

Chinese Optics Letters

Volume 13
Number 7
July 10, 2015
www.col.org.cn

SPECIAL ISSUE ON MULTIPHOTON PROCESSES

Editorial for Special Issue on Multiphoton Processes	<i>Zhizhan Xu and Ruxin Li</i>	070001
Soft X-ray laser observation of femtosecond-laser-driven ablation of tungsten	<i>Masaharu Nishikino, Noboru Hasegawa, Masahiko Ishino, Yoshihiro Ochi, Tetsuya Kawachi, Mitsuru Yamagiwa, and Yoshiaki Kato</i>	070002
High-repetition-rate femtosecond laser micro-machining of poly(methyl methacrylate)	<i>Yiming Luo, Wei Jia, Youjian Song, Bowen Liu, Minglie Hu, Lu Chai, and Chingyue Wang</i>	070003
Elastic rescattering photoelectron distributions entering the relativistic regime	<i>Sui S. Luo, Pat Grugan, Siyu Luo, and Barry C. Walker</i>	070004
Behavior of the relativistic angular and energy distributions of atoms exposed to a strong and low-frequency circularly polarized laser field	<i>Tatjana B. Miladinović and Violeta M. Petrović</i>	070005
Quantum-orbit theory of low-energy above-threshold ionization on and off axis	<i>W. Becker and D. B. Milošević</i>	070006
Photoemission mechanisms of methane in intense laser fields	<i>Huailiang Xu, Ruxin Li, and See Leang Chin</i>	070007
Turbulence-induced beam wandering during femtosecond laser filamentation	<i>Tao Zeng, Hui Gao, Xiaodong Sun, and Weiwei Liu</i>	070008
Temporal self-modifying characteristics of pulse propagation in multiphoton absorbers	<i>Kun Cheng, Sujuan Zhang, Wei Li, Wanjun Dai, Dongxia Hu, and Feng Jing</i>	070009

REGULAR PAPERS

Coherence and statistical optics

Three-dimensional color photon counting microscopy using Bayesian estimation with adaptive priori information	<i>Myungjin Cho</i>	070301
---	---------------------	--------

Detectors

Experimental investigation of the startup time difference between high-speed cameras	<i>Yanyan Cao, Chao Wang, Qinwei Ma, and Shaopeng Ma</i>	070401
--	--	--------

Contents continued

Diffraction and gratings

- Characterization of external refractive index sensitivity of a photonic crystal fiber long-period grating *Fei Tian, Jiri Kanka, and Henry Du* 070501

Image processing

- Femtosecond laser induced periodic large-scale surface structures on metals *Xiangming Dong, Haiying Song, and Shibing Liu* 071001
- Fast reconstruction in fluorescence molecular tomography using data compression of intra- and inter-projections *Jiulou Zhang, Junwei Shi, Simin Zuo, Fei Liu, Jing Bai, and Jianwen Luo* 071002

Imaging systems

- Optimization of speckle patterns in ghost imaging via sparse constraints by mutual coherence minimization *Xuyang Xu, Enrong Li, Xia Shen, and Shensheng Han* 071101
- Depth map resolution improvement for 3D range-intensity correlation laser imaging *Xiaoquan Liu, Xinwei Wang, Yinan Cao, Songtao Fan, Yan Zhou, and Yuliang Liu* 071102

Lasers and laser optics

- Realization of a continuous frequency-tuning Ti:sapphire laser with an intracavity locked etalon *Xuejun Sun, Jiao Wei, Wenzhe Wang, and Huadong Lu* 071401
- Highly efficient continuous-wave laser operation of laser diode-pumped Nd,Y:CaF₂ crystals *Qian Zhang, Liangbi Su, Dapeng Jiang, Fengkai Ma, Zhipeng Qin, Guoqiang Xie, Jiangan Zheng, Qinghua Deng, Wanguo Zheng, Liejia Qian, and Jun Xu* 071402
- Diode-pumped, narrow-linewidth, linearly polarized, passively Q-switched 1645 nm Er:YAG laser *Zhenzhen Yu, Mingjian Wang, Xia Hou, and Weibiao Chen* 071403
- Fast-forming focused spots through a multimode fiber based on an adaptive parallel coordinate algorithm *Zhe Yin, Guodong Liu, Fengdong Chen, and Bingguo Liu* 071404

Materials

- Luminescence of Tb³⁺/Eu³⁺ codoped LiYF₄ single crystals under UV excitation for white-light LEDs *Yongzhang Jiang, Haiping Xia, Shuo Yang, Jiazhong Zhang, Dongsheng Jiang, Cheng Wang, Zhigang Feng, Jian Zhang, Xuemei Gu, Jianli Zhang, Haochuan Jiang, and Baojiu Chen* 071601

Medical optics and biotechnology

- Hyperspectral high-dynamic-range endoscopic mucosal imaging *Changsheng Liu, Zhimin Han, and Tianyu Xie* 071701

Nonlinear optics

- Effect of Fe concentration on the nonlinear refraction and reverse saturable absorption in ferroelectric X-cut LiNbO₃ crystal *H. L. Saadon* 071901

Optical devices

- Color holographic zoom system based on a liquid lens *Di Wang, Qionghua Wang, Chuan Shen, Xin Zhou, and Chao Liu* 072301

Adaptive frequency domain pre-equalization for white-LED nonlinearity in OFDM-based visible light communication systems *Ruqi Zhang, Jianfeng Li, Zhitong Huang, and Yuefeng Ji* 072302

Remote sensing and sensors

Simultaneous 3D temperature and velocity field measurements of micro-flow with laser-induced fluorescence and micro-digital holographic particle tracking velocimetry: Numerical study *Longchao Yao, Xuecheng Wu, Jing Yang, Yingchun Wu, Xiang Gao, Linghong Chen, Gérard Gréhan, and Kefa Cen* 072801

Spectroscopy

Polarization spectroscopy of the 1S_0 - 3P_1 transition of mercury isotopes at 253.7 nm *Xiaohu Fu, Kangkang Liu, Ruchen Zhao, Wei Gou, Jianfang Sun, Zhen Xu, and Yuzhu Wang* 073001

Vision, color, and visual optics

Chromaticity of white sensation for LED lighting *Qing Wang, Haisong Xu, and Jianqi Cai* 073301