

南京信息工程大学学报(自然科学版)

第9卷 第2期(总第48期) 2017年3月

目 次

综述

- 基于可见光通信的 MIMO 技术研究现状
..... 迟楠 乔梁 赵嘉琦 卢星宇 (113)
- 面向下一代灵活光网络的数字相干光传输技术
..... 付松年 向梦 (123)
- 相位敏感光时域反射光纤传感技术的研究综述
..... 庞拂飞 刘奂奂 王廷云 (130)
- 石墨烯-硅光电子器件研究进展
..... 饶岚 李灯熬 王任凡 罗彪 (137)
- 可见光通信中光学天线的研究
..... 吴楠 杨爱英 冯立辉 忻向军 (151)
- 可见光定位关键技术的研究与展望
..... 吴楠 杨爱英 冯立辉 忻向军 (159)
- 基于光纤激光器的微波光子移相器研究进展
..... 尚海燕 王岫鑫 吕广娜 (168)
- 光纤传感的后起之秀——分布式传感
..... 张锦龙 王拥军 田凤 张郑琰 (174)

研究性论文

- 光纤通信高速信号偏振态检测系统定标的研究
..... 尚超 吴重庆 (179)
- 基于高分辨率图像传感器的单帧光学相机通信
..... 戴永恒 汤璇 (185)
- 基于 PPM 硬判决的 ARQ-FSO 系统误码性能分析
..... 尹建军 刘宏展 黄蓉 高争光 韦中超 (192)
- 一种基于改进频域最小均方算法的少模光纤模式复用系统均衡
..... 张双熙 刘剑飞 卢嘉 曾祥焯 魏颖 (197)
- 雾霾天气下 DAML 空间相干光通信系统的研究
..... 刘雪 陈健 王萍 马兆慧 由骁迪 吴媛媛 符小东 (203)
- 室内可见光通信频域均衡技术 DSP 方法对比分析
..... 张士灏 汤璇 林邦姜 张敏 李艺伟 (210)
-
- 改进的 Seam Carving 瞬时频率估计算法研究
..... 赵晓平 吴家新 周子贤 (214)
- 三明市雷电气候特征与雷电灾害易损度区划研究
..... 李衣长 吴林峰 余春华 林文华 王婷婷 (220)

Journal of Nanjing University of Information Science and Technology

(Natural Science Edition)

Vol.9 No.2(Sum No.48) Mar. 2017

CONTENTS

Summary Articles

- Research status of MIMO in visible light communication system
..... *CHI Nan QIAO Liang ZHAO Jiaqi LU Xingyu* (122)
- Optical coherent transmission techniques for next generation flexible optical networks
..... *FU Songnian XIANG Meng* (129)
- A review of distributed fiber sensors based on phase-sensitive optical time domain reflectometer
..... *PANG Fufei LIU Huanhuan WANG Tingyun* (136)
- Recent progress of graphene-silicon optoelectronics
..... *RAO Lan LI Deng'ao WANG Renfan LUO Biao* (150)
- Research of optical antenna technology in visible light communication
..... *WU Nan YANG Aiyong FENG Lihui XIN Xiangjun* (158)
- Review on indoor positioning technology based on visible light communications
..... *WU Nan YANG Aiyong FENG Lihui XIN Xiangjun* (167)
- Research progress in microwave photonic phase shifter based on optical fiber laser
..... *SHANG Haiyan WANG Xiuxin LÜ Guangna* (173)
- A rising star in fiber optic sensor: Distributed sensor
..... *ZHANG Jinlong WANG Yongjun TIAN Feng ZHANG Zhengyan* (178)

Research Articles

- Calibration of optical fiber high-speed polarization state measurement system
..... *SHANG Chao WU Chongqing* (184)
- Optical camera communication using high-resolution image sensor within a single frame
..... *DAI Yongheng TANG Xuan* (191)
- Performance of ARQ-FSO system based on PPM hard decision in turbulence channel
..... *YIN Jianjun LIU Hongzhan HUANG Rong GAO Zhengguang WEI Zhongchao* (196)
- A modified adaptive least mean square frequency domain algorithm for equalization of mode division
multiplexed in few mode fiber transmission *ZHANG Shuangxi LIU Jianfei LU Jia
ZEN Xiangye WEI Yin* (202)
- Analysis of free space coherent optical communication system based on DAML phase estimation
in fog/haze weather *LIU Xue CHEN Jian WANG Ping MA Zhaohui
YOU Xiaodi WU Yuanyuan FU Xiaodong* (209)
- Comparison studies of DSP schemes with frequency domain equalization for visible light communication
..... *ZHANG Shihao TANG Xuan LIN Bangjiang ZHANG Min LI Yiwei* (213)
-
- Instantaneous frequency estimation based on improved Seam Carving algorithm
..... *ZHAO Xiaopin WU Jiabin ZHOU Zixian* (219)
- Lightning characteristics and lightning disaster vulnerability zoning in Sanming of Fujian province
..... *LI Yichang WU Linfeng YU Chunhua LIN Wenhua WANG Tingting* (226)