

研究论文

- 非线性等转化率的微、积分法及其在含能材料物理化学研究中的应用—II. TNMA、BTNEDA 和 TNETB 的热分解 松全才, 胡荣祖, 赵凤起, 高红旭, 董海山 (193)
N-甲基-2-(3-硝基苯基)吡咯烷[3',4':1,2][60]富勒烯的合成与性能研究 金波, 彭汝芳, 舒远杰, 黄毅民, 王蓉, 楚士晋 (196)
超细 PYX 的制备和性能测试 王保国, 张景林, 陈亚芳 (198)
笼形八(二硝基苯基)硅倍半氧烷的合成及性能研究 杜建科, 高钧驰, 杨荣杰 (201)
二硝基吡唑并吡唑(DNPP)合成工艺研究 罗义芬, 葛忠学, 王伯周, 张海昊, 刘愆 (205)
 $\text{KNO}_3/\text{C}_6\text{H}_5\text{NO}_3/\text{NC}$ 点火药研究 崔庆忠, 焦清介, 任慧, 杨荣杰 (209)
BNCP 超细粒子的制备和表征 郁卫飞, 曾贵玉, 商遥, 李金山, 聂福德, 张启荣, 程碧波, 尹强 (214)
BNCP 粒度对固体激光起爆感度和延期时间的影响 陈利魁, 盛涤伦, 马凤娥, 朱雅红, 杨斌, 张裕峰 (217)
RDX 粒度对改性双基推进剂性能影响 焦清介, 李江存, 任慧, 王丽霞, 张丽荣 (220)
碳酰肼的溶解度、溶解焓及其在溶剂中的溶解反应 杨利, 裴琴, 曹允玲, 张同来, 何伟 (224)
2,4,6-三硝基-1,3,5-苯三酚钠盐的比热容(英) 李玲慧, 张同来, 张建国, 孙翠娜 (228)
硼氢化钠(NaBH_4)在燃烧剂中的应用研究 贵大勇, 刘吉平, 代兰 (231)
JMZ 发射药力学性能研究 徐皖育, 何卫东, 王泽山 (235)
发射药能量与做功能力之间的关系 黄振亚, 力小安 (240)
压缩刚度法评价含能晶体颗粒的凝聚强度 李明, 温茂萍, 黄明, 徐瑞娟, 李洪珍, 徐容 (244)
高速杆式弹丸初步研究 李成兵, 沈兆武, 裴明敬 (248)
半穿甲弹丸在复合靶中爆炸破坏效应的实验研究 周宁, 任辉启, 沈兆武, 刘瑞朝 (253)
穿孔球缺罩形成杆式射流数值模拟研究 曾必强, 姜春兰, 王在成 (257)
正十二烷氧化活化能的简易测定方法 余彩香, 米镇涛, 张香文 (261)
杀爆战斗部破片对地面目标杀伤概率的工程算法 汪德武, 李卫平 (265)
Washburn 薄层毛细渗透法测定 ϵ 晶型 CL-20 的表面能及其分量 杜美娜, 罗运军, 李国平 (269)
数字图像处理技术在火焰测试中的应用 张硕, 王宁飞, 张平 (273)
旋转填料床——氢氧化钠法治理火炸药行业氮氧化物尾气的研究 李鹏, 刘有智, 李裕, 刁金祥, 康荣灿, 焦纬洲 (277)
旋转填料床中 $\text{O}_3/\text{H}_2\text{O}_2$ 法处理 TNT 红水 刁金祥, 刘有智, 王贺, 李鹏, 康荣灿, 孟晓丽 (281)
超临界水氧化处理 TNT 炸药废水的研究 常双君, 刘玉存 (285)
钝感高能材料 N-脒基脲二硝酰胺盐的研究进展 雷永鹏, 阳世清, 徐松林, 张彤 (289)

研究快报

- 液体发烟剂的抗红外性能研究(英) 周遵宁, 燕飞, 崔玉玲, 刘卫强, 梅清和 (294)
一种钝化 HMX 的性能(英) 徐瑞娟, 康彬, 黄辉, 姜燕, 李金山 (295)

读者·作者·编者

- 第十届捷克含能材料新趋势国际研讨会召开(216) 《含能材料》征订启事(239) 第八届全国爆炸力学学术会议(276)
《含能材料》2006 年第 6 期被 EI 收录论文(288) 《含能材料》征稿启事(VIII)

