

《含能材料》2001年(第9卷)总目次

第1期

- 六硝基六氮杂异伍兹烷的吸湿性 刘翠玲, 史彦山, 冯泽旺, 赵信歧 (1)
- Stream of Reaction Products behind the Detonation Wave Front Held M (4)
- Mathematic Expression of Kinetic Compensation Effect and Relationship between the Exothermic Decomposition Temperature and Critical Temperature of Thermal Explosion of Eighty-six Energetic Materials HU Rong-zu, YANG De-suo, ZHANG Jiao-qiang (8)
- TATB 基高聚物粘结炸药及其粘结剂的玻璃化温度与 DMA 测量频率关系的研究 宋华杰, 董海山, 郝莹, 李敬明 (10)
- TATB 合成方法研究的进展 王军, 董海山 (14)
- CHNO 炸药爆热的影响因素 苗勤书, 徐更光, 王廷增 (18)
- 叠氮二乙基铝的合成及其热分解 高占先, 冯立春, 张小航, 莫自如 (22)
- 炸药模拟件水射流切割参数的试验研究 张国文, 陈新发 (24)
- X-ray Diffraction Study of Single-base Propellant Ageing Radi Ganev, Ivan Glavchev (28)
- LDA/Kevlar 对 RTV 硅橡胶绝热层材料性能影响 邹德荣, 王宏, 刘桂生, 孙美 (31)
- 硫酸二乙酯酸值对 123 树脂固化的影响研究 罗雪梅, 左玉芬, 黄黎明, 秦蛟 (34)
- 苦味酸晶体及分子结构的研究 杨利, 张同来, 冯长根, 张建国, 郁开北 (37)
- 粘接炸药的室温硫化硅橡胶胶粘剂的研究 廖宏, 马玉珍 (40)
- HNIW 纯度测定方法研究 黄志萍, 曹庆玮, 郭兴玲 (44)

第2期

- 新型起爆药 GTX 的制备工艺与性能研究 张志刚, 张建国, 张同来, 杨永明 (49)
- 氧化剂/可燃物二元体系热分解动力学 王鹏, 金韶华, 松全才, 薛之娟 (53)
- 1,3,3-三硝基氮杂环丁烷与几种材料的相容性 张教强, 胡荣祖 (57)
- Electric Spark Sensitivity of Polynitro Compounds. Part V. A Relationship between Electric Spark and Impact Sensitivities of Energetic Materials Jiří KOČÍ, Vladimír ZEMAN, Svatopluk ZEMAN (60)
- 氮杂环丁烷硝基衍生物的热行为 张教强, 胡荣祖 (66)
- 含 NTO 的 TNT 基熔铸炸药研究 熊贤锋, 王晓峰, 王亲会 (70)
- 苦味酸氨基脲盐的制备与分子结构的研究 杨利, 张同来, 张建国, 邵兵, 冯长根, 郁开北 (73)
- AP/HTPB 底排药柱点火试验研究 潘功配, 李毅, 张炎清 (77)
- 硝酸铵型燃气发生剂研究现状 鲁国林 (80)
- 硼颗粒点火和燃烧研究进展 王宁飞, 关大林, 范红杰 (86)
- 唑类杂环化合物及其配合物的研究概述 张建国, 张同来, 张志刚, 杨利 (90)
- 几种粉状铵梯油炸药配方的分析与评价 陆明, 吕春绪 (94)

第3期

- ADN 的合成研究(II) 张志忠, 王伯周, 朱春华, 石尊常, 贾月梅 (97)
- 钾盐消焰剂与 TMETN 和燃烧催化剂相互作用的实验研究 赵凤起, 陈沛, 李上文, 阴翠梅, 罗阳 (100)
- 由不同取代哌嗪合成 TEX 李战雄, 欧育湘, 陈博仁 (104)
- LAN 系共沉淀起爆药的制备工艺与性能研究 杨永明, 张建国, 张同来, 邵兵 (107)
- 压力对某些含能材料液态热行为的影响 刘艳, 陈沛, 刘子如, 邱刚, 阴翠梅 (111)
- 一定条件下炸药与相关物不相容原因的初步探索 左玉芬, 罗雪梅, 周建华, 王丽彦 (117)
- $\{C_6H_2(NO_2)_3OK\}_n$ 的晶体和分子结构 邵兵, 张同来, 张建国, 杨永明, 杨利, 郁开北 (122)
- BTF 变色机理研究 陈捷, 程克梅, 钱素平, 张孝仪 (126)
- 新型含能催化剂在低特征信号推进剂中的应用研究
..... 刘所恩, 杜宝玉, 张健, 潘葆, 李万辉, 谢桂芳 (130)
- CARS 技术及其在火炸药燃烧诊断中的应用 李春喜, 赵鸣, 赵凤起, 陆殿林, 李上文 (133)
- V 形槽内爆炸抛撒水雾形成过程的数值研究 丁珏, 刘家聪 (136)
- 塑料粘结 TATB 药柱的膨胀规律研究 李玉斌, 周玉琪, 聂福德, 孙杰, 郝莹 (139)
- 硝酸氨基胍的分子结构与晶体结构 张志刚, 张同来, 张建国, 郁开北 (142)

