

第 14 卷 第 3 期 2006 年 6 月

目 次

研究论文

- 新型起爆药 DACP 的合成及其主要性能 盛涤伦, 马凤娥 (161)
六硝基六氮杂异伍兹烷的制备工艺及性能研究 金韶华, 翟密橙, 刘进全, 郑传明, 陈树森, 松全才 (165)
四乙酰基六氮杂异伍兹烷水解硝化反应研究 熊英杰, 陈树森, 金韶华, 史彦山 (168)
CL-20 炸药的包覆钝感研究 陈鲁英, 赵省向, 杨培进, 衡淑云, 李巍, 黄小梧 (171)
TATB/AU 复合薄膜的温台原位 AFM 分析 官德斌, 程克梅, 左玉芬, 周建华 (174)
黑索今炸药在超临界二氧化碳中溶解特性的实验研究 闻利群, 张树海, 张景林 (178)
Determination of Specific Heat Capacity of Energetic Compounds by DSC
..... SUN Cui-na, QIAO Xiao-jing, ZHANG Tong-lai, ZHANG Jian-guo, YU Wen-guang (181)
3,4-二氨基乙二肟(DAG)的制备、晶体结构及热行为 何伟, 张同来, 张建国, 于伟, 郭金玉 (184)
Enthalpies of Dissolution of [Mn(SCZ)₃](PA)₂ · H₂O in DMF
..... PEI Qin, YANG Li, ZHANG Tong-lai, ZHANG Jian-guo, SUN Yuan-hua, SHAO Feng-lei (188)
低当量无铅液体炸药透镜的研制 李赛男, 周显明, 袁帅, 宋萍, 王为, 叶素华 (191)
用一种改进的 Euler 方法模拟凝聚炸药的爆轰 张波, 于明 (195)
火工品感度测试动态斜坡法与升降法比较研究 白颖伟, 蒋庄德, 赵玉龙, 褚恩义 (200)
基于样本最大概率失败数的火工品可靠度估计 周美林, 蔡瑞娇, 韩敦信 (205)
烟幕透过特性对激光寻的武器制导的影响 张金生, 高智杰, 李征委, 王仕成 (209)
氧差对红外照明剂火焰辐射的影响 程年寿, 潘功配, 关华 (215)
发射药对射钉弹穿透性能的影响 田新 (218)
火箭弹射座椅弹射动力系统内弹道模型建立与计算 翟志强, 蔡瑞娇, 董海平, 马金贵, 吴瑶 (221)
雷管在密实介质中殉爆特性的实验研究 赵耀辉, 焦清介, 臧充光, 刘帅 (224)
纳米 Al 粉的结构和性能表征 楚广, 唐永建, 楚士晋, 韦建军, 李朝阳, 刘伟 (227)
应用数值模拟和灰色理论计算分析聚能装药参数对聚能侵彻体成型性的影响
..... 赵慧英, 沈兆武, 王晓海 (231)
线性聚能切割器的应用研究 罗勇, 沈兆武, 崔晓荣 (236)

读者·作者·编者

- 更正(一)(167) 更正(二)(170) 关于 2006 年《钝感弹药研究论文专辑》的征稿启事(199)
关于 2007 年《推进剂研究论文专辑》的征稿启事(204) 关于《含能材料》研究快报的征稿启事(214)
会议信息(一)(235) 会议信息(二)(240) 《含能材料》2006 年第 1 期被 EI 收录论文(VII) 《含能材料》征稿启事(VIII)

CHINESE JOURNAL OF ENERGETIC MATERIALS

Vol. 14, No. 3, 2006

CONTENTS

Synthesis and Properties of New Initiating Explosive DACP	SHENG Di-lun, MA Feng-e (161)
Synthesis and Properties of HNIW	JIN Shao-hua, ZHAI Mi-cheng, LIU Jin-quan, ZHENG Chuan-ming, CHEN Shu-sen, SONG Quan-cai (165)
Hydrolysis and Nitration Reaction of Tetraacetylhexaazaisowurzitane	XIONG Ying-jie, CHEN Shu-sen, JIN Shao-hua, SHI Yan-shan (168)
The Coating and Desensitization of CL-20	CHEN Lu-ying, ZHAO Sheng-xiang, YANG Pei-jin, HENG Shu-yun, LI Wei, HUANG Xiao-wu (171)
In-situ AFM Analysis on Thermal Stage for TATB/AU Films	GUAN De-bin, CHENG Ke-mei, ZUO Yu-fen, ZHOU Jian-hua (174)
RDX's Solubility in Supercritical Carbon Dioxide	WEN Li-qun, ZHANG Shu-hai, ZHANG Jin-lin (178)
Determination of Specific Heat Capacity of Energetic Compounds by DSC	SUN Cui-na, QIAO Xiao-jing, ZHANG Tong-lai, ZHANG Jian-guo, YU Wen-guang (181)
Preparation, Crystal Structure and Thermal Behavior of Diaminoglyoxime	HE Wei, ZHANG Tong-lai, ZHANG Jian-guo, YU Wei, GUO Jin-yu (184)
Enthalpies of Dissolution of $[\text{Mn}(\text{SCZ})_3](\text{PA})_2 \cdot \text{H}_2\text{O}$ in DMF	PEI Qin, YANG Li, ZHANG Tong-lai, ZHANG Jian-guo, SUN Yuan-hua, SHAO Feng-lei (188)
Manufacture of Low Equivalent Liquid Explosive Lens without Lead	LI Sai-nan, ZHOU Xian-ming, YUAN Suai, SONG Ping, WANG Wei, YEI Su-hua (191)
Numerical Simulation of Detonation in Condensed Explosives by Using an Improved Eulerian Method	ZHANG Bo, YU Ming (195)
Study on Ramp Current Method and Up-and-down Method for Sensitivity Testing of Initiating Device	BAI Ying-wei, JIANG Zhuang-de, ZHAO Yu-long, CHU En-yi (200)
Reliability Estimation of Initiating Devices Based on Sample Maximum Failure Probability	ZHOU Mei-lin, CAI Rui-jiao, HAN Dun-xin (205)
Effect of Smoke Screen's Transmissivity on Laser Homing Guidance	ZHANG Jin-sheng, GAO Zhi-jie, LI Zheng-wei, WANG Shi-cheng (209)
Influence of Oxygen Balance on Flame Radiation of Infrared Illuminating Composition	CHENG Nian-shou, PAN Gong-pei, GUAN Hua (215)
Influence of Gun Propellant on the Penetrability of Powder Loads	TIAN Xin (218)
Calculation and Establishment of Interior Ballistics Model for Ejection Gun of Rocket Ejection Seat	ZHAI Zhi-qiang, CAI Rui-jiao, DONG Hai-ping, MA Jin-gui, WU Yao (221)
Characteristics of Detonator Sympathetic Explosion in Densified Medium	ZHAO Yao-hui, JIAO Qing-jie, ZANG Chong-guang, LIU Shuai (224)
Characterization of Structure and Properties of Al Nanoparticles	CHU Guang, TANG Yong-jian, CHU Shi-jin, WEI Jian-jun, LI Chao-yang, LIU Wei (227)
Computational Analysis on Parameters of Shaped Charge Affecting Formation of Jetting Projectile by Numerical Simulation and Grey Relation Theory	ZHAO Hui-ying, SHEN Zhao-wu, WANG Xiao-hai (231)
Application Study on Blasting with Linear Cumulative Cutting Charge in Rock	LUO Yong, SHEN Zhao-wu, CUI Xiao-rong (236)