

TABLE OF CONTENTS

目 录

The Preparation of Silver Nanowires with High Yield and Research of Thin Film Performance (高产率金属银纳米线的制备其薄膜性能研究)	
D. Z. ZHONG, F. DUAN, S. Y. ZHANG, W. J. YANG, X. HE.....	81
Research Progress on Application of NDT in Additive Manufacturing Technique (无损检测在增材制造技术中应用的研究进展)	
J. W. CHEN, Y. ZHAO, Y. JU, S. LIU, J. MA.....	91
First-Principles Study on Properties of Ni-SiC_{NP} (镍基碳化硅复合材料结构性能第一性原理研究)	
Y. XU, Z. B. ZHU, R. G. SONG, X. L. ZHU, C. L. WANG.....	100
Research on the Fabrication and Performance of Silicon-Based Mach-Zehnder Interferometers (硅基集成 Mach-Zehnder 干涉仪的制备与性能研究)	
Y. X. HONG, J. X. HONG.....	110
The Charged Distribution on the Surface of a Conductor under the Action of the Charged Linear Body (带电线状体作用下的导体表面电荷分布)	
Q. L. LIAO, Y. DENG, Y. YU.....	116
The Electric Field of the Charged Thin Ring and Conductor Plane (带电细圆环和导体平面周围空间的电场)	
Q. L. LIAO, Y. YU, Y. DENG.....	125
Research Progress of 561 nm All-Solid-State Laser (全固态 561 nm 激光器研究进展)	
Y. LI, L. L. GAO.....	133
Research Progress of Irradiation Damage for GaAs Materials and Devices (GaAs 材料及器件的辐照损伤研究进展)	
B. K. CHEN, H. M. JIA, X. CHEN, D. K. WANG, X. FANG, J. L. TANG, D. FANG, X. W. WANG, X. H. WANG, Z. P. WEI.....	141