



电信科学



电 信 科 学

第 36 卷第 11 期 2020 年 11 月

目 次

综 述

基于可视数据的可信身份识别和认证方法·····	彭春蕾, 高新波, 王楠楠, 李 洁 [2020293](1)
面向机器学习的隐私保护关键技术研究综述·····	刘姿杉, 程 强, 吕 博 [2020283](18)

研究与开发

移动通信网络评价准则与解决方案·····	伏玉笋 [2020275](28)
大规模 MIMO 系统中基于图着色的半动态导频分配·····	许方敏, 钱 慧, 曹海燕 [2020184](39)
融入词汇共现的社交网络用户情感 Biterm 主题模型·····	顾秋阳, 吴 宝, 琚春华 [2020302](47)
基于机器学习的光纤窃听检测方法·····	陈孝莲, 秦 奕, 张 杰, 李亚杰, 宋浩鲲, 张会彬 [2020299](61)
基于椭圆球面波信号的连续相位调制及其频谱性能分析·····	杨大伟, 刘传辉, 康家方 [2020277](68)
分布式阵列系统中反馈比特的分配方法·····	张 帅, 潘 鹏, 王 瑾 [2020300](79)
多密钥加密方法设计·····	衷宇清, 王 浩, 林泽兵, 王 敏, 陈立业 [2020304](89)

专栏: 信息安全

公钥密码基础设施在电信运营商的应用·····	王聪丽, 王锦华, 薛伟佳 [2020292](98)
机器视觉技术、标准及安全产业应用·····	张 园, 王慧芬, 王翰铭[2020296](104)
基于 RASP 的 Web 安全检测方法·····	余 航, 王 帅, 金华敏[2020294](113)
基于 Bert 模型的互联网不良信息检测·····	蔡 鑫[2020303](121)
基于大数据分析的安全威胁情报在电信运营商的落地应用·····	薄明霞, 唐洪玉, 马 晨, 张 鉴[2020301](127)
国内外行业标杆企业在网络与信息安全领域的实践分析·····	奚晓音, 袁晓云[2020295](134)

运营技术广角

5G 大规模天线技术发展及创新方向·····	骆胜军, 张申科[2020186](141)
5G 时代运营商 2B 商业模式研究·····	王晓霞, 赵 慧, 崔羽飞, 李 堃, 王 笑[2020297](149)
云服务时代下的开源发展·····	孙福洲, 钱 瑾, 杨 静, 钱 岭[2020298](156)
MPLS VPN 业务 VRRP 回程路由设计·····	王皓轮[2020264](165)
基于大数据的网页浏览质差分析方法研究·····	程卫华, 何肖嵘[2020126](174)

Contents

Comprehensive Review

- Dependable identity recognition and authorization based on visual information
..... *PENG Chunlei, GAO Xinbo, WANG Nannan, LI Jie* [2020293](1)
- A survey on key technologies of privacy protection for machine learning *LIU Zishan, CHENG Qiang, LV Bo* [2020283](18)

Research and Development

- Evaluation criteria and solution of mobile communication network *FU Yusun* [2020275](28)
- Semi-dynamic pilot allocation based on graph coloring in massive MIMO systems
..... *XU Fangmin, QIAN Hui, CAO Haiyan* [2020184](39)
- Biterm topic model of social network users' sentiment by integrating word co-occurrence
..... *GU Qiuyang, WU Bao, JU Chunhua* [2020302](47)
- Optical fiber eavesdropping detection method based on machine learning
..... *CHEN Xiaolian, QIN Yi, ZHANG Jie, LI Yajie, SONG Haokun, ZHANG Huibin* [2020299](61)
- PSWF signal based continuous phase modulation and its spectrum performance analysis
..... *YANG Dawei, LIU Chuanhui, KANG Jiafang* [2020277](68)
- Feedback bit allocation in distributed antenna array systems *ZHANG Shuai, PAN Peng, WANG Cui* [2020300](79)
- Design of multi-key encryption method *ZHONG Yuqing, WANG Hao, LIN Zebin, WANG Min, CHEN Liye* [2020304](89)

Topic: Information Security

- Application of public key infrastructure in telecom operators
..... *WANG Congli, WANG Jinhua, XUE Weijia* [2020292](98)
- Machine vision technology, standardization, and application in safety industry
..... *ZHANG Yuan, WANG Huifen, WANG Hanming* [2020296](104)
- RASP based Web security detection method *YU Hang, WANG Shuai, JIN Huamin* [2020294](113)
- Internet bad information detection based on Bert model *CAI Xin* [2020303](121)
- Application of security threat intelligence based on big data analysis in telecom operators
..... *BO Mingxia, TANG Hongyu, MA Chen* [2020301](127)
- Practice analysis of domestic and foreign industry benchmarking enterprises in the field of network and information security
..... *XI Xiaoyin, YUAN Xiaoyun* [2020295](134)

Operation Technology

- 5G large-scale array antenna technology development and innovation direction
..... *LUO Shengjun, ZHANG Shenke* [2020186](141)
- Research on B2B business model of operators in 5G era
..... *WANG Xiaoxia, ZHAO Hui, CUI Yufei, LI Kun, WANG Xiao* [2020297](149)
- Open source development in the cloud services era *SUN Fuzhou, QIAN Jin, YANG Jing, QIAN Ling* [2020298](156)
- Design of backhaul routes in VRRP networks of MPLS VPN *WANG Haolun* [2020264](165)
- Quality analysis method of Web browsing based on big data
..... *CHENG Weihua, HE Xiaorong* [2020126](174)