第4期

- 含 CL-20 的 NEPE 固体推进剂能量特性及低特征信号的研究
..... 王中, 谭惠民, 金韶华, 刘云飞, 盛思源 (145)
- 低特征信号推进剂配方组分与特征信号的相关性研究 江会平, 洪晓斌 (150)
- HNS 的细化工艺研究 王平, 秦德新, 聂福德, 陈娅, 辛芳, 梁叶明, 刘春 (153)
- NH_4NO_3 和 NH_4ClO_4 的绝热分解研究 钱新明, 傅智敏, 张文明, 冯长根 (156)
- 颗粒级配技术及其在含能材料中的应用 黄辉 (161)
- Incremental Pressing Technique in Explosive Charge TIAN Li-yan, XU Geng-guang, WANG Ting-zeng (165)
- 提高点火管点火性能的一种方法 任慧, 乔小晶, 焦清介, 张忠心 (168)
- 红外照明剂的组分选择与配方设计 韩秀凤, 杨利, 许又文 (172)
- 掺杂物对药剂激光点火感度和延迟时间的影响 张慧卿, 严楠, 华光 (176)
- $[Mg(H_2O)_6](TNR^-)_2 \cdot 2H_2O$ 的制备与分子结构研究 张建国, 张同来, 杨利, 郁开北 (179)
- B 炸药的改性研究及其进展 黄亨建, 董海山, 张明 (183)
- 2001 年(第9卷)总目次 (187)

ANNUAL CUMULATIVE CONTENTS OF ENERGETIC MATERIALS (Vol. 9. 2001)

No. 1

- Hygroscopicity of Hexanitrohexaazaisowurtzitane (CL-20)
 LIU Cui-ling, SHI Yan-shan, FENG Ze-wang, ZHAO Xin-qi (1)
- Stream of Reaction Products behind the Detonation Wave Front Held M (4)
- Mathematic Expression of Kinetic Compensation Effect and Relationship between the Exothermic
 Decomposition Temperature and Critical Temperature of Thermal Explosion of Eighty-six Energetic
 Materials HU Rong-zu, YANG De-suo, ZHANG Jiao-qiang (8)
- Study of Relationships between Glass Transition Temperatures and Test Frequencies on TATB - based
 PBXs and Their Binders Using DMA SONG Hua-jie, DONG Hai-shan, HAO Ying (10)
- Progress in Studies on the Synthesis Methods of TATB WANG Jun, DONG Hai-shan (14)
- On the Factors Influencing on the Detonation Heat of CHNO Explosives
 MIAO Qin-shu, XU Geng-guang, WANG Ting-zeng (18)
- Synthesis of Diethyl Aluminum Azide and Its Pyrolysis
 GAO Zhan-xian, FENG Li-chun, ZHANG Xiao-hang, MO Zi-ru (22)
- Research on Waterjet Cutting Parametrization Test for Simulated Material of Explosive
 ZHANG Guo-wen, CHEN Xin-fa (24)
- X-ray Diffraction Study of Single-base Propellant Ageing Radi Ganev, Ivan Glavchev (28)
- Effect of LDA/Kevlar on Low Signal Insulation Based RTV Silicone Rubber
 ZOU De-rong, WANG Hong, LIU Gui-sheng, SUN Mei (31)
- Influence of Acid Value in Diethyl Sulfate on the Curing Process of 123 Resin
 LUO Xue-mei, ZUO Yu-fen, HUANG Li-ming, QIN Jiao (34)
- Study on Crystal and Molecular Structure of Picric Acid
 YANG Li, ZHANG Tong-lai, FENG Chang-gen, ZHANG Jian-guo, YU Kai-bei (37)
- Study on Room-temperature-vulcanization Silicon Rubber Adhesive to Explosives
 LIAO Hong, MA Yu-zhen (40)
- Study on Determination Method of HNIW Purity HUANG Zhi-ping, CAO Qing-wei, GUO Xing-ling (44)

