- \* 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 收录期刊

# 健顺號含

### CHINESE JOURNAL OF ENERGETIC MATERIALS

### **目** 次 第 23 卷 第 11 期 2015 年 11 月 25 日

	含能快递	(1037
	观点	
	高能材料微观理论研究中的分与合	(1038
	高效毁伤技术	
	复合装药偏心起爆条件下波形扫描实验研究	(104
	RDX 基钛氢复合炸药空中爆炸性能	(104
	一种弹药 PBX 装药的贮存老化机理及安全性 尹俊婷, 罗颖格, 陈智群, 刘 扬	(105
	锥形多股火药燃气射流与液体工质相互作用的实验研究 赵嘉俊,余永刚	(105
	爆炸抛撒过程中 FAE 云雾的运动特性	(106
	聚能射流对带壳浇注 PBX 装药的撞击响应 王利侠, 谷鸡平, 丁 刚, 刘丰旺, 孙兴昀	(106
	颗粒固结发射药作随行装药的应用研究 梁泰鑫, 肖忠良, 吕秉峰, 马忠亮, 代淑兰	(107
,	次位自有及加到FD20100000000000000000000000000000000000	(10)
i	研究论文	
	N-羟甲基叔胺的乙酰解反应及其在 DAPT 合成 TAT 反应机理中的应用	(107
	纳米 ε-CL-20/Estane 制备与表征 冀 威, 李小东, 王晶禹, 安崇伟	(108
	双呋咱并[3,4-b: 3',4'-f]氧化呋咱并[3",4"-d]氮杂环庚三烯及衍生物的合成和表征 ·····························	
		(108
	1-氨基-3-硝基-5-(5-氨基-3-硝基-1,2,4-三唑-1-基)-1,2,4-三唑的合成及性能	
		(109
Ī	两种新型 1-取代的 5-氨基四唑含能衍生物的合成及性能	(109
	超细 CL-20/TNT 共晶炸药的喷雾干燥制备与表征	(110
	溶剂浸析法制备硝化棉基微孔球形药 王 萍,张 磊,蔺向阳,郑文芳	(110
	药柱燃速对底排工作过程及底排弹射程影响的数值模拟 骆晓臣, 姚文进, 徐文科, 卓长飞, 武晓松, 封 锋	(111
	石墨对 TATB 基 PBX 导热性能的影响	(
		(11
	GAP/CL-20 基混合炸药药浆的流变性	(112
	飞行器火工品加速贮存寿命试验与评估方法	(113
	流动状态下铝粉爆炸过程的数值模拟	(113
	盐酸羟胺和 N-甲基羟胺盐酸盐的自催化分解特性	(114
	血酸左放物 13-中季在放血酸盐的白催化力解行住	(114
•	CL 20 农田风州的及社明儿	(112
	研究快报	
7	WI JU IN IX	
	嵌离子对3,7-二硝基-1,3,5,7-四氮杂双环[3.3.1]壬烷(DPT)硝解反应影响(英)	

### ➡ 读者・作者・编者

《含能材料》"观点"征稿(1045) 《含能材料》损伤与点火专栏征稿(1045)

# CHINESE JOURNAL OF ENERGETIC MATERIALS

### Monthly

CO	NTENTS Vol. 23, No. 11, 25 Nove	ember, 2015
1037	Energetic Express	Separation and Combination in the Microscopic Theoretical Studies of Energetic
	Prospective	orgetic
1038	XIAO He-ming, ZHU Wei-hua, XIAO Ji-jun, WANG Gui-xiang	Separation and Combination in the Microscopic Theoretical Studies of Energetic Materials
	Efficient destruction	
1041	WANG Hui, SHEN Fei, TIAN Qing-zheng, REN Xin-lian, YUAN Jian-fei	Wave Scanning Experiment of Composite Charge under Eccentric Initiation
1046	XUE Bing, MA Hong-hao, CHEN Wei, SHEN Zhao-wu	Air Explosion Property of RDX-based Titanium Hydride Composite Explosive
1051	YIN Jun-ting, LUO Ying-ge, CHEN Zhi-qun, LIU Yang	Storage Aging Mechanism and Safety of Certain Ammunition PBX Charge
1055	ZHAO Jia-jun, YU Yong-gang	Interaction between Cone-shaped Multiple Combustion Gas Jets and Liquid
1061	FANG Wei, ZHAO Sheng-xiang, LI Wen-xiang, JIA Xian-zhen, YAO Li-na	Movement Characteristics of Fuel-air Explosive ( $\ensuremath{FAE}\xspace$ ) Clouds in the Explosion Dispersal Process
1067	WANG Li-xia, GU Hong-ping, DING Gang, LIU Feng-wang, SUN Xing-yun	Reaction Characteristics for Shelled Cast-cured PBX Explosive Impacted by Shaped Charge Jet
1073	LIANG Tai-xin, XIAO Zhong-liang, Lü Bing-feng, MA Zhong-liang, DAI Shu-lan	Applied Study on the Grain Consolidation Propellant as Traveling Charge
	MA Zhong-liang, DAI Shu-lan  Articles	

