

EI 收录期刊
中文核心期刊

ISSN 1006-9941
CODEN HACAFQ

含能材料

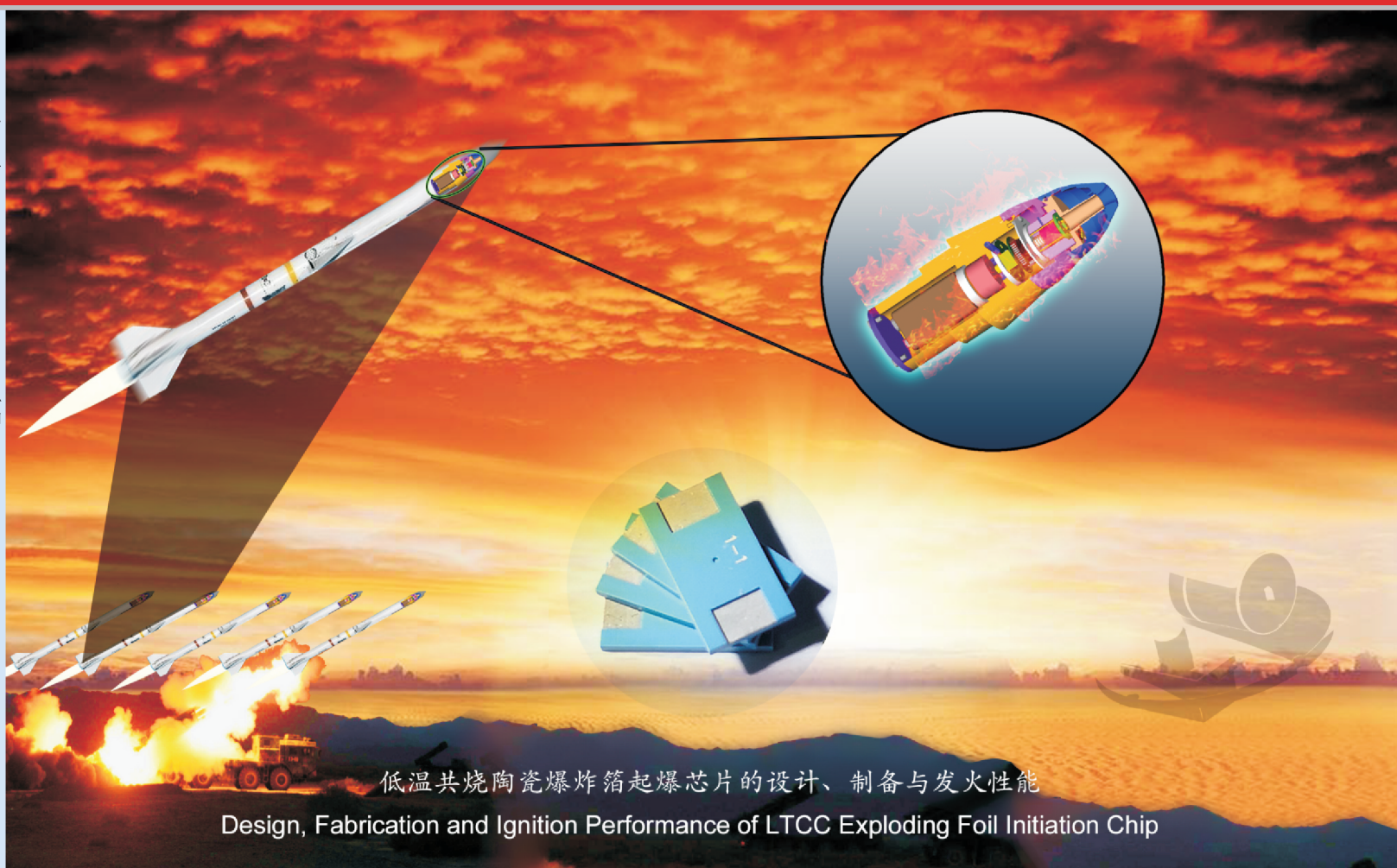
CHINESE JOURNAL OF ENERGETIC MATERIALS

含能材料

二〇一九年

第二十七卷

第六期



低温共烧陶瓷爆炸箔起爆芯片的设计、制备与发火性能

Design, Fabrication and Ignition Performance of LTCC Exploding Foil Initiation Chip

2019
第27卷 6

HANNENG CAILIAO

万方数据

* 中文核心期刊
* 中国科技核心期刊
* RCCSE 中国核心学术期刊
* 中国科学引文数据库来源期刊
* EI、SCOPUS、CA、CSA、AJ、JST 收入期刊

目次

第 27 卷 第 6 期 2019 年 6 月 25 日

观点

含能材料增材制造技术——新兴的精密高效安全制备技术 彭翠枝 (445)

特邀 微型电爆炸技术 专栏

微型电爆炸技术

低温共烧陶瓷爆炸箔起爆芯片的设计、制备与发火性能 ... 张秋, 陈楷, 朱朋, 徐聪, 覃新, 杨智, 沈瑞琪 (448)

Ni/Cu 复合多层膜电爆炸等离子体发射光谱特性及飞片推动性能 杨爽, 孙秀娟, 王万军, 付秋菠 (456)

基于二极管电爆炸的单触发开关导通机理 徐聪, 胡博, 朱朋, 叶迎华, 沈瑞琪 (465)