CHINESE JOURNAL OF ENERGETIC MATERIALS

CONTENTS Vol. 15, No. 3, 2007

Differential and Integral Isoconversional Non-linear Methods and Their Application in Physical Chemistry Study of Energetic Materials— II . Thermal Decomposition of TNMA, BTNEDA and TNETB	SONG Quan-cai, HU Rong-zu, ZHAO Feng-qi, GAO Hong-xu, DONG Hai-shan (193)
Study on the Synthesis and Properties of <i>N</i> -Methyl-2-(3-nitrophenyl) Fullerenopyrrolidine	JIN Bo, PENG Ru-fang, SHU Yuan-jie, HUANG Yi-ming, WANG Rong, CHU Shi-jin (196)
Preparation and Performance Testing of Ultra-fine PYX	WANG Bao-guo, ZHANG Jing-lin, CHEN YA-fang (198)
Study on Synthesis and Performances of Polyhedral Octa-(dinitrophenyl) Silsesquioxane	DU Jian-ke, GAO Jun-chi, YANG Rong-jie (201)
Synthetic Improvement of DNPP	LUO Yi-fen, GE Zhong-xue, WANG Bo-zhou, ZHANG Hai-hao, LIU Qian (205)
Study on $\text{KNO}_3/\text{C}_6\text{H}_5\text{NO}_3/\text{NC}$ Type Composition	CUI Qing-zhong, JIAO Qing-jie, REN Hui, YANG Rong-jie (209)
Preparation and Characterization of BNCP Superfine Particles	YU Wei-fei, ZENG Gui-yu, SHANG Yao, LI Jin-shan, NIE Fu-de, ZHANG Qi-rong, CHENG Bi-bo, YIN Qiang (214)
Effects of Particle Size of BNCP on the Laser Initiation Sensitivity and Delay Time	CHEN Li-kui, SHENG Di-lun, MA Feng-e, ZHU Ya-hong, YANG Bing, ZHANG Yu-feng (217)
Effect of RDX Particle Size on Properties of CMDB Propellant	JIAO Qing-jie, LI Jiang-cun, REN Hui, Wang Li-xia, ZHANG Li-rong (220)
Solubility, Enthalpies of Dissolution and Thermokinetics of the Dissolution Reaction in Solvent of Carbohydrazide	YANG Li, PEI Qin, CAO Yun-ling, ZHANG Tong-lai, HE Wei (224)
Specific Heat Capacity of Sodium Salts of 2,4,6-Trinitro-1,3,5-trihydroxybenzene	LI Ling-hui, ZHANG Tong-lai, ZHANG Jian-guo, SUN Cui-na (228)
Application of Sodium Borohydride(NaBH_4) in Incendiary Agent	GUI Da-yong, LIU Ji-ping, DAI Lan (231)
Mechanical Properties of JMZ Gun Propellants	XU Wan-yu, HE Wei-dong, WANG Ze-shan (235)
Relationship between Energy and Power Capability of Propellant	HUANG Zhen-ya, LI Xiao-an (240)
Evaluation of Coherence Strength of Energetic Crystalline Granules by Compressive Stiffness Method	LI Ming, WEN Mao-ping, HUANG Ming, XU Rui-juan, LI Hong-zhen, XU Rong (244)
Preliminary Study of High Velocity Rod-Shaped Projectile	LI Cheng-bing, SHEN Zhao-wu, PEI Ming-jing (248)
Experimental Study on the Damage Effect of Semi-armour-piercing Projectile Blasting in Multi-layer Targets	ZHOU Ning, REN Hui-qi, SHEN Zhao-wu, LIU Rui-zhao (253)
Numerical Simulation of Jet Formation to Hemispherical Liner with Hole	ZENG Bi-qiang, JIANG Chun-lan, WANG Zai-cheng (257)
Simple Method of Measuring Oxidation Activation Energy of <i>n</i> -Dodecane	YU Cai-xiang, MI Zhen-tao, ZHANG Xiang-wen (261)
Engineering Calculation Method for the Lethal Probability of Blast-fragmentation Warhead	WANG De-wu, LI Wei-ping (265)
Determination of Surface Free Energy Components of ϵ -CL-20 by Thin-Layer Wicking Technique	DU Mei-na, LUO Yun-jun, LI Guo-ping (269)
Digital Image Processing Technique to Test the Solid Rocket Plume	ZHANG Shuo, WANG Ning-fei, ZHANG Ping (273)
Research on Treatment of Nitrogen Oxides in Explosive Industry by Rotating Packed Bed with NaOH Solution	LI Peng, LIU You-zhi, LI Yu, DIAO Jin-xiang, KANG Rong-can, JIAO Wei-zhou (277)
$\text{O}_3/\text{H}_2\text{O}_2$ Oxidative Treatment of TNT Red-Water in a Rotating Packed Bed	DIAO Jin-xiang, LIU You-zhi, WANG He, LI Peng, KANG Rong-can, MENG Xiao-li (281)
Treatment of TNT Wastewater by Supercritical Water Oxidation	CHANG Shuang-jun, LIU Yu-cun (285)
Progress in Insensitive High Energetic Materials <i>N</i> -Guanylurea-dinitramide	LEI Yong-peng, YANG Shi-qing, XU Song-lin, ZHANG Tong (289)
Study on the Anti-infrared Performance of Liquid Smoke Composition	ZHOU Zun-ning, YAN Fei, CUI Yu-ling, LIU Wei-qiang, MEI Qing-he (294)
Properties of Insensitive Octogen	XU Rui-juan, KANG Bin, HUANG Hui, JIANG Yan, LI Jin-shan (295)