No. 2

- Preparation Technique and Explosive Properties of $[Zn(CHZ)_3](ClO_4)_2$
 ZHANG Zhi-gang, ZHANG Jian-guo, ZHANG Tong-lai, YANG Yong-ming (49)
- Thermal Decomposition and Reaction of Binary Mixtures of Fuels and Oxidants
 WANG Peng, JIN Shao-hua, SONG Quan-cai, XUE Zhi-juan (53)
- A Study on Compatibility of 1,3,3-trinitroazetidene with some Materials
 ZHANG Jiao-qiang, HU Rong-zu (57)
- Electric Spark Sensitivity of Polynitro Compounds . Part V . A Relationship between Electric Spark

- and Impact Sensitivities of Energetic Materials Jiří KOČÍ, Vladimír ZEMAN, Svatopluk ZEMAN (60)
- Thermal Behaviour of Nitrosubstituted Azetidines ZHANG Jiao-qiang, HU Rong-zu (66)
- A Research on the TNT-based Castable Explosives Containing NTO
..... XIONG Xian-feng, WANG Xiao-feng, WANG Qin-hui (70)
- Preparation and Molecular Structure of Semicarbazide Picric
..... YANG Li, ZHANG Tong-lai, ZHANG Jian-guo, SHAO Bing, FENG Chang-gen, YU Kai-bei (73)
- Ignition Test for Base Bleed Grain Consisting AP/HTPB PAN Gong-pei, LI Yi, ZHANG Yan-qing (77)
- Present Situation of Ammonium Nitrate Gas Generator Propellant LU Guo-lin (80)
- Development of Boron Particles Ignition and Combustion WANG Ning-fei, GUAN Da-lin, FAN Hong-jie (86)
- A Review on Azotic Heterocyclic Compounds and Their Coordination Compounds
..... ZHANG Jian-guo, ZHANG Tong-lai, ZHANG Zhi-gang, YANG Li (90)
- Formulation Assessment of some Powdery AN-TNT-FO Explosives LU Ming, Lü Chun-xu (94)

No. 3

- Studies on Synthesis of ADN (II)
..... ZHANG Zhi-zhong, WANG Bo-zhou, ZHU Chun-hua, SHI Zun-chang, JIA Yue-mei (97)
- Interaction of Potassium Salt Flame Suppressors with TMETN and Burning Catalysts During
Decomposition ZHAO Feng-qi, CHEN Pei, LI Shang-wen, YIN Cui-mei, LUO Yang (100)
- Synthesis of TEX from Six Kinds of Different Substituted Piperazine
..... LI Zhan-xiong, OU Yu-xiang, CHEN Bo-ren (104)
- Preparation Techniques and Explosive Properties of LAN Series Primary Explosives
..... YANG Yong-ming, ZHANG Jian-guo, ZHANG Tong-lai, SHAO Bing (107)
- Influence of Different Pressure on the Thermal Decomposition of Energetic Materials at Liquid State
..... LIU Yan, CHEN Pei, LIU Zi-ru, QIU Gang, YIN Cui-mei (111)
- Research on Incompatibility of Explosives with Relative Materials under the Condition
..... ZUO Yu-fen, LUO Xue-mei, ZHOU Jian-hua, WANG Li-yan (117)
- Crystal Structure and Molecular Structure of $\{C_6H_2(NO_2)_3OK\}_n$
..... SHAO Bing, ZHANG Tong-lai, ZHANG Jian-guo, YANG Yong-ming, YANG Li, YU Kai-bei (122)
- Study on the Photochromic Mechanism of BTF
..... CHEN Jie, CHENG Ke-mei, QIAN Su-ping, ZHANG Xiao-yi (126)
- Applied Studies of New Energetic Catalysts in the Screw Extruded Energetic Propellant with Low
Signature LIU Suo-en, DU Bao-yu, ZHANG Jian, PAN Bao, LI Wan-hui, XIE Gui-fang (130)
- CARS for Diagnostics on Combustion of Propellants
..... LI Chun-xi, ZHAO Ming, ZHAO Feng-qi, LU Dian-lin, LI Shang-wen (133)
- Numerical Study on the Process of V-channel Explosive Dispersal for Forming Water Cloud
..... DING Jue, LIU Jia-cong (136)
- Study on the Growth Rules of PBX-TATB Charges
..... LI Yu-bin, ZHOU Yu-qi, NIE Fu-de, SUN Jie, HAO Ying (139)
- Molecular Structure and Crystal Structure of $[NH_2NHC(NH_2)_2]NO_3$
..... ZHANG Zhi-gang, ZHANG Tong-lai, ZHANG Jian-guo, YU Kai-bei (142)

