



Seventh symposium on novel photoelectronic detection technology and applications : 5-7 November 2020 Kunming, China /

Su, Junhong,
editor

Monografía

<https://rebiunoda.pro.baratznet.cloud:28443/OpacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMzM2MDc5NTI>

Título: Seventh symposium on novel photoelectronic detection technology and applications 5-7 November 2020 Kunming, China edited by Junhong Su [and three others]

Editorial: Bellingham, Washington SPIE [2021] 2021

Descripción física: 1 online resource (2828 pages)

Mención de serie: Proceedings of SPIE Volume 11763

Contenido: Moving target detection for three-channel SAR based on adaptive phase center offset antenna technology / Author(s): Yi Jiang; Fan Zhang -- Amplitude and phase test system in outfield for T/R modules on active phased array radar / Author(s): Yi Jiang; Fan Zhang -- Research on precision measurement and assembly technology of Fery prism / Author(s): Xihong Fu; Libo Li; Nana Ma; Xiaoquan Chou; Shifa Kang; Hua Li -- Research on light intensity distribution of end-pumped 1064nm Q-switched laser / Author(s): Cai-li Wang; San-zhao Wang; Shi-yong Xie; Pu-guang Song; Xian Zhang; Yue-chong Feng; Juan Liu; Hao-yang Yu -- Lattice phenomenon and mechanism analysis of CMOS image sensor irradiated by 532 nm laser / Author(s): Rongzhen Zhu; Haibo Zhang; Zhaohu Wang; Xuanfeng Zhou; Yanbin Wang; Ziyang Li -- Research on hybrid TDI accumulation technology base on image registration / Author(s): Liang Nan; LiYang Zhai -- Research on anti-SEU strategy for remote sensing camera based on SRAM-FPGA / Author(s): Caili Shen; Nan Liang -- A comparison of models for correcting astronomical atmospheric refraction / Author(s): Daochun Yu; Haitao Li; Baoquan Li -- Extending the near-infrared response of a VOPc-based organic photodetector by depositing VOPc on a p-6P modified ITO substrate / Author(s): Yuquan Zhang; Weijun Chen; Chang Song; De Song -- Optimal ordering strategy of Hadamard measurement basis for single-pixel imaging / Author(s): Can Li; Xiaobo Tan; Shaorong Chen; Zhaowen Zhuang -- Analysis and correction of the image motion for the rolling shutter CMOS detector / Author(s): Yun-Hui Li; Xiao-Dong Wang; Wen-Guang Liu; Peng-Ji Zhou; Jing-Tao Huang -- Radiometric calibration method of MWIR spectrometer coded by Hadamard transform / Author(s): Tao Sun; HuiMin Cai; Yan

Zhou -- Cotton quality intelligent classification-based image-fusion vision inspection / Author(s): Xiao-Hui Li; Peng-Yu Huang; Shu-Zhen Yang; Zhi-Yong Chen; Zhong-Qing Cao; Peng Yang; Su-Juan Liu; Rui-Liang Zhang; Yuan Yuan Liu; Zhi-Feng Zhang -- Molecular beam epitaxial InSb infrared photodiode with low dark current / Author(s): Xubo Zhu; Yanqiu Lyu; Zhenyu Peng; Xiancun Cao; Lixue Zhang; Guansheng Yao; Jiabin Ding -- Based on infrared laser Imaging research on foreign objects detection between subway door / Author(s): Peng Yang; Rui Wang; Zhi-Feng Zhang; Yuan-Yuan Liu; Zhong-Qing Cao; Rui-Liang Zhang; Peng-Yu Huang; Yun-Wu Liang; Kun Yang; Shu-Zhen Yang; Zhi-Yong Chen; Xiao-Hui Li -- Remote sensing interpretation of Erennaoer Sag and research on metallogenesis of sandstone-type uranium deposit / Author(s): Zhang-fa Yu; Yuan-tao Zhang -- Measurement of complex refractive index of graphene in infrared bands by reflection spectra / Author(s): Kai Li; Xuanyu Wang; Zeqian Wu; Wenjie Dong; Yueyue Sun -- Quick searching method for common edges / Author(s): Gaogui Xu; Chunzhu Dong; Hongcheng Yin -- AA Tau polarimetric observation using Kanata HONIR instrument / Author(s): Wei Liu; Koji S. Kawabata; Hiroshi Akitaya -- Research on obtaining temperature by using the relative intensity of the hydroxyl radical spectrum in the ultraviolet band / Author(s): Qiang Lv; Lu Bai; Jinyu Xie; Yankun Wang; Danmeng Zhang -- The readout system design of 320x256 InGaAs astronomical camera / Author(s): Wei Liu; Jinrui Men; Zheng Lou -- Temperature sensor based on light scattering measurement of microcavity-coupled nanoparticles / Author(s): Xunong Zhang; Jianjun Lai -- Towards dual-band shot-wave and mid-wave infrared focal plane array by using colloidal quantum dots / Author(s): Xin Tang; Qun Hao -- PON-based bus-type optical fiber data bus / Author(s): Haidong Xue; Qi Wu; Hongbo Yin; Yujie Bai; Xiaojuan Lin; Ping Ji; Hailin Yin; Jun Chai; Min Luo; Anfeng Chen; Jiaobo Gao; Bixi Du -- Optical element fabrication for anti-sniper laser detection / Author(s): Zhibin Wang; Minyin Jiao; Yunlong Zhang; Feng Zhang; Zheng Zhang -- Review of reliability research on infrared detector / Author(s): Yang Wang; Chao Meng; Wei Ma -- Microwave signal generation based on the optoelectronic oscillator with a dual-long-loop configuration / Author(s): Zhiqiang Shen; Yuan Zhao -- Experimental study on single photon heterodyne detection performance / Author(s): Hongzhou Dong; Mingwu Ao; Xianming Yang; Yong Liu -- Orbital angular momentum transmission characteristics in atmospheric turbulence / Author(s): Songjian Pang; Hongxia Mao; Zhenhua Wang; Xingdong Bao -- Simulation study of detection system on LED stimulated plant chlorophyll fluorescence / Author(s): Zhen-yuan Ma; Min Jing; Man-long Chen; Fan Yang; Min Ding; Qi Zhang -- Measurement of fireball characteristic based on high-speed photography / Author(s): Xuejiao Ma; Deren Kong; Fei Shang; Yuyan Guo; Rui Wang -- Terahertz wavefront manipulation in graphene metalens for dual polarization incidences / Author(s): Yuhui Zhang; Yuegang Fu -- Research on optimal skip connection scale in learning-based scattering imaging / Author(s): Yingjie Shi; Enlai Guo; Shuo Zhu; Jie Gu; Lianfa Bai; Jing Han -- Polarization imaging detection method based on dynamic vision sensor / Author(s): Xiaotian Lu; Feng Li; Bian Xiao; Xue Yang; Lei Xin; Zhijia Liu -- Research on point cloud data processing for helicopter aided navigation / Author(s): Kai Liu; Jing Wu; Jun-Jie Li; Jing-Jing Shen -- Application of fuzzy active disturbance rejection control in stable imaging / Author(s): Yue-jie Zhang; Peng Zhang; Cheng-ping Ran; Xin-yong Zhang -- Remote sensing of the aquatic environment by semiconductor laser-induced fluorescence lidar / Author(s): Lanjun Sun; Shaojun Zhang; Zhaoshuo Tian; Yuehong Gong; Yanchao Zhang -- Research on fast cloud detection based on FPGA / Author(s): Xiaokang Xu; Hongyang Bai; Yuxin Zhou; Hongwei Guo -- Point target detection methods based on multi-frame association / Author(s): Xiliang Tong; Gongmin Yu; Feng Zhou; Ke Yin -- Column nonuniformity analysis of digital ROIC for infrared focal plane array / Author(s): Yuesheng Pu; Nan Chen; Jiqing Zhang; Wenbiao Mao; Shengyou Zhong; Libin Yao -- Research on aerodynamic performance of parafoil for autonomous recovery / Author(s): Yan-hong Li; Jian-guo Yan -- Infrared radiation target characteristics of six rotors UAV / Author(s): Zhenhua Wang; Xingdong Bao; Hongxia Mao; Tao Zhao; Sihui Wang -- Design and simulation of InGaAs/InP avalanche photodiode for single photon detection / Author(s): Rui Yang -- Camera model and image rectification method for imaging through water-air Snell's window from underwater / Author(s): Ruiwen Zhang; Dahua He; Yapeng Li -- 768x576 bit interline transfer EMCCD sensor / Author(s): Qingfei Liu; Chunye Xu; Jie Xu; Weijing Chang; Fang Dai; Jianqiang Zhao -- Research on alteration information extraction based on GF-5 VIMS / Author(s): Yuantao Zhang; Zhangfa Yu; Wei Pan -- A design of tracking system with multiple tracking methods deployed on Hisilicon platform / Author(s): Ciyu Long; Weihua Wang; Chuwei Li -- Design of ultraviolet optical system based on AlGaN solar blind ultraviolet image intensifier / Author(s): Miaoxin Wang; Hongchang Cheng -- Long-range coherent lidar based on pulse-compression / Author(s): Jing Yang; Bin Zhao; Bo Liu -- Variable step length method for optical adjustment in space-borne lidar / Author(s): Wenjing Zhang; Chidong Xu; Yi Cai -- Urban river water quality monitoring with unmanned plane hyperspectral remote sensing data / Author(s): Cailan Gong; Lan Li; Yong Hu; Xinhui Wang; Zhijie He; Xiaoying Wang -- Facial expression