1079	ZOU Po, WAN Zi-juan, LUO Jun	Acetolysis of <i>N</i> -hydroxymethyl Tertiary Amines and its Application in the Reaction of TAT from DAPT
1084	JI Wei, LI Xiao-dong, WANG Jing-yu, AN Chong-wei	Preparation and Characterization of Nano- $arepsilon$ -CL-20/Estane Explosive
1089	XIA Cheng-bo, ZHENG Chun-mei, ZHANG Tao, XU Li-wen, WEI Wen-jie, WANG Feng-yun, LEI Wu, XIA Ming-zhu	Synthesis and Characterization of 7H-Difurazano [ $3$ , $4$ - $b$ : $3'$ , $4'$ - $f$ ] furoxano [ $3''$ , $4''$ - $d$ ] azepine and Derivatives
1095	YI Qian-hong, HUANG Ming, TAN Bi-sheng, HE Yun, QU Yan-yang, LIU Yu-cun	Synthesis and Performance of 1-Amino-3-nitro-5-(5-amino-3- ntiro-1 ,2 ,4-triazole-1-yl)-1,2,4-triazole
1099	ZHAO Kun, LIU Zu-liang, MA Cong-ming	Synthesis and Performance of Two New 1-Substituted 5-Aminotetrazole Energetic Derivatives

### www.energetic-materials.org.cn

## CHINESE JOURNAL OF ENERGETIC MATERIALS

**CONTENTS** 

Vol. 23, No. 11, 25 November, 2015

WANG Jing-yu, LI He-qun, AN Chong-wei, GUO Wen-jian  Preparation and Characterization of Ultrafine CL-20/TNT Cocrys Spray Drying Method  WANG Ping, ZHANG Lei, LIN Xiang-yang, Preparation of Nitrocellulose-based Micro-pores Spherical Pow	wder by Solvent
1107	,
ZHENG Wen-fang  Leaching Method	
LUO Xiao-cheng, YAO Wen-jin, XU Wen-ke, ZHUO Chang-fei, WU Xiao-song, FENG Feng  Numerical Investigation on the Effect of Combustion Rate of Prope eration Process and Firing Range of the Base Bleed Projectile	ellant on the Op-
LIN Cong-mei, LIU Jia-hui, HE Guan-song, GONG Fei-yan, HUANG Zhong, JIANG Yue-qiang, PAN Li-ping, ZHANG Jian-hu, LIU Shi-jun  Effect of Graphite on Thermal Conduction Properties of TATB Bonded Explosives	B-based Polymer
WEI Yan-ju, WANG Jing-yu, AN Chong-wei, LI He-qun  WEI Yan-ju, WANG Jing-yu, AN Chong-wei, Rheological Behavior of GAP/CL-20 based Composite Explosives S	Slurry
THAO Chang-jian, HONG Dong-pao, GUAN Fei, Accelerated Storage Life Test and Assessment Method for Explosive on Aircraft	ive Initiator used
SHEN Shi-lei, ZHANG Qi, CHEN Jia-chen, MA Qiu-ju, LI Dong, YAN Hua  Simulation of Aluminum Dust Explosion under Flow State	
1140 YAN Jiao-jiao, CHEN Li-ping, CHEN Wang-hua, Lü Jia-yu, LI Han, CHEN Ying-ying  Autocatalytic Decomposition of Hydroxylamine Hydrochloride and droxylamine Hydrochloride	nd N-methyl Hy-
1147 MA Ru-yi, YIN Hong-quan, ZHANG Yan-wen, LI Ming, LIU Chun-zhu, WU Yu-kai  Treatment of the Waste Solvents from CL-20 Recrystallization	
Letters	
C/	
HUANG Xiao-chuan, YU Tao, QIU Shao-jun, GUO Tao, TANG Wang, GE Zhong-xue, MENG Zi-hui, XU Zhi-bin  HUANG Xiao-chuan, YU Tao, QIU Shao-jun, GUO Influence of Ammonium Ion on Nitrolysis of 3,7-Dinitro-1,3,5,7  [3,3,1] nonane (DPT)	7-tetraazabicyclo

www.energetic-materia