Chinese Optics Letters

Volume 12 Number 5 May 10, 2014 www.col.org.cn

Fiber Optics and Optical Communications

based on photoacoustic imaging

Suspended twin-core fiber for optical switching	Xiaogang Jiang, Daru Chen, Gaofeng Feng, and Junyong Yang	050601
Performance evaluation of a WDM/OCDM based hybrid optical switch utilizing efficient resource allocation	Ahmed Nabih Zaki Rashed, Abd-Elnaser A. Mohammed, and Osama M. A. Dardeer	050602
Polarization multiplexing QPSK signal trans- mission in optical wireless-over fiber integra- tion system at W-band	Jiangnan Xiao, Chanjuan Tang, Xinying Li, Jianjun Yu, Xingxing Huan Chao Yang, and Nan Chi	050603 .g,
Fourier Optics and Signal Proce	ssing	
Tunable rectangular array illuminator in peri- odically poled LiNbO ₃ crystal	Qiuying Li, Juan Huo, Xiaohui Zhao, and Xianfeng Chen	050701
Geometrical Optics		
Road surface condition sensor based on scan- ning detection of backward power	Songsong Xu, Chi Ruan, and Lili Feng	050801
Imaging Systems		
Optical phase control for MMW sparse aper- tureupconversion imaging	Yuntao He, Haiping Huang, Yuesong Jiang, and Yuedong Zhang	051101
Instrumentation, Measurement,	and Metrology	
Uncertainty analysis of a pavement reflectance measurement system based on a gonio- photometer	Shenglong Fan, Muqing Liu, and Haiping Shen	051201
Materials		
Energy transfer mechanism in Er^{3+} doped fluoride glass sensitized by Tm^{3+} or Ho^{3+} for 2.7- $\mu\mathrm{m}$ emission	Feifei Huang, Xueqiang Liu, Weiwei Li, Lili Hu, and Danping Chen	051601
$ \label{eq:effects} \begin{array}{l} {\rm Effects \ of \ charge \ compensation \ on \ red \ emission \ in \ CaYAl_3O_7: Eu^{3+} \ phosphor \end{array} } \\ \end{array} $	Hongling Yu, Xue Yu, Xuhui Xu, Qing Jiao, Tingming Jiang, Xuee Liu, Dacheng Zhou, and Jianbei Qiu	051602
Medical Optics and Biotechnolog	gy	
Iterative sparse reconstruction of spectral do- main OCT signal	Xuan Liu and Jin U. Kang	051701
Reconstruction of 3D light distribution pro- duced by cylindrical diffuser in deep tissues	Wenming Xie, Yubin Liu, Zhifang Li, and Hui Li	051702

 $Contents \ continued$

Simulation of light delivery for photoacoustic breast imaging using the handheld probe	Guohe Wang, Honghong Zhao, Qiushi Ren, and Changhui Li	051703
$In\ vivo$ photoacoustic chorioretinal vascular imaging in albino mouse	Wei Song, Qing Wei, Rui Zhang, and Hao F. Zhang	051704
Analysis of colonic autofluorescence spectra using multivariate curve resolution alternating least squares Optical Design and Fabrication	Lina Liu, Changshun Yang, Weihua Li, Buhong Li, and Shusen Xie	051705
Indoor positioning modeling by visible light communication and imaging Optical Devices	Jinguo Quan, Bo Bai, Shuang Jin, and Yan Zhang	052201
OFDM visible light communication transmit- ter based on LED array	Hao Dong, Hongming Zhang, Kai Lang, Bingyan Yu, and Minyu Yao	052301
Quantum Optics		
High-order ghost imaging of reference beam	Anning Zhang, Wenping Li, Lianjie Zhao, Hui Ye, Yan Liu, Xiaogang Wei, and Zenbin Wang	052701
Thin Films		
Optimization of thickness uniformity of coat- ings on spherical substrates using shadow masks in a planetary rotation system	Jian Sun, Weili Zhang, Kui Yi, and Jianda Shao	053101
Design of transverse magnetic-reflected polar- izing film	Songquan Li, Laixu Gao, Shugang Liu, Chunyu Liu, Yan Huang, and Hongan Ye	053102
Other Areas of Optics		
A differential evolution approach for parame- ter extraction of solar cell from current-voltage	Meiying Ye and Xiaodong Wang	053501

characteristics