recognition using switch instance-batch normalization / Author(s): Wenhao Tang -- 4.05kW monolithic narrow line-width near diffraction-limited fiber laser / Author(s): Yun Luo; Ruoyu Liao; Yi Shi; Pengfei Zhao; Xianheng Yang; Sixin Wu; Dongyang Zou; Qihua Wang; Li'e Ouyang; Yunfeng You; Jing Wen; Jianjun Wang; Feng Jing -- Design of a high-performance EMCCD imaging system / Author(s): Caiyong Wu; Guohua Gu; Qian Chen; Weiji He; Wenwen Zhang; Haiqi Zhu -- Large array EMCCD driving circuit design / Author(s): Haiqi Zhu; Qian Chen; Weiji He; Guohua Gu; Wenwen Zhang; Caiyong Wu -- A novel infrared target detection and tracking method / Author(s): Qiang Fan; Yue Yang; ErBo Zou -- Airborne actively Q-switched quasi-continuous-wave all-solid-state laser / Author(s): Ying Xiong; Yi Yang; Pei-yu Hao; Yi Li; Wei-hua Wan; Xuan Meng -- Detection of surface defects and dimensions of graphite seal ring based on machine vision / Author(s): Kui Li; Man-long Chen marine applications of optical neural network / Author(s): Jianmin Xiong; Zejun Zhang; Jing Xu -- Free-form objective for three generation image intensifier / Author(s): Weijun Chang; Bo Zhang; Feng Zhang; Ting Sun -- Fabrication of spectral differential four channel microfiltration array / Author(s): Guang-yi Xiao; Huan Zhang; Xiao-li Xie; Sheng-li Chang; Jing-yue Fang -- Testing the space optical telescope optical system with modified phase retrieval technology / Author(s): Xinxue Ma; Jianli Wang; Bin Wang; Xinyue Liu; Hongwen Li -- Single-photon imaging detection technology / Author(s): Chunyang Li; Tinghua Zhang -- A summary of research progress of single image to remove rain and fog based on deep learning / Author(s): Xiaoqi Qin; Xiaoqin Liu; Chao Mu; Kang Mei -- The influence of coding template elements rounded error on the spectrum in compressed sampling hyperspectral imaging / Author(s): Mengjun Zhu; Junli Qi; Meicheng Fu; Jinghan Pan; Wusheng Tang; Wenjun Yi; Guocheng Huang; Jubo Zhu; Xiujian Li -- Intelligent ship detection method based on spatial-spectrum features / Author(s): Chengcheng Fan; Yonghe Zhang; Xinpeng Wang; Dinghui Shang; Yukun Sun -- Research on improving imaging field of view of laser imaging through scattering media / Author(s): Jiahuan Li; Zijing Zhang; Yuan Zhou -- Hyperspectral and multispectral remote sensing of aerosols based on surface spectral reconstruction by PCA / Author(s): Weizhen Hou; Zhengqiang Li; Dong Yang; Siheng Wang; Hua Xu -- The effort of finding p-type - Ga₂O₃-a review of theoretical and experimental research / Author(s): Shan-shan Ren; Jun Ma; He Zhao; Xiao-qian Fu -- Fabrication of 64×64 InGaAs/InP avalanche photodiode (APD) focal plane arrays / Author(s): Rui Yang -- A fast recognition algorithm for dimension decreased extraction of space non-cooperative target / Author(s): Yue Liu; Jinyu Fu; Yifan Liu; Guanghui Sun -- Research on flow and infrared radiation characteristics unsteady plume in atmospheric environment / Author(s): Yun-ping Wang -- Depth feature extraction for mineral mixed spectrum analysis based hyperspectral data / Author(s): Kai Qin; Yingjun Zhao; Ling Zhu; Yuechao Yang; Xin Cui -- Radiometric calibration of low light imager based on specialized light sources / Author(s): Shuo Ma; Shensen Hu; Yunxian Huang; Wei Yan -- Measurement of orbital angular momentum / Author(s): Songjian Pang; Hongxia Mao; Zhenhua Wang; Xingdong Bao -- Single photo detector epitaxial design and optimization / Author(s): Wenliang Hu; Zhiqiang Qi; Haocheng Sun -- Design of space visible high dynamic camera / Author(s): Jin-bao Yang; Chen Yang; Ting Li; Chun-ying Zhang; Long-ting Li; Shu Xu; Tao Wang -- Spectral radiation characteristics of high temperature gas in low altitude environment / Author(s): Zhenhua Wang; Xingdong Bao; Hongxia Mao; Dong Liu -- Adaptive infrared medium and long wave image fusion method based on color transfer algorithm / Author(s): Runqi Zhang; Wenqing Hong; Junbo Su; Chuanming Liu; Qian Li -- Application of photoelectric measurement technology in volume measurement of large LNG vertical storage tank / Author(s): Ze'nan Wu; Xianlei Chen; Huadong Hao; Haolei Shi; Junxue Chen; Zhenqian Shen; Guohong Li; Huizhong Xu -- Research on missile avoidance decision training based on improved DDPG algorithm / Author(s): Xin-Lei Fan; Jie Zou; Peng-fei Wang; Kai Liu -- Compressive circular polarization imaging spectrometry / Author(s): Jianglan Ning; Zhilong Xu; Dan Wu; Yingge Xie; Rui Zhang; Yuanyuan Wang; Wei Zhao; Wenyi Ren -- Mid-wave infrared spatial heterodyne interference imaging spectrometer / Author(s): Siliang Li; Yi Ding; Zhiwei Li; Hailiang Shi; Wei Xiong; Haiyan Luo -- Applications and analyses of laser detection technology in the laser guided bomb / Author(s): Qiang Huang; Changwei Mi; Bo Lang; Xiaofu He; Yuan Liang; Quanbai Wan -- A single-photon lidar ranging accuracy evaluation model / Author(s): Jiacheng Luo; Bo Liu; Kangjian Hua -- Pre-emphasis based Fourier phase shifting ghost imaging / Author(s): Xiaodi Yu; Shengmei Zhao; Le Wang -- Research on improving reconstruction quality from holograms of marine algae in digital holographic microscopy / Author(s): Zhiyuan Tang; Ming Tang; Xin Qiao; Kaiqi Lang; Xiaoping Wang -- Efficient and noise robust photon-counting imaging method / Author(s): Kangjian Hua; Bo Liu; Huachuang Wang; Liang Fang; Zhen Chen; Jiacheng Luo -- A comparison of methods in feature extraction for the classification of algae / Author(s): Shihan Shan; Senlin Chen; Zhuoyun Xu; Xiaoping Wang; Mengmeng Tong -- Identification of true or false blood based on photoacoustic spectroscopy combined with LDA-iPLS algorithm / Author(s): Zhong Ren; Tao Liu; Guodong Liu -- An infrared scanning temperature

