



ISSN 1000-1093
CODEN BIXUD9

兵工学报

ACTA ARMAMENTARII

中国兵工学会

2013 9
第34卷 第9期
Vol.34 NO.9

ACTA ARMAMENTARII

(Monthly)

Vol. 34 No. 9 Sep. 2013

Series No. 198

CONTENTS

- Simulative Analysis and Experimental Test of Composite Fragile Projectile Under Impact Dynamics RONG Ji-li, LI Jian, LIU Xian-guang, et al (1057)
- Numerical Simulation of Two-phase Flow of Gas Generator with Central Igniter Tube WANG Shan-shan, WANG Hao, HUANG Ming, et al (1065)
- Synthesis and Characteristics of $\text{La}_{0.8}\text{Sr}_{0.2}\text{CoO}_{3-\delta}$ and Its Effect on Combustion Property of Nitramine Modified Double-base Propellant WEI Zhi-xian, WANG Ya-le, GAO Yuan, et al (1072)
- Research on Polarization Discrimination Algorithm for Coherent Dual-source Angle Deception Interference LI Yong-zhen, HU Wan-qiu, CHENG Xu, et al (1078)
- Nonstationary Clutter Suppression Based on Joint-time Secondary Data Selection ZHAO Yao-dong, LYU Xiao-de, XIANG Mao-sheng (1084)
- Maneuvering-Deceleration Guidance Algorithm Based on Atmosphere Estimation for Reentry Vehicle LI Qiang, XIA Qun-li, HE Jing, et al (1091)
- Elastic-plastic Analysis on Dynamic Response of Arch Subjected to Explosive Impact KANG Ting, XU Jin-yu, BAI Ying-sheng, et al (1097)
- Analysis of Random Dynamic Stiffness Characteristics of Supercavitating Vehicle Structure WANG Jie-fang, AN Wei-guang, JIANG Yun-hua (1103)
- Research on Tribological Properties of WC-Co/NiCrBSi Composite Coatings Prepared by HVOF and APS at Elevated Temperature HE Long, TAN Ye-fa, ZHOU Chun-hua, et al (1109)
- Decision Feedback Estimation of Multiple input/Multiple output Orthogonal Frequency Division Multiplexing Channel Based on Punching Technique Via UWA Shallow Sea WANG Wei, QIAO Gang, WANG Yue, et al (1116)
- Simulation and Experiment of MRR in Lapping Process of SiC Monocrystal Wafers HU Hai-ming, LI Shu-juan, GAO Xiao-chun, et al (1125)
- Research on Reliability-based Robust Design Method for Rotation Systems of CNC Turrets HUANG Xian-zhen, WU Mao-chang, ZHANG Yi-min, et al (1132)
- An Interactive Virtual Compartment Fire Extinguishing Model Based on System Dynamic Characteristic REN Kai, YANG Li, PU Jin-yun, et al (1137)
- Optimization Method of Carrying Spare Parts Support Project for Warship Equipment under Multi-constraints RUAN Min-zhi, LI Qing-min, ZHANG Guang-yu, et al (1144)

Research Notes

- Optimum Design on Aerodynamic Shape of the S-S Style Non-parachute Terminal Sensitive Projectile LYU Sheng-tao, LIU Rong-zhong, GUO Rui, et al (1150)
- Application of Adaptive Kalman Filter in Geomagnetic Attitude Detection System LONG Li, ZHANG He, TANG Yu-fa, et al (1155)
- Study on Performance of Super-reactive AlMg/KMnO₄ Thermites ZHENG Bao-ming, JIANG Wei, CHEN Wei, et al (1161)
- Integrated Design of Interceptor Guidance and Control Considering Modeling Error SONG Hai-tao, ZHANG Tao, ZHANG Guo-liang, et al (1167)
- Research on Prediction of Underwater Acoustic Signals Based on Volterra Adaptive Filter FANG Yuan-yuan, LI Ya-an, CUI Lin, et al (1173)
- Research on Testing Firing Rate Based on Muzzle Impulse Noise LAI Fu-wen, ZHANG Zhi-jie, LIU Jing-jiang, et al (1180)
- Optimization Configuration Modeling of Spare Parts under Constraint of Improved System Spare Part Fill Rate ZHAO Jian-zhong, LI Hai-jun, YE Wen, et al (1187)
- TBF Prediction of Equipment Based on the Gray Markov Model MA Chun-mao, SHAO Yan-jun, PAN Hong-xia, et al (1193)
- Demand Forecasting of Fuzzy Inference-based Wartime Spares LIU Xi-chun, ZHU Long-shi, ZHANG Wei (1197)

目次

- 复合材料易碎弹实验测试与仿真分析研究 荣吉利, 李健, 刘先光, 等 (1057)
带有中心点传火管的燃气发生器两相流数值模拟 王珊珊, 王浩, 黄明, 等 (1065)
 $\text{La}_{0.8}\text{Sr}_{0.2}\text{CoO}_{3-\delta}$ 的合成、表征及对硝胺改性双基推进剂的燃烧性能影响研究
..... 卫芝贤, 王雅乐, 高原, 等 (1072)
相干两点源角欺骗干扰的极化鉴别方法研究 李永祯, 胡万秋, 程旭, 等 (1078)
基于联合时间维训练样本的非平稳杂波抑制方法 赵耀东, 吕晓德, 向茂生 (1084)
基于大气预估的再入飞行器机动减速制导方法 李强, 夏群利, 何镜, 等 (1091)
爆炸冲击荷载作用下拱结构的弹塑性动力响应研究 康婷, 许金余, 白应生, 等 (1097)
超空泡运动体结构的随机动刚度特性分析 王杰方, 安伟光, 蒋运华 (1103)
HVOF 和 APS 制备 WC-Co/NiCrBSi 复合涂层高温摩擦学特性研究 何龙, 谭业发, 周春华, 等 (1109)
多输入多输出正交频分复用浅海水声通信打孔判决反馈信道估计算法 王巍, 乔钢, 王玥, 等 (1116)
SiC 单晶片研磨过程材料去除率仿真与试验研究 胡海明, 李淑娟, 高晓春, 等 (1125)
数控刀架转位系统可靠性稳健设计方法研究 黄贤振, 吴茂昌, 张义民, 等 (1132)
基于系统动力学特性的虚拟舱室灭火交互模型 任凯, 杨立, 浦金云, 等 (1137)
多约束下舰船装备携行备件保障方案优化方法 阮昊智, 李庆民, 张光宇, 等 (1144)

研究简报

- S-S 双翼末敏弹气动外形优化设计 吕胜涛, 刘荣忠, 郭锐, 等 (1150)
自适应卡尔曼滤波在地磁姿态检测中的应用 龙礼, 张合, 唐玉发, 等 (1155)
高活性 $\text{AlMg}/\text{KMnO}_4$ 铝热剂的性能研究 郑宝明, 姜炜, 陈伟, 等 (1161)
考虑建模误差的拦截弹制导控制一体化设计 宋海涛, 张涛, 张国良, 等 (1167)
基于 Volterra 级数的自适应水声信号预测方法研究 房媛媛, 李亚安, 崔琳, 等 (1173)
基于炮口脉冲噪声信号的射速测试方法研究 赖富文, 张志杰, 刘景江, 等 (1180)
改进系统备件满足率约束下的备件优化配置建模 赵建忠, 李海军, 叶文, 等 (1187)
基于灰色马尔可夫模型的装备故障间隔期预测研究 马春茂, 邵延君, 潘宏侠, 等 (1193)
基于模糊推理的战时备件需求预测 刘喜春, 祝龙石, 张伟 (1197)