

研究论文

用非等温 DSC 估算一些呋喃环化合物的热爆炸临界温度(英)..... 胡荣祖,高红旭,赵凤起,张海,马海霞,徐抗震 (635)

从恒速升温速率下的 DSC 曲线峰温计算含能材料放热分解反应动力学参数的理论和数值方法(英).....
..... 胡荣祖,高红旭,赵凤起,张海,赵宏安,马海霞,邢晓玲,薛亮 (643)

丁羟推进剂模型体系中键合剂作用机理的分子模拟研究..... 焦东明,杨月诚,强洪夫,武文明 (650)

HMX 晶体形貌预测..... 段晓惠,卫春雪,裴重华,李金山 (655)

RDX 的分形生长探索..... 崔彩萍,黄辉,段晓惠,曾贵玉,马拥军,裴重华 (660)

基于改进 Hashin-Shtrikman 方法预测 PBX 有效弹性模量..... 敬仕明,李明,龙新平 (664)

PBT 与高能氧化剂的相互作用的热分析法研究... 张腊莹,衡淑云,刘子如,张皋,邵颖慧,王琳,赵凤起,谭惠民 (668)

3-氨基-4-偕氨基呋咱合成及反应历程研究..... 王伯周,罗义芬,周彦水,来蔚鹏,刘愆 (674)

1-甲基-4,5-二硝基咪唑合成工艺..... 曹端林,王小军,杨彩云,宋磊,韩豪,周俊峰,常俊芳 (678)

三臂型叠氮含能增塑剂 GAPA 的合成与性能..... 徐若干,姬月萍,丁峰,汪伟,兰英,刘亚静 (681)

CNTs/KNO₃ 纳米粒子制备及表征..... 崔庆忠,焦清介,刘帅 (685)

溶胶-凝胶法制备 RDX/SiO₂ 传爆药薄膜技术研究..... 姜夏冰,梁逸群,张景林,陈建中 (689)

钴(III)配合物[Co(NH₃)₄(N₃)₂]ClO₄ 晶体结构及激光化学感度... 盛涤伦,马凤娥,张裕峰,朱雅红,陈利魁,杨斌 (694)

SCB 传热模型及点火能量验证..... 冯红艳,朱顺官,张琳,李燕,沈瑞琪 (699)

高燃速烟火型做功器件燃烧特性研究..... 刘玲,李国新,蒋新广,劳允亮 (704)

造雾剂燃烧过程研究及其对凝结核生长行为的影响(英)..... 代梦艳,胡碧茹,吴文健 (708)

RDX 为基的 PBX 炸药压制过程损伤形成研究..... 梁华琼,雍炼,唐常良,陈学平,黄文虎 (713)

新型酸性离子液体催化下甲苯的选择性硝化..... 刘丽荣,职慧珍,罗军,吕春绪 (717)

复合反应破片对钢靶侵入的实验研究..... 帅俊峰,蒋建伟,王树有,门建兵,谢长友 (722)

密闭爆发器实验过程中的热散失修正研究..... 赵军,廖昕,王泽山 (726)

多功能含能结构材料研究进展..... 张先锋,赵晓宁 (731)

氧化氯二聚环化:对称氧化呋咱衍生物制备的重要途径..... 李亚南,舒远杰,张志忠 (740)

BAMO 均聚物及共聚物合成研究进展..... 葛震,罗运军,郭凯,吕勇,酒永斌 (745)

研究快报

芳香炔醇的合成及其与 TNT 荧光猝灭研究..... 刘勇,熊鹰,舒远杰,刘学涌,钟发春,张勇,孙毅 (751)

利用离子液体精制 TATB 的研究..... 孟子晖,杨凤敏,李清霞,周智明 (753)

读者·作者·编者

《含能材料》征稿启事(649) 第一届韩国国际高能材料研讨会概况(659) 第四十届 ICT 国际会议简讯(673) 《含能材料》2008 年第 6 期被 EI 收录论文(684) 第十五届欧洲分析化学会议会议(703) 捷克专家 Svatopluk Zeman 来绵讲学(725) 向作者致谢(730) 《含能材料》征订启事(750) 第十三届 IUPAC 高分子、有机化学国际会议会议(752) 向审稿人致谢(·6·)

2009 年(第 17 卷)总目次..... (·1·)