measurement system based on wireless transmission / Author(s): Shaosheng Dai; Songkui Li; Lian Huang -- Design and implementation of image sample management database / Author(s): Yuanyuan Zhou; Zili Tang; Bo Zhang; Tiejun Zhou; Yinghui Wen; Haiying Wu -- Research on anti-occlusion and anti-deformation tracking based on background prediction and progressive detection / Author(s): Zili Tang; Yuanyuan Zhou; Bo Zhang; Tiejun Zhou; Zhizheng Zhang; Haiying Wu -- 3D imaging model of airborne LiDAR system / Author(s): Jun Qiao; Yaohong Zhao -- Guidance law based on zero effort miss and Q-learning algorithm / Author(s): Xianjun He; Zhihua Chen; Fang Jia; Mingyu Wu -- Non-uniformity correction algorithm based on improved neural network / Author(s): Xin Zhang; Huan Li; Juntao Hou; Dong Zhao; Huixin Zhou; Jiajia Zhang; Zhe Zhang; Kuanhong Cheng -- Topology simulation method of rotor UAV motion / Author(s): Xinyang Yan -- Experimental investigations on the spray macroscopic and microscopic characteristics in supersonic crossflows / Author(s): Na Cao; Qing Xu; Jiming Ma; Shunhua Yang; Changcai Han; Liang Chen -- Three-dimensional unwrapping algorithm based on reliability sorting following a path with added threshold / Author(s): Xing Wang; Yan Wang; Haitao Wang -- FPGA-based research on high frame rate infrared image real-time acquisition and processing system / Author(s): Suo-chun He; Yang Zhou; Sen Lin; Hong Chang; Xiao-lin Wei -- Design of compression-sensing projection measurement optical system based on digital micromirror device for spectral imaging / Author(s): Yaoyao Hu; Jun Chang; Xuehui Zhao; Yue Zhong -- Improved global optimal association algorithm for ships track / Author(s): Linglin Wang; Yongxin Liu -- Research on phased array radar wave position scanning method and intercept probability / Author(s): Jun Wang; Yuquan Zhang; Changshun Yuan; Shaoming Wei -- Engineering application of ZM5600 high precision optical imaging quality testing environment simulator / Author(s): Shuang Wang; Di Jiang; Lijie Liu -- Stable imaging of space optical camera with high resolution and large field of view / Author(s): Jing Xu; Yun Su; Yue Yu; Song Yang -- A new method of data fusion for MEMS gyroscope / Author(s): Ying Liu; Zhijuan Dong -- The generation of Watt-level supercontinuum covering 2-6.5 μm in an all-fiber structured infrared nonlinear transmission system / Author(s): Bin Yan; Tao Huang; Kai Xia; Peilong Yang; Shixun Dai; Qiuhua Nie -- Evaluation criteria for computational spectral imaging quality / Author(s): Jing Xu; Yun Su; Haibo Zhao; Yanli Liu; Xiaoming Zhong; Xiaojie Yu -- A review of non-maximum suppression algorithms for deep learning target detection / Author(s): Meiling Gong; Dong Wang; Xiaoxia Zhao; Huimin Guo; Donghao Luo; Min Song -- Research on behavior modeling of CGF based on agent / Author(s): Yuping Li; Guilin Zhang -- Optical design of a snapshot hyperspectral imaging spectrometer for facial colour diagnosis in traditional Chinese medicine / Author(s): Xuehui Zhao; Jun Chang; Yaoyao Hu; Shan Du; Dongmei Li -- Research on large-scale plane coordinate measurement technology based on multi-axis synchronous laser interferometry / Author(s): Shuhui Wang Shuanghua Sun; Yanhui Kang; Fumin Zhang; Heyan Wang; Changjuan Lao -- Design of optical-mechanical system of compact space infrared camera / Author(s): Dewei Sun; Guoliang Tian; Shicheng Cui -- Design of LPV sliding mode controller for hypersonic vehicle based on the upper bound of uncertainty / Author(s): Yang Zhao; Yingquan Yao; Xiaohu Fan; Liguoxu; Ning Liu -- The analysis of the style of U.S. military cloud operation with the fifth generation fighter as its core / Author(s): Rui Luo; Baojun Zhao -- Analysis of infrared limb atmospheric transmittance based on atmospheric profile observed by satellite / Author(s): Jingyu Bai; Lu Bai -- Spectral imaging microscopic system with long working distance for burn diagnosis / Author(s): Yvtong Guo; Jun Chang; Yaoyao Hu; Sitong Liu; Yi Huang -- Fiber-laser-pumped green laser for photon-counting bathymetric Lidar on UAV platform / Author(s): Xin Chen; Wei Kong; Tao Chen; Genghua Huang; Rong Shu -- Retrieval of high temporal sea surface current from geostationary satellite images / Author(s): Dingtian Fu; Xiulin Lou; Huaguo Zhang -- Cs adsorption on surface: a first-principles research / Author(s): He Zhao; Xiaoqian Fu; Shanshan Ren; Hengjiao Gao -- Experimental realization of underwater optical communication based on single photon detector / Author(s): Ya-Ping Li; Yun Xiao; Han Peng; Zi-Ao Wan; Gui-Ying Jiang; Jin-Gang Yuan; Si-Jing Chen; Li Fei; Jin-Rong Zhou -- Real-time HD electronic image stabilization system based on heterogeneous computing / Author(s): Wei Liu; Guiyuan Wang; Ruting Ji; Chen Lin; Juan Wei; Xiangfeng Zhao -- Evaluation of compression quality of space-borne interference hyperspectral image / Author(s): Xiaorong Zhang; Siyuan Li; Bingliang Hu; Xuebin Liu; Qiangqiang Yan; Yun Li -- A novel multicore fiber temperature sensor based on Fabry-Perot structure / Author(s): Chuanbiao Zhang; Xiongyan Tang; Min Zhang; Tigang Ning; Li Pei -- Measurement and characterization of ultra-thin gaps in cylindrical assembling parts / Author(s): Guangxi Dong; Lingbao Kong; Sijia Liu -- Theoretical study of beam quality degradation caused by grating dispersion in a spectral beam combining system / Author(s): Yuqiao Xian; Hanbin Wang; Zhijun Yuan; Yifeng Yang; Yang You; Wenjie Wu; Bing He; Jun Zhou -- Photonic generation of microwave hybrid frequency/phase shift keying signals based on a parallel structure / Author(s): Guodong Wang; Shanghong Zhao; Zihang Zhu; Xuan Li; Tao Lin; He Li -- Matrix rearrangement for ISAR echo

