

Micro-Nanostructures

- 0321 Research on the impact of spin coating silver nano clusters on the performance of OLED devices HU Jun-tao (胡俊涛), WEI Qing-qing (卫庆庆), LI Jie (李杰), XU Kai (许凯) , and WANG Xiang-hua (王向华)

Devices

- 0325 Performance improvement of a self-heterodyne detection BOTDR system employing broad-band laser LI Xiao-juan (李晓娟), LI Yong-qian (李永倩), ZENG Wen-xian (曾文献), FAN Han-bai (范寒柏), and ZHANG Li-xin (张立欣)
- 0331 Numerical research on whispering-gallery modes in a triple-layer-coated microsphere resonator WANG Meng-yu (王梦宇), JIN Xue-ying (金雪莹), and WANG Ke-yi (王克逸)
- 0336 Research on mode division multiplexer with graded-index distribution, low loss and low crosstalk LIU Qian-qian (刘倩倩), ZHENG Hong-jun (郑宏军), LI Xin (黎昕), BAI Cheng-lin (白成林), HU Wei-sheng (胡卫生), and YU Ru-yuan (于如愿)
- 0342 1 550 nm long-wavelength vertical-cavity surface emitting lasers LIU Li-jie (刘丽杰), WU Yuan-da (吴远大), WANG Yue (王玥), AN Jun-ming (安俊明), and HU Xiong-wei (胡雄伟)
- 0346 Thin-core fiber-optic biosensor for DNA hybridization detection LONG Shao-cong (龙少聪), ZHU Yan-ru (朱彦儒), HU Mu-yun (胡慕芸), QI Yi-fan (祁一凡), JIANG Yun-rui (蒋韵睿), LIU Bo (刘波), and ZHANG Xu (张旭)
- 0350 Optimization for tandem organic light-emitting diodes based on Firpic WANG Pei (王培), WANG Zhen (王振), and ZHENG Xin (郑新)

Materials

- 0355 Optical properties of Cr³⁺ doped Na₅Lu₉F₃₂ single crystals grown by the Bridgman method ZHAO Zhi-wei (赵志伟), XIA Hai-ping (夏海平), HU Jian-xu (胡建旭), ZHANG Jian-li (章践立), ZHU Yong-sheng (朱永胜) , and CHEN Bao-jiu (陈宝玖)
- 0359 Mechanism of the UV band-edge photorefractivity enhancement in near-stoichiometric LiNbO₃ XIN Fei-fei (辛非非)

- 0363 The impact of Al_2O_3 back interface layer on low-temperature growth of ultrathin $\text{Cu}(\text{In},\text{Ga})\text{Se}_2$ solar cells LIU Yang (刘杨), LIU Wei (刘玮), CHEN Meng-xin (陈梦馨), SHI Si-han (史思涵), HE Zhi-chao (何志超), GONG Jin-long (巩金龙), WANG Tuo (王拓), ZHOU Zhi-qiang (周志强), LIU Fang-fang (刘芳芳), SUN Yun (孙云), and XU Shu (徐术)
- 0367 Steady state multiple dark spatial solitons in the biased photorefractive-photovoltaic crystals ZHANG Yu-hong (张玉虹), SU Wei (苏炜), DUAN Cun-li (段存丽), and TIAN Ai-ling (田爱玲)

Optical Fibers and Communications

- 0372 Coherent quadrature phase shift keying optical communication systems Fady I. El-Nahal
- 0376 VCSEL polarization modulation for pulse-per-second clock signal transfer in optical frequency distribution systems G. M. Isoe, A. W. R. Leitch and T. B. Gibbon

Measurement Devices and Methods

- 0380 Rapid detection of cAMP content in red jujube using near-infrared spectroscopy YAN Wen-li (闫文丽), REN Shui-ying (任水英), YUE Xia-xia (岳霞霞), TANG Jun (唐军), CHEN Chen (陈晨), LÜ Xiao-yi (吕小毅), and MO Jia-qing (莫家庆)

Image and Information Processing

- 0384 Scaling-based energy-quality multilevel control for aerial imagery GONG Xiao-hui (宫晓蕙), LIU Hao (刘浩), SUN Jia-tong (孙嘉瞳), ZHANG Xin-sheng (张鑫生), and SUN Xiao-fan (孙晓帆)
- 0391 Depth image super-resolution algorithm based on structural features and non-local means WANG Jing (王靖), ZHANG Wei-zhong (张维忠), HUANG Bao-xiang (黄宝香), and YANG Huan (杨环)

Biomedical Photonics

- 0396 Light absorption distribution of uterine tissue filled with strong scattering medium irradiated by diffused light source LIN Yong-ping (林永平), LIU Lan-tian (刘蓝天), LI Zhi-fang (李志芳), CAI Jian-yong (蔡坚勇), and LI Hui (李晖)