

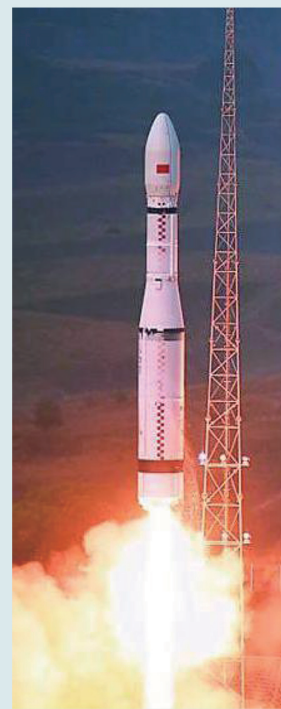
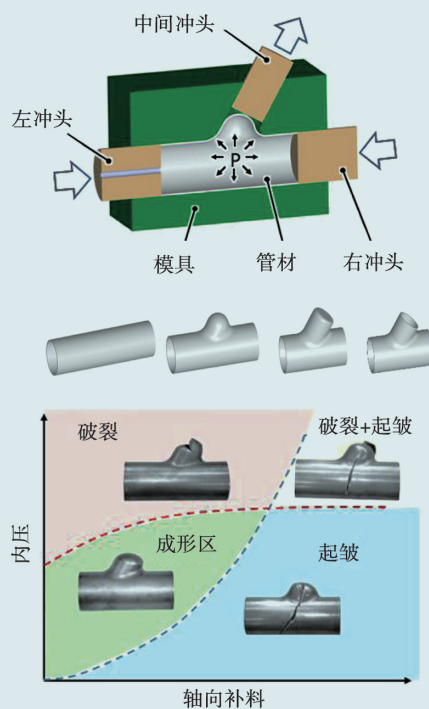


ISSN 1005-0299
CODEN CKAOEY

材料科学与工程

MATERIALS SCIENCE AND TECHNOLOGY

第25卷 第4期 Vol.25 No.4



(P11)

CAILIAO KEXUE
YU GONGYI

中国材料研究学会 (C-MRS) 主办
哈尔滨工业大学 (HIT)

2017.4



万方数据

材料科学与工艺

第 25 卷 第 4 期 2017 年 8 月

目 次

- 电镀 Zn-Ni 合金研究进展与应用现状
..... 安茂忠,冯忠宝,任丽丽,张锦秋,杨培霞(1)
- 薄壁 Y 型三通管内高压成形起皱与开裂分析
..... 彭俊阳,罗德高,滕步刚,刘 钢(11)
- 多孔聚丙烯酸钠树脂吸湿动力学与热力学研究
..... 钟 辉,黄红军,万红敬,王晓梅(17)
- 异种高熵合金 CuCoCrFeNi 和 AlCoCrFeNi 的激光焊接头组织和性能研究
..... 吴小盼,张伟强,付华萌,蓝国民(25)
- 聚吡咯/聚酯纤维复合材料吸波性能的探讨
..... 刘元军,刘国熠,赵晓明(31)
- 鸡毛角蛋白海绵垫的制备及对丙酮的吸附性能
..... 张慧敏,唐亚丽,卢立新,王 军,丘晓琳(38)
- 石油沥青对煤焦油沥青焦结构和电性能的影响
..... 邢国政,王富孟,张晓华,靳利娥,解小玲,曹 青(44)
- 移动加热器法晶体生长工艺的研究进展
..... 高 笑,刘俊成,翟慎秋(50)
- 非均相悬浮法制备多孔羟基磷灰石微球
..... 万方数据..... 王 萍,李国昌(57)

基于 CT 图像的铝电解阴极炭块组分识别研究

..... 刘庆生,曾少军,卢小能,宋翰林(63)

基于梯度降温的叠层制备热残余应力

..... 舒小平,王荣亮(71)

Ni 包覆 Al_2O_3 粉体的 RCVD 法制备及机理研究

..... 葛梦妮,李亚辉,周华思,郭珈旭,张建峰(78)

硼硅酸凝胶包覆层对铜粉抗氧化性和导电性的影响

..... 王 翔,屈银虎,成小乐,尚润琪(84)

超细钨铜复合粉末注射成型药型罩研发及测试

..... 吴焕龙,彭科普,向 旭,王 威,宋久鹏(91)

MATERIALS SCIENCE AND TECHNOLOGY

Vol.25 No.4 Aug.2017

CONTENTS

- Research progress and application status of electrodeposited Zn-Ni alloy coatings
..... AN Maozhong, FENG Zhongbao, REN Lili, ZHANG Jinqiu, YANG Peixia(1)
- Analysis on wrinkling and cracking initiation in hydroforming thin-walled Y-shaped tubes
..... PENG Junyang, LUO Degao, TENG Bugang, LIU Gang(11)
- Study on moisture absorption kinetics and thermodynamics of porous sodium polyacrylate resin
..... ZHONG Hui, HUANG Hongjun, WAN Hongjing, WANG Xiaomei(17)
- Study on microstructure and properties of laser welded joint of dissimilar high entropy alloy CuCoCrFeNi and AlCoCrFeNi WU Xiaopan, ZHANG Weiqiang, FU Huameng, LAN Guomin(25)
- The discussion on the microwave absorbing properties of the polypyrrole/polyester fiber composite material
..... LIU Yuanjun, LIU Guoyi, ZHAO Xiaoming(31)
- Preparation of feather insoluble keratin cushion and its adsorption performance for acetone
..... ZHANG Huimin, TANG Yali, LU Lixin, WANG Jun, QIU Xiaolin(38)
- Effect of petroleum pitch on the structure and electrical properties of coal tar pitch coke
..... XING Guozheng, WANG Fumeng, ZHANG Xiaohua, JIN Lie, XIE Xiaoling, CAO Qing(44)
- Review on research progress of crystal growth technique with travelling heater
..... GAO Xiao, LIU Juncheng, ZHAI Shenqiu(50)
- Preparation of porous hydroxyapatite microspheres by heterogeneous suspension method
..... 万方数据..... WANG Ping, LI Guochang(57)

Study on CT image based composition identification of aluminum electrolytic cathode blocks

..... *LIU Qingsheng, ZENG Shaojun, LU Xiaoneng, SONG Hanlin*(63)

Thermal residual stresses in laminated object manufacturing due to gradient cooling

..... *SHU Xiaoping, WANG Rongliang*(71)

Preparation and mechanism of Ni nanoparticles on Al₂O₃ by rotating chemical vapor deposition

..... *GE Mengni, LI Yahui, ZHOU Huasi, GUO Jiaxu, ZHANG Jianfeng*(78)

Effects of boron-silicate gel coating on the anti-oxidation and electrical conductivity of copper powders

..... *WANG Xiang, QU Yinhu, CHENG Xiaole, SHANG Runqi*(84)

Development and performance test of tungsten-copper shaped charge liners by metal injection moulding of ultrafine composite powder

..... *WU Huanlong, PENG Kepu, XIANG Xu, WANG Wei, SONG Jiupeng*(91)