completion with undersampled data / Author(s): Shuo Wang; Yusheng Han; Hong Zhu -- Application and effect analysis of high power laser atmospheric transmission / Author(s): Meng-rong Xu; Yuan Sun; Tong-quan Wang; Rui Li -- Detection probability of elliptical Gaussian optical in turbulent atmosphere / Author(s): Ya Guo; Lu Bai -- Design of an optical Toffoli gate for reversible logic operation using silicon photonic integrated circuits / Author(s): Zilong Liu; Xu Yang; Wei Han; Ruitao Yan; Tongtong Yan; Pengyi Wang -- Underwater image restoration based on improved dark channel prior / Author(s): Yingbo Wang; Jie Cao; Mingyuan Tang; Guoliang Li; Qun Hao; Yami Fang -- Analysis of current clamp injection method in conducted immunity tests / Author(s): Jinlong Li; Fujie Qiu; Shiping Ma -- Integrated design of guidance and control system considering body line-of-sight angle and input constraints / Author(s): Maosen Shao; Cheng Xu; Jun Zhou; Bin Zhao -- Using background model and shallow convolutional neural network to detect moving vehicles from satellite videos / Author(s): Renxi Chen; Lu Wang; Mengli Zhang; Xinhui Li; Shengyang Li -- Traveling wave electrode simulation for integrated lithium niobite electro-optic modulators / Author(s): Dandan Wang; Yu Liu; Borui Xu; Wenhui Sun; Zhiyao Jia; Sha Zhu; Ninghua Zhu -- Comparative study on three reconstruction algorithms for a single pixel hyperspectrometer / Author(s): Zhilong Xu; Jianglan Ning; Dan Wu; Yingge Xie; Rui Zhang; Yuanyuan Wang; Wei Zhao; Wenyi Ren -- Constrained reentry trajectory optimization based on improved particle swarm optimization algorithm / Author(s): Tianyun Xu; Jun Zhou; Jianguo Guo; Qing Lu -- Integrated channel-shared optical true time delay line array based on grating-assisted contradirectional couplers for phased array antennas / Author(s): Xudong Gao; Yupeng Zhu; Yuhua Chong; Zhenzhu Xu; Li Mei; Jiming Cao; Fan Zhang; Jianji Dong -- Leakage gas enhancement for infrared dual-band spectral differential imaging / Author(s): Xiu-li Luo; Yan Chen; Jun-hui Ma; Yang Lu; Yi Cai; Ling-xue Wang -- Observation confidence based satellite hyperspectral quantitative fusion scheme / Author(s): Dan Yin; Shihu Zhao; Shuhan Liu; Xia Wang; Changru Liu; RongRong Xue -- Research on method of fast calibration for mobile TT and C equipment / Author(s): Borui Zhang; Shuang Chen; Minzhang Han; Jiang Chu -- Research status of dark current in CMOS image sensor / Author(s): Lei Yan; Feng Shi; Hongchang Cheng; Ye Yang; Bin Ren; Chao Xiao; Xiaohui Zhang -- A lightweight real-time infrared image instance segmentation algorithm based on tiny YOLO / Author(s): Jing Nan; Lei Bo -- High performance waveguide-integrated germanium photodetectors / Author(s): ZhiXiong Xiao; JunBo Feng; ZhiPeng Hu -- Research on correlation of infrared image quality evaluation indexes for target tracking / Author(s): Jinbo Li; Jin Zhang; Xinyue Du; Dandan Lin; Yu Lin -- Analysis of ultraviolet spectral parameters of NO molecules in the shock layer of RAM-CII hypersonic vehicle / Author(s): Tianjiao Zhang; Lu Bai -- Research on key technologies of underwater target detection / Author(s): Jing Shi; Xuan Zhuo; Chao Zhang; Yin Xu Bian; Hua Shen -- Research on the influence of local image denoising algorithm on photon-noise transfer method / Author(s): Hang Xu; Ying-Chun Xu; Li-Jiao He; Wei-Ji He; Chong Liu; Chu Chu -- Elimination of CMOS fixed pattern noise based on PCA wavelet transform / Author(s): Tao Zhang; Xinyang Li; Jianfeng Li; Zhi Xu -- Choosing the quantization bits and quantization method of synthetic aperture radar image / Author(s): Honghan Wu; Jin Feng -- Non-line-of-sight transient imaging via using time-of-flight camera / Author(s): Yue Liu; Guo Dong Li; Yi Fei Han; Yu Lin Cui; Fu Zheng; Xi Hao Chen; Zhi Bin Sun -- Design of 128×32 GM-APD array ROIC with multi-echo detection for single photon 3D LiDAR / Author(s): Wangshuai Xu; Shaowei Zhen; Hailiang Xiong; Bingqing Zhao; Ziyi Liu; Yourun Zhang; Zungui Ke; Bo Zhang -- Calculation and fitting of responsivity and quantum efficiency based on HgCdTe detector at wide band / Author(s): Haiteng Xu; Yan Wen; Qiang Chen; Lidong Bai; Jian Xiong; Peng Xu -- Method for generation and long-distance transmission of millimeter-wave signal based on optical heterodyne technology / Author(s): Lei Hong; Juan Zheng; Juanjuan Gu; Huimin Duan; Qian Zhang -- Frequency analysis of dynamic laser speckle based on intensity fluctuation modulation / Author(s): Chen Ming -- Fault diagnosis method of satellite attitude control system based on stacked autoencoder network / Author(s): Lei Li; Chunyue Li; Xinying Tong; Xinyu Zhang -- 2 μm band pulsed all-PM thulium-doped fiber laser based on the acousto-optic Q-switching / Author(s): Zhenxing He; Ting Yu; Jia Meng; Sijie Wang; Jing Liu; ChuanPeng Qian; Xiangchun Shi; Xisheng Ye -- Research on geometric error correction of pushbroom hyperspectral camera carried by UAV / Author(s): Yihao Wang; Qiang Cong; Shun Yao; Xinyin Jia; Jianyu Chen; Siyuan Li -- A lightweight network for infrared small target detection based on spatial-temporal associated data / Author(s): Yin Xu; Hai Tan -- Study on returned signal spatial distribution and detection ability of laser bathymetric system / Author(s): Song Yang; Shixiang Cao; Jinghao Zhang; Xuling Lin; Jing Xu; Zhenmin Shen; Qian Sun; Zhiqiang Wu; Weidong Shang; Yongchao Zheng -- Simulation analysis of random mode suppression using two-cavity FBG-FP in random Bragg grating array / Author(s): Bing Lv; Wentao Zhang; Wenzhu Huang; Fang Li -- Implementation of post-processing for phase-polarization combined modulation QKD system / Author(s): Fan Yang; Min Hu; Banghong Guo -- Design of near-ultraviolet narrowband filters in

multispectral imaging system / Author(s): Mei-Xuan Li; Mei-jiao Wang; Zhe Liu; Qi Sun -- Hyperspectral monitoring of wheat stripe rust based on PSO-KELM model / Author(s): Xia Jing; Teng Zhang; Weina Duan -- A resource allocation algorithm based on GEO/LEO hierarchical clustering network / Author(s): Chendi Feng; Yufei Shen; Guixing Cao; Qi Zhang; Ying Tao; Qinghua Tian; Dong Chen; Wei Zhang; Cong Li; Zihao Gao; Yiqiang Li -- Light polarization imaging recovery technique in marine fish observations / Author(s): Wei Cao; Jieyu Yuan; Juqing Yang; Zhanchuan Cai; Jialin Tang; Hao Yang; Binghua Su -- Enhanced anchored neighborhood regression for image super resolution based on maximized utilization on dictionary atoms and training sample patches / Author(s): Qinfen Yao -- Stability of transmission-mode GaAs photocathodes in an ultrahigh vacuum system / Author(s): Xin Guo; Feng Shi; Zhifeng Xu; Hui Liu; Hongjin Qiu; Wujun Huang; Liang Liu; Pu Wang; Gangcheng Jiao -- Adaptive method of ship tracking window based on improved mean-shift algorithm / Author(s): Ning Zhang; Zhiyong Peng -- Test and analysis of axial compression stability of composite thin-walled reinforced structures / Author(s): Jiangfan Zhou; Liangyong Chen; Lu Bai; Tairan Wang; Wenjing Guo; Zhanwei Liu -- Study on effect of different temperatures on imaging performance of EBAPS devices / Author(s): Ye Yang; Kun Han; Lei Yan; Kai Qiao; Chao Xiao; Bin Ren; Hongchang Cheng; Gangcheng Jiao; Hang Li -- Research on analysis and suppression method of scene inhomogeneity of spaceborne imaging spectrometer / Author(s): Ziyang Liu; Shaofan Tang; Huan Li; Mingjie Zhang -- Fabrication of a single polarization fiber using pit-in-jacket method / Author(s): Rong Pan; Lu Pang; Jun Liu; Biao Wang -- 3D spectral data cube modulation for snapshot spectral imaging based on linear encoding of intrinsic chromatic aberration / Author(s): Yu Zhao; Yahong Li; Zhiying Liu; Yuan Hu; Yuegang Fu -- Infrared and small target detection based on convolution neural network under the ground-air background / Author(s): Yaohui Wan; Liangyu Chen; Yingchao Liu -- Influence of spatial orientation on depolarization ratio to superellipsoid particles / Author(s): Ying Wang; Dong Liu -- A 0.97- μ m passively Q-switched Tm:YAP laser with a WSe₂ saturable absorber / Author(s): Liang Zhang; Hongda Zhang; Wei Sun; Jingyuan Chi; Lijun Fu; Yanling Guan; Han Wang; Ziqiu Jiang; Xiaodan Wang -- Influence of inner and outer scales on beam wander under strong fluctuation condition / Author(s): Hui Tang; Chengyu Fan -- Dense feature pyramid fusion deep network for building segmentation in remote sensing image / Author(s): Qinglin Tian; Yingjun Zhao; Kai Qin; Yao Li; Xuejiao Chen -- Application of hyperspectral images in digital record of drill cores / Author(s): Xuejiao Chen; Wei Pan; Qinglin Tian; Chuan Zhang -- ZY-3 block adjustment and DSM elevation accuracy evaluation supported by ICESat/GLAS laser points / Author(s): Dian Qv; Xinming Tang; Xiaoyong Zhu; Ao Li -- The effect of oceanic turbulence on optical receiving systems / Author(s): Shu-Wei Sun; Fu-Zeng Kang; Hao Wang -- High-frequency interferometric optical fiber hydrophone based on acoustic resonance isolation / Author(s): Kang Lou; Cheng-yan Peng; Yong-chao Zou; Jun Wang; Yang Lu; Pan Xu; Zheng-liang Hu -- Photonic generation of bandwidth-doubling dual-chirp waveform using a dual-parallel MZM / Author(s): Chongyin Yi; Hongxia He; Bo Yang; Tao Jin; Hao Chi -- Demonstrating a low-frequency-band microwave photonic radar with large bandwidth / Author(s): Anle Wang; Xiong Du; Daikun Zheng; Zongliang Sun; Shiru Du; Pengfei Du; Jin Zhang; Yalan Wang; Dangwei Wang -- Narrow linewidth Yb-Raman fiber amplifier pumped by a random fiber laser / Author(s): Jiaxin Song; Wenchang Lai; Wei Liu; Pengfei Ma; Hu Xiao; Pu Zhou -- Laser frequency sweep linearization by BP neural network for FMCW LiDAR / Author(s): Mijie Yang; Rui Cao; Tonghui Li; Beibei Wu; Ping Jiang; Youxi Lu; Li Jin -- An infrared data cycle extraction method based on CEEMDAN / Author(s): Long Wang; Zheng Liu -- Infrared image recognition method for pedestrian and vehicles based on improved YOLO / Author(s): Zheng Li; Hong-qiang Wang; Hui Xue; Shuo Zhang; Shi-qiang Wang -- Diode-pumped Tm:YAG mode-locking laser based on a MoS₂ saturable absorber / Author(s): Liang Zhang; Hongda Zhang; Yanling Guan; Jingyuan Chi; Lijun Fu; Han Wang; Ziqiu Jiang; Xiaodan Wang; Guoxing Li -- RC hybrid SAR ADC with unary capacitor array for IRFPA / Author(s): Shengyou Zhong; Nan Chen; Jiqing Zhang; Libin Yao -- A two-step ADC architecture for dual band IRFPA / Author(s): Shengyou Zhong; Zhengfen Li; Wenbiao Mao; Jiqing Zhang; Nan Chen; Libin Yao -- The study of the non-linear dynamic response for circular plate subjected underwater impulsive loading / Author(s): Han Liu; Hao Chen; Penshuo Liu; Jingyu Zhang; Tairan Wang -- Research on irradiance calibration in aging tests / Author(s): Fangsheng Lin; Tiecheng Li; Muyao Ji -- Sea water refractive index measurement based on v-shaped cavity / Author(s): Rongna Shi; Lanting Ji; Cheng Zhang; Gang Li; Juan Su; Chi Wu -- High performance refractive index sensor based on multi-Fano resonances in waveguide coupled cross-shaped resonator / Author(s): Zhuoyue Sun; Tonggang Zhao; Shilin Yu -- Comparison of GaoFen-5 hyperspectral and airborne hyperspectral imagery: case study of Gossan identification in Subei area / Author(s): Junchuan Yu; Yichuan Li; Bokun Yan; Rongyuan Liu; Yanni Ma; Fuping Gan; Liang Zhang -- Adaptive two-stage Kalman filter for x-ray pulsar navigation / Author(s): Qiang Xu; Xiaohu Fan; Bangping Ding; Liguang Xu; Ning Liu -- A higher amplitude all solid

