

目次

PQMC-NRCDSK 方案的设计与性能分析 张刚, 黄南飞, 张天骢 (1)

结合社会特征和注意力的行人轨迹预测模型 张志远, 刁英华 (10)

长约束非递归系统卷积码的盲识别 王甲峰, 胡茂海, 蒋鸿宇, 漆钢 (18)

W 波段 3.4 W/mm GaN 功率放大器 MMIC
..... 戈勤, 徐波, 陶洪琪, 王维波, 马晓华, 郭方金, 刘宇 (24)

l_p 范数约束的去冲击干扰优化算法
..... 黎力, 闫利, 周磊, 李东, 刘宏清 (30)

一种改进的卷积神经网络恶意域名检测算法
..... 杨路辉, 刘光杰, 翟江涛, 刘伟伟, 白惠文, 戴跃伟 (37)

利用联合图模型的传感器网络数据修复方法 杨杰, 蒋俊正 (44)

κ - μ 衰落下能量采集认知中继网络性能分析 罗轶, 施荣华, 董健, 王雨婷 (52)

一种用于带内全双工通信的天线设计方案 刘伟荣, 寻建晖, 史凌峰 (60)

一种环境自适应的卫星网络安全路由协议 毕梦格, 巨玉, 侯蓉晖 (66)

采用盲源分离的扩频通信抗干扰算法 赵伟, 俞胜男, 杨烁, 李雄飞 (73)

一种视触觉引导的超声探头自动定位方法 成天佑, 林艳萍, 马晓军 (80)

碳纳米管的无电沉积方法掺镍及电接触特性
..... 董帅, 常春蕊, 梁志奇, 张志明, 安立宝 (88)

可见光辅助中继通信系统与功率分配方案 谢凡, 冯莉芳 (95)

融合多头自注意力机制的语音增强方法
..... 常新旭, 张杨, 杨林, 寇金桥, 王昕, 徐冬冬 (104)

一种新的航迹融合算法精度评价指标 李月武, 胡建旺, 吉兵 (111)

一种注意力机制的多波段图像特征级融合方法 杨晓莉, 蔺素珍 (120)

移动闪存的重叠数据删除技术 贺秦禄, 边根庆, 邵必林, 张维琪 (128)

简讯 (59)(134)

Contents

Design and performance analysis of the PQMC-NRCDSK
 ZHANG Gang ,HUANG Nanfei ,ZHANG Tianqi (1)

Pedestrian trajectory prediction model with social features and attention
 ZHANG Zhiyuan , DIAO Yinghua (10)

Blindrecognition of the long constrained non-recursive systematic convolutional code
 WANG Jiafeng , HU Maohai , JIANG Hongyu , QI Gang (18)

W-band 3.4 W/mm GaN power amplifier MMIC
 GE Qin , XU Bo , TAO Hongqi , WANG Weibo , MA Xiaohua , GUO Fangjin , LIU Yu (24)

l_p -norm regularization optimization of impulsive disturbance removal
 LI Li , YAN Li , ZHOU Lei , LI Dong , LIU Hongqing (30)

Improved algorithm for detection of the malicious domain name based on the convolutional neural network
 YANG Luhui , LIU Guangjie , ZHAI Jiangtao , LIU Weiwei , BAI Huiwen , DAI Yuewei (37)

Method for data recovery in the sensor network based on the joint graph model
 YANG Jie , JIANG Junzheng (44)

Analysis of the performance of energy harvesting cognitive relay networks over $\kappa\mu$ fading
 LUO Yi , SHI Ronghua , DONG Jian , WANG Yuting (52)

Scheme for antenna design used in in-band full-duplex communication
 LIU Weirong , XUN Jianhui , SHI Lingfeng (60)

Environmentally-adaptive secure routing protocol for satellite networks
 BI Mengge , JU Yu , HOU Ronghui (66)

Anti-jamming algorithm for spread spectrum communication using blind source separation
 ZHAO Wei , CHOU Shengnan , YANG Shuo , LI Xiongfei (73)

Ultrasound probe guiding method using vision and force
 CHENG Tianyou , LIN Yanping , MA Xiaojun (80)

Electroless deposition of carbon nanotubes doped with nickel and its electrical contact characteristics
 DONG Shuai , CHANG Chunrui , LIANG Zhiqi , ZHANG Zhiming , AN Libao (88)

Visible light assisted relay communication system and a power allocation scheme
 XIE Fan , FENG Lifang (95)

Speech enhancement method based on the multi-head self-attention mechanism
 CHANG Xinxu , ZHANG Yang , YANG Lin , KOU Jinqiao , WANG Xin , XU Dongdong (104)

New index for evaluation of the accuracy of the track fusion algorithm
 LI Yuewu , HU Jianwang , JI Bing (111)

Method for multi-band image feature-level fusion based on the attention mechanism
 YANG Xiaoli , LIN Suzhen (120)

Deduplication technology for the mobile flash
 万方数据 HE Qinlu , BIAN Genqing , SHAO Bilin , ZHANG Weiqi (128)