Raman transmission over 160-km SSMF using PDM-OFDM- 16QAM modulation	Chao Li, Ming Luo, Xiao Xiao, Jie Li, Zhixue He, Qi Yang, Zhu Yang, and Shaohua Yu	040601	
Hybrid approach for loss recovery mechanism in OBS networks	Ramesh P.G.V. and Prita Nair	040602	
$20\mbox{-}\mathrm{Gbps}$ low cost WDM-OFDM-PON downstream transmission with tunable filter and linear APD module	Hao He, Jun Li, Meihua Bi, and Weisheng Hu	040603	
Data-aided channel estimation and frequency domain equalization of minimum-shift keying in optical transmission systems	Dingxin Xie, Jing He, Lin Chen, Jin Tang, and Ming Chen	040604	
Imaging Systems			
Superresolution imaging of DNA tetrahedral nanostructures in cells by STED method with continuous wave lasers	Jiancong Du, Suhui Deng, Shangguo Hou, Lingling Qiao, Jianfang Chen, Qing Huang, Chunhai Fan, Ya Cheng, and Yun Zhao	041101	

Lasers and Laser Optics		
Line-narrowed electro-optic periodically-poled-lithium-niobate Q -switched laser with intra-cavity optical parametric oscillation using a grazing-incidence grating	An-Chung Chiang and Yen-Yin Lin	041401
Multifunctional high-performance 10-J level laser system	Yujie Peng, Jiangfeng Wang, Zhixiang Zhang, Dajie huang, Wei Fan, and Xuechun Li	041402
In-situ synthesis of Fe-Mn-Si-Cr-Ni shape memory alloy functional coating by laser cladding	Peng Xu, Heng Ju, Chengxin Lin, Chaoyu Zhou, and Dewei Pan	031403
Materials		
Influence of dielectric layer on negative refractive index and transmission of metal-dielectric-metal sandwiched metamaterials	Min Zhong	041601
Nolinear Optics		
Incoherently coupled spatial soliton families in biased two-photon photorefractive crystals with both the linear and quadratic electro- optic effect	Lili Hao, Chunfeng Hou, and Qiang Wang	041901
Physical Optics		
Voltage-controlled transmission through a dielectric slab doped with quantum dot molecules	Lida Ebrahimi Zohravi and Mohammad Mahmoudi	042601
Temporal characteristic analysis of stepped pulse on hohlraum wall	Zhaoyang Jiao, Yanli Zhang, Junyong Zhang, and Jianqiang Zhu	042602
Remote Sensing and Sensors		
Fiber-optic surface plasmon resonance-based sensor with AZO/Au bilayered sensing layer	Woo-Hu Tsai, Kuen-Cherng Lin, Shu-Ming Yang, Yu-Chia Tsao, and Ping-Jing Ho	042801
Image improvement based on sub-pixel post- integration for a staring imaging system in geostationary orbit	Xiaoping Tao and Feng Yan	042802
Spectroscopy		
High-throughput deconvolution-resolved computational spectrometer	Jiang Yue, Jing Han, Yi Zhang, and Lianfa Bai	043001
Simple design flow injection PMMA acrylic sample cell for nitrite determination	Faizar Abdurrahman, Norhana Arsad, Sabiran,	043002

 $and\ Harry\ Ramza$