state pulse source based on the power synthesis circuit / Author(s): Qingxi Yang; Qiaokun Kang; Xiaoyu Chen; Xing Zhou; Min Zhao; Huanan Wei -- Research on the mission oriented mobile model of aviation network / Author(s): Xueli Zheng; Xinyan Yan; Kexiang Wang; Qing Zhou -- Failure analysis method for laser initiated device based on Michelson interference / Author(s): Aifeng He; Bo Jing; Jianhua Chen; Dongxing Xia; Xiaoyu Zhao; Chunqiang Cao; Guoxing Zhang -- Design and implementation of CMOS-based low-light level night-vision imaging system / Author(s): Fangyu Wang; Ming Dai; Qiang Sun; Li Ai -- Analysis of seismic controlling factors of the Danjiangkou reservoir based on remote sensing and aeromagnetic data / Author(s): Yichuan Li; Junchuan Yu; Xuezhong Yu; Jiaojiao Li; Jingyan Hao; Hongyan Xu; Xue Yang -- Analysis of factors affecting of coupling efficiency of the SPIDER / Author(s): Gongmin Yu; Lei Zhang; Ke Yin; Tianyuan Yang -- Measurement of angular displacement by compact mechanical structure based on laser interference system / Author(s): Jin Zhou; Sen Zhou; Jian Xu; Lei Tao; Xiaoli Wu -- Mid-infrared supercontinuum generation in chalcogenide photonic crystal fibers: a brief review / Author(s): Xinlei Zhou; Xiaoli Zhang; Pengcheng Tao; Shuo Wang; Hao Yang; Wei Peng; Qingxu Yu -- Measurement of rotational speed and eccentric distance of non-cooperative object using vortex beam / Author(s): Qimeng Sha; Song Qiu; Weijie Wang; Tong Liu; Yuan Ren -- Research on the technique of optical fiber bolt axial stress measurement / Author(s): Lu Bai; Weidong Yin; Wei Yin; Jiangfan Zhou; Yue Li -- Image quality evaluation method for compressed satellite remote sensing images with high quantization bits / Author(s): Zhuo Chen; Chuanjie Zhou; Zhongke Yin -- River extraction of color remote sensing image based on HSV and shape detection / Author(s): Jie Li; Kuixiang Feng; Jinyang Yu; Hongyu Gu -- Analysis of cryocooler jitter on three-mirror-anastigmat camera imaging / Author(s): Yong Liu; Qiaoxia Wang; Ning Zhang; Xin Sun; Yanhui Jiang; Mangmang Wang -- An image defogging method using adaptive bi-channel priors / Author(s): Yutong Jiang; Zhe Jiang; Zhonglin Yang; Lixia Guo; Lin Zhu -- Objective location method of tropical cyclone by the deviation angle variance with pre-processing / Author(s): Xiaojie Wang; Licheng Xue; Changjiang Zhang; Leiming Ma; Xiaoqin Lu -- An optical power ratio based approach to direction of arrival estimation of microwave signals with high dynamic frequency range / Author(s): Jingjing Cai; Chao Li; Wei Liu; Ru Zong -- An improved PMDI-TDM structure for remotely interrogated optical fiber hydrophone arrays / Author(s): Chunyan Cao; Zhengliang Hu; Pan Xu; Qiong Yao; Fuyin Wang; Shuidong Xiong -- WF_DiMP: weight-aware dual-modal feature aggregation mechanism for RGB-T tracking / Author(s): Zhaodi Wang; Yan Ding Pingping Wu; Jinbo Zhang -- Design of optical system for short-wave infrared silicon immersion grating imaging spectrometer / Author(s): Shiqi Pan; Zijiang Yang; Qiao Pan; Weimin Shen -- Research on polarization detection technology of oil spill on sea surface / Author(s): Fuli Yang; Weimin Shen -- Impact of time error on two newly proposed carrier assisted differential detection receivers / Author(s): Xueying Zhai; Tonghui Ji; Yunfeng Peng -- Hardware architecture design of data exchange equipment based on CPO / Author(s): Ningfeng Tang; Bing Ye; Feng Hua; Yuqi Gao -- Multi-spectrum integrated and multi-module splicing TDI line array infrared detector technology / Author(s): Lina Xu; Haijie Dong; Yanhua Zhao; Zhanlei Jin -- A method for calculating the energy focus ability of cryogenic optical system / Author(s): Tianyuan Yang; Long Ling; Mailing Xing; Xiaole Yang; Feng Zhou -- Research on spatial image enhancement based on deep learning / Author(s): Yue Ni; Yao-lei Zhang; Xiao-yue Jiang; Lu-jing Chao; Xun Ben -- Realization of target detection in near-infrared remote sensing image / Author(s): Runfeng Zheng; Weixian Qian -- A new data clustering algorithm based on the NEK-NN rule / Author(s): Yang Zhang; Yao Lu; Zhun-ga Liu; Jia-qi Zhang -- Research progress of true color digital night vision technology / Author(s): Bin Ren; Gangcheng Jiao; Ye Li; Zhou Zheng Jr.; Kai Qiao; Ye Yang; Lei Yan; Yuan Yuan -- Classification of phytoplankton digital holograms using transfer learning / Author(s): Xin Qiao; Ming Tang; Zhiyuan Tang; Kaiqi Lang; Xiaoping Wang -- Dynamic generation method of battlefield entities for parallel simulation / Author(s): Yunchao Wu; Ningxin Zhang; Yuping Li; Qingshan Li -- Influence of MCP open area ratio and secondary electron emission layer on noise factor of image intensifier tubes / Author(s): Jinneng Zeng; Tingtao Li; Heng Zhao; Le Chang; Yanni Gong; Zhujun Chu; Haipeng Gao; Shiyu Xu -- SFDR improvement of a phase-modulated analog photonic link / Author(s): Jin Zhang; Jianghai Wo; Anle Wang; Xiong Luo; Shirui Du; Dangwei Wang; Yalan Wang -- Image fusion localization algorithm based on SIFT and 3D model / Author(s): Weidong Huang; Weiguo Zhang; Lan Pan; Yuan Qi; Xiaofeng Xu; Haotian Zheng -- Chaos synchronization in optically pumped quantum-dot spin-VCSELs / Author(s): Yu Huang; Pei Zhou; Nianqiang Li -- Research progress of digital holography in deep-sea in situ detection / Author(s): Xinran Liu; Xinyue Liu; Hailong Zhang; Yuanpeng Fan; Haoran Meng -- Triangular frequency modulated microwave waveform generation with large time-bandwidth product using frequency-scanning laser / Author(s): Xiong Luo; Lan Yu; Jin Zhang; Jianghai Wo; Anle Wang; Shirui Du; Yalan Wang -- Clock synchronization using dichotomy based on polarization-entangled GHZ states / Author(s): Gang

