

目次 第25卷 第5期 2017年5月25日

◆ 含能快递	(353)
◆ 推进剂	
低温下叠氮聚醚推进剂冲击损伤特性与动态力学性能	郑启龙, 刘海涛, 胡义文, 管晓霞, 肖乐勤, 周伟良 (354)
不同催化剂条件下 HTPB/IPDI 黏结剂体系的固化过程 马 慧, 刘玉存, 柴 涛, 郭嘉吻, 胡拖平, 罗 进, 张 俊 (360)
短切碳纤维对 AP/HTPB 底排推进剂力学性能的影响	刘志林, 姚文进, 王晓鸣, 李文彬, 高 翔 (366)
基于 SPH 方法的凝胶燃料单滴微爆过程模拟	强洪夫, 张林涛, 陈福振, 刘 虎, 石 超 (372)
基于巴格利修正的膏体推进剂本构方程	刘成浩, 封 锋 (379)
◆ 研究论文	
硼铝金属化炸药的制备及性能表征(英)	宋清官, 高大元, 郑保辉, 李敬明, 曹 威, 曹落霞, 文尚刚, 谭凯元 (384)
N-1,4,6-三硝基六氢咪唑[4,5-d]咪唑-2(1H)-亚硝胺的合成与性能	张君君, 申程, 王鹏程, 陆 明 (391)
锆粉对高氯酸钾热分解反应的影响	孙亚伦, 刘 璐, 任 慧, 焦清介 (396)
硝化棉微孔球形药的结构控制研究	蔺向阳, 邵 闪, 李 翰, 孙义龙, 郑文芳, 潘仁明 (403)
重结晶工艺对 1,1'-二羟基-5,5'-联四唑二羟胺盐热性能和机械感度的影响 许 诚, 张 敏, 赵 娟, 毕福强, 王克勇, 祝艳龙, 崔 荣, 葛忠学 (409)
在线红外光谱研究乌洛托品成盐机理	宋 亮, 陈丽珍, 曹端林, 王建龙 (413)
TATB 基 PBX 界面热阻研究及导热系数预测	周筱雨, 杨雪梅, 韦兴文, 王 培 (422)
◆ 综述	
MEMS 火工品换能元的研究进展	张 彬, 褚恩义, 任 炜, 王可暄, 李慧, 尹 明 (428)
◆ 研究快报	
1-三硝甲基-3-硝基-1,2,4-三唑的晶体结构及性能预估	殷 欣, 马 卿, 王 军, 王树民 (437)
◆ 读者·作者·编者	
《含能材料》“观点”征稿(371) 《含能材料》“损伤与点火”征稿(383) 《含能材料》“含能共晶”征稿(408)	

353 Energetic Express

Propellant

- 354 ZHENG Qi-long, LIU Hai-tao, HU Yi-wen,
JIAN Xiao-xia, XIAO Le-qin, ZHOU Wei-liang
Impact Damage and Dynamic Mechanical Behaviors of Azido Polyether Propellant at Low Temperature
- 360 MA Hui, LIU Yu-cun, CAI Tao, GUO Jia-hu,
HU Tuo-ping, LUO Jin, ZHANG Jun
Study on the Curing Process of HTPB/IPDI Binder System under Different Catalysts Conditions
- 366 LIU Zhi-lin, YAO Wen-jin, WANG Xiao-ming,
LI Wen-bin, GAO Xiang
Effect of Short Carbon Fibers on Mechanical Properties of AP/HTPB Base Bleed Propellant
- 372 QIANG Hong-fu, ZHANG Lin-tao, CHEN Fu-zhen,
LIU Hu, SHI Chao
Simulation on Single Gelled Fuel Droplet's Micro Explosion Process Based on SPH Method with Fully Variable Smoothing Lengths
- 379 LIU Cheng-hao, FENG Feng
Constitutive Equation of Paste Propellant Based on Bagley Correction

Articles

- 384 SONG Qing-guan, GAO Da-yuan, ZHENG Bao-hui,
LI Jing-ming, CAO Wei, CAO Luo-xia,
WEN Shang-gang, TAN Kai-yuan
Preparation and Characterization of Metalized Explosive Containing B and Al Powder
- 391 ZHANG Jun-jun, SHEN Cheng, WANG Peng-cheng,
LU Ming
Synthesis and Property Prediction of *N*-(1,4,6-trinitrohexahydroimid-azo[4,5-d]imidazole-2(1*H*)-ylidene) nitramide
- 396 SUN Ya-lun, LIU Lu, REN Hui, JIAO Qing-jie
Effect of Zirconium Powder on Thermal Decomposition of $KClO_4$
- 403 LIN Xiang-yang, SHAO Shan, LI Han, SUN Yi-long,
ZHENG Wen-fang, PAN Ren-ming
Structure Controlling of Nitrocellulose Base Ball Propellant with Micro-pores
- 409 XU Cheng, ZHANG Min, ZHAO Juan, BI Fu-qiang,
WANG Ke-yong, ZHU Yan-long, CUI Rong,
GE Zhong-xue
Influence of Recrystallization Process on the Thermal Properties and Mechanical Sensitivity of Dihydroxylammonium 5,5'-Bistetrazole-1,1'-diolate (HATO)
- 413 SONG Liang, CHEN Li-zhen, CAO Duan-lin,
WANG Jian-long
Salt Formation Mechanism of Urotropine by On-line Infrared Spectroscopy
- 422 ZHOU Xiao-yu, YANG Xue-mei, WEI Xing-wen,
WANG Pei
The Simulation of Thermal Conductivity Coefficient of TATB-based PBX Using the Interface Thermal Resistance Model

Review

- 428 ZHANG Bin, CHU En-yi, REI Wei, WANG Ke-xuan,
LI Hui, YIN Ming
Research Progress in Energy Conversion Components for MEMS Initiating Explosive Device

Letters

- 437 YIN Xin, MA Qing, WANG Jun, WANG Shu-min
Crystal Structure and Property Prediction of 1-Trinitromethyl-3-nitro-1,2,4-triazole