

目次

各向异性大气湍流中涡旋 Lommel 光束传输特性 杨瑞科, 周 静 (1)

保证高可靠度和低传输开销的 DTN 拓扑控制 齐小刚, 马久龙, 刘立芳 (7)

一种新的稀疏重构的 DOA 估计算法 韦 娟, 计永祥, 牛俊儒 (13)

一种相位编码信号和失配滤波器联合优化方法 徐磊磊, 周生华, 刘宏伟, 马 林 (19)

软件定义网络中一种两步式多级流表构建算法 郑 凌, 邱智亮, 孙士勇, 潘伟涛, 王伟娜, 张之义 (25)

一种多基地雷达中多元量化融合算法 曹 鼎, 周生华, 刘宏伟, 邵志强 (32)

脉冲噪声衰落信道下 MPSK 信号的符号周期估计 张俊林, 刘明骞 (38)

LDPC 码 ADMM 惩罚译码的早停止方法 王 彪, 慕建君, 焦晓鹏, 王钟斐 (43)

高低轨异构双基地 SAR 改进 CS 成像算法 王跃锐, 索志勇, 李真芳, 张金强, 张庆君 (50)

粗糙海面与上方多目标瞬态电磁散射混合算法 王 强, 郭立新, 刘忠玉 (57)

分组码级联极化码 周田心, 李 颖 (64)

多阶阻抗匹配与宽频带天线的设计分析 王 乐, 赵志鹏, 李亚楠, 刘金海, 尹应增, 李 晖 (69)

LRC 码最小距离限的深入分析 郝晓慧, 车书玲, 张欣瑜 (75)

一种云平台动态风险访问控制模型 杨宏宇, 宁宇光 (80)

集体防御机制下同质网络行动同步建模与控制 王 刚, 胡 鑫, 马润年, 刘文斌 (89)

3.3 V CMOS 工艺下 5 V 电源轨的 ESD 箝位电路

.....	陈迪平, 董刚 (96)
一种耦合深度信念网络的图像识别方法	
.....	马苗, 许西丹, 武杰 (102)
一种简化鲁棒的传感网络节点三维估计算法	
.....	赵季红, 谢志勇, 曲桦, 王明欣, 刘熙 (108)
星载伞状可展开天线支撑肋结构优化	
.....	王波, 郑士昆, 李洲洋, 谢卓 (115)
虚拟化光无线融合接入网多路径可靠传输机制	
.....	邹虹, 陈霄 (121)
利用空间平滑的协方差秩最小化 DOA 估计方法	
.....	王洪雁, 房云飞, 裴炳南 (128)
BP 神经网络下的限速交通标志实时检测识别	
.....	张兴国, 刘晓磊, 李靖, 王环东 (136)
硬件安全门级细粒度形式化验证方法	
.....	秦茂源, 慕德俊, 胡伟, 毛保磊 (143)
带有恶意串谋检测的机会感知数据转发机制	
.....	杨静, 李鹏程, 李无忧, 闫俊杰 (149)
三维角度域网络干扰的空间选择特性	
.....	杜得荣, 曾孝平, 简鑫, 杨凡, 陈礼 (157)
结合全局与局部池化的深度哈希人脸识别算法	
.....	曾燕, 陈岳林, 蔡晓东 (163)
一种改进的 (k, n) 标记视觉密码方案	
.....	郭松鸽, 吕东辉, 任艳丽 (170)
一种改进的卷积神经网络 SAR 目标识别算法	
.....	许强, 李伟, 占荣辉, 邹鲲 (177)
低轨道卫星随机接入系统中多用户检测算法	
.....	鲁大伟, 王奇伟, 任光亮 (184)
迁移学习结合难分样本挖掘的机场目标检测	
.....	许悦雷, 朱明明, 马时平, 唐红, 马红强 (190)
简讯	(12)(18)(74)(88)(120)(162)

Contents

Properties of vortex Lommel beam propagation in anisotropic atmospheric turbulence
 *YANG Ruike, ZHOU Jing* (1)

Topology control with a high reliability and low transmission overhead in DTN
 *QI Xiaogang, MA Jiulong, LIU Lifang* (7)

Novel algorithm for DOA estimation based on the sparse reconstruction
 *WEI Juan, JI Yongxiang, NIU Junru* (13)