Liu; Min Hu; Banghong Guo -- Off-chip far-field focusing with annular coupling gratings / Author(s): Tingzhao Fu; Zhenmin Du; Minghua Chen; Sigang Yang; Hongwei Chen -- A satellite on-board processing scheme based on photon frequency conversion / Author(s): Zhaoyu Wang; Xishuo Wang; Qi Zhang; Xiangjun Xin; Ran Gao; Ying Tao; Xia Sheng; Qinghua Tian; Feng Tian; Yongjun Wang; Wei Zhang; Huan Chang; Dong Chen; Jinxi Qian -- Research on microwave photonics mixer technology of HTS communication satellite / Author(s): Xiangke Deng; Ying Zhao; Xurong Qin; Huan Wu; Qinggui Tan; Jinxin Hui -- High-performance narrow-linewidth nanosecond pulsed fiber laser in 2 μm band / Author(s): Wei Yan; Songsong Sun; Lisha Wang; Minzhe Liu; Yong Wang -- Recognition of oil types based on fluorescence-lifetime decay curve and support vector machine / Author(s): Min Jing; Manlong Chen; Min Ding; Qi Zhang; Fan Yang; Zhenyuan Ma -- Influence of salt ions on the refractive index of seawater solution under different temperature / Author(s): Shuqing Yang; Lanting Ji; Yujie Fu; Wei Wei; Juan Su; Chi Wu -- Picosecond laser system with fiber-solid hybrid amplification / Author(s): Minzhe Liu; Kun Zhao; Menglin Liu; Wei Yan; Yong Wang -- High precision refractometer for salinity measurements based on aspheric surface / Author(s): Wei Wei; Xia Cen; Xiaoxue Bai; Chi Wu -- Underwater image enhancement by method combined the tail-gating and active polarization imaging technology / Author(s): Xianjiang Zeng; Zhong Li; Hui Yu; Weichao Du; Jiefei Han -- Single photon detection for dynamic targets / Author(s): Hui Yu; Weichao Du; Xianjiang Zeng; Chenshen Wang; Zhi-jie Zhang -- Analysis on coordinated anti-jamming of anti-missile early warning radar system based on intelligent optimization algorithm / Author(s): Hai-lin Jiang -- Local color transfer based on optimal transmission theory / Author(s): Jiaojiao Wang; Zhenlong Du -- High performance waveguide-coupled germanium p-i-n photodetector on doped silicon / Author(s): Jun Wang; Naidi Cui; Junbo Feng; Heng Zhao; Yang Hu; Guowei Cao; Jin Guo -- Laser beam imaging technique for atmospheric detection / Author(s): Z. M. Tao; X. M. Ma; H. H. Shan; H. Zhang; J. J. Han; S. H. Wang; D. Liu; Z. Z. Wang; Y. J. Wang -- A reconfigurable Si₃N₄ on-chip filter for programmable photonic processor / Author(s): Dong Liang; Qinggui Tan; Xiaojun Li; Li Li; Yangjing Wang; Yong Liu -- Research on traverse extraction algorithm based on point cloud distribution characteristics of overhead transmission lines / Author(s): Shaohua Wu; Jian Zhao; Yuran Chen; Di Wang; Wei Hu; Xin Long -- Application exploration of optical remote sensing technology of unmanned aerial vehicle in measuring bulk trade at sea / Author(s): Xianlei Chen; Ze'nan Wu; Haolei Shi; Huadong Hao; Junxue Chen; Zhenqian Shen -- Effect of coherent Doppler lidar pulse shape on the performance of maximum likelihood discrete spectral peak estimation / Author(s): Xuyang Jing; Xianglong Hao; Ran Song; Chi Wu -- Comparison of thermo-optic phase-shifters implemented on CUMEC silicon photonics platform / Author(s): Shengping Liu; Ye Tian; Youxi Lu; Junbo Feng -- Research on acceptance technology of transmission line infrastructure construction based on laser LiDAR technology / Author(s): Di Wang; Jian Zhao; Xin Long; Yuran Chen; Shaohua Wu; Wei Hu -- Improving the detectivity of MoS₂ photodetector based on metal-semiconductor interface modification / Author(s): Xiaotian Zhu; Fengyuan Lin; Zhihong Zhang; Xue Chen; Hao Huang; Zhipeng Wei -- Study on the applicable distance scope of GN model to open cable / Author(s): Jiang Lin; Jianping Li; Yanpu Wang -- Design of random vibration test condition for small satellite optical camera / Author(s): Sizhou Dong; Zhaoguang Bai; Zhijia Liu; Jing Chang; Yongqiang Hu; Yuchen Bai -- Research on autonomous decision method of multi-aircraft cooperative mid-range confrontation / Author(s): Zheng Gong; Gang Gao; Jingang He -- Moving target removal for lidar SLAM / Author(s): Xuanliang Zhang; Wenguang Wang -- Reconstruction method for synthetic aperture Ladar / Author(s): Meng Ding; Xu Zhang; Changde Hu; Huafang Geng; Jingran Li; Ziyang Li; Rongzhen Zhu; Rong Li -- Laser Doppler velocimetry signal processing based on stochastic resonance / Author(s): Jingjing Sun; Lei Zhang; Guojie Tu; Shenglai Zhen; Zhigang Cao; Benli Yu -- Optical system alignment technology based on high-precision surface error reduction / Author(s): Chunyu Wang; Yang Huang; Cong Wang; Jinchuan Niu; Yinglong Zhao; Shengjie Zhang -- Effect of the periodic size of nanoarray structure on electrical coupling properties of the living cells / Author(s): Xuayan Han; Litong Dong; Liang Cao; Wenxiao Zhang; Di Wang; Zuobin Wang -- The method of improving the measurement accuracy of infrared laser ranging system / Author(s): Xiaoyu Peng; Jinqing Yang; Chunhong Wu; Weixian Qian -- A fiber-to-waveguide edge coupler assisted by silicon-nitride waveguide with large fabrication tolerance / Author(s): Min Wang; Xueling Quan; Yaqian Li; Min Liu; Xiulan Cheng -- The design and simulation of a flexible support structure reflector mirror forIRST system / Author(s): Yuan Qi Sr.; Weidong Huang; Huilin Wang; Qinqing Xu; Longyang Kong; Bing Yang -- Quintuple Fano-like MIM plasmonics structure based on coupling resonators for refractive index sensing / Author(s): Guangyu Xin; Tonggang Zhao; Shilin Yu -- Measurement-device-independent quantum key distribution based on GHZ-entangled-state / Author(s): Ximing Hua; Min Hu; Banghong Guo -- Simulation and experiment of relativistic backward wave oscillator with non-uniform rectangular slow-wave structure / Author(s): Yujun Yan; Yang Wu; Zigang Zhou; Zhenghong Li -- Multi-

