

目 次 第 17 卷 第 3 期 2009 年 6 月

研究论文

- 高聚物黏结炸药 JH-94 和 JO-96 撞击感度特性落高的估算
..... 胡荣祖, 赵凤起, 高红旭, 张海, 赵宏安, 王喜军, 张晓亮, 冯煜, 马海霞 (251)
碳酰肼异构体及其晶体的密度泛函理论研究 黄辉胜, 张建国, 张同来, 王丽琼 (255)
叠氮二乙基铝和镓多聚体结构和性质的密度泛函理论研究(英) 夏其英, 马登学, 杨吉民 (260)
化学交联网对少烟 NEPE 推进剂力学性能的影响 张伟, 樊学忠, 谢五喜, 张腊莹, 杨彩宁, 陈永锋, 蔚红建 (265)
HTPB 推进剂填料/基体界面粘结性能老化特性研究 张兴高, 张炜, 芦伟, 王春华 (269)
不同键合剂与 RDX 表界面作用 李江存, 焦清介, 任慧, 胡晓春, 李恩重 (274)
纳米 CoFe₂O₄ 的制备及对 AP 热分解的催化 吴秉衡, 胡双启 (278)
AP/HTPB/ferrocene 混合体系粉尘爆炸特性研究 郁红陶, 张庆明, 何远航 (283)
硝基富勒烯吡咯烷衍生物的合成与结构表征(英) 金波, 彭汝芳, 谭碧生, 黄毅民, 舒远杰, 楚士晋, 傅依备 (287)
4-氨基-3,5-二硝基基吡唑(LLM-116)缩合物的合成与表征 王伯周, 汪营磊, 张志忠, 熊存良, 张叶高 (293)
2,6-二氨基-3,5-二硝基吡啶及其氮氧化物的氧化胺化反应 成健, 周新利, 乔珍, 姚其正, 刘祖亮 (296)
包覆对新型炸药 2,6-二氨基-3,5-二硝基吡啶-1-氧化物某些性能的影响 何志伟, 高大元, 方东, 刘祖亮 (299)
N₂O₅ 在硝化甘油合成中的应用 王庆法, 石飞, 张香文, 王莅, 米镇涛 (304)
PBX 切屑的细观特征及形成机理研究 唐维, 李明, 闫斌, 赵永忠, 张丘, 刘维, 赵小东 (307)
超细钝感 HMX 小尺寸弯曲装药爆速亏损研究 李晓刚, 温玉全, 焦清介, 贾宁博 (312)
炸药爆炸残留物颗粒飞散分布规律的简化模型分析 易建坤, 艾云平, 言克斌 (317)
侵彻过程冲击载荷对装药损伤实验研究 陈文, 张庆明, 胡晓东, 白润青 (321)
金属爆炸焊接用低爆速膨化铵油炸药实验研究 王勇, 张越举, 赵恩军, 刘昕, 陈磊, 阎钧 (326)
高性能黏合剂中间体纤维素甘油醚取代度的测定 邵自强, 张有德, 吴嫚丽, 王文俊 (330)
新型含能纤维可燃药简性能研究 李煜, 郭德惠, 赵成文, 周伟良, 徐复铭 (334)
不同先验信息下 D-优化法的估值精度及其适用性 付东晓, 张蕊, 李芳, 谢高第, 徐奉一 (339)
半导体桥生成等离子体温度的测量 张文超, 王文, 周彬, 秦志春, 张琳, 叶家海, 田桂蓉 (344)
半导体桥上尖角、圆孔对其电爆性能的影响(英) 周彬, 毛国强, 秦志春, 祁逢春, 徐振相, 陈飞, 张文超 (349)
均匀设计法在赤磷发烟剂红外消光性能中的应用 周明善, 徐铭, 沈瑞琪, 闵军, 李澄俊 (353)
化学微推冲阵列传热过程数值模拟 刘建, 叶迎华, 沈瑞琪, 胡艳 (357)
基于神经网络的传爆药废水 COD 去除率预测研究 刘玉存, 于国强, 王少华, 常双君 (361)
UV-Fenton 方法处理偏二甲肼废水 贾瑛, 李毅, 张秋禹 (365)
同位素示踪法在 HMX 合成机理及降解产物鉴定中应用的进展 李清霞, 王鹏, 孟子晖, 孟文君, 娄忠良, 宋红燕 (369)
咪唑类含能化合物的研究进展 杨利, 高福磊, 凡庆涛, 张同来 (374)

