

Chinese Optics Letters

Volume 18
Number 5
May 2020
col.clp.ac.cn

Fiber Optics and Optical Communications

- Uniformly high-speed semi-open loop polarization control and PMD suppression [Editors' Pick] *Bochen Wang and Zhengyong Li* 050601
- Deep learning for position fixing in the micron scale by using convolutional neural networks *Hongye Li, Hu Liang, Qihao Hu, Meng Wang, and Zefeng Wang* 050602

Optical Sensing, Measurements, and Metrology

- Displacement measurement method based on laser self-mixing interference in the presence of speckle *Yan Zhao and Haiwei Zhang* 051201

Integrated Optics

- Experimental observation of topologically protected defect states in silicon waveguide arrays *Tiangying Lin, Ze Chen, Xiaopei Zhang, He Li, Xiaoping Liu, and Haibin Lü* 051301

Lasers and Laser Optics

- Temperature measurement based on adaptive dual-comb absorption spectral detection *Kangwen Yang, Hai Li, Hang Gong, Xuling Shen, Qiang Hao, Ming Yan, Kun Huang, and Heping Zeng* 051401
- Investigation of multispectral SF₆ stimulated Raman scattering laser *Chencheng Shen, Xianglong Cai, Youbao Sang, Tiancheng Zheng, Zhonghui Li, Dong Liu, Wanfa Liu, and Jingwei Guo* 051402
- Experimental investigation of spontaneous emission characteristics of InGaAs-based indium-rich cluster-induced special quantum structure [Editors' Pick] *Ming Zheng, Qingnan Yu, Hanxu Tai, Jianwei Zhang, Yongqiang Ning, and Jian Wu* 051403
- Ultimate capacity analysis of cladding-pumped 10/130 Tm: fiber laser *Encai Ji, Jie Shi, Congwen Zha, Jing Zeng, Xinwu Zhou, Zhengdi He, Yong Yao, and Qitao Lü* 051404
- Laser-induced liquid tin discharge plasma and its EUV spectra *Junwu Wang, Xinbing Wang, Duluo Zuo, and Vassily Zakharov* 051405

Materials

- Blue-green color-tunable emissions in novel transparent Sr₂LuF₇:Eu/Tb glass-ceramics for WLEDs *Xiaoman Li, Shaoshuai Zhou, Rongfei Wei, Xueyun Liu, Bingqiang Cao, and Hai Guo* 051601

Contents continued

Biomedical Optics

Detection of breast cancer based on novel porous silicon Bragg reflector surface-enhanced Raman spectroscopy-active structure *Xiaorong Ma, Hong Cheng, Junwei Hou, Zhenhong Jia, Guohua Wu, Xiaoyi Lü, Hongyi Li, Xiangxiang Zheng, and Chen Chen* 051701

Nonlinear Optics

High repetition rate picosecond LiNbO₃ THz parametric amplifier and parametric gain *Yuting Yang, Gang Zhao, Yue Huang, Liwen Feng, Senlin Huang, and Kexin Liu* 051901

Plasmonics and Metamaterials

Wide range bilayer aluminum nanowire grating sensors with robust reflective peaks *Zhicheng Ye and Jun Zheng* 052401

A polarization-insensitive fishnet/spacer/mirror plasmonic absorber for hot electron photodetection application *Zhiqiang Yang, Kang Du, Wending Zhang, Soojin Chua, and Ting Mei* 052402

Optoelectronics

Switchable microwave photonic filter using a phase modulator and a silicon-on-insulator micro-ring resonator *Simin Li, Rong Cong, Zhengqian He, Tianliang Wang, Fangzheng Zhang, and Shilong Pan* 052501

Physical Optics

Broadband NIR absorber based on square lattice arrangement in metallic and dielectric state VO₂ *Rong Tian, Yi Li, Zhimin Liu, Jianzhong Zhou, Jin Liu, Lina Fan, Wenqing Zhao, Junxian Li, Xin Zhang, Chuang Peng, Yuda Wu, Xiaohua Wang, and Baoying Fang* 052601

Quantum Optics and Quantum Information

Photonic discrete-time quantum walks [On the Cover] *Gaoyan Zhu, Lei Xiao, Bingzi Huo, and Peng Xue* 052701

The color images are shown online.