

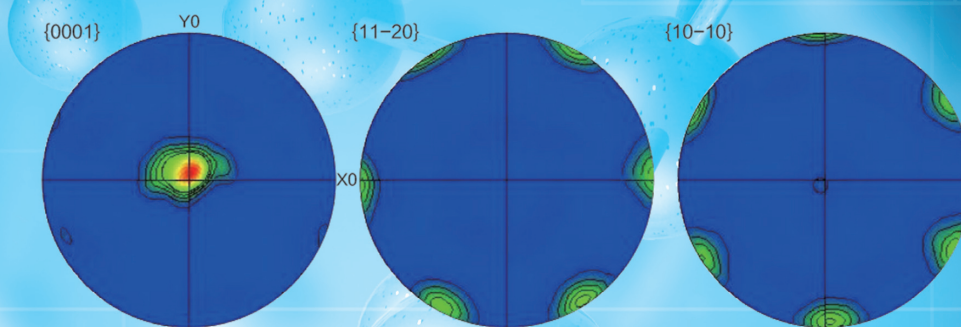


ISSN 1005-0299
CODEN CKAOEY

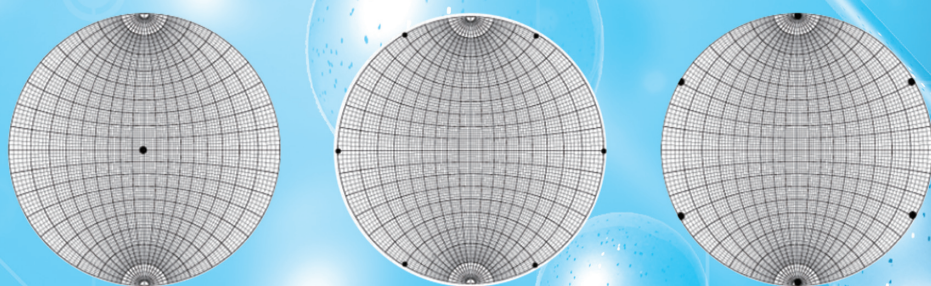
材料科学与工程

MATERIALS SCIENCE AND TECHNOLOGY

第28卷 第1期 Vol.28 No.1



Pole Figures	
[1.cpr]	
Ti-Hex [6/mm]	
Complete data set	
59391 data points	
Equal Area projection	
Upper hemispheres	
Half width: 10°	
Cluster size: 5°	
Exp. densities [mud]	
Min=0.01, Max=25.68	
2	5
4	10
6	15
8	20
10	



P31



中国材料研究学会 (C-MRS) 主办
哈尔滨工业大学 (HIT)

2020.1

材料科学与工艺

第 28 卷 第 1 期 2020 年 2 月

目 次

- 高温氧化及热震对 $\text{SiC}/\text{ZrB}_2 - \text{SiC}/\text{SiC}$ 涂层炭/炭复合材料力学行为的影响
..... 姚西媛,冯广辉,李 博 (1)
- 烧结 Cr15 高铬铸铁组织与性能的研究
..... 李忠涛,肖平安,顾景洪,肖璐琼,石管华(7)
- 工业纯钛金属织构标准极图的计算及分析
..... 陈亮维,刘 状,虞 澜,胡 劲,易健宏(17)
- 高耐候钢 Q350EWR1 耐蚀性能研究
..... 高秀华,程玉君,孙 超,闫中鹤,吴红艳,张晓磊,杜林秀,胡德勇(24)
- 喷涂距离对 Fe 基非晶涂层孔隙影响的研究
..... 何新宝,吴念初,张锁德,杨红旺(31)
- 铜/钢爆炸焊接头界面组织及力学性能研究
..... 李玉龙,杨 泓,刘冠鹏,付艳恕(39)
- 钛屑再生制备 Al - Ti - B 细化剂及其晶粒细化行为的研究
..... 刘怡乐,胡茂良,吉泽升,许红雨,王 晔(46)
- 基于声发射技术的单丝复合材料界面性能研究
..... 隋晓东,吴凯文,李 焯,李 珂,肇 研(53)
- 万方数据

储能缝焊工艺对 304 不锈钢接头性能的影响
..... 易润华, 邓黎鹏(60)

界面电聚合聚吡咯/碳纳米管复合膜及电容性能
..... 李 闽, 刘 敏(66)

搅拌摩擦加工对 Al - Si - Fe 合金组织和性能的影响
..... 陈 涛, 李 青, 龚 航, 陈胜迁, 陈 立(74)

化学镀法制备镍系非晶态合金的研究及应用进展
..... 宋爽爽, 王亚明, 蒋丽红, 郑燕娥, 杨 晨, 陈廷辉(81)

碳对镍基高温合金 AM3 热腐蚀性能的影响
..... 刘蓓蕾, 余竹焕, 王盼航(91)

MATERIALS SCIENCE AND TECHNOLOGY

Vol. 28 No. 1 Feb. 2020

CONTENTS

- Effect of high temperature oxidation and thermal shock on mechanical behavior of SiC/ZrB₂ – SiC/SiC coated C/C composites *YAO Xiyuan, FENG Guanghui, LI Bo*(1)
- Study on microstructure and mechanical properties of sintered Cr15 high chromium cast iron *LI Zhongtao, XIAO Ping'an, GU Jinghong, XIAO Luqiong, SHI Guanhua*(7)
- Calculation and analysis of standard pole figure for metal texture in industrial pure titanium *CHEN Liangwei, LIU Zhuang, YU Lan, HU Jin, YI Jianhong*(17)
- Study on anti-corrosion properties of extra-weathering steel Q350EWR1 *GAO Xiuhua, CHENG Yujun, SUN Chao, YAN Zhonghe, WU Hongyan, ZHANG Xiaolei, DU Linxiu, HU Deyong*(24)
- Spraying distance effect on the porosity of Fe-based amorphous coatings *HE Xinbao, WU Nianchu, ZHANG Suode, YANG Hongwang*(31)
- Microstructure and mechanical properties of explosive welded joint of copper/steel *LI Yulong, YANG Hong, LIU Guanpeng, FU Yanshu*(39)
- Preparation of Al – Ti – B refiner by titanium chips regenerating and its grain refinement behavior *LIU Yile, HU Maoliang, JI Zesheng, XU Hongyu, WANG Ye*(46)
- Study on interfacial properties of single fiber composites by acoustic emission *SUI Xiaodong, WU Kaiwen, LI Ye, LI Ke, ZHAO Yan*(53)
- 万方数据

Influence of condenser-discharge seam-welding process on the properties of 304 stainless steel joint

..... *YI Runhua, DENG Lipeng* (60)

Interfacial electropolymerization of free-standing PPY/FCNTs film and the capacitive performance

..... *LI Min, LIU Min*(66)

Effect of friction stir processing on microstructure and properties of Al – Si – Fe alloy

..... *CHEN Tao, LI Qing, GONG Hang, CHEN Shengqian, CHEN Li*(74)

Progress in electroless plating preparation and applications of Nickel-based amorphous alloys

..... *SONG Shuangshuang, WANG Yaming, JIANG Lihong, ZHENG Yan'e, YANG Chen, CHEN Tinghui*(81)

Effect of carbon on the hot corrosion of Ni-based superalloy AM3

..... *LIU Beilei, YU Zhuhuan, WANG Panhang*(91)