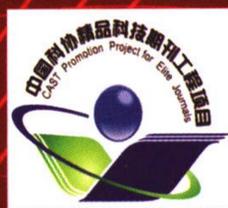




Ei数据库收录期刊
 ESCI数据库收录期刊
 Elsevier Scopus 数据库收录期刊
 中国精品科技期刊
 中国精品科技期刊顶尖学术论文
 (F5000) 项目来源期刊
 中文核心期刊



QK2055206

ISSN 1000-1807
 CN 22-1400/O4
 CODEN ZGHUC8

中国光学

Chinese Optics

6

2020年12月

第13卷 总第73期

中国科学院长春光学精密机械与物理研究所

主办

中国光学学会



期刊网址



中国光学(双月刊)

ZHONGGUO GUANGXUE

第13卷 第6期 2020年12月

目次(卷终)

· 综述 ·

微小卫星激光通信系统发展现状与趋势……高世杰*,吴佳彬,刘永凯,马爽,牛艳君,杨会生(1171)

激光散斑目标探测技术综述……郜魏柯,杜小平,王阳*,杨步一(1182)

地基大口径拼接镜面主动控制技术综述

……范文强,王志臣,陈宝刚,李洪文,陈涛,安其昌*,范磊(1194)

超快激光选区焊接技术研究进展……张国栋,程光华*,张伟(1209)

二维光栅位移测量技术综述

……尹云飞,刘兆武,吉日嘎兰图,于宏柱,王伟,李晓天,鲍赫,李文昊*,郝群*(1224)

· 原创文章 ·

激光诱导击穿光谱对金属、陶瓷文物成分的表面及深度分布分析

……李晨毓,曲亮*,高飞,段鸿莺,关明,刘瀚文,邹非池(1239)

638 nm 光栅外腔窄线宽半导体激光器……刘野*,刘宇,肖辉东,李洪玲,曲大鹏,郑权(1249)

电沉积掺铝氧化锌纳米柱的光学性质裁剪……汤洋*(1257)

强爆炸光辐射作用下材料的能量耦合特性

……高银军,高丽红,张相华,马壮*,刘峰,彭国良,田宙(1267)

卷帘快门式 CMOS 探测器的星图像移补偿……张博研*,孔德柱,刘金国,武星星,董得义(1276)

面向机器视觉检测的缸体横孔照明..... 姜 涛,张桂林*,高俊鹏(1285)

Gabor 滤波融合卷积神经网络的路面裂缝检测方法

..... 陈晓冬,艾大航*,张佳琛,蔡怀宇,崔克让(1293)

面向光学遥感目标的全局上下文检测模型设计..... 张瑞琰,姜秀杰*,安军社,崔天舒(1302)

光电精跟踪系统的改进差分进化算法研究...董全睿,陈 涛*,高世杰,刘永凯,张建强,吴 昊(1314)

Offner 分光成像系统的球面自准直法快速装调 杨拓拓,陈新华*,赵知诚,朱嘉诚,沈为民(1324)

光场成像目标测距技术..... 张石磊,崔 宇,邢慕增,闫斌斌*(1332)

高精度大视场多星模拟器设计与验证.....许洪刚,韩 冰*,李曼丽,马洪涛,张鹏宇,鞠德晗(1343)

Φ 500 mm 超轻量化 SiC 反射镜结构优化设计 赵 宇,苏成志*,赵贵军,杨 光(1352)

局域表面等离激元共振增强硅蓝光波段吸收特性研究

王浩冰,陶 金,吕金光,孟德佳,李 阳,赵永周,王家先,张 军,秦余欣,王惟彪*,梁静秋*(1362)

电场中 Sm 原子的第一电离阈移动.....许照锦,张小虎,张文纳,黄朝宏,沈 礼*(1385)

土壤多组分 PAHs 激光诱导二维荧光光谱定量方法研究

..... 黄 尧,赵南京*,孟德硕,左兆陆,程 钊,陈宇男,陈晓伟,谷艳红(1401)

Chinese Optics

(Bimonthly)

