

- \* 中国科学引文数据库来源期刊
- \* 中国学术期刊综合评价数据库来源期刊
- \* EI、CA 收录期刊
- \* 《中国期刊网》、《中国学术期刊(光盘版)》全文收录
- \* “万方数据——数字化期刊群”全文收录
- \* CEPS 中文电子期刊服务全文收录期刊

# 含能材料

HANNENG CAILIAO

第 13 卷 第 1 期 2005 年 2 月

## 目 次

5-氨基四唑合成的反应热和工艺优化研究.....	盛涤伦, 徐厚宝, 马凤娥 ( 1 )
纳米铝粉微胶囊的制备及表征 .....	张 凯, 傅 强, 范敬辉, 周德惠 ( 4 )
高聚物改性 B 炸药研究( II ) .....	黄亨建, 董海山, 张 明, 习 彦 ( 7 )
纳米 $\alpha$ -Al <sub>2</sub> O <sub>3</sub> 对 HMX 撞击感度的影响 .....	王作山, 张景林 ( 10 )
常温下钝感炸药爆轰波传播的曲率效应研究 .....	谭多望, 方 青 ( 13 )
双聚焦式破片战斗部不同起爆方式的数值模拟研究 .....	魏继锋, 焦清介, 宁建国 ( 17 )
一种“二入四出”爆炸逻辑网络研究 .....	温玉全, 焦清介, 蔡瑞娇, 黄海龙 ( 22 )
反相气相色谱法表征氟橡胶与黑索今酸/碱性质 .....	郭 炜, 吴文辉, 卓 萍, 张 勇, 董海山 ( 26 )
Kinetic Study on the Exothermic Decomposition Reaction of 2 , 4 , 6 , 8 , 10 , 12 - Hexanitro-2 , 4 , 6 , 8 , 10 , 12 - hexaazatricyclo[ 7 · 3 · 0 · 0 <sup>3,7</sup> ] dodecane-5,11-dione .....	ZHAO Feng-qi, HU Rong-zu, YANG De-suo, GAO Hong-xu, LUO Yang, SONG Ji-rong, GAO Sheng-li, SHI Qi-zhen ( 29 )
双基球形药在 9 mm 手枪弹中的应用 .....	田 新 ( 33 )
泰安分子结构与 <sup>14</sup> N 核四极共振参数的关系 .....	宋华付, 徐更光, 王廷增, 刘德润 ( 36 )
多硝基金刚烷红外光谱和热力学性质的理论研究 .....	许晓娟, 肖鹤鸣, 居学海, 贡雪东 ( 40 )
宽频谱红外烟幕剂 CuCl <sub>2</sub> -NiCl <sub>2</sub> -GIC 的研究 .....	任 慧, 焦清介, 沈万慈, 崔庆忠 ( 45 )
耐冻膨化硝铵炸药的制备 .....	周新利, 胡炳成, 刘祖亮, 吕春绪 ( 49 )
甲苯的氟两相硝化反应研究( I ) .....	易文斌, 蔡 春 ( 52 )
弹道特征参数计算及密闭燃烧压力实验 .....	任 鹏, 祝明水, 蒋小华 ( 55 )
航空煤油的羟丙基纤维素凝胶化研究 .....	刘凯强, 陈 钊, 王宁飞, 房 喻 ( 58 )
固体炸药起爆的经典分子动力学研究进展 .....	谭晓莉, 曾新吾, 王 裴 ( 61 )

## 读者·作者·编者

院士风采——徐更光院士( 彩页 )

三大全文电子期刊数据库简介 (21) 本刊加入《中文电子期刊服务》数据库的声明 (32) 《纳米含能材料专辑》征稿启事 (51)  
“中国力学学会学术大会 2005”——爆炸力学学术分会征文 (57)

# ENERGETIC MATERIALS

Vol. 13, No. 1, 2005

## CONTENTS

Study on the Reaction Heat and the Optimization of Synthesis Technology of 5-Aminotetrazole .....	SHENG Di-lun, XU Hou-bao, MA Feng-e ( 1 )
Preparation and Characterization of Nano-aluminium Microcapsules .....	ZHANG Kai, FU Qiang, FAN Jing-hui, ZHOU De-hui ( 4 )
Modification of Composition B with Polymers ( II ) .....	HUANG Heng-jian, DONG Hai-shan, ZHANG Ming, XI Yan ( 7 )
Influence of Nanometer-Al <sub>2</sub> O <sub>3</sub> on the Impact Sensitivity of HMX .....	WANG Zuo-shan, ZHANG Jing-lin ( 10 )
Curvature Effect for Insensitive Explosive at Normal Atmospheric Temperature .....	TAN Duo-wang, FANG Qing ( 13 )
Numerical Investigation of Different Initiation Modes for Dual-focusing Fragment Warhead .....	WEI Ji-feng, JIAO Qing-jie, NING Jian-guo ( 17 )
Study on an Explosive Logic Circuit with Two-input-four-output .....	WEN Yu-quan, JIAO Qing-jie, CAI Rui-jiao, HUANG Hai-long ( 22 )
Indication of the Surface Acid-base Properties of Fluoro Rubber and RDX by Inverse-gas-chromatography .....	GUO Wei, WU Wen-hui, ZHUO Ping, ZHANG Yong, DONG Hai-shan ( 26 )
Kinetic Study on the Exothermic Decomposition Reaction of 2,4,6,8,10,12-Hexanitro-2,4,6,8,10,12-hexaazatricyclo [7·3·0·0 <sup>3,7</sup> ]dodecane-5,11-dione .....	ZHAO Feng-qi, HU Rong-zu, YANG De-suo, GAO Hong-xu, LUO Yang, SONG Ji-rong, GAO Sheng-li, SHI Qi-zhen ( 29 )
The Application of Double-base Ball Propellant in 9 mm Pistol Ammunition .....	TIAN Xin ( 33 )
Molecular Structure and Nuclear Quadrupole Coupling Constants (NQCC) of <sup>14</sup> N in PETN .....	SONG Hua-fu, XU Geng-guang, WANG Ting-zeng, LIU De-run ( 36 )
Theoretical Study on the Vibrational Spectra, Thermodynamic Properties for Polynitroadamantanes .....	XU Xiao-juan, XIAO He-ming, JU Xue-hai, GONG Xue-dong ( 40 )
Research on CuCl <sub>2</sub> -NiCl <sub>2</sub> -GIC Interfering Military Infrared Frequency .....	REN Hui, JIAO Qing-jie, SHEN Wan-ci, CUI Qing-zhong ( 45 )
Preparation of Freeze Resistant Expanded Ammonium Nitrate Explosive .....	ZHOU Xin-li, HU Bing-cheng, LIU Zu-liang, Lü Chun-xu ( 49 )
Nitration of Toluene with Fluorous Biphasic System .....	YI Wen-bin, CAI Chun ( 52 )
Ballistic Parameters Calculation and Closed Combustion Pressure Experiments .....	REN Peng, ZHU Ming-shui, JIANG Xiao-hua ( 55 )
The Gelation of Aviation Kerosene by Hydroxypropyl Cellulose .....	LIU Kai-qiang, CHEN Tian, WANG Ning-fei, FANG Yu ( 58 )
Review on Classical Molecular Dynamics Studies of Initiation in Solid Explosives .....	TAN Xiao-li, ZENG Xin-wu, WANG Pei ( 61 )