Joint optimization of the phase coded waveform and mismatched filter
 *XU Leilei, ZHOU Shenghua, LIU Hongwei, MA Lin* (19)

Two-step multiple flow table construction algorithm in the software-defined network
 *ZHENG Ling, QIU Zhiliang, SUN Shiyong, PAN Weitao, WANG Weina* (25)

Fusion method based on multilevel quantization in multistatic radar
 *CAO Ding, ZHOU Shenghua, LIU Hongwei, SHAO Zhiqiang* (32)

Estimation of the symbol period of MPSK signals over fading channels with impulsive noise
 *ZHANG Junlin, LIU Mingqian* (38)

Method for early termination of ADMM penalized decoding for LDPC codes
 *WANG Biao, MU Jianjun, JIAO Xiaopeng, WANG Zhongfei* (43)

Improved CS imaging algorithm for the GEO-LEO BiSAR system
 *WANG Yuekun, SUO Zhiyong, LI Zhenfang, ZHANG Jinqiang, ZHANG Qingjun* (50)

Hybrid method for transient electromagnetic scattering from multiple targets above the rough sea surface
 *WANG Qiang, Guo Lixin, LIU Zhongyu* (57)

Block codes concatenated polar codes
 *ZHOU Tianxin, LI Ying* (64)

Design and analysis of multi-tuned impedance matching and broadband antennas
 *WANG Le, ZHAO Zhipeng, LI Ya'nan, LIU Jinhai, YIN Yingzeng, LI Hui* (69)

In-depth analysis of bounds on the minimum distance of LRCs
 *HAO Xiaohui, CHE Shuling, ZHANG Xinyu* (75)

Cloud platform dynamic risk access control model
 *YANG Hongyu, NING Yuguang* (80)

Synchronization of the homogeneity cyberspace operation based on the collective defensive mechanism
 *WANG Gang, HU Xin, MA Runnian, LIU Wenbin* (89)

- ESD power-rail clamp circuit with a 5V power in the 3.3V CMOS process
 *CHEN Diping, DONG Gang* (96)
- Coupled-deep belief network based method for image recognition
 *MA Miao, XU Xidan, WU Jie* (102)
- Simplified and robust algorithm for three-dimensional estimation of nodes in sensor networks
 *ZHAO Jihong, XIE Zhiyong, QU Hua, WANG Mingxin, LIU Xi* (108)
- Optimization of the rib of the satellite deployable umbrella reflector
 *WANG Bo, ZHENG Shikun, LI Zhouyang, XIE Zhuo* (115)
- Multi-path reliable transmission mechanism in the virtualized integrated fiber-wireless access network
 *ZOU Hong, CHEN Xiao* (121)
- Method for estimation of covariance rank minimization DOA by exploiting spatial smoothing
 *WANG Hongyan, FANG Yunfei, PEI Bingnan* (128)
- Real-time detection and identification of speed limit traffic signs under the BP neural network
 *ZHANG Xingguo, LIU Xiaolei, LI Jing, WANG Huandong* (136)
- Fine-granularity gate level formal verification method for hardware security
 *QIN Maoyuan, MU Dejun, HU Wei, MAO Baolei* (143)
- Malicious collusion detection data forwarding mechanism in opportunistic sensing
 *YANG Jing, LI Pengcheng, LI Wuyou, YAN Junjie* (149)
- Spatial selectivity of network interference in the three-dimensional angular domain
 *DU Derong, ZENG Xiaoping, JIAN Xin, YANG Fan, CHEN Li* (157)
- Face recognition algorithm for the deep hash combined with global and local pooling
 *ZENG Yan, CHEN Yuelin, CAI Xiaodong* (163)
- Improved (k, n) tagged visual cryptography scheme
 *GUO Songge, LÜ Donghui, REN Yanli* (170)
- Improved algorithm for SAR target recognition based on the convolutional neural network
 *XU Qiang, LI Wei, ZHAN Ronghui, ZOU Kun* (177)
- Multi-user detection algorithm in the LEO satellite random access system
 *LU Dawei, WANG Qiwei, REN Guangliang* (184)
- Airport object detection combining transfer learning and hard example mining
 *XU Yuelei, ZHU Mingming, MA Shiping, TANG Hong, MA Hongqiang* (190)