CHINESE JOURNAL OF ENERGETIC MATERIALS

CONTENTS Vol. 17, No. 6, 2009

Estimation of Critical Temperature of Thermal Explosion for Some Furazano-fused Cyclic Compounds Using Non-isothermal DSC	635
..... HU Rong-zu, GAO Hong-xu, ZHAO Feng-qi, ZHANG Hai, MA Hai-xia, XU Kang-zhen	
Theory and Numerical Method of Calculating the Kinetic Parameters of Exothermic Decomposition Reaction of Energetic Materials from Peak Temperature of DSC Curves at Constant Heating Rates	643
..... HU Rong-zu, GAO Hong-xu, ZHAO Feng-qi, ZHANG Hai, ZHAO Hong-an, MA Hai-xia, XING Xiao-ling, XUE Liang	
Molecular Simulation of Mechanism of Bonding Agents in HTPB Solid Propellant Model	650
..... JIAO Dong-ming, YANG Yue-cheng, QIANG Hong-fu, WU Wen-ming	
Prediction of Crystal Morphology of HMX	655
..... DUAN Xiao-hui, WEI Chun-xue, PEI Chong-hua, LI Jin-shan	
Fractal Growth of RDX	660
..... CUI Cai-ping, HUANG Hui, DUAN Xiao-hui, ZENG Gui-yu, MA Yong-jun, PEI Chong-hua	
On Predicting Effective Elastic Modulus of PBX by Modified Hashin-Shtrikman Model	664
..... JING Shi-ming, LI Ming, LONG Xin-ping	
Interactions of PBT with Some High Energy Oxidizers by Thermal Analysis	668
..... ZHANG La-ying, HENG Shu-yun, LIU Zi-ru, ZHANG Gao, SHAO Ying-hui, WANG Lin, ZHAO Feng-qi, TAN Hui-min	
Reaction Mechanism Studies on Synthesis of 3-Amino-4-amidoximinofurazan	674
..... WANG Bo-zhou, LUO Yi-fen, ZHOU Yan-shui, LAI Wei-peng, LIU Qian	
Synthesis of 1-Methyl-4,5-dinitroimidazole	678
..... CAO Duan-lin, WANG Xiao-jun, YANG Cai-yun, SONG Lei, HAN Hao, ZHOU Jun-feng, CHANG Jun-fang	
Synthesis and Properties of Tri-arms Glycidyl Azide Polymer Azide	681
..... XU Ruo-qian, JI Yue-ping, DING Feng, WANG Wei, LAN Ying, LIU Ya-jing	
Preparation and Characterization of Nano-CNTs/ KNO_3 Composites	685
..... CUI Qing-zhong, JIAO Qing-jie, LIU Shuai	
Preparation of RDX/ SiO_2 Booster Membrane by Sol-Gel Method	689
..... JIANG Xia-bing, LIANG Yi-qun, ZHANG Jing-lin, CHEN Jian-shen	
Crystal Structure and Laser Sensitivity of Cobalt(III) Complex $[\text{Co}(\text{NH}_3)_4(\text{N}_3)_2]\text{ClO}_4$	694
..... SHENG Di-lun, MA Feng-e, ZHANG Yu-feng, ZHU Ya-hong, CHEN Li-kui, YANG Bin	
Validation of Energy Transfer and Continuum Heat Transfer Model for the SCB Plasma	699
..... FENG Hong-yan, ZHU Shun-guan, ZHANG Lin, LI Yan, SHEN Rui-qi	
Combustion Characteristic of Thruster with High Burning Rate Pyrotechnics	704
..... LIU Ling, LI Guo-xin, JIANG Xin-guang, LAO Yun-liang	
Combustion Process of Fog Aerosol and Its Influence on Condensation Nucleus Growth Behavior	708
..... DAI Meng-yan, HU Bi-ru, ZHANG Xue-ao, WU Wen-jian	
Pressing Damage of RDX-based Polymer Bonded Explosive	713
..... LIANG Hua-qiong, YONG Lian, TANG Chang-liang, CHEN Xue-ping, HUANG Jiao-hu	
Selective Nitration of Toluene at Presence of New Acidic Ionic Liquids Catalysts	717
..... LIU Li-rong, ZHI Hui-zhen, LUO Jun, LÜ Chun-xu	
Compound Reactive Fragment Penetrating Steel Target	722
..... SHUAI Jun-feng, JIANG Jian-wei, WANG Shu-you, MENG Jian-bing, XIE Chang-you	
Heat Loss Correction in Closed Bomb Tests	726
..... ZHAO Jun, LIAO Xin, WANG Ze-shan	
Review on Multifunctional Energetic Structural Materials	731
..... ZHANG Xian-feng, ZHAO Xiao-ning	
Dimerization Reaction of Cyanide Oxide: Important Route for Synthesis of Furoxan Derivatives	740
..... LI Ya-nan, SHU Yuan-jie, ZHANG Zhi-zhong	
Review on Synthesis of BAMO Homopolymer and Copolymers	745
..... GE Zhen, LUO Yun-jun, GUO Kai, LÜ Yong, JIU Yong-bin	
Synthesis of Aromatic Alkyol and Fluorescence Quenching with TNT	751
..... LIU Yong, XIONG Ying, SHU Yuan-jie, LIU Xue-yong, ZHONG Fa-chun, ZHANG Yong, SUN Yi	
Recrystallization of 1,3,5-Triamino-2,4,6-trinitrobenzene in Ionic Liquids	753
..... MENG Zi-hui, YANG Feng-min, LI Qing-xia, ZHOU Zhi-ming	
Annual Cumulative Contents (Vol. 17, 2009)	(10)