

* 中文核心期刊
* 中国科技核心期刊
* RCCSE 中国核心学术期刊
* 中国科学引文数据库来源期刊
* EI、SCOPUS、CA、CSA、AJ、JST 收录期刊

目次 第 25 卷 第 8 期 2017 年 8 月 25 日

◆ 含能快递	(617)
◆ 观点	
欧美钝感弹药技术发展现状与趋势	黄亨建, 路中华, 刘晓波, 蒋治海 (618)
◆ 推进剂	
高张力笼状化合物四环庚烷的分子结构表征及热裂解	李艳玲, 冀克俭, 赵晓刚, 高岩立, 邓卫华, 周 彤, 刘元俊, 邵鸿飞 (622)
基于 AP 预处理技术的粉末推进剂性能	武冠杰, 任全彬, 胡春波, 马少杰, 刘林林 (627)
石蜡燃料的燃烧性能与其化学组成的关系	唐 乐, 陈苏杭, 许志伟, 张 伟, 沈瑞琪, 叶迎华 (633)
GAP 推进剂粘接体系组分迁移动力学研究	杨秋秋, 聂海英, 黄志萍 (639)
◆ 研究论文	
5-甲基-4-硝基-1 <i>H</i> -吡唑-3-(2 <i>H</i>)-酮及其含能离子化合物的合成与性能	邓沐聪, 王毅, 张文全, 张庆华 (646)
无规嵌段型含氟 PAMMO 基热塑性弹性体的合成与表征	徐明辉, 卢先明, 莫洪昌, 葛忠学, 胡怀明 (651)
RDX/Al/SiO ₂ 纳米复合含能材料的制备及性能	张冬冬, 黄寅生, 李 瑞, 李 猛, 王俊杰, 葛梦珠, 张辉建, 何亚丽 (656)
粘结剂含量对热压 TATB 基 PBX 残余应力的影响	温茂萍, 唐 维, 董 平, 唐明峰, 付 涛, 詹春红 (661)
微米级铝颗粒热氧化特性	王架皓, 刘建忠, 周禹男, 王健儒, 许团委, 杨卫娟, 周俊虎 (667)
间隙厚度对改进爆炸零门可靠性窗口的影响	杨小玉, 李燕华, 张郑伟, 王亚东, 温玉全, 谢佳良 (675)
常温和 75 °C 条件下 PBX-2 炸药射弹撞击响应特性	代晓淦, 于劭钧, 黄风雷, 文玉史, 郑 雪, 姚奎光 (683)
典型 PBX 基于 Boltzmann 函数的准静态单轴拉压非线性本构模型(英)	唐 维, 颜熹琳, 温茂萍, 赵 龙, 李 明, 刘 彤, 章定国 (689)
基于 XFEM 与 Cohesive 模型分析 PBX 裂纹产生与扩展	黄西成, 李尚昆, 魏 强, 田 荣, 陈成军, 王理想, 柳 明 (694)
◆ 研究快报	
3,3'-双[三硝甲基- <i>ONN</i> -氧化偶氮基]氧化偶氮呋咱的合成与性能(英)	张家荣, 毕福强, 王伯周, 廉 鹏, 翟连杰, 贾思媛 (701)
◆ 读者·作者·编者	
《含能材料》“观点”征稿(632) 《含能材料》“含能共晶”征稿(645) 《含能材料》“损伤与点火”征稿(688)	

617 Energetic Express

Prospective

- 618 HUANG Heng-jian, LU Zhong-hua, LIU Xiao-bo, JIANG Zhi-hai **Present Situation and Development Trend of Insensitive Munition Technologies from Europe and America**

Propellant

- 622 LI Yan-ling, JI Ke-jian, ZHAO Xiao-gang, GAO Yan-li, DENG Wei-hua, ZHOU Tong, LIU Yuan-jun, SHAO Hong-fei **Molecular Structure Characterization and Pyrolysates of High Strain Caged Compound-Quadricyclane**
- 627 WU Guan-jie, REN Quan-bin, HU Chun-bo, MA Shao-jie, LIU Lin-lin **Performance of Powder Propellant Based on AP Pretreatment Technology**
- 633 TANG Yue, CHEN Su-hang, XU Zhi-wei, ZHANG Wei, SHEN Rui-qi, YE Ying-hua **Relationship between Combustion Characteristics and Chemical Components of Paraffin Fuel**
- 639 YANG Qiu-qiu, NIE Hai-ying, HUANG Zhi-ping **Migration Kinetics of Ingredient in GAP Propellant and Its Bonding System**

Articles

- 646 DENG Mu-cong, WANG Yi, ZHANG Wen-quan, ZHANG Qing-hua **Synthesis and Properties of 5-Methyl-4-nitro-1*H*-pyrazol-3-(2*H*)-one and its Energetic Ion Compounds**
- 651 XU Ming-hui, LU Xian-ming, MO Hong-chang, GE Zhong-xue, HU Huai-ming **Synthesis and Characterization of Random Block Fluorine-Containing PAMMO Based Thermoplastic Elastomers**
- 656 ZHANG Dong-dong, HUANG Yin-sheng, LI Rui, LI Meng, WANG Jun-jie, GE Meng-zhu, ZHANG Hui-jian, HE Ya-li **Preparation and Properties of RDX/Al/SiO₂ Nano-composite Energetic Materials**
- 661 WEN Mao-ping, TANG Wei, DONG Ping, TANG Ming-feng, FU Tao, ZHAN Chun-hong **Effect of Binder Content on Residual Stress of Thermally Compacted TATB Based PBX**
- 667 WANG Jia-hao, LIU Jian-zhong, ZHOU Yu-nan, WANG Jian-ru, XU Tuan-wei, YANG Wei-juan, ZHOU Jun-hu **Thermal Reaction Characterization of Micron-sized Aluminum Powders in Air**
- 675 YANG Xiao-yu, LI Yan-hua, ZHANG Zheng-wei, WANG Ya-dong, WEN Yu-quan, XIE Jia-liang **Effect of Gap Thickness on Reliability Window of Improved Explosive Null Gate**
- 683 DAI Xiao-gan, YU Shao-jun, HUANG Feng-lei, WEN Yu-shi, ZHENG Xue, YAO Kui-guang **Response Characteristic of PBX-2 Explosive under Projectile Impact at Ambient Temperature and 75 °C**
- 689 TANG Wei, YAN Xi-lin, WEN Mao-ping, ZHAO Long, LI Ming, LIU Tong, ZHANG Ding-guo **A Uniaxial Nonlinear Tension-Compression Constitutive Model Based on Boltzmann Function for Typical PBXs under Quasi-Static Loading**
- 694 HUANG Xi-cheng, LI Shang-kun, WEI Qiang, TIAN Rong, CHEN Cheng-jun, WANG Li-xiang, LIU Ming **Analysis of Crack Initiation and Growth in PBX Energetic Material using XFEM-based Cohesive Method**

Letters

- 701 ZHANG Jia-rong, BI Fu-qiang, WANG Bo-zhou, LIAN Peng, ZHAI Lian-jie, JIA Si-yuan **Synthesis and Properties of 3, 3'-Bis (trinitromethyl-*ONN*-azoxy) azoxyfurazan (BTNAF)**