亚微秒内金丝电爆炸的激光探针测试及三维动力学仿真 ... 王万军, 孙秀娟, 张雷, 雷凡, 郭菲, 杨爽, 付秋菠 (473)

桥丝电爆炸过程中的电磁脉冲效应 赵丽君, 易涛, 朱宏娜, 付秋菠, 孙秀娟, 杨爽, 郑万国, 江少恩 (481)

推进与发射

部分切口杆状发射药内弹道性能的数值模拟 赵煜华, 杨伟涛, 严文荣, 张江波, 肖霞 (487)

发射药混同过程静电性能测试及风险评估 卫水爱, 孙磊, 李文海, 李春光, 白春华 (493)

高触变性高密度凝胶碳氢燃料的制备及性能 鄂秀天凤, 潘伦, 张香文, 邹吉军 (501)

基于响应面中心复合设计的固体推进剂摩擦感度理论 邵明旺, 王建, 乔晓林, 李兴刚, 赵慧 (509)

制备液相色谱-离子色谱法测定二缩三乙二醇二硝酸酯(TEGDN)中阴离子杂质
..... 陈爽, 康莹, 胡银, 宁艳利, 索志荣 (516)

爆炸与毁伤

动能侵彻体冲击带壳炸药装药的爆燃失效 冯顺山, 赵宇峰, 边江楠, 周彤 (521)

多 EFP 定向聚焦战斗部设计与优化 司凯, 李向东, 周兰伟, 陈兴 (528)

装填系数对破甲杀伤复合战斗部威力影响的数值模拟 李兴隆, 陈科全, 路中华, 高大元, 吕胜涛, 寇剑锋, 杨沙 (535)

读者·作者·编者

新书介绍——《含硼富燃料推进剂:特性、燃烧及应用技术》(492) 专辑导言与客座编审简介(前插一)

《含能材料》2019 年专刊专栏预告(前插二)

期刊基本参数: CN 51-1489/TK * 1993 * m * A4 * 96 * zh+en * P * ¥20.00 * 700 * 14 * 2019-06

Prospective

- 445 PENG Cui-zhi Additive Manufacturing for Energetic Materials: Emerging Precision Loading & Efficient and Safe Preparation Technology

Invited Column on Electrical Explosion

Electrical Explosion

- 448 ZHANG Qiu, CHEN Kai, ZHU Peng, XU Cong, QIN Xin, YANG Zhi, SHEN Rui-qi Design, Fabrication and Ignition Performance of LTCC Exploding Foil Initiation Chip
- 456 YANG Shuang, SUN Xiu-juan, WANG Wan-jun, FU Qiu-bo Plasma Spectrograph and Driving Flyer Properties of Electrically Exploded Ni/Cu Multilayers
- 465 XU Cong, HU Bo, ZHU Peng, YE Ying-hua, SHEN Rui-qi Conduction Mechanism of the Single Shot Switch Based on Electro-explosion of Diode
- 473 WANG Wan-jun, SUN Xiu-juan, ZHANG Lei, LEI Fan, GUO Fei, YANG Shuang, FU Qiu-bo Sub-microsecond Interferometry Diagnostic and 3D Dynamic Simulation of the Bridgewire Electrical Explosion
- 481 ZHAO Li-jun, YI Tao, ZHU Hong-na, FU Qiu-bo, SUN Xiu-juan, YANG Shuang, ZHENG Wan-guo, JIANG Shao-en Electromagnetic Pulse Effect During the Bridge Wire Electric Explosion

Propulsion and Projection

- 487 ZHAO Yu-hua, YANG Wei-tao, YAN Wen-rong, ZHANG Jiang-bo, XIAO Xia Numerical Simulation of the Interior Ballistic Performance for Partially Cut Multi-perforated Stick Propellants
- 493 WEI Shui-ai, SUN Lei, LI Wen-hai, LI Chun-guang, BAI Chun-hua Electrostatic Performance Test and Risk Assessment of Propellant Mixing Process
- 501 E Xiu-tian-feng, PAN Lun, ZHANG Xiang-wen, ZOU Ji-jun Synthesis and Performance of High-density and High-thixotropy Gelled Hydrocarbon Fuels
- 509 SHAO Ming-wang, WANG Jian, QIAO Xiao-lin, LI Xing-gang, ZHAO Hui Theory of Friction Sensitivity of Solid Propellants Based on Center Composite Design of Response Surface
- 516 CHEN Shuang, KANG Ying, HU Yin, NING Yan-li, SUO Zhi-rong Determination of Anionic Impurities in Triethylene Glycol Dinitrate (TEGDN) by Preparative Liquid Chromatography-Ion Chromatography Method

Explosion and Damage

- 521 FENG Shun-shan, ZHAO Yu-feng, BIAN Jiang-nan, ZHOU Tong Deflagration Failure of Explosive Cased Charge Under Impact of Kinetic Energy Penetrators
- 528 SI Kai, LI Xiang-dong, ZHOU Lan-wei, CHEN Xing Design and Optimization of Directional and Focusing Multi-EFP Warhead
- 535 LIXing-long, CHEN Ke-quan, LU Zhong-hua, GAO Da-yuan, LÜ Sheng-tao, KOU Jian-feng, YANG Sha Numerical Simulation of the Influence of Charge-shell Mass Ratio on the Damage Power of Anti-armor and Anti-personnel Composite Warhead