

目 次

综合论述

铁矿烧结过程能耗数学模型的研究进展

..... 王海东, 余海钊, 范晓慧, 李海亮, 景涛, 郭慧 1
连铸保护渣中氟化物作用及影响分析 ...赵俊学, 赵忠宇, 尚南, 卢亮, 王泽, 李小明 8

原料与炼铁

适用于高炉冶炼不锈钢母液的含铬炉料制备朱德庆, 杨聪聪, 潘建, 郭正启 16
并罐式无钟高炉布料过程偏析优化措施徐文轩, 程树森, 牛群, 董志宝, 陈艳波 24

炼钢

稀土对含铜锡铁素体不锈钢中非金属夹杂物的影响

.....李阳, 杜鹏飞, 姜周华, 姚聪林, 秦国清, 杨光 32
热处理过程固态不锈钢中夹杂物的转变陈为本, 任英, 徐海坤, 王文博, 张立峰 38

压力加工

316L/EH40 不锈钢复合板变形行为及初始层厚比设计金贺荣, 戴超, 段昌新, 王志勇 46
基于热连轧实测数据的模型钢族层别优化李维刚, 徐文胜, 马威, 刘翱 54

钢铁材料

超声振动影响低碳钢热压缩过程的分析和试验贺庆强, 朱寒, 耿春丽, 柴万里, 刘建国 61
铈对 2.9%Si-0.8%Al 无取向硅钢再结晶组织和织构的影响

.....李娜, 代威, 王永强, 李凯轮, 项利, 仇圣桃 67

回火工艺对 900 MPa 级热轧卷板组织与性能的影响刘旭辉, 曾斌, 梁亮, 李昭东 74

440 MPa 级新型高强度烘烤硬化钢的组织与性能惠亚军, 潘辉, 肖宝亮, 吴科敏, 李晓林, 张大伟 79

高铬铁素体不锈钢 446 盘条组织和性能林仁敢, 徐惠松 85

装备技术

基于大型铁矿石熔滴检测设备的综合炉料性能

.....邸航, 何志军, 阎丽娟, 仇爽, 湛文龙, 张军红 90

技术交流

钢铁流程煤基能量高效转换与钢-电联产模式李洪福, 温燕明 95

信息

..... (7)

征稿及征订启事

..... (103)(104)

C O N T E N T S**Technical Reviews**

- Progress in research on mathematical model of energy consumption of iron ore sintering process WANG Hai-dong, YU Hai-zhao, FAN Xiao-hui, LI Hai-liang, JING Tao, GUO Hui 1

- Analysis on influence of fluoride in mold powder of continuous casting ZHAO Jun-xue, ZHAO Zhong-yu, SHANG Nan, LU Liang, WANG Ze, LI Xiao-ming 8

Raw Material and Ironmaking

- Preparation of chromium-bearing agglomerates for stainless steel master alloy production in blast furnace ZHU De-qing, YANG Cong-cong, PAN Jian, GUO Zheng-qi 16

- Optimization measures of segregation during charging process of bell-less top blast furnace with two parallel hoppers XU Wen-xuan, CHENG Shu-sen, NIU Qun, DONG Zhi-bao, CHEN Yan-bo 24

Steelmaking

- Effect of rare earth on nonmetallic inclusions in copper-tin-bearing ferritic stainless steel LI Yang, DU Peng-fei, JIANG Zhou-hua, YAO Cong-lin, QIN Guo-qing, YANG Guang 32

- Evolution of inclusions in solid stainless steels during heat treatment process CHEN Wei-ben, REN Ying, XU Hai-kun, WANG Wen-bo, ZHANG Li-feng 38

Metal Forming

- Deformation behavior and initial thickness ratio design of 316L/EH40 stainless steel clad plate JIN He-rong, DAI Chao, DUAN Chang-xin, WANG Zhi-yong 46

- Optimization for steel grade family of model based on measured data during hot continuous rolling LI Wei-gang, XU Wen-sheng, MA Wei, LIU Ao 54

Materials

- Simulation and test of ultrasonic vibration effect on low carbon steel hot compression HE Qing-qiang, ZHU Han, GENG Chun-li, CHAI Wan-li, LIU Jian-guo 61

- Effect of Ce on recrystallization microstructure and texture in a 2.9%Si-0.8%Al non-oriented silicon steel LI Na, DAI Wei, WANG Yong-qiang, LI Kai-lun, XIANG Li, QIU Sheng-tao 67

- Effect of tempering process on microstructure and mechanical properties of 900 MPa grade hot rolled steel LIU Xu-hui, ZENG Bin, LIANG Liang, LI Zhao-dong 74

- Microstructure and properties of a new 440 MPa grade high strength bake hardening steel HUI Ya-jun, PAN Hui, XIAO Bao-liang, WU Ke-min, LI Xiao-lin, ZHANG Da-wei 79

- Microstructure and property for 446 wire rod of high chromium ferrite stainless steel LIN Ren-gan, XU Hui-song 85

Equipment Technology

- Metallurgical property of mixed burden based on a large scale iron ore droplet testing equipment DI Hang, HE Zhi-jun, YAN Li-juan, QIU Shuang, ZHAN Wen-long, ZHANG Jun-hong 90

- Technology Exchange
- Efficient conversion of coal-based energy in iron and steel process and steel-electric cogeneration mode LI Hong-fu, WEN Yan-ming 95

- Information (7)

- Contribution Wanted and Subscription Announcement (103)(104)