

* 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 收录期刊

特邀 新型含能材料的合成与性能 专刊 (特邀*)

- ◆ 含能快递 (587)

◆ 观点

- 高能致爆基团构筑新型高能量密度材料策略* 王伯周 (588)

◆ 制备与性能

- 五唑非金属盐的氢键作用规律* 王鹏程, 姜振明, 周新利, 林秋汉, 陆 明 (591)

- 高氮含量金属掺杂氮原子簇的液氮冷却-激光溅射生成研究*

..... 丁可伟, 李陶琦, 许洪光, 卜建华, 杨 斌, 郑卫军, 葛忠学 (597)

- 4-叠氮基-2,2,6,6-四硝基金刚烷的合成与热稳定性* 蔡荣斌, 张 健, 罗 军 (603)

- 一种双配体耐热含能金属有机骨架材料的合成及性能* 史庆嵘, 苏 辉, 李亚琼, 丁 宁, 赵超峰, 李生华, 庞思平 (609)

- 红色烟火着色剂 MOF[$\text{Sr}_2(\text{DTDA})(\text{H}_2\text{O})_6$]_n 的制备与性能* 周金阳, 何 涣, 王霆威, 朱顺官, 张 祺 (618)

- 5,6-二氨基呋咱并[3,4-b]吡嗪-4,7-二氧化物(DAFPO)的合成、结构及性能*

..... 刘 宁, 段秉蕙, 卢先明, 张 倩, 王伯周 (625)

- 3,3'-双(2-硝胺基-1,3,4-噁二唑-4-基)-5,5'-联-1,2,4-噁二唑及其含能离子盐的合成及性能*

..... 廖思丞, 邓沐聪, 宋思维, 靳云鹤, 刘天林, 张庆华 (632)

- 5,5'-二氨基-4,4'-二硝胺基-3,3'-联-1,2,4-三唑三氨基胍盐(TAGAT)的晶体结构及爆轰性能*

..... 薛钰冰, 程广斌, 杨红伟 (638)

- 6-甲基-2-叠氮基-5-硝基-嘧啶-4(3H)-酮(AMNP)的合成、晶体结构及性能* 胡 勇, 杨俊清, 张建国 (644)

- 含能增塑剂双(3-叠氮基-2,2-双(叠氮甲基)丙基)丙二酸酯的合成与性能*

..... 赵宝东, 金国良, 刘亚静, 高福磊, 陈 斌, 汪营磊, 葛忠学 (650)

* 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 收录期刊

目 次 第 28 卷 第 7 期 2020 年 7 月 25 日

多硝基 3,3,7,7-四(三氟甲基)-2,4,6,8-四氮杂双环[3.3.0]辛烷的合成与性能*	杨童童, 刘洋, 侯晓文, 孟子晖, 徐志斌 (657)
4-氨基-1,2,3-三氮唑[4,5-e]呋咱并[3,4-b]吡嗪-6-氧化物的合成及性能	李亚南, 胡建建, 陈涛, 王彬, 常佩, 王伯周 (664)
噁二唑硝胺化合物在水中稳定性及其水解机制*	张祯琦, 马卿, 卢欢唱, 廖龙渝, 范桂娟 (670)
1,2-双(5,5'-二硝胺基-1,3,4-噁二唑-2-)乙烷的合成与性能*	马英杰, 卢艳华, 曹一林, 何金选 (678)
新型含能基团偕叠氮硝基熔铸炸药载体 AzDNAZ 的合成及性能(英)*	贾思媛, 张海昊, 张家荣, 刘愆, 栾杰玉, 毕福强, 王伯周 (685)
2,4,6-三硝基-3,5-二氟苯酚热分解动力学*	杨雷, 刘玉存, 荆苏明 (690)

◆ 综述

联吡唑含能化合物合成及性能研究进展*	罗义芬, 肖川, 毕福强, 李祥志, 王子俊, 王伯周 (695)
硼基含能化合物制备方法研究进展	王国栋, 刘玉存, 荆苏明, 刘国庆, 韩瑞连 (707)

◆ 读者·作者·编者

专刊导言(前插一) 客座编审简介(前插二)

CHINESE JOURNAL OF ENERGETIC MATERIALS

Monthly

CONTENTS

Vol. 28 , No. 7 , 25 July , 2020

Invited Issue on Synthesis and Properties of Novel Energetic Materials

587

Energetic Express

Prospective

588

WANG Bo-zhou

Synthetic Strategies for New High Energy Density Materials Based on High Energetic Explosophoric Groups*

Preparation and Property

591

WANG Peng-cheng, JIANG Zhen-ming, ZHOU Xin-li, LIN Qiu-han, LU Ming

Effect of Hydrogen Bonding in Pentazole Nonmetallic Salts*

597

DING Ke-wei, LI Tao-qi, XU Hong-guang, BU Jian-hua, YANG bin, ZHENG Wei-jun, GE Zhong-xue