Vol. 13 No. 6 Dec. 2020

Contents (Final)

Reviews

Development status and trend of micro-satellite laser communication systems

.....GAO Shi-Jie*, WU Jia-Bin, LIU Yong-Kai, MA Shuang, NIU Yan-Jun, YANG Hui-sheng (1171)

Review of laser speckle target detection technology

..... GAO Wei-ke, DU Xiao-ping, WANG Yang*, YANG Bu-yi (1182)

Review of the active control technology of large aperture ground telescopes with segmented mirrors

FAN Wen-qiang, WANG Zhi-chen, CHEN Bao-gang, LI Hong-wen, CHEN Tao, AN Qi-chang*, FAN Lei (1194)

Progress in ultrafast laser space-selective welding

..... ZHANG Guo-dong, CHENG Guang-hua*, ZHANG Wei (1209)

Overview of 2D grating displacement measurement technology

..... YIN Yun-Fei, LIU Zhao-Wu,

JIRIGALANTU, YU Hong-Zhu, WANG Wei, LI Xiao-Tian, BAO He, LI Wen-Hao*, HAO Qun* (1224)

Original Article

Composition analysis of the surface and depth distribution of metal and ceramic cultural relics by laser-induced breakdown spectroscopy

... LI Chen-yu, QU Liang*, GAO Fei, DUAN Hong-ying, GUAN Ming, LIU Han-wen, ZOU Fei-chi (1239)

638 nm narrow linewidth diode laser with a grating external cavity

.....LIU Ye*, LIU Yu, XIAO Hui-dong, LI Hong-ling, QU Da-peng, ZHENG Quan (1249)

Tailoring the optical properties of Al-doped ZnO Nanorods by electrodeposition

.....TANG Yang* (1257)

Energy coupling characteristic of materials under thermal radiation produced by strong explosion

..... GAO Yin-jun,

GAO Li-hong, ZHANG Xiang-hua, MA Zhuang*, LIU Feng, PENG Guo-liang, TIAN Zhou (1267)

Compensation of star image motion for a CMOS image sensor with a rolling shutter

..... ZHANG Bo-yan*, KONG De-zhu, LIU Jin-guo, WU Xing-xing, DONG De-yi (1276)

- Illumination of a cylinder block transverse hole for machine vision inspection
 *JIANG Tao, ZHANG Gui-lin^{*}, GAO Jun-peng* (1285)
- Gabor filter fusion network for pavement crack detection
 *CHEN Xiao-Dong, AI Da-Hang^{*}, ZHANG Jia-Chen, CAI Huai-Yu, CUI Ke-Rang* (1293)
- Design of global-contextual detection model for optical remote sensing targets
 *ZHANG Rui-yan, JIANG Xiu-jie^{*}, AN Jun-she, CUI Tian-shu* (1302)
- Identification of opto-electronic fine tracking systems based on an improved differential evolution algorithm
 *DONG Quan-ru, CHEN Tao^{*}, GAO Shi-jie, LIU Yong-kai, ZHANG Jian-qiang, WU Hao* (1314)
- Fast alignment of an offner imaging spectrometer using a spherical autostigmatic method
 *YANG Tuo-tuo, CHEN Xin-hua^{*}, ZHAO Zhi-cheng, ZHU Jia-cheng, SHEN Wei-min* (1324)
- Light field imaging target ranging technology
 *ZHANG Shi-lei, CUI Yu, XING Mu-zeng, YAN Bin-bin^{*}* (1332)
- Design and verification of high-precision multi-star simulator with a wide field of view
 *XU Hong-gang, HAN Bing^{*}, LI Man-li, MA Hong-tao, ZHANG Peng-yu, JU De-han* (1343)
- Structural optimization for the design of an ultra-lightweight SiC mirror with a diameter of 500 mm
 *ZHAO Yu, SU Cheng-zhi^{*}, ZHAO Gui-jun, YANG Guang* (1352)
- Absorption enhancement of silicon via localized surface plasmons resonance in blue band
 *WANG Hao-bing, TAO Jin, LV Jin-guang, MENG De-jia, LI Yang,*
ZHAO Yong-zhou, WANG Jia-xian, ZHANG Jun, QIN Yu-xin, WANG Wei-biao^{}, LIANG Jing-qiu^{*}* (1362)
- Shift of the first ionization threshold of Sm atom in electric field
 *XU Zhao-jin, ZHANG Xiao-hu, ZHANG Wen-na, HUANG Chao-hong, SHEN Li^{*}* (1385)
- Study on quantitative methods of laser-induced two-dimensional fluorescence spectroscopy of
 multicomponent PAHs in soils
 *HUANG Yao, ZHAO Nan-jing^{*},*
MENG De-shuo, ZUO Zhao-lu, CHENG Zhao, CHEN Yu-nan, CHEN Xiao-wei, GU Yan-hong (1401)

