• 中国核心期刊(遴选)数据库
• 中国学术期刊综合评价数据库
• 中国学术期刊(光盘版)
• 中文科技期刊数据库(全文版)
• 万方数据系统

ISSN 1671-4547
CN 43-1365/E

QK2103622

国防科技

GUOFANG KEJI

NATIONAL DEFENSE TECHNOLOGY

2021 · 1

国防科技大学
National University of Defense Technology

ISSN 1671-4547

万方数据

国防科技

GUOFANG KEJI

2021 年 2 月　　第 42 卷第 1 期

目　次

科技前沿

美军 XQ-58A 项目与应用模式分析 …… 贾高伟，郭正　1

现代战争心理战高科技运用探析 …… 廖东升，梅顺量，周楚韵，付阳　7

基于运输问题的国防动员任务规划模型研究 …… 赵艳勤，高春梅，黎锐　13

装备动态

太空信息支援指挥控制支持平台构建初探 …… 侯迎春，张戈　19

美军小型低成本无人蜂群发展运用及对策 …… 岳　凡，胥银华，郭泽民　27

由“波音 737max 事件”引发的对信息智能时代武器装备质量管理的思考 …… 张雄　32

安全观察

基于打击链的智能武器风险分析与控制方法研究 …… 郝英好　37

外军瞭望

美军 HPM 效能评估软件及仿真工具箱 …… 张泽海，陈冬群，周扬　43

浅析当前美国国防预算改革 …… 池志培，刘妍娟　50

网络信息战——社交媒体武器化趋势及影响 …… 孙定宇　60

理论创新

当前战区陆军预备役部队民用运力动员初探 …… 王志国，金建光　66

管理创新

军民融合框架下非战争军事行动应急防疫保障体系建设的思考 …… 李平俊，王帅，彭湘义　71

对标准化与前沿技术创新互动关系的理解认识 …… 王数，张利亭，张凯　77

战疫视角下区块链推动应急物流发展研究 …… 吴量，徐东，刘伟　84

央行数字货币在军队资金保障中的应用 …… 吴宜闯，罗浚华，黄竹逸　89

学术争鸣

应对混合战争的人防工程安检设施设置研究 …… 朱星平　94

星座卫星移动通信系统最新发展及启示 …… 徐小涛，庞江成，李超　100

作战训练

军人坚毅品质训练内容及方法探析 …… 陈玲丽，张小亮　106

混合现实技术在军事训练中的应用优势——以美军综合训练环境为例 …… 潘娜，张记炜　111

专题：智能化装备检测

智能化导弹质量检测方法研究 …… 邓海军，谢进堂，曾维娜，肖斌　118

人工智能装备质量监督效能研究 …… 张礼学，杨勇，周琳，蔡志刚　123

智能化装备检测能力建设研究 …… 黄宇，丁东，王文研，潘东伟，黄泽广　128

基于深度学习及 FPGA 的装备目标检测研究 …… 顾佼佼，刘克，陈健　134

期刊基本参数：CN 43-1365/E * 1978 * b * A4 * 142 * zh * P * ¥ 20.00 * 18,800 * 23 * 2021-2

万方数据

NATIONAL DEFENSE TECHNOLOGY

Vol. 42, No. 1 February 2021

CONTENTS

Analysis of the XQ-58A project of the US military and its modes of application ····· *JIA Gaowei, GUO Zheng* (6)
The application of advanced technologies for psychological warfare in modern warfare
····· *LIAO Dqngsheng, MEI Shunliang, ZHOU Chuyun, FU Yang* (12)
Research on a task planning model for national defense mobilization proxied by transport mobilization
····· *ZHAO Yanqin, GAO Chunmei, LI Rui* (18)
Critical issues in the construction of a command-and-control platform for space information support
····· *HOU Yingchun, ZHANG Ge* (26)
The US military's development and application of small and low-cost unmanned swarms and countermeasures
····· *YUE Fan, XU Yinhua, GUO Zemin* (31)
Reflections about the quality management of information-age weaponry inspired by the Boeing 737 Max incidents
····· *ZHANG Xiong* (36)
Kill-chain-based analysis of the risks of intelligent weapons and methods for their control
····· *HAO Yinghao* (42)
High-Power Microwave effectiveness assessment models and simulation toolboxes of the US military
····· *ZHANG Zehai, CHEN Dongqun, ZHOU Yang* (49)
Thoughts on US defense budget reform ····· *CHI Zhipei, LIU Yanjuan* (59)
Network information warfare: trends and impact of social media weaponization ····· *SUN Dingyu* (65)
A preliminary discussion on mobilizing civil transport capacity by the Army Reserve Forces under the PLA theater command ····· *WANG Zhiguo, JIN Jianguang* (70)
Thoughts on capacity-building for emergency epidemic responses as non-war military operations under the framework of Civil-military Integration ····· *LI Pingjun, WANG Shuai, PENG Xiangyi* (76)
Understanding the interaction between standardization and frontier technology innovation
····· *WANG Shu, ZHANG Liting, ZHANG Kai* (83)
Development of blockchain-driven emergency logistics for epidemic prevention and control
····· *WU Liang, XU Dong, LIU Wei* (88)
The application of China's Digital Currency Electronic Payment system in military fund support
····· *WU Yichuang, LUO Junhua, HUANG Zhuyi* (93)
Deploying security check facilities for civil defense works to counter hybrid warfare ····· *ZHU Xingping* (99)
Recent developments in satellite constellation networks and lessons learned
····· *XU Xiaotao, PANG Jiangcheng, LI Chao* (105)
An analysis of the practices and methods of military grit training
····· *CHEN Lingli, ZHANG Xiaoliang* (110)
Advantages of mixed reality technology in military training-An example of the U.S. Army's Synthetic Training Environment ····· *PAN Na, ZHANG Jiwei* (117)
Methods for quality inspections on intelligent missiles····· *DENG Haijun, XIE Jintang, ZENG Weina, XIAO Bin* (122)
Improving the efficiency of quality supervision for artificial intelligence hardware
····· *ZHANG Lixue, YANG Yong, ZHOU Lin, CAI Zhigang* (127)
Establishment of testing capabilities for intelligent equipment
····· *HUANG Yu, DING Dong, WANG Wenyan, PAN Dongwei, HUANG Zeguang* (133)
Missile target detection based on Deep Learning and its implementation in an FPGA
····· *GU Jiaojiao, LIU Ke, CHEN Jian* (142)

万方数据

NATIONAL DEFENSE TECHNOLOGY

1978年创刊
主　　办：国防科技大学
地　　址：湖南长沙
邮政编码：410073

邮发代码：42-37

定价：20.00元/册
120.00元/年

万方数据