

含能材料

HANNENG CAILIAO

第 12 卷 第 3 期 2004 年 6 月

目次

研究论文

- 悬浮铝粉尘爆轰波参数 洪滔, 秦承森 (129)
- 液固复合云爆药剂爆炸特性的试验研究 陈璞, 刘家骢, 解立峰, 陈网桦, 彭金华, 胡毅亭 (134)
- 二羟丙基纤维素硝酸酯的合成及性能表征 邵自强, 王飞俊, 杨斐霏, 赵凤起, 谭惠民 (138)
- 硼铅丹延期药预点火反应机理研究 俞金良, 郝建春 (143)
- 六硝基六氮杂异伍兹烷包覆钝感的探索 金韶华, 于昭兴, 欧育湘, 陈树森, 松全才 (147)
- 高价值火工品可靠性增长评定方法研究 曹建华, 蔡瑞娇, 董海平 (151)

研究简报

- 3,6-双(1-氢-1,2,3,4-四唑-5-氨基)-1,2,4,5-四嗪的合成及其性能 岳守体, 阳世清 (155)
- The Thermal Decomposition Mechanism and the Quantum Chemical Calculation of $[\text{Mg}(\text{H}_2\text{O})_6](\text{NTO})_2 \cdot 2\text{H}_2\text{O}$
..... MA Hai-xia, SONG Ji-rong, XU Kang-zhen, HU Rong-zu, WEN Zhen-yi (158)
- 环保型彩色发烟剂的初步研究 宋志民, 赵家玉, 杜志明, 唐桂林, 米悦 (161)
- BTTN 与 NG 混合物的电喷雾电离质谱研究 张敏, 孙莉霞, 陈智群 (165)
- 硝酸羟胺(HAN)水凝胶性能研究 曲艳斌, 肖忠良 (168)
- CsNO_3 对组分为 $\text{KNO}_3\text{-Mg-Si-C}_{48}\text{H}_{42}\text{O}_7$ 近红外(0.7 ~ 1.1 μm)照明剂辐射强度的影响
..... 潘功配, 彭志明, 周遵宁, 关华 (171)
- JOB-9003 高聚物粘结炸药热冲击损伤破坏相关性研究 田勇, 张伟斌, 温茂萍, 杨占锋, 郝莹, 李敬明 (174)
- FTIR 光谱遥测固体火箭推进剂燃气辐射能 王宏, 李春迎, 张小玲 (178)
- 工业电雷管 $K\text{-I}$ 感度曲线解析 郝建春, 俞金良 (181)

综述与进展

- 固体推进剂用非铅燃速催化剂研究最新进展 宋秀铎, 赵凤起, 陈沛 (184)
- 多硝基立方烷研究进展 姬月萍, 王伯周, 张志忠, 刘愆, 朱春华 (189)

简讯

- 第二届全国隐身功能材料学术研讨会 (133)
- 2004 年全国含能材料发展与应用学术研讨会征文通知(第一轮) (142)
- 第五届中国功能材料及其应用学术会议(CN NCFMA'04) (150)
- 火工与烟火技术未来发展研讨暨《火工品》杂志百期庆祝会征文通知 (188)

ENERGETIC MATERIALS

Vol. 12, No. 3, 2004

CONTENTS

Articles

- Parameters of Detonation in Suspended Aluminum Dust HONG Tao, QIN Cheng-sen (129)
- Experimental Study on the Explosion Performance of SEFAE
..... CHEN Ying, LIU Jia-cong, XIE Li-feng, CHEN Wang-hua, PENG Jin-hua, HU Yi-ting (134)
- The Synthesis and Characterization of Nitric Acid Ester of Dihydroxypropyl Cellulose
..... SHAO Zi-qiang, WANG Fei-jun, YANG Fei-fei, ZHAO Feng-qi, TAN Hui-min (138)
- Pre-ignition Reaction Mechanism of B/Pb₃O₄ Delay Composition YU Jin-liang, HAO Jian-chun (143)
- Investigation of Coating-desensitization of Hexanitrohexaazaisowurtzitane (HNIW)
..... JIN Shao-hua, YU Zao-xing, OU Yu-xiang, CHEN Shu-sen, SONG Quan-cai (147)
- Study on Evaluation Method of Reliability Growth for High Cost Initiating Explosive Devices
..... CAO Jian-hua, CAI Rui-jiao, DONG Hai-ping (151)

Notes

- Synthesis and Properties of 3,6-bis(1H-1,2,3,4-tetrazol-5-yl-amino)-1,2,4,5-tetrazine
..... YUE Shou-ti, YANG Shi-qing (155)
- The Thermal Decomposition Mechanism and the Quantum Chemical Calculation of [Mg(H₂O)₆](NTO)₂ · 2H₂O
..... MA Hai-xia, SONG Ji-rong, XU Kang-zhen, HU Rong-zu, WEN Zhen-yi (158)
- Preliminary Study on Environment-friendly Colored Smoke
..... SONG Zhi-min, ZHAO Jia-yu, DU Zhi-ming, TANG Gui-lin, MI Yue (161)
- API-ESI-HPLC-MS Analysis of the Mixture of BTTN and NG ZHANG Min, SUN Li-xia, CHEN Zhi-qun (165)
- Study on Property of HAN Hydrogel QU Yan-bin, XIAO Zhong-liang (168)
- Influence of the CsNO₃ on the Radiant Intensity of the Near - infrared Illuminant (0.7 ~ 1.1 μm) Composed of
KNO₃-Mg-Si-C₄₈H₄₂O₇ PAN Gong-pei, PENG Zhi-ming, ZHOU Zun-ning, GUAN Hua (171)
- Research on Correlation of Thermal Shock Damage of PBX JOB-9003
..... TIAN Yong, ZHANG Wei-bin, WEN Mao-ping, YANG Zhan-feng, HAO Ying, LI Jing-ming (174)
- Determination of the Combustion Gas Radiance of Solid Rocket Propellant by Remote Fourier Transform
Infrared Spectroscopy WANG Hong, LI Chun-ying, ZHANG Xiao-ling (178)
- Explanation on *K-I* Sensitivity Curve of Commercial Electric Detonator HAO Jian-chun, YU Jin-liang (181)

Summarization

- Advance on Lead-free Combustion Catalysts for Solid Rocket Propellant
..... SONG Xiu-duo, ZHAO Feng-qi, CHEN Pei (184)
- Progress in Synthesis and Properties of Polynitro Cubanes
..... JI Yue-ping, WANG Bo-zhou, ZHANG Zhi-zhong, LU Qian, ZHU Chun-hua (189)