

## 《含能材料》1994年(第2卷)总目次

### 第1期

- 非限定药柱实验热爆炸研究..... 楚士晋 郭明朝 冯长根 何光斌 (1)  
梯黑药柱的改性研究..... 王永川 唐兴民 (7)  
5-氨基-7-苦胺基-4,6-二硝基苯并氧化呋咱的合成.....  
..... 王乃兴 陈博仁 欧育湘 陈建军 (12)  
ESTIMATION OF DENSITY AND DETONATION VELOCITY OF  
TETRAZOLE Co(Ⅲ) COMPLEXES .....  
..... Ilushin M A Smirnov A V Kotomin A A Tselynsky I V (16)  
新型含能材料的燃烧转爆轰 ..... 夏秋 (21)  
钝感高能炸药 JB-9001 冲击 Hugoniot 关系测试 .....  
..... 于川 池家春 刘文翰 李忠良 杨淑英 (25)  
炸药部件无损检测综述 ..... 温茂萍 田勇 游开兴 (31)  
钝感高能炸药撞击感度测试方法的探讨 ..... 胡庆贤 吕子剑 (39)  
对炸药分子设计的一点看法 ..... 王乃兴 (45)  
评介《硝基化合物的分子轨道理论》 ..... 陈博仁 (47)  
征稿启事 ..... (48)

### 第2期

- $\alpha$ -Pb(N<sub>3</sub>)<sub>2</sub> 热分解和热爆炸机理的实验与论证 ..... 劳允亮 李振煜 (1)  
绝热型爆轰热量计的建立和高能炸药的爆热测定 ..... 俞统昌 严孟超 王建灵 (7)  
硝基甲烷和氧的气态混合物爆燃及爆轰特性研究 .....  
..... 胡株 王永国 卢洪斌 孙珠妹 (13)  
含能材料的一种非等温反应动力学处理方法 ..... 张同来 胡荣祖 李福平 (19)  
DDT-抑制剂对 PU-RDX 在撞击作用下爆炸反应传播的影响 .....  
..... 金韶华 李文 松全才 王文彬 (26)  
两步法合成六硝基茋中溶剂对反应的影响 ..... 陆明 (31)  
多孔 TNT 炸药中热点形成的粘塑性塌缩机理 .....  
..... 张振宇 洪石 卢芳云 朱文辉 (36)  
单电子转移和硝化反应 ..... 王乃兴 李纪生 (43)

### 第3期

- 含能材料的燃烧转爆轰研究 ..... 孙锦山 (1)  
复合催化剂热分解特性与平台推进剂催化燃烧性能关系的初探 .....  
..... 杨株 李上文 宋洪昌 (13)

- 烟火型排气剂的减阻增程效应 ..... 潘功配 郝建春 (20)  
2,6-二苦胺基-3,5-二硝基吡啶的新法合成探讨 ..... 王乃兴 李纪生 (25)  
二叠氮季戊二醇二硝酸酯的研究 ..... 王平 李顺秀 黄悦 李常青 (29)  
黑索今用阻燃剂的热分解唯象动力学 ..... 金韶华 松全才 解志光 (36)  
用差示扫描量热法研究含能材料与聚乙烯醇缩丁醛的相容性 ..... 张孝仪 (40)  
BTF炸药的高效液相色谱分析 ..... 莱叶明 张永吉 杨雪娟 (45)

## 第4期

- 圆柱形药柱热爆炸临界参数的估算 ..... 秦承森 (1)  
RDX含量对NC-DBP-RDX体系流变性和弹性效应的影响 .....  
..... 周建栋 崔永鲜 陈少镇 戴健吾 (7)  
无梯岩石铵脲炸药研究 .....  
..... 肖海权 王国良 杜风沛 贡桂红 范时俊 王进 张正杰 张林鹏 (12)  
CP、RDX和Pb(N<sub>3</sub>)<sub>2</sub>热分解及爆轰特征的对比研究 ..... 耿俊峰 劳允亮 (20)  
乙酰苯胺选择性硝化及影响因素的分析 ..... 金铁柱 吕春绪 国振双 顾建良 (26)  
升降法测定工业粉状炸药临界落高的实验研究 ..... 丁云 (31)  
X射线法测定药柱的残余应力 ..... 王守道 (35)  
C<sub>60</sub>的研究进展及其在含能材料方面的应用前景 ..... 王乃兴 李纪生 (40)  
1994年(第2卷)总目次 ..... (44)