Generation of Metal-doped Nitrogen Clusters with High Nitrogen Content by Liquid Nitrogen Cooling-laser Ablation*

603

CAI Rong-bin, ZHANG Jian, LUO Jun

Synthesis and Thermal Stability of 4-Azido-2,2,6,6-tetranitroadamantane*

609

SHI Qing-rong, SU Hui, LI Ya-qiong, DING Ning, ZHAO Chao-feng, LI Sheng-hua, PANG Si-ping

Synthesis and Properties of a Heat-resistant Biligand Energetic Metal-organic Framework Material*

618

ZHOU Jin-yang, HE Liu, WANG Ting-wei, ZHU Shun-guan, ZHANG Qi

Preparation and Properties of Red Pyrotechnic Colorant MOF $[\text{Sr}_2(\text{DTDA})(\text{H}_2\text{O})_6]_n$ *

625

LIU Ning, DUAN Bing-hui, LU Xian-ming, ZHANG Qian, WANG Bo-zhou

Synthesis, Structure and Properties of 5,6-Diaminofurazano[3,4-b]pyrazine-4,7-dioxide*

632

LIAO Si-cheng, DENG Mu-cong, SONG Si-wei, JIN Yun-he, LIU Tian-lin, ZHANG Qing-hua

Synthesis and Properties of 3,3'-Bis(2-nitroamino-1,3,4-oxadiazol-4-yl)-5,5'-linked-1,2,4-oxadiazole and Its Energetic Salts*

638

XUE Yu-bing, CHENG Guang-bin, YANG Hong-wei

Crystal Structure and Detonation Performance of 5,5'-Diamino-4,4'-dinitroamino-3,3'-bi-1,2,4-triazole Triaminoguanidinium Salt (TAGAT)*

644

HU Yong, YANG Jun-qing, ZHANG Jian-guo

Synthesis, Crystal Structure and Properties of 2-Azido-6-methyl-5-nitro-pyrimidin-4(3H)-one(AMNP)*

650

ZHAO Bao-dong, JIN Guo-liang, LIU Ya-jing, GAO Fu-lei, CHEN Bin, WANG Ying-lei, GE Zhong-xue

Synthesis and Properties of Energetic Plasticizer Bis (3-azido-2,2-bis(azidomethyl) propyl) malonate*

CHINESE JOURNAL OF ENERGETIC MATERIALS

Monthly

CONTENTS Vol. 28 , No. 7 , 25 July , 2020

- | | | |
|-----|---|---|
| 657 | YANG Tong-tong, LIU Yang, HOU Xiao-wen,
MENG Zi-hui, XU Zhi-bin | Synthesis and Properties of Polynitro 3,3,7,7-Tetra(trifluoromethyl)-
2,4,6,8-tetraazabicyclo [3.3.0]octane* |
| 664 | LI Ya-nan, HU Jian-jian, CHEN Tao, WANG Bin,
CHANG Pei, WANG Bo-zhou | Synthesis and Properties of 4-Amino-1,2,3-triazolo[4,5-e]furazano
[3,4-b]pyrazine 6-oxide |
| 670 | ZHANG Zhen-qi, MA Qing, LU Huan-chang,
LIAO Long-yu, FAN Gui-juan | Stability of Oxadiazole Nitramide Compounds in Water and Its
Hydrolysis Mechanism* |
| 678 | MA Ying-jie, LU Yan-hua, CAO Yi-lin, HE Jin-xuan | Synthesis and Properties of 1,2-Bis(5,5'-dinitramino-1,3,4-oxadia-
zol-2-)ethane* |
| 685 | JIA Si-yuan, ZHANG Hai-hao, ZHANG Jia-rong,
LIU Qian, LUAN Jie-yu, BI Fu-qiang, WANG Bo-zhou | A Melt-cast Explosive 3-Azido-1,3-dinitroazetidine (AzDNAZ) with
Gem-azidonitro of Novel Energetic Group: Synthesis and Performance* |
| 690 | YANG Lei, LIU Yu-cun, JING Su-ming | Kinetics of Thermal Decomposition of 2,4,6-Trinitro-3,5-Difluoropheno† |

Reviews

- | | | |
|-----|---|--|
| 695 | LUO Yi-fen, XIAO Chuan, BI Fu-qiang, LI Xiang-zhi,
WANG Zi-jun, WANG Bo-zhou | Review on Energetic Compounds Based on Bipyrazoles: Synthesis and
Property* |
| 707 | WANG Guo-dong, LIU Yu-cun, JING Su-ming,
LIU Guo-qing, HAN Rui-lian | Review on Preparation of Boron-based Energetic Compounds |