

目次

ARTICLE

- 热腐蚀对GH4169高温合金 δ 相析出和拉伸性能的影响
.....宋肖肖,周律,李柯等 (3436)
- 基于元胞自动机的TA15板材累积叠轧微观组织预测
.....韩栋,赵永庆,曾卫东等 (3445)
- 挤压态AZ31镁合金的拉压不对称性及微观组织
.....苏辉,楚志兵,薛春等 (3453)
- 相同速度比搅拌摩擦加工对Al-Mg-Si合金搅拌区微观组织演变,力学性能和腐蚀行为的影响
.....孙志勇,刘奋军,陈海燕 (3461)
- 喷丸预处理对Ti6Al4V合金低温等离子体氮化的影响
.....刘珍,于首明,刘道新等 (3469)
- K417G高温合金中Mn的存在形式和分布及Mn含量对高温持久性能的影响
.....杨亚倩,邢炜伟,陈伟亮等 (3476)
- Er元素对定向凝固Al-Zn-Mg-Cu-Zr合金微观组织和共晶相形貌的影响
.....袁帅,贾丽娜,张虎 (3484)
- 非晶TiO₂纳米管形貌对其作为超级电容器电化学性能的影响
.....宋致远,李线线,庄昌万等 (3494)
- 不同孔隙率规则多孔钛的变形失效特征
.....任会兰,申海艇,宁建国 (3503)
- 冷轧对纯镍N6组织和力学性能的影响
.....贾智,孙璇,姬金金等 (3511)
- 典型Cu-Ni-P合金体系物相提取合成多孔结构Ni-P颗粒
.....左敏,李永丽,夏文丽等 (3519)
- 表面涂层对用于骨组织工程的多孔镁支架的影响
.....林涛,靳浏平,李文媛等 (3526)
- 热浸镀锡铜磷钎料的性能
.....董博文,钟素娟,裴夤峯等 (3531)
- 层错能和温度对不同Co含量的镍基高温合金蠕变性能的影响
.....田成刚,陶稀鹏,徐玲等 (3537)
- 金包银复合键合丝的组织演变及变形行为
.....康菲菲,裴洪营,周文艳等 (3542)
- 利用选区激光熔化技术制备梯度结构的Ti-6Al-4V合金
.....刘世超,雷鹏飞,刘敏等 (3549)

REVIEW

- 高温镍基合金电渣重熔过程中的Al、Ti成分控制
.....巨建涛,朱智洪,杨康帅等 (3561)
- 超声表面滚压技术制备梯度纳米结构材料

.....陈道明,刘涇源,陈德华等 (3576)

CONTENTS

ARTICLE

- Influence of Hot Corrosion on Precipitation of δ Phase and Tensile Properties of GH4169 Superalloy
.....Song Xiaoxiao,Zhou Lv,Li Ke et al 3427
- Cellular Automata Based Microstructure Prediction in Accumulative Roll-Bonding of TA15 Sheets
.....Han Dong,Zhao Yongqing,Zeng Weidong et al 3437
- Tension-Compression Asymmetry and Microstructure of Extruded AZ31 Magnesium Alloy
.....Su Hui,Chu Zhibing,Xue Chun et al 3446
- Influence of Friction Stir Processing with the Same Speed Ratio on Microstructure Evolution, Mechanical Properties and Corrosion Performances of Stirred Zone in Al-Mg-Si Alloy
.....Sun Zhiyong,Liu Fenjun,Chen Haiyan 3454
- Effect of Shot Peening Pretreatment on Low Temperature Plasma Nitriding of Ti-6Al-4V Alloy
.....Liu Zhen,Yu Shouming,Liu Daoxin et al 3462
- Existence Form and Distribution of Mn and the Effect of Mn Content on High-Temperature Stress Rupture Properties of K417G Superalloy
.....Yang Yaqian,Xing Weiwei,Chen Weiliang et al 3470
- Effects of Er on the Microstructure and Eutectic Phase Morphology of Directionally Solidified Al-Zn-Mg-Cu-Zr Alloys
.....Yuan Shuai,Jia Lina,Zhang Hu 3477
- Effect of Morphology of Amorphous TiO_2 Nanotube on the Electrochemical Performance as Supercapacitors
.....Song Zhiyuan,Li Xianrong,Zhuang Changwan et al 3485
- Deformation Failure of Regular Porous Titanium with Different Porosities
.....Ren Huilan,Shen Haiting,Ning Jianguo 3495
- Effect of Cold Rolling on the Microstructure and Mechanical Properties of Pure Nickel N6
.....Jia Zhi,Sun Xuan, Ji Jinjin et al 3504
- Novel Synthesis of Multistage Porous Ni-P Particles Through Cu-Ni-P Alloys
.....Zuo Min,Li Yongli,Xia Wenli et al 3512
- Effect of Surface Coating on Porous Mg Scaffolds for Bone Engineering
.....Lin Tao,Jin Liuping,Li Wenyuan et al 3520
- Properties of Cu-P Brazing Filler Metal After Hot-dip Tinning
.....Dong Bowen,Zhong Sujuan,Pei Yinyin et al 3527
- Effects of Stacking Fault Energy and Temperature on Creep Performance of Ni-based Alloy with Different Co Contents
.....Tian Chenggang,Tao Xipeng,Xu Ling et al 3532
- Microstructure Evolution and Deformation Behavior of Gold Cladding Silver Composite Bonding Wire
.....Kang Feifei,Pei Hongying,Zhou Wenyan et al 3538
- Additive Manufactured Ti-6Al-4V Alloy with Graded Micro-structure by Selective Laser Melting
.....Liu Shichao,Lei Pengfei,Liu Min et al 3543

REVIEW

- Control of Al and Ti Contents During Electroslog Remelting of High-Temperature Ni-Based Alloys

.....Ju Jiantao,Zhu Zhihong,Yang Kangshuai et al 3550
Gradient Nanostructured Materials Induced by Ultrasonic Surface Rolling Process
.....Chen Daoming,Liu Jingyuan,Chen Dehua et al 3562