



中国科技核心期刊



Q K 2 0 4 9 0 7 0

ISSN 1000-0801

CN 11-2103/TN

电信科学

Telecommunications Science

第36卷第1期 Vol. 36 No. 1 | 2020年1月 Jan. 2020



中国通信学会



人民邮电出版社有限公司

中国 · 北京 Beijing, China

万方数据

电 信 科 学

第 36 卷第 1 期 2020 年 1 月

目 次

专题：5G 组网与 6G 展望

6G 智慧雾无线接入网：架构与关键技术·····	张 贤，曹雪妍，刘炳宏，艾 元，刘晨熙 [2020012](3)
6G 内生安全：体系结构与关键技术·····	刘 杨，彭木根 [2020011](11)
6G 内生安全：区块链技术·····	聂凯君，曹 侯，彭木根 [2020004](21)
5G 低空网络解决方案和运营应用·····	张 勍，冯 毅，马 丹，吕 琦 [2020005](28)
基于 5G 网络技术的移动卒中单元的研究·····	盛 煜，刘志衡，单丽雅，冯 毅 [2020014](34)
5G 增强移动宽带关键技术性能研究·····	朱龙昶，纪晓东，张欣然，李取鑫 [2020003](41)
5G 蜂窝车联网组网性能研究·····	王 君，纪晓东，张欣然，温晓然，佟佳俊 [2020009](49)
5G 无线优化面临的挑战及应对策略·····	周 俊，权 笑，马建辉 [2020013](58)

研究与开发

我国信息通信技术创新扩散效应及预测实证研究·····	胡文玉，王文举 [2020015](66)
改进的极化选择译码转发中继协作·····	孙启超，包建荣，刘 超，姜 斌，朱 芳，何剑海 [2020007](77)
减轻环境和终端差异影响的无线定位方法·····	王结太，官友廉，杨小牛，骆振兴，于剑标 [2020006](88)
高校不限流量套餐下 LTE 网络扩容·····	王 帅，李 毅，陈茂林，许桂芳[2020020](101)
视频流可扩展反馈卸载的渐进二次博弈机制·····	葛茜倩[2020022](109)
基于机器学习的多源威胁情报质量评价方法·····	刘汉生，唐洪玉，薄明霞，牛剑锋，李天博，李玲晓[2020010](119)

电力信息化专栏

无实时网络下约定式运算的控制研究和应用·····	张正峰[2020019](127)
基于组合密钥的智能电网多源数据安全保护·····	高 建，陈文彬，庞建民，于华东，宋国瑞[2020002](134)
电力企业基于 RPA 技术助力财务智能化应用实践·····	全文举[2020017](139)
基于多模型融合的电网故障抢修时长预测·····	潘坚跃，吴懿臻，徐汉麟[2020016](144)

Telecommunications Science

Vol.36 No.1 January 2020

Contents

Topic: 5G Networking and 6G Outlook

Smart fog radio access networks for 6G: architecture and key technologies	
.....	ZHANG Xian, CAO Xueyan, LIU Binghong, AI Yuan, LIU Chenxi [2020012](3)
6G endogenous security: architecture and key technologies	LIU Yang, PENG Mugen [2020011](11)
6G endogenous security: blockchain technology	NIE Kaijun, CAO Bin, PENG Mugen [2020004](21)
5G low altitude network service and operation solutions	ZHANG Qing, FENG Yi, MA Dan, LV Qi [2020005](28)
Research on mobile stroke unit based on 5G network technology	
.....	SHENG Yu, LIU Zhiheng, SHAN Liya, FENG Yi [2020014](34)
Performance evaluation on key techniques for 5G enhanced mobile broadband	
.....	ZHU Longchang, JI Xiaodong, ZHANG Xinran, LI Quxin [2020003](41)
Performance evaluation of 5G cellular vehicle networks	
.....	WANG Jun, JI Xiaodong, ZHANG Xinran, WEN Xiaoran, TONG Jiajun [2020009](49)
Challenge and strategy of 5G radio optimization	ZHOU Jun, QUAN Xiao, MA Jianhui [2020013](58)

Research and Development

Empirical research on the diffusion effect of ICT innovation diffusion and prediction in China	
.....	HU Wenyu, WANG Wenju [2020015](66)
Improved Polar selective decoding and forwarding cooperation	
.....	SUN Qichao, BAO Jianrong, LIU Chao, JIANG Bin, ZHU Fang, HE Jianhai [2020007](77)
Wireless positioning methods for mitigating the influence of environmental and terminal diversity	
.....	WANG Jietai, GUAN Youlian, YANG Xiaoniu, LUO Zhenxing, YU Jianbiao [2020006](88)
LTE network expansion under unlimited traffic packages in colleges and universities	
.....	WANG Shuai, LI Yi, CHEN Maolin, XU Guifang [2020020](101)
Asymptotic quadratic price game mechanism for video stream extensible feedback unloading	
.....	GE Qianqian [2020022](109)
A multi-source threat intelligence confidence value evaluation method based on machine learning	
.....	LIU Hansheng, TANG Hongyu, BO Mingxia, NIU Jianfeng, LI Tianbo, LI Lingxiao [2020010](119)

Power Informationization Column

Control research and application of conventional operations without real-time networks	
.....	ZHANG Zhengfeng [2020019](127)
Research on multi-source data security protection of smart grid based on combination key	
.....	Gao Jian, Chen Wenbin, Pang Jianmin, Yu Huadong, Song Guorui [2020002](134)
Financial digital transformation practice of power enterprises based on RPA	QUAN Wenju [2020017](139)
Prediction of power grid fault repair time based on multi-model fusion	
.....	PAN Jianyue, WU Yizhen, XU Hanlin [2020016](144)

电信科学

Telecommunications Science



邮发代号：2-397 国外代号：M841 定价：68.00元

万方数据

ISSN 1000-0801



9 771000 080200

0.1>