《中国光学》被国内数据库收录:

中国科技论文与引文数据库
China Scientific and Technical Papers and Citations Database (CSTPCD)

中国科学引文数据库
Chinese Science Citation Database (CSCD)

中国期刊全文数据库
China Journal Full-text Database (CJFD)

万方数字化期刊全文数据库
Wanfang Digital Journal Full-text Database

中国科技期刊数据库
China Science and Technology Journal Database (CSTJ)

中国知网
China National Knowledge Infrastructure (CNKI)

《中国光学》被国外数据库收录:

美国工程索引 (Ei) 数据库
Engineering Index database

美国ESCI数据库
Emerging Sources Citation Index (ESCI) Database

荷兰Elsevier Scopus数据库
Elsevier Scopus Database

美国《乌利希国际期刊指南》
Ulrich's International Periodicals Directory (Ulrich IPD)

美国《化学文摘》
Chemical Abstract (CA)

俄罗斯《文摘杂志》
Abstract Journal (AJ)

波兰《哥白尼索引》
Index Copernicus (IC)

中国光学

ZHONGGUO GUANGXUE

(双月刊 2008年创刊)

第13卷 第6期 2020年12月

Chinese Optics

(Bimonthly, Started in 2008)

Vol.13 No.6 Dec. 2020

主管单位: 中国科学院
主办单位: 中国科学院长春光学
精密机械与物理研究所
中国光学学会

协办单位: 激光与物质相互作用国家重点实验室

主 编: 王家骥
出 版: 中国科技出版传媒股份有限公司
编 辑: 《中国光学》编辑委员会
地 址: 吉林省长春市东南湖大路3888号
邮 编: 130033
电 话: (0431) 86176852/84627061
传 真: (0431) 84627061
电子信箱: chineseoptics@ciomp.ac.cn
zggxcn@126.com

网 址: <http://www.chineseoptics.net.cn>
印 刷: 吉林省文林印务有限公司
国内发行: 吉林省报刊发行局
国内订购: 全国各地邮政局
国外发行: 中国国际图书贸易总公司
(北京399信箱 邮编: 100044)
定 价: 80.00元

Superintended by Chinese Academy of Sciences
Sponsored by Changchun Institute of Optics, Fine Mechanics
and Physics, Chinese Academy of Sciences;
Chinese Optical Society

Cosponsored by State Key Laboratory of Laser Interaction
with Matter

Editor-in-Chief: WANG Jia-qi
Published by China Science Publishing & Media LTD.
(No.16 Donghuangchenggen North Street, Beijing 100717, China)
Edited by Editorial Board of Chinese Optics
Add: No.3888 Dongnanhu Road, Changchun 130033, China
Tel: 86-431-86176852/84627061
Fax: 86-431-84627061
Email: chineseoptics@ciomp.ac.cn
zggxcn@126.com

Website: <http://www.chineseoptics.net.cn>
Printed by Jilin Wenlin Printing Co., Ltd.
Distributed by Jilin Bureau for Distribution of
Newspapers and Journals,
China International Book Trading
Corporation(P.O.Box 399, Beijing 100044, China)

刊 号: ISSN 2095-1531
CN 22-1400/O4

邮发代号: 国内12-140
国外BM6782

ISSN 2095-1531