scale information quantification framework in network information system environment / Author(s): Yunhui Wang; Xinyang Yan; Kexiang Wang -- The introduction to ICCD or ICMOS performance evaluation method / Author(s): Shi-long Li; Feng Shi; Xia Wang -- Analysis of the influence of filters on multi-detector hybrid stitching space camera / Author(s): Xin Sun; Yong-jian Wu; Yong Liu; Tian-jin Tang; Yong-li Hu Jin-qiang Wang -- Research on application of Scheimpflug condition in rail profile measurement / Author(s): Le Wang; Qian Zhou; Yue Fang; Shengchun Wang; Hao Wang; Shengwei Ren; Guoqing Li; Peng Dai -- Study on photoelastic imaging technology of ultrasonic guided wave in rails for high speed railway / Author(s): Zhenzhong Fan; Lu Bai -- Analysis about optical characteristics simulation of stationary target based on surface emissivity design / Author(s): Juan Lin; Chong Zheng II; Kaifeng Wu; Jing Ma IV; Xiaoli Fan -- Multi-period dynamic evaluation of soil loss in loess area / Author(s): Yanni Ma; Yichuan Li; Xian Zhang; Junchuan Yu; Rongyuan Liu; Bokun Yan; Fuping Gan; Xinfeng Dong; Na Li; Yi Guo; Juan Bai -- Super-solution technology for low light level imaging in the field of remote sensing / Author(s): Chao Zhang; Bin Bai; Chuanjie Zhou; Shaoning Wei -- Research on multi-target detection method based on deep learning / Author(s): Kang Dai; Xiubao Sui; Liping Wang; Qiuha Wu; Qian Chen; Guohua Gu -- A photonic beamformer based on integrated optical delay line / Author(s): Jingxian Liu; Minhui Long; Xin Zhong; Tao Zhou; Pengfei Qu; Yongchuan Xiao; Zhiyu Chen; Jianxiao Leng; Zhenhai Wu -- Classical-quantum signals simultaneous transmission sharing a same fiber based on mode division multiplexing / Author(s): Cong Chen; Min Hu; Banghong Guo -- BER performance of the polar-coded underwater wireless optical communication / Author(s): Chen-chen Wu; Ning He; Hong-yan Jiang; Le-kun Deng -- Design and analysis of bending insensitive multi-core fiber / Author(s): Yuan Zhang; Wen-Fan Jiang; Ming-Yang Chen -- Inversion of ocean color constituents in the sea area around Dajin island based on CASI aerial hyperspectral data / Author(s): Shuchang Ma; Xiaoyu Zhang; Guorong Huang; Yixuan Xiong; Yanfang Lu; Yachao Han; Yongheng Shang -- Silicon photonic integrated circuits and its application in data center / Author(s): Xiaohan Shen; Ben Chen; Yu Zhu; Weiming Shi -- Mapping of urban typical land covers using GaoFen-5 data: linear spectral unmixing based on a novel spectral analysis technique / Author(s): Hui Huang; Yi Jing -- High sensitivity strain sensor based on curved LPG fabricated in eccentric hollow-core fiber / Author(s): Yunshan Zhang; Yulin Zhang; Zhaokui Wang; Li Fan; Qingqi Zhuo -- A single channel frequency measurement scheme based on photonic compressed sampling / Author(s): Na Gao; Xianfeng Tang; Xiaoguang Zhang; Lixia Xi; Wenbo Zhang; Yifang Sun -- Detection method of tubular target leakage based on deep learning / Author(s): Donghao Luo; Dong Wang; Huimin Guo; Xiaoxia Zhao; Meiling Gong; Lin Ye -- Design and calculation to reduce the polarization sensitivity of COCTS on GEO satellite / Author(s): Tingting Sun; Zhicheng Shi; Xiliang Tong; Gang Wang; Shoucai Zhang; Pengmei Xu -- Weak reflectivity measurement of FBGs by method of grating scale / Author(s): Qiushi Qin; Meng Wang; Binyu Rao; Zefeng Wang -- A research on non-uniformity index of star sensor based on CMOS / Author(s): Kai Ma; Zhan Shi; Helong Wang; Jie Zou; Wenjing Wang -- On-orbit MTF test method of GEO optical satellite based on random phase sampling of critical linear targets / Author(s): Zhenyu Zhu; Gun Gao; Qion Wu; Zeyang Dou -- Technical research on crosstalk-free polarization control devices used for blue-green light band / Author(s): Zejun Zhang; Songjie Liu; Weichao Lyu; Chao Zhang; Xingqi Yang; Jing Xu -- Atmospheric correction of GF-5 AHSI data and accuracy evaluation / Author(s): Siqi Feng; Tao He; Chao Lin; Jie Feng -- The research on the effect of spectral distributions on specular gloss measurement / Author(s): Muyao Ji; Tiecheng Li; Fangsheng Lin -- On-line temperature measurement for OC-FBG in fiber oscillator / Author(s): Pengrui Wang; Qihao Hu; Xin Tian; Meng Wang; Zefeng Wang -- Identification of jellyfish in marine environment based on polarization / Author(s): Xinxin Shi; Jun Chang; Xiaofang Zhang; Dongmei Li; Jiajing Cao -- Lidar observation and analysis of an aerosol pollution incident in Hefei / Author(s): Hao Yang; Chenbo Xie; Zhiyuan Fang; Yuanjian Yang; Ye Cao -- Integrated design of Lidar detection and acquisition system based on FPGA / Author(s): Ye Cao; Wang Ying; Hao Yang; Zhiyuan Fang; Liangliang Cheng; Chenbo Xie; Kunming Xing -- Design and analysis high extinction ratio monolithic polarization-integrated super pixel long wavelength infrared detectors / Author(s): Jian Zhou; Yi Zhou; Fangfang Wang; Zhicheng Xu; Zhizhong Bai; Ying Shi; Zhaoming Liang; Lulu Zheng; Jianxin Chen -- Measurement-device-independent quantum key distribution based on W state / Author(s): Min Hu; Banghon Guo -- Design of 2.3 μm low threshold single mode GaSb DBR lasers based on high order slotted surface grating / Author(s): Shuangzhi Wei; Wei Sun; Qiaoyin Lu; Weihua Guo -- Research on application of 200 μm outer diameter optical fiber in electric telecommunication network construction / Author(s): Guangzhe Wu; Weihua Li; Ruichun Wang; Yuan Liu; Li Deng; He Lu; Fuwen Bai; Xinyan Zhou; Jihong Zhu; Jun Wu; Chao Huang; Guohua Hu -- Design and implementation of compensated phase for digital holography / Author(s): Fang Feng; Ai-ling Tian; Bing-cai Liu; Hongjun Wang; Rui Niu; Xiaotong Qian -- A high-efficiency long-wavelength surface emitting laser / Author(s):

Zhi Lin; Yingquan Ao -- Design of CMOS HD imaging system with adaptive dynamic exposure control based on FPGA / Author(s): Yuhao Ji; Yunsheng Qian; Linhui Chi; Yizheng Lang -- Study on airborne daytime star sensor based on volume grating / Author(s): Xingyu Chu; Weimin Shen -- Silicon nitride integrated two-dimensional wavelength tuning optical phased array / Author(s): Zhenmin Du; Tingzhao Fu; Minghua Chen; Sigang Yang; Hongwei Chen -- A 3D geometric dimensional measurement method of step height / Author(s): Sen Zhou; Jin Zhou; Jian Xu; Lei Tao -- Magnetorheological fluid circulation system structure under the condition of small flow rate in magnetorheological polishing / Author(s): Caixue Tang; Shenglin Wen; Yuanhang Zhang; Hao Yan -- Magnetorheological removal function spurious fringes elimination method based on characteristic spectrum band-stop filter / Author(s): Caixue Tang; Yan Deng; Shenglin Wen; Yuanhang Zhang -- Research on generation method milling aspheric surface / Author(s): Zhuocheng Dai; Peiji Guo; Chen Xi -- Design of chromatic confocal quantitative inverse dispersive objective lens / Author(s): Jie Yang; Tao Ma; Tingting Huang -- X-ray communication experiment using photocathode x-ray tube / Author(s): Yong-an Liu; Hao Xuan; Li-zhi Sheng; Peng-fei Qiang; Tong Su; Jin-shou Tian; Bao-sheng Zhao -- Characteristic research of homemade FBG-based thulium fiber laser / Author(s): Feng Hu; Ting Yu; Kaiqi Zhao; Hao yang Pi; Chuanpeng Qian; Jing Liu; Xiangchun Shi; Xi sheng Ye -- Design and fabrication of silicon immersion grating / Author(s): Zijiang Yang; Shiqi Pan; Qiao Pan; Quan Liu; Shaolong Wu; Weimin Shen -- The calibration of UV solar simulator used for in vivo determination of the sun protection factor (SPF) / Author(s): Tiecheng Li; Fangsheng Lin; Muyao Ji; Biyong Huang; Weihai Cheng; Leibing Shi; Ming Xia; Liping Wang -- Adaptive high ratio zoom system engineering implementation / Author(s): Ronggang Zhu; Mingsuo Li; Hua Liu; Liwei Zhou -- High resolution single-photon imaging for recognition of camouflaged target / Author(s): Weichao Du; Hui Yu; Xianjiang Zeng; Chensheng Wang -- Design of portable target simulation system with adjustable radiation band / Author(s): Guofeng Zheng; Fei Xie; Shiyong Guo; Peng Zhang -- High-precision piston detection method for segments based on a single convolutional neural network / Author(s): Hao Wang; Weirui Zhao; Lu Zhang -- Design and application of longwave infrared dynamic dual target simulation system / Author(s): Guofeng Zheng; Fei Xie; Tao Qi; Peng Zhang -- Research on image fusion algorithm based on K-means clustering and NSCT / Author(s): Xinsai Wang Weiqiang Feng; Xiaoer Feng -- A small object detection method based on CNN in serial multispectral images / Author(s): Yu Jia; Bo Lei; Chensheng Wang; Weichao Du -- Review of the overall parameter analysis of detection system of STSS / Author(s): Jia Zhang; Ying Lu; Hu Huang; Jinlei Ren; Jijun Liu; Bin Hu; Jun Li -- Study on the stable output method of Mach-Zehnder frequency domain depolarization system / Author(s): Guo-chao Li; Xing-bang Zhu; Feng Fei -- An improved online multiple object tracking algorithm based on KFHT motion compensation model in the aerial videos / Author(s): Pingping Wu; Hong Xu; Yan Ding; Zhaodi Wang; Jinbo Zhang -- Frequency response calibration technology of optical eye diagram analyzer based on femtosecond laser / Author(s): Xing-bang Zhu; Guo-chao Li; Chao Liu; Zhong Han; Feng Fei; Chao Li -- Hyperspectral imaging method for noninvasive quantitative detection of vulvar lichen sclerosis: a pilot study / Author(s): YingJie Qu; Sui Feng; Ronald Xu -- Tunable micro-integrated narrow linewidth extended cavity diode laser at 780nm / Author(s): Zhiqiang Qi; Haocheng Sun; Wenliang Hu; Chensheng Wang -- N-hour repeating equatorial orbit: a new method for remote sensing satellites / Author(s): Yuchen Bai; Huan Yin; Zhaoguang Bai; Sizhou Dong; Han Gao -- An angle measurement algorithm based on ER-FT feature for high-voltage switch / Author(s): Xuanfang He; Yan Ding; Jiayuan Shan; Jiaxin Li; Chen Huang; Qizhang Lin -- Investigation on irradiated characteristics of Tm-doped gain fiber / Author(s): Yexi Qu; Jing Liu; Zhenxing He; Ting Yu; Kedi Xie; Tieqiang Song; Mengmeng Tao; Minbo Liu; Chunlei Yu; Xisheng Ye -- Research on key technology of underwater acoustic communication based on Sagnac fiber optic hydrophone / Author(s): Liangjun Yan; Keqin Huang; Yutao Chen; Yang Yang; Xiaotong Zhu; Xuze Chen; Zhangqi Song -- Experimental study of temperature characteristics in a low-light-level CMOS system / Author(s): Yun Wang; Qiang Mei; Hao Cai; Dong Wang; Yongli Hu; Zhihao Zhu -- A 64-element fiber laser hydrophone flank array / Author(s): Hongcan Gu; Junbin Huang; Gaofei Yao; Jing Wu; Bo Tang; Xin Mao -- A logarithmic response burst IRFPA ROIC with pixel level integration of memory / Author(s): Jiqing Zhang; Wenbiao Mao; Shengyou Zhong; Zhihao Li; Nan Chen; Libin Yao -- Research on spatial domain image fusion algorithm based on energy segmentation / Author(s): Xinsai Wang; Mingming Li; Xiaoer Feng -- A high speed high stable data receiving method for digital infrared FPAs / Author(s): Jiqing Zhang; Shaolin Chen; Wenbiao Mao; Nan Chen; Libin Yao -- Maximum entropy method for imaging through turbid medium / Author(s): Mingwei Huang; Zijing Zhang; Yuan Zhao -- Static model of flexible unloading device for space remote sensor / Author(s): Jun Ma; Yunsong Nie -- The ground surveillance performance of equatorial remote sensing constellations / Author(s): Yuchen Bai; Huan Yin; Zhaoguang Bai; Sizhou Dong; Han Gao -- Analysing of key technology and