No. 4

- Energetic Characteristics of NEPE Low Signature Propellant Containing Hexanitrohexaazaisowurtzitane (CL-20) as Oxidizer WANG Shen, TAN Hui-min, JIN Shao-hua, LIU Yun-fei, SHENG Si-yuan (145)
- Relationship between Formulation Constituents and Signature Characteristics of Low Signature Characteristic Propellant JIANG Hui-ping, HONG Xiao-bin (150)
- Study on the Preparation Technology of Ultrafine HNS WANG Ping, QIN De-xin, NIE Fu-de, CHEN Ya, XIN Fang, LIANG Ye-ming, LIU Chun (153)
- Study on the Thermal Decomposition of Ammonium Nitrate and Ammonium Perchlorate by Accelerating Rate Calorimeter QIAN Xin-ming, FU Zhi-min, ZHANG Wen-ming, FENG Chang-gen (156)
- Particle Grade Technique and Application on Energetic Materials HUANG Hui (161)
- Incremental Pressing Technique in Explosive Charge TIAN Li-yan, XU Geng-guang, WANG Ting-zeng (165)
- One Way of Improving Ignition Performance of Ignition Tube REN Hui, QIAO Xiao-jing, JIAO Qing-jie, ZHANG Zhong-xin (168)
- Composition Selection and Formula Design of Infrared Illuminant HAN Xiu-feng, YANG Li, XU You-wen (172)
- Effects of Dopants on the Diode Laser Ignition Sensitivity and Delay Times of the Ignition Composition ZHANG Hui-qing, YAN Nan, HUA Guang (176)
- Study on Preparation and Molecular Structure of $[Mg(H_2O)_6](TNR^-)_2 \cdot 2H_2O$ ZHANG Jian-guo, ZHANG Tong-lai, YANG Li, YU Kai-bei (179)
- Problems and Developments in Composition B Modification Research HUANG Heng-jian, DONG Hai-shan, ZHANG Ming (183)
- Annual contents (Vol. 9, 2001) (187)

向审稿者致谢

2001年,承蒙各行专家帮助审阅了大量稿件,使本刊顺利出版发行,为此,本编辑部特向下列各位审稿者(以汉语拼音为序)致谢!

| | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 安忠维 | 白春华 | 蔡瑞娇 | 陈博仁 | 陈天云 | 董海山 | 韩敦信 | 花平环 | 胡荣祖 | 黄风雷 |
| 黄奕刚 | 黄毅民 | 惠君明 | 李凤生 | 李前树 | 李上文 | 李疏芬 | 李伟民 | 廖 昕 | 刘光烈 |
| 刘志建 | 刘子如 | 罗顺火 | 罗运军 | 倪永全 | 欧育湘 | 潘功配 | 邱甬生 | 沈瑞琪 | 松全才 |
| 孙承伟 | 孙业斌 | 唐汉祥 | 汤业鹏 | 田 勇 | 王伯周 | 王海福 | 王廷增 | 魏运洋 | 吴文辉 |
| 邬志兴 | 奚美珏 | 肖鹤鸣 | 徐 康 | 姚国伟 | 姚 朴 | 尹孟超 | 余从焯 | 余永刚 | 于永忠 |
| 恽寿榕 | 赵宝昌 | 赵凤起 | 赵信歧 | 张景林 | 张 仁 | 郑远洋 | | | |

《含能材料》编辑部

二〇〇一年十二月