研究快报

- 紫外光固化有机硅胶粘剂的制备与性能 周元林, 杨文彬, 乔秀芬 (380)

读者·作者·编者

《含能材料》成为中国科学引文数据库核心库(2009-2010年)来源期刊(254) 《含能材料》进入 Elsevier 重要数据库 SCOPUS(264)

《含能材料》编辑部开通远程稿件处理系统(316) 中国化学会第四届全国化学推进剂学术交流会征稿通知(356)

Arrhenius 方程应用仍须澄清的问题(IX) 《含能材料》2008 年第 3 期被 EI 收录论文(X)

CHINESE JOURNAL OF ENERGETIC MATERIALS

CONTENTS Vol. 17, No. 3, 2009

The Estimation of Characteristic Drop Heights of Impact Sensitivity for Polymer Bonded Explosives JH-94 and JO-96	HU Rong-zu, ZHAO Feng-qi, GAO Hong-xu, ZHANG Hai, ZHAO Hong-an, WANG Xi-jun, ZHANG Xian-liang, FENG Yu, MA Hai-xia (251)
Study on the Isomers and Crystal of Carbohydrazide by Density Functional Theory	HUANG Hui-sheng, ZHANG Jian-guo, ZHANG Tong-lai, WANG Li-qiong (255)
Structure-properties of Diethylmetallic Azides Clusters of Aluminum and Gallium by DFT	XIA Qi-ying, MA Deng-xue, YANG Ji-min (260)
Effect of Crosslink Network on Mechanical Properties of NEPE Propellant with Low Smoke	ZHANG Wei, FAN Xue-zhong, XIE Wu-xi, ZHANG La-ying, YANG Cai-ning, CHEN Yong-duo, WEI Hong-jian (265)
Aging Characteristics of Interfacial Adhesive Property of Filler/Binder Matrix for HTPB Propellant	ZHANG Xing-gao, ZHANG Wei, LU Wei, WANG Chun-hua (269)
Interfacial Bonding between RDX and Bonding Agents	LI Jiang-cun, JIAO Qing-jie, REN Hui, HU Xiao-chun, LI En-zhong (274)
Preparation of CoFe ₂ O ₄ Nanoparticles and Their Effects on the Thermal Decomposition of AP	WU Bing-heng, HU Shuang-qi (278)
Characteristics of Dust Explosion of AP/HTPB/Ferrocene Mixed System	YU Hong-tao, ZHANG Qing-ming, HE Yuan-hang (283)
Synthesis and Characterization of Nitro Fulleroptyridine Derivatives	JIN Bo, PENG Ru-fang, TAN Bi-sheng, HUANG Yi-min, SHU Yuan-jie, CHU Shi-jin, FU Yi-bei (287)
Synthesis and Characterization of 4-Amino-3,5-dinitropyrazole (LLM-116) Condensation Products	WANG Bo-zhou, WANG Ying-lei, ZHANG Zhi-zhong, XIONG Cun-liang, ZHANG Ye-gao (293)
Oxidative Amination Reaction of 2,6-Diamino-3,5-dinitropyridine and its N-oxide	CHENG Jian, ZHOU Xin-li, QIAO Zhen, YAO Qi-zheng, LIU Zu-liang (296)
Effect of Coating on Some Properties of a New Explosive 2,6-Diamino-3,5-dinitropyridine-1-oxide	HE Zhi-wei, GAO Da-yuan, FANG Dong, LIU Zu-liang (299)
Synthesis of Nitroglycerin with N ₂ O ₅	WANG Qing-fa, SHI Fei, ZHANG Xiang-wen, WANG Li, MI Zhen-tao (304)
Microstructure and Formation Mechanism of PBX Chips	TANG Wei, LI Ming, YAN Bin, ZHAO Yong-zhong, ZHANG Qiu, LIU Wei, ZHAO Xiao-dong (307)