## ANNUAL CUMULATIVE CONTENTS OF ENERGETIC MATERIALS ( VOL. 2. 1994)

**No. 1**

Study on experimental thermal explosion of cylindric PBX charges in unconfined system .....	Chu Shijin Guo Mingchao Feng Changgen He Guangbin (1)
Study on modification of cast TNT-RDX charges .....	Wang Yongchuan Tang Xingmin (7)
Synthesis of 5-amino-7-picrylamino-4,6-dinitrobenzofuroxan .....	Wang Naixing Chen Boren Ou Yuxiang Li Jianjun (12)
Estimation of density and detonation velocity of tetrazole Co(Ⅲ) complexes .....	Ilushin M A Smirnov A V Kotomin A A Tselinsky I V (16)
Combustion to detonation transition of new energetic materials .....	Xia Qiu (21)
Determination of shock Hugoniot of insensitive high explosive JB-9001 .....	Yu Chuan Chi Jiachun Liu Wenhan Li Liangzhong Yang Shuying (25)
A review for non-destructive testing of explosive parts .....	Wen Maoping Tian Yong You Kaixing (31)
Study on test method for impact sensitivity of insensitive high explosives .....	Hu Qingxian Lü Zijian (39)
Viewpoints on design of explosive molecules .....	Wang Naixing (45)
Review on «molecular orbit theory of nitrocompounds» .....	Chen Boren (47)
Notice on calling for papers .....	(48)

**No. 2**

Verification of mechanism for thermal decomposition and thermal explosion of $\alpha$ -Pb(N <sub>3</sub> ) <sub>2</sub> .....	Lao Yunliang Li Zhenyu (1)
An adiabatic detonation calorimeter and determination of detonation heat for high explosives .....	Yu Tongchang Yin Mengchao Wang Jianling (7)
Study on deflagration and detonation for gaseous mixture of nitromethane and oxygen .....	Hu Dong Wang Yongguo Lu Hongbin Sun Zhumei (13)

A treatment method of non-isothermal reaction kinetics for energetic materials .....	Zhang Tonglai Hu Rongzu Li Fuping (19)
The influence of DDT-inhibitor upon the propagation of explosion reaction of PU-RDX under impact .....	Jin Shaohua Li Wen Song Quancai Wang Wenbin (26)
Solvent effect on the reaction in two-step synthesis of hexantrostilbene .....	Lu Ming (31)
Viscoplastic collapse mechanism of hot-spot formation in porous TNT explosives .....	Zhang Zhenyu Huan Shi Lu Fangyun Zhu Wenhui (36)
Single electron transfer and nitration reaction ...	Wang Naixing Li Jisheng (43)

**No. 3**

Studies of deflagration-to-detonation transition in energetic materials .....	Sun Jinshan (1)
A primary investigation of the relationship between thermal decomposition of composite catalyst and combustion behaviour of plateau propellant .....	Yang Dong Li Shangwen Song Hongchang (13)
Effect of pyrotechnic bleed on base drag reduction and range increase .....	Pan Gongpei Hao Jianchun (20)
A new method of synthesizing 2,6-bis(picrylamino)-3,5-dinitropyridine .....	Wang Naixing Li Jisheng (25)
Investigation of pentaerythritol diazido dinitrate .....	Wang Ping Li Shunxiu Huang Yue Li Changqing (29)
Formal thermo-decomposition kinetics of some flame retardants used for RDX .....	Jin Shaohua Song Quancai Xie Zhiguang (36)
A study on compatibility of some energetic materials with PVB by differential scanning calorimetry .....	Zhang Xiaoyi (40)
BTB analysis by using high performance liquid chromatography ...	Liang Yeming Zhang Yongji Yang Xuejuan (45)

**No. 4**

Critical parameter estimation of thermal explosion for cylindric charges .....	Qin Chengsen (1)
RDX content influence on the rheologic behavior and elastic effect of NC-DBP-RDX system .....	Zhou Jiandong Cui Yongxian Chen Shaozhen Dai Jianwu (7)

- Investigation of non-TNT rock explosive based on nitrates of urea and ammonium ..... Yin Haiquan Wang Guoliang Du Fengpei Gong Guihong  
 Fan Shijun Wang Jin Zhang Zhengjie Zhang Linpeng (12)
- A comparative study on the thermal decomposition and detonation behaviors of CP, RDX, and Pb(N<sub>3</sub>)<sub>2</sub> ..... Geng Junfeng Lao Yunliang (20)
- Selective nitration of acetanilide and the influence factor analysis thereon ..... Jin Tiezhu Lü Chunxu Guo Zhenshuang Gu Jianliang (26)
- Experimental investigation on determining critical drop height of industrial powdered explosive by using up-and-down method ...  
 ..... Ding Yun (31)
- X-Ray method of residual stress measurement in explosive charges ..... Wang Shoudao (35)
- Application prospect of C<sub>60</sub> in energetic materials ..... Wang Naixing Li Jisheng (40)
- Annual contents (Vol. 2.) 1994 ..... (44)

### 向审稿者致谢

1994年1~12月,承蒙各界许多同志帮助审阅了大量稿件,使得本刊得以顺利出版发行,为此,本编辑部特向以下各位审稿者(按汉语拼音为序)致谢!

白木兰 蔡丙源 陈博仁 楚士晋 邓聚龙 丁叔瀛 董海山 冯长根  
 花平环 淳石 胡庆贤 胡荣祖 贾展宁 劳允亮 李常青 李上文  
 李伟民 刘裕乃 吕春绪 罗顺火 欧育湘 秦承森 邱甬生 松全才  
 孙承纬 孙荣康 汤明钧 涂永珍 王泽山 卫玉章 魏运洋 谢高第  
 徐康 俞统昌 云主惠 张金城 张俊哲 张炜 郑孟菊 朱春华  
 朱森元