

TABLE OF CONTENTS

目 录

The Development and Trends of Photonic Computers

(关于光子计算机的发展概况及趋势)

W. Y. ZHANG, W. C. DONG.....1

Impact of Junction Capacitance on Measurement of I-V Characteristic of InGaAs Detectors with Different Photosensitive Element Sizes

(结电容对不同光敏元尺寸 InGaAs 探测器 I-V 特性测试的影响)

X. R. HE, T. LI, Q. F. XU, B. YANG.....6

Application of Hyperspectral Data Fusion Technology in Evidence Examination

(高光谱数据融合技术在物证检验中的应用)

C. L. WANG, X. C. HUANG, X. J. ZHAO, N. B. CAI, L. YIN, Y. X. LU, M. Z. PAN.....13

Study on the Influence of Laser Machining Screen Dot Shape of Light Guide Plate on Optical Properties

(激光加工导光板网点形状对光学特性的影响研究)

Y. W. WANG, S. F. SUN, J. SHAO, Q. Y. LIU, J. WANG, H. F. ZHANG, M. Y. WANG, Q. ZHANG, X. WANG, S. Q. KE, H. H. SHEN.....20

Development in Wind Turbine Blade Sensing Technology

(风电叶片检测技术的研究进展)

S. C. JIANG.....28

Cirrus Properties Based on Micro Pulse Lidar over Beijing Region

(基于微脉冲激光雷达的北京地区卷云特征研究)

M. WANG, C. HU, F. Y. ZHAO, J. WANG.....34

Dipole Mode of Plasmon in Finite-Size Simple Cubic Lattice System of Tight-Binding Model

(紧束缚模型下有限尺寸的简立方晶格体系等离激元的偶极模式)

R. L. WU, J. QUAN, S. F. XIAO.....42

The Characteristic Analysis of Microwave Photonic Filter Using Cascaded IIR Filter and FIR Filter

(级联 IIR 和 FIR 滤波器的微波光子滤波器的特性分析)

K. Y. NIE, Z. H. HU.....48

Study on the Influence of Translation Error of Large Aperture Stitching Mirror on Its Imaging Quality

(大口径拼接镜平移误差对其成像质量影响研究)

X. W. CHEN.....56

The Design of New Intelligent Home Monitoring System Based on Laser and Pressure Detection
(基于激光压力监测的新型智能家庭监控系统设计)

G. X. HE, Y. CHEN, H. H. LIU.....62

Design of Photonic Crystal Fiber with Zero Dispersion and High Nonlinearity at the Wavelength of 1 μm
(1 μm 波段零色散高非线性光子晶体光纤的设计)

N. B. SUI, T. C. XU, G. S. WEI, J. K. LI, Z. CHEN.....69