Detonation Velocity Deficits of Superfine Desensitized HMX Charged in Curve Limited Channel	LI Xiao-gang, WEN Yu-quan, JIAO Qing-jie, JIA Ning-bo (312)
A Simplified Theoretical Model on Scattering and Distribution of Explosive Residue of Solid Condensed Explosive	YI Jian-kun, AI Yun-ping, YAN Ke-bin (317)
Experimental Study on Damage to Explosive Charge by Impact Load in the Process of Penetration	CHEN Wen, ZHANG Qing-ming, HU Xiao-dong, BAI Run-qing (321)
Experimental Study on Low Detonation Velocity Expanding ANFO Explosive Used in Metal Explosive Welding	WANG Yong, ZHANG Yue-ju, ZHAO En-jun, LIU Xin, CHEN Lei, YAN Jun (326)
Quantitative Analysis of Molar Substitution of Cellulose Glycerol Ether as Intermediate of Energetic Binder	SHAO Zi-qiang, ZHANG You-de, WU Man-li, WANG Fei-jun (330)
Characterization of Combustible Cartridge Cases Enhanced by Novel Energetic Fibers	LI Yu, GUO De-hui, ZHAO Cheng-wen, ZHOU Wei-liang, XU Fu-ming (334)
Estimation and Its Applicability of D-Optimality-Based Sensitivity Test under Different Prior Information	FU Dong-xiao, ZHANG Rui, LI Fang, XIE Gao-di, XU Feng-ji (339)
Measurement of Semiconductor Bridge Plasma Temperature under Different Capacitances Using Spectroscopic Method	ZHANG Wen-chao, WANG Wen, ZHOU Bin, QIN Zhi-chun, ZHANG Lin, YE Jia-hai, TIAN Gui-rong (344)
Effect of V-type Angle and Hole of Semiconductor Bridge on Electro-explosive Performance	ZHOU Bin, MAO Guo-qiang, QIN Zhi-chun, ZHU Feng-chun, XU Zhen-xiang, CHEN Fei, ZHANG Wen-chao (349)
Application of Uniform Design in Infrared Extinction Performance of Red Phosphorus Smoke Agent	ZHOU Ming-shan, XU Ming, SHEN Rui-qi, MIN Jun, LI Cheng-jun (353)
Numerical Simulation of Array Heat Transfer of Chemical Microthruster	LIU Jian, YE Ying-hua, SHEN Rui-qi, HU Yan (357)
Elman Model in Prediction of COD Removal Rate of Booster Explosive Wastewater	LIU Yu-cun, YU Guo-qiang, WANG Shao-hua, CHANG Shuang-jun (361)
Degradation of Unsymmetricaldimethyl Hydrazine Wastewater by UV-Fenton Process	JIA Ying, LI Yi, ZHANG Qiu-yu (365)
Review on Application of Isotope Tracing Technique in the Investigation of Synthetic Mechanism and Biodegradation of HMX	LI Qing-xia, WANG Peng, MENG Zi-hui, MENG Wen-jun, LOU Zhong-liang, SONG Hong-yan (369)
Progress in Imidazolium-based Energetic Compounds	YANG Li, GAO Fu-lei, FAN Qing-tao, ZHANG Tong-lai (374)
Preparation and Properties of Silicone Adhesive for UV Curing	ZHOU Yuan-lin, YANG Wen-bin, QIAO Xiu-fen (380)