



通信学报

第 42 卷第 6 期 2021 年 6 月

目 次

学术论文

- 多智能体协作场景下基于强化学习值分解的计算卸载策略 张 鹏, 田 辉, 赵鹏涛, 贺 硕, 童一帆 [2021121](1)
- 联邦学习中基于时分多址接入的用户调度策略 陶梅霞, 王 栋, 孙 瑞, 张乃夫 [2021056](16)
- 区块链 PCN 的高效路由策略 霍 如, 倪 东, 卢 华, 夏云峰, 汪 硕, 黄 韬, 刘韵洁 [2021113](30)
- 基于深度确定性策略梯度的随机路由防御方法 徐潇雨, 胡 浩, 张红旗, 刘玉岭 [2021093](41)
- 城市场景中车联网时空数据分析及其通达性方法 程久军, 原桂远, 崔 杰, 周爱国, 吕 博, 李光耀 [2021110](52)
- 基于 DRL 的联邦学习节点选择方法 贺文晨, 郭少勇, 邱雪松, 陈连栋, 张素香 [2021111](62)
- 基于改进灰狼优化的复杂网络重要节点识别算法 顾秋阳, 吴 宝, 孙兆洋, 池仁勇 [2021088](72)
- 基于有监督判别投影的网络安全数据降维算法 郭方方, 吕宏武, 任威霖, 王瑞妮 [2021117](84)
- 下行 MIMO 广播信道中基于偏袒干扰消除的回溯干扰对齐方案
..... 李劲夫, 冯文江, 王文收, 蒋卫恒, 杨崇海 [2021092](94)
- 差分隐私下多重一致性约束问题的逼近方法 蔡剑平, 刘西蒙, 熊金波, 应作斌, 吴英杰 [2021122](107)
- 基于多智能体元强化学习的车联网协同服务缓存和计算卸载 宁兆龙, 张凯源, 王小洁, 郭 磊 [2021104](118)
- 基于属性签名标识的 SDN 数据包转发验证方案 常朝稳, 金建树, 韩培胜, 祝现威 [2021079](131)
- 具有可信约束的分布式存储因果一致性模型 田俊峰, 张俊涛, 王彦翥 [2021091](145)
- 源节点电池容量受限的菱形信道最优传输策略 李陶深, 孙 莉, 王 哲 [2021069](158)
- 基于虚拟机字节码注入的 Android 应用程序隐私保护机制 宋宇波, 陈 琦, 宋 睿, 胡爱群 [2021115](171)
- 基于威胁情报的网络安全态势感知模型 张红斌, 尹 彦, 赵冬梅, 刘 滨 [2021106](182)

综 述

- 面向隐私保护的非聚合式数据共享综述 李尤慧子, 殷昱煜, 高洪皓, 金 一, 王新珩 [2021120](195)

学术通信

- 车联网中可证安全的匿名可追溯快速组认证协议 张海波, 黄宏武, 刘开健, 贺晓帆 [2021073](213)
- 低功耗蓝牙 5.0 邻居发现协议时延模型研究 骆冰清, 王佩佩, 王正康, 孙知信 [2021105](226)

Journal on Communications

Vol.42 No.6 June 2021

Contents

Papers

- Computation offloading strategy in multi-agent cooperation scenario based on reinforcement learning with value-decomposition *ZHANG Peng, TIAN Hui, ZHAO Pengtao, HE Shuo, TONG Yifan* [2021121](1)
- TDMA-based user scheduling policies for federated learning *TAO Meixia, WANG Dong, SUN Rui, ZHANG Naifu* [2021056](16)
- Efficient routing strategy of blockchain-based payment channel network *HUO Ru, NI Dong, LU Hua, XIA Yunfeng, WANG Shuo, HUANG Tao, LIU Yunjie* [2021113](30)
- Random routing defense method based on deep deterministic policy gradient *XU Xiaoyu, HU Hao, ZHANG Hongqi, LIU Yuling* [2021093](41)
- Spatio-temporal data analysis and accessibility method for IoV in an urban scene *CHENG Jiujun, YUAN Guiyuan, CUI Jie, ZHOU Aiguo, LYU Bo, LI Guangyao* [2021110](52)
- Node selection method in federated learning based on deep reinforcement learning *HE Wenchen, GUO Shaoyong, QIU Xuesong, CHEN Liandong, ZHANG Suxiang* [2021111](62)
- Key node identification algorithm for complex network based on improved grey wolf optimization *GU Qiuyang, WU Bao, SUN Zhaoyang, CHI Renyong* [2021088](72)
- Reduction algorithm based on supervised discriminant projection for network security data *GUO Fangfang, LYU Hongwu, REN Weilin, WANG Ruini* [2021117](84)
- Partial interference elimination based retrospective interference alignment scheme in the downlink MIMO broadcast channel *LI Jingfu, FENG Wenjiang, WANG Wenshou, JIANG Weiheng, YANG Chonghai* [2021092](94)
- Approximation method of multiple consistency constraint under differential privacy *CAI Jianping, LIU Ximeng, XIONG Jinbo, YING Zuobin, WU Yingjie* [2021122](107)
- Cooperative service caching and peer offloading in Internet of vehicles based on multi-agent meta-reinforcement learning *NING Zhaolong, ZHANG Kaiyuan, WANG Xiaojie, GUO Lei* [2021104](118)
- Software-defined network packet forwarding verification scheme based on attribute-based signatures identification *CHANG Chaowen, JIN Jianshu, HAN Peisheng, ZHU Xianwei* [2021079](131)
- Distributed storage causal consistency model with trusted constraint *TIAN Junfeng, ZHANG Juntao, WANG Yanbiao* [2021091](145)
- Optimal transmission strategy of diamond channel with limited battery capacity of source node *LI Taoshen, SUN Li, WANG Zhe* [2021069](158)
- Android application privacy protection mechanism based on virtual machine bytecode injection *SONG Yubo, CHEN Qi, SONG Rui, HU Aiqun* [2021115](171)
- Network security situational awareness model based on threat intelligence *ZHANG Hongbin, YIN Yan, ZHAO Dongmei, LIU Bin* [2021106](182)

Comprehensive Review

- Survey on privacy protection in non-aggregated data sharing *LI Youhuizi, YIN Yuyu, GAO Honghao, JIN Yi, WANG Xinheng* [2021120](195)

Correspondences

- Verifiably secure fast group authentication protocol with anonymous traceability for Internet of vehicles *ZHANG Haibo, HUANG Hongwu, LIU Kajian, HE Xiaofan* [2021073](213)
- Latency model of neighbor discovery based on Bluetooth low energy 5.0 *LUO Bingqing, WANG Peipei, WANG Zhengkang, SUN Zhixin* [2021105](226)