application of N×200Gbit/s for long distance transmission / Author(s): Jianhua Xi; Junshi Gao -- Study on alignment technology of off-axis four-mirror optical systems based on vector aberration theory / Author(s): Che Liu; Lei Zhang; Xinglong Li; Mingqian Shi; Peng Liu; Zhen Xu -- Design of off-axis four-mirror optical system based on vector aberration theory / Author(s): Che Liu; Lei Zhang; Peng Liu; Xinglong Li; Zhen Xu; Jianguo Tian -- Design, adjustment and verification for the laser beam expanding system of ZY-3(03) space-borne laser altimeter / Author(s): Lan Zhan; Chun-hui Wang; Chen-yang Zhang; Guo-jun Du; Gui-li Cao; Pei-bei Meng -- Special active fiber for high power lasers / Author(s): Yue Meng; Wei Jun Tong; Wei Zheng; Xu Dong Shi; Li Zhong; Chen Yang; Xin Ben Zhang; Song Wang -- The environment phase noise in interferometric / Author(s): Yishi Liu; Jingjing Su; Xingfan Chen -- Analysis of the distribution characteristics of the states of polarization based on improved Delaunay triangulation algorithm / Author(s): Guofa Wang; Kang Zou; Kan Chen; Shuangliang Che; Xiaowu Shu -- The influence of the frequency modulation induced laser amplitude modulation on the calibration of the 3×3 coupler parameters and its suppression / Author(s): Mingyang Wang; Jianfei Wang; Yichi Zhang; Yan Liang; Xin Zhou; Zhou Meng -- Stray light test facility for multispectral spaced-based optical system with large field of view / Author(s): Qice Zhao; Xiping Xu; Yang Qiao; Yue Pan; Yi Lu; Liang Xu; Feng Liu -- Application and analysis of mirror discrete support technology in optical remote sensor / Author(s): Yong-jian Wu; Xin Sun; Shi-cheng Cui; Lu-ping Yang; Yong Liu -- Method of retrieving the hollow scale of target based on dynamic changes of radiation energy / Author(s): Youkun Zhang; Hongxia Mao; Xingdong Bao; Jie Wu; Zheng Liu -- Seasonal change analysis of multispectral BRDF for different surface types / Author(s): Yang Zheng; Weizhen Hou; Zhengqiang Li; Wenbin Xu; Xingrun Liu; Leiku Yang -- Anodic fluoride passivation of InAs/GaSb superlattice for mid-/short-wavelength dual-color infrared detector / Author(s): Lixue Zhang; Guansheng Yao; Xubo Zhu; Xiancun Cao; Yanqiu Lv -- An uncooled infrared and ICMOS image fusion system based on FPGA / Author(s): Yizheng Lang; Yunsheng Qian; Feng Shi; Hongchang Cheng; Xiangyu Kong -- Projection drift alignment by acquisition time division for x-ray nanotomography / Author(s): Xiaoqi Xi; Yu Han; Junzheng Zhang; Lei Li; Siyu Tan; Zhaole Yin; Zhaoying Sun; Bin Yan -- Minitype optical fiber cantilever acceleration sensor / Author(s): Xin Zhou; Mo Chen; Jianfei Wang; Yan Liang; Mingyang Wang; Zhou Meng -- A multi-objective anomaly abnormal detection method based on the infrared and optical image fusion / Author(s): Ning Chu; Lianrui Mu; Zhiyan Li; Jiarui Ling; Yao Zhong -- Research progress of SiGe heterojunction photodetectors / Author(s): Weiying Hu; Xiumin Xie; Qiang Xu; Wei Zhang; Haizhi Song -- Subsurface material recognition based on infrared time variation characteristics / Author(s): Dapeng Chen; Jian Zhou; Xiaoli Fan; Yazhou Zhang -- Discussion on the technology and application of next generation WDM system / Author(s): Yingchun Wang; Junshi Gao; Yong Li -- Moving point target detection based on temporal analysis of pixels in very low SNR / Author(s): Wenlong Niu; Mingrui Fan; Xiaoqing Han; Hao Deng; Yingyi Guo; Wei Zheng; Zhen Yang; Xiaodong Peng -- Design of silicon nitride arrayed waveguide grating at 2μm wavelength band / Author(s): Di Li; Yingjie Liu; Ke Xu -- Research on test method of key technical index of airborne remote laser ranging system / Author(s): Jie Fu; Guofeng Zheng; Baolin Du; Shiyong Guo; Peng Zhang -- Design of integrated performance testing equipment for ranging/irradiator / Author(s): Jie Fu; Guofeng Zheng; Baolin Du; Shiyong Guo; Peng Zhang -- Low-lever light detection scheme based on the novel gate-controlled lateral thyristor / Author(s): Keyang Sun; Liyang Pan -- Binomial coefficient compared to standard normal distribution effect of fluctuations / Author(s): MingHan Zhu; Jeffrey Zheng -- Design of visible light target with adjustable multi-dimensional parameters / Author(s): Shaofei Wang; Shiyong Guo; Peng Zhang -- Mobile laser ranging cooperative target / Author(s): Shaofei Wang; Shiyong Guo; Peng Zhang -- Laboratory performance test of downhole fiber laser geophone / Author(s): Zhihui Sun; Yuanyuan Yang; Xucheng Zhang; Shujuan Li; Xiaohui Liu; Jingsheng Lv; Jiasheng Ni; Chang Wang; Zhong Zhao; Bin Wang; Gangding Peng -- A novel dual guided photonic crystal fiber for OAM mode transmission / Author(s): Na Yang; Min Chang; Qiaobo Wang; Xuejing Liu; Lianzhen Zhang; Jun Zhou; Rongfu Zhang; Xuedian Zhang -- All optical fiber mode selective coupler based on non-weak guided fiber / Author(s): Lianzhen Zhang; Xuejing Liu; Qiaobo Wang; Na Yang; Jun Zhou; Min Chang; Rongfu Zhang; Xuedian Zhang

ISBN: 1-5106-4362-1

Materia: Optical detectors- Congresses

Autores: Su, Junhong, editor

Enlace a formato físico adicional: 1